Safe Drinking Water State Revolving Fund

September 2009 Final SRF Project Priority List

SRF Category **A**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	249	SAN JERARDO COOP WS	2701904	2	Well exceeds nitrate MCL.	Construct new well or consolidate with another system-Under court order	$490,000

Total Projects for 'Category' = (1 Project) **Total Costs for Category:** ***$490,000*** **Total Population served in Category:** ***249***

SRF Category **B**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	P	185	SPRING VALLEY SCHOOL	400065	1	There have been several bacteriological water quality failures for this water system. Raw water bacteriological samples from the existing wells indicates the presence of coliform bacteria.	Installation of 1.9 mile pipeline to connect to Del Oro Lime Saddle WD.	$1,250,000
40	C	3653	TUD - Columbia Water System	5510013	5	THE SHAWS FLAT AREA HAS NUMEROUS FAILING SEPTIC TANK SYSTEMS THAT HAVE CAUSED MICROBIAL CONTAMINATION OF THE LOCAL WELLS.	CONSTRUCT A WATER MAIN EXTENSION FROM THE COLUMBIA SYSTEM INTO THE SHAWS FLAT COMMUNITY.	$574,000
40	C	71000	COMPTON-CITY, WATER DEPT.	1910026	8	Project to correct water outage due to limited water delivery capacity and capability of the Midland Park Water Trust (MPWT) water system (community of approx. 110 service connections) within the City service area	Rehabilitate domestic well, replace existing emergency connection between the City of Compton and the MPWT, purchase of water rights and acquisition of land, destroy two inactive wells.	$4,000,000
30	C	5458	ACWA Sutter Creek	310003	7	Water served for domestic use is untreated surface water from an extremely impaired source that receives a waste water discharge.	Pipe treated water from Amador Water Agency's Mokelumne River source to serve these water consumers. JVID does not want to be a PWS, so AWA has applied for funds to bring acceptable water to the area and become the purveyor in Buena Vista.	$2,000,000
25	C	25	FEATHER RIDGE ESTATES WATER CO	400081	1	The water system has failed bacteriological water quality standards in the past due to fecal coliform bacteria contamination. Raw water samples from the existing wells indicate the presence of total coliform bacteria.	Drill two new wells and replace existing 20,000 gallon storage tank.	$10,000
25	C	120	PONDEROSA SKY RANCH WATER SYSTEM	5200562	1	Water sources that have repeatedly failed the monthly total coliform standards.	Replace present (old) 30,000 gallon tank with 100,000 gallon tank. Install new well with pump for standby. Install hydroneumatic system on pressure tank. Install chlorination system.	$4,200,000
20	C	100	Artois Community S.D.	1100203	1	This water system has had numerous bacteriological water quality failures. Raw water samples from the existing well have shown the presence of coliform bacteria.	Drill a new well.	$30,000
20	C	210	WOODRIDGE MUTUAL WATER CO	4500235	2	Microbial contamination of a well resulting in repeated coliform MCL violation.	Drill a replacement well.	$60,000
20	C	324	R.R. Lewis Small WC	4600017	1	Distribution system pressure and flow problems. Replace old concrete storage tanks.	Replace 2300 feet of 2" and 3" pipe with 4" pipe. Install new storage reservoirs. Purchase emergency chlorination equipment.	$230,100
20	C	356	Princeton Water District	600013	4	Water system has two wells that have persistent bacteriological problems. The water system has failed bacteriological water quality standards several times.	Drill two new wells for the community water system.	$100,000
15	C	28	Whispering Pines Apartments	2210921	1	The water system has repeated source water bacteriological problems.	RECONSTRUCT THE WELL, UPGRADE THE DISTRIBUTION SYSTEM, CONSTRUCT ADDITIONAL STORAGE, AND INSTALL A CHLORINATION SYSTEM.	$185,000

SRF Category **B**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	P	60	INDIAN SPRINGS SCHOOL	4500162	1	Microbial contamination of the water source resulting in repeated coliform bacterial MCL violation.	Install a batch system for chlorination and disinfection with point of use filter to meet bacterial MCL. Replace failing distribution system.	$10,000
15	P	250	Plum Valley School	5200533	1	New school; water source vulnerable to contamination	Drill new well	$100,000
15	P	294	LAKESIDE UNION SCHOOL	1600013	1	On-going bacteriological problems from the well.	Drill a new well	$300,000
10	C	50	LINCOLN CHAN-HOME RANCH	3400137	1	Well has coliform contamination with no treatment.	Install new pipes, install new well, and a storage tank.	$100,000
10	C	5458	ACWA Sutter Creek	310003	1	Uses raw, untreated water	PROVIDE POTABLE WATER TO BOSSE PREVATILI AREA. OTHER = DESIGN AND CONSTRUCTION	$3,000,000
10	P	125	OAK RUN ELEMENTARY SCHOOL	4500190	1	Microbial contamination of the water supply resulting in repeated coliform bacteria MCL violation.	Drill a new well.	$100,000
5	P	1400	DURHAM UNIFIED SCHOOL DISTRICT	400066	1	Currently, a chlorinator disinfects the water supplied to the school. The system has failed bacteriological standards several times, and raw water samples indicate the presence of total coliform bacteria.	Replacement of well, pressure tank and delivery lines - some additional delivery lines.	$278,000
0	C	41	FOREST KNOLLS MUTUAL WATER CO	400078	1	According to inspection reports, the cracks in the existing storage tank are the cause of several bacteriological water quality failures of the water system.	Installation of two new 30,000 gallon steel tanks above ground or repair existing tank.	$60,000
0	C	100	SLEEPY VALLEY WATER CO., INC.	1900903	2	Bacteriological MCL failures, wells subject to flooding which results in water outages and distribution and storage coliform problems.	Rebab wells, upgrade to minimize flooding, replace reservoir and distribution system.	$684,000
0	C	270	FARMINGTON WATER COMPANY	3900505	1	MCL violation due to chronic bacteriological contamination of well and deteriorating distribution system with pressure problems.	Drill 2 new wells, install new distribution system, and storage.	$600,000
0	P	200	Wilson Elementary School	4901136	1	Total coliform bacteria MCL repeatedly exceeded. Well does not meet construction and location standards.	Drill new well and install new pumps, storage tanks and delivery hardware.	$40,000

Total Projects for 'Category' = (22 Projects) **Total Costs for Category:** ***$17,911,100*** **Total Population served in Category:** ***89,707***

SRF Category **C**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
40	C	120	PAUMA VALLEY MUTUAL WATER COMPANY	3700934	1	We have an unfiltered stream that should be filtered; open reservoirs and need to convert to tanks.	Replace open reservoirs with tanks.	$2,600,000
25	C	38	Greenhaven Homeowner'S W.A.	3200195	1	Water system has a well that is under the influence of surface water.	Drill deeper well and increase storage capacity.	$15,000
25	C	41	Kimtu Meadows MWC	1200517	1	Surface water source with cartridge filters that do not fulfill SWTR.	Identify what kind of system would work and implement.	$450,000
25	C	50	SIERRA EAST HOME. ASSOC.	2600622	1	System using well under direct influence of surface water	Drill new deep vertical well	$100,000
25	C	60	Darwin Community Services District	1400098	2	Well under direct influence of surface water	Construct SWTP	$300,000
25	C	85	Riverview Acres Water System	5304501	1	Unfiltered surface water. System also has inadequate chlorine contact time and is under permanent boil water advisory.	Design and install a filter system. Install transmission main to increase chlorine contact time.	$38,000
25	C	150	MILLER S LODGE WS	2700992	1	Unfiltered GWUDI wells	Install filtration and disinfection treatment. 7/04 Updated project: drill new well, install tank, install monitoring	$150,000
25	C	150	Lewiston Valley Water Co., Inc.	5301002	1	Turbidity standard failures. Filter system is not an approved filtration technology.	Construct new filter system. Replace transmission main. Add new storage tank.	$450,000
25	C	155	OLYMPIA MUTUAL WATER COMPANY	4400581	1	ground/spring water exposed to microorganisms and surface contaminants from animals	surface water treatment system, and redevelopment of springs to limit exposure to contamination and optimize supply	$1,105,000
25	C	300	Tahoe Swiss Village Utility	3110042	1	No filters at intake from Lake Tahoe.	Build a filter plant.	$390,000
25	C	300	Tahoe Swiss Village Utility	3110042	2		Build a 300,000 to 500,000 gallon storage tank.	$300,000
25	C	1500	Redway C.S.D.	1210011	3	One of system's sources and associated reservoir are both under the influence of surface water	Abandon source and associated reservoir; Increase the capacity of the existing surface water treatment plant in order to replace lost source capacity; Increase storage to replace lost storage capacity	$2,000,000
25	N	200	Ruth Lake Marina	5305003	1	Well sources under the direct influence of surface water with no filtration.	Relocate well sources above projected maximum flood level. Extend system to incorporate nearby individual residence systems.	$20,000
25	P	275	CAMPS SCOTT & SCUDDER	1900011	1	UNTREATED WELLS UNDER SURFACE WATER INFLUENCE, INTERMITTENT POSITIVE TOTAL COLIFORM RESULTS.	CONNECT OLD SYSTEM TO ADJACENT MUNICIPAL WATER SYSTEM	$210,000
25	P	9900	BUTTE-GLENN COMMUNITY COLLEGE DIST	400070	1	E-coli	New Well	$150,000
20	C	200	Trinity Village Water Co.	5304102	1	Need filtration of Trinity River source and need contact time to comply with CT requirements	Filters for Trinity River source and storage for contact time.	$150,000

SRF Category **C**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	215	Alderpoint County Water	1200501	1	Uses water from infiltration gallery in Eel River with inadequate treatment to meet SWTR.	Design and construct filtration and disinfection facilities to meet SWTR.	$100,000
20	C	5812	Holtville, City of	1310005	2	198 homes north of 9th St. are on raw unfiltered canal water which does not meet coliform standards. See attachment description (attachment 1)	Annexation of service area north of 9th Street.	$3,225,356
20	C	5812	Holtville, City of	1310005	3	108 residences are served by raw unfiltered canal water which does not meet coliform standards. See attachment description (attachment 1)	Annexation of service area south of city.	$2,537,948
15	C	40	Valley Ford Water Association	4900568	1	E. coli and fecal coliform/high nitrate wells	New source or treat existing sources	$450,000
15	C	350	Rovana Village	1400006	1	Refinance well drilled to replace unfiltered surface water supply	Refinance	$571,325
15	N	260	Camp Mendocino	2300839	1	Unfiltered ground water under the direct influence of surface water	Install approved treatment of approved alternative.	$100,000
10	C	129	COASTLANDS MWS (POST CREEK)	2701279	1	Surface supply with no treatment provided.	Install SWT system.	$100,000
10	C	130	ARROYO CENTER WC	2701658	3	Need filtration to comply with the Surface Water Treatment Rule. [Groundwater under the influence of surface water - System obtains water from 2 shallow wells in the Arroyo Seco River bed.]	Add filtration to the system/Install filtration unit	$70,000
10	N	26	FRANK RAINES PARK OHV	5000243	1	INFILTRATION GALLERY SUBJECT TO COLIFORM CONTAMINATION	Install surface water treatment on existing infiltration pits or replace pits with approved wells = design and construction.	$621,505
5	C	70	Harmony Hills Water System	3500503	1	Unfiltered surface water.	Drill new wells.	$200,000
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	7	wells may be under the direct influence of surface water	install a filtration system	$500,000
5	C	729	Trinity Center M.W.C. .	5310003	1	The treatment currently provided by the Company is not an approved filtration technology. Monthly treatment records show no measurable reduction in the turbidity of the water after it passes through the filter.	Install treatment that meets the requirements of the all surface water treatment regulations.	$2,160,000
5	C	112937	El Dorado ID - Main	910001	10		(Sac Hill) Evaluation of need to retain reservoir or replace with pump station; design and construct reservoir if necessary.	$500,000
5	C	112937	El Dorado ID - Main	910001	9		(Thomas Hill) Evaluation of the need to retain reservoir; design and construction of reservoir protection if necessary.	$1,700,000
5	C	112937	El Dorado ID - Main	910001	7	Unfiltered surface water entering uncovered earthen distribution reservoir.	Cover reservoir with a rigid cover and create a bypass.	$600,000
5	N	2	Big Bend Resort Corp	3600376	1	Unfiltered surface water	Construct new SWTP	$300,000

SRF Category **C**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	P	45	Whale Gulch Elementary School	2300847	1	System using unfiltered surface water. School has been placed on a boil water notice.	Develop a spring that will qualify as a groundwater source.	$150,000
0	C	38	ROSARIO PARK WATER SYSTEM	4200579	1	Spring source subject to SWTR compliance and is not filtered.	Install a filtration and disinfection treatment system which complies with the SWTR.	$25,000
0	C	50	Lake Forest Utility Company, Inc.	3110032	1	Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and construction.	$38,556
0	C	50	Tahoe Park Water Co - Skyland/Nielsen	3110049	1		Install filters. Involves design and construction.	$200,000
0	C	50	Lake Forest Utility Company, Inc.	3110032	3		Install filters. Involves design and construction	$1,000,000
0	C	123	CLEAR RIDGE WA	2701898	2	Well is under the influence of surface water	Install surface water filtration system	$655,025
0	C	135	Idylwild Water System	4300520	1	Unfiltered surface water supply	install filtration system	$150,000
0	C	135	SID-Pleasant Hills Ranch	4810025	1	Unfiltered Surface water source.	Install POEs treatment..	$463,000
0	C	150	GARRAPATA WC INC	2701257	2	Well deemed to be GWUDI	Provide treatment and disinfection to comply with SWTR requirements	$300,000
0	C	337	LAS CUMBRES MUTUAL WATER CO	4400631	1	System uses springs for over 50% of water supply. New EPA standards will require treatment of springwater. (Reranked from D to C 4/3/02)	Design/construct appropriate SW treatment system	$612,370
0	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	10	Three connections are located upstream of the surface WTP and are receiving only chlorinated surface water	Construct a 3 to 4 inch water line back from the TP up the canyon to supply the 3 connections that are in violation of SWTR.	$100,000
0	C	750	Tahoe Park Water Company	3110018	1	Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and construction.	$1,000,000
0	C	1134	Forest Lakes MWC	4410016	2	Well 5 deemed to be GWUDI	Install treatment or construct replacement well	$200,000
0	C	1200	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	1	Wells subject to SWTR compliance and are not filtered.nadequate source of supply. Two wells under influence of surface water. Two other wells inadequate to meet system demand.	connect to Central Coast Water Authority (CCWA) 2/3/06.	$1,000,000
0	C	2500	Agate Bay Water Company	3110012	1	No filters at lake intake from Lake Tahoe.	Install filter system or drill well to circumvent surface water requirement.	$450,000
0	C	5383	SOLVANG WATER DEPARTMENT	4210013	1	Sources are subject to SWTR compliance and are not filtered.	Install 1.85 MGD fitlration and disinfection TP to comply with the SWTR.	$1,980,300
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	3	Gallery well subject to SWTR compliance and is not filtered.	Provide fitlration and disinfection treatment which complies with the SWTR or provide additional piping to utilize the well as an agricultural only source.	$2,750,000
0	C	84000	GOLETA WATER DISRICT	4210004	7	Water supply subject to SWTR compliance and is not filtered.	Construct pipeline, booster station, reservoir and surge tank to bring treated water to the Goleta West line.	$4,000,000

SRF Category **C**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	N	25	BIG BEND WATER USERS ASSOCIATION	3100034	1	Surface water sources (springs) are frequently subject to contamination from animal-borne and other transmitted microbial/bacteriological pathogens (fecal coliform, giardia, cryptosporidia, etc.) to the engdangerment of the user public and in violation of	Redevelop and restore the structural integrity of surface water sources (springs) to assure water quality and safety- including installation of treatment sytem(s) and procedures. In lieu of this, locate and develop a substitute groundwater source, install	$400,000
0	N	200	Camp Arbolado	3600530	1	Using unfiltered surface water to meet demand	Construct SWTP and replace mainline in distribution system	$268,525

Total Projects for 'Category' = (52 Projects) **Total Costs for Category:** ***$37,906,910*** **Total Population served in Category:** ***471,186***

SRF Category **D**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
40	C	60	Seawood Estates Mutual Water	1200588	1	Systems serving Seawood Estates and Caltrans rest area use surface water and do not meet SWTR standards.	Consolidate systems and upgrade treatment to meet SWTR.	$196,000
25	C	30	The Anne Sippi Clinic-Riverside Ranch	1503509	1	Obsolete surface water treatment plant that does not comply with the current state and federal requirements	Construct SWTP	$500,000
25	C	70	Westport County Water District	2300730	1	Using unapproved in-line filtration system on surface source. Disinfection system does not meet swtr inactivation requirements. Infiltration gallery effectiveness decreased by lowered stream bed. Raw water pumps failing.	Reconstruct infiltration gallery. Add new contact vessel to plant to change it to direct filtration treatment system. Install new disinfection system to ensure compliance with swtr.	$250,000
25	C	70	VALLEY MOBILE PARK	1300572	1	Surface water treatment plant does not meet SWTR Regulations of treatment technique.	Construct a new surface water treatment plant.	$100,000
25	C	94	Tennant C.S.D.	4700531	2	unapproved filtration technology	install approved technology	$100,000
25	C	178	SWEET BRIAR CAMP	4500237	2	Sytem has problems meeting potable water capacity.	Study/planning/design to 1) Improve slow sand filter capacity, for potable water, or 2) Consolidate with Shasta County Service District No. 3 (Castella)	$100,000
25	C	196	SHASTA CO CSA #23 CRAGVIEW	4500028	2	Existing treatment plant not meeting currently approved filtration technology	Conversion of a raw water pipeline to to a floculator and piping modification at an existing treated water storage tank. Replace existing pressure filter with three new vertical pressure filters.	$820,000
25	C	250	WASHINGTON WATER DISTRICT	2900523	2	Noncompliance with surface water treatment rule due to inadequate chlorine contact time.	Construct detention storage or alternative disinfection system.	$190,000
25	C	300	Elk Creek Community S.D.	1100616	1	Existing surface water treatment plant did not meet CT requirements. Treatment plant had to be run in batch mode during high turbidity events.	Installation of new surface water treatment plant and miscellaneous appurtenances.	$383,525
25	C	310	Donner Summit Public Utility District	2910016	1	System is currently operating with a single filtration and disinfection system with no back-up redundancy.	Install a second filtration and disinfection system.	$50,000
25	C	497	El Dorado ID - Outingdale	910018	1	SWTR violation	consolidate with EID Main system; 5 miles of 10 inch water main	$5,500,000
25	C	1500	Garberville Sanitary District	1210008	6	The existing filtration capacity is insufficient to meet the Surface Water Treatment Regulation; no backup power to infiltration gallery or treatment plant	Install an additional filtration cell or clarifier unit; Purchase/ install generators for the infiltration gallery and WTP; purchase/ install backup intake pump w controls	$500,000
25	C	7290	City of Yreka	4710011	2	Currently using unapproved in-line filtration technology.	Perform demonstration study to determine if in-line filtration is meeting requirements of SWTR and LT1ESWTR and if not, then what improvements are needed.	$5,000,000

SRF Category **D**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	N	25	Bud Fine MWC	5301010	1	Turbidity standard failures. Filter system is not an approved filtration technology. Bolted steel tank is deteriorated and has leaks. Some water mains are deteriorated.	Upgrade filter system, replace storage tank, and replace deteriorated mains.	$225,000
25	N	250	Ruth Lake Recreation Area	5305004	1	Well source is under the direct influence of surface water and has an unapproved filtration technology (cartridge filter). Individual private residences want to be served by the system.	Relocate well source above maximum flood line. Consolidate individual systems.	$25,000
25	P	60	Mattole Triple Junction High School	1206008	1	Turbidity failures 8 months out of the year. This system uses a surface water source. The Mattole river reaches turbidities of 800+ NTU. Lack of analyzers on site makes it difficult to design or plan a solution	Surface water treatment rule compliance.	$100,000
20	C	16	FRCCSD-Old Mill Mutual	3200078	1	Treatment of surface water using unapproved technology.	Replace current surface water source with a well source.	$100,000
20	C	70	Callahan Water District	4700503	1	Unable to meet disinfection performance requirements (CT) due to inadequate contact time. In-line filtration plant occasionally fails turbidity performance standards.	Add storage or replumb to increase contact time for disinfection. Review condition of components of filter plant and repair or replace defective components to ensure proper filtration.	$250,000
20	C	75	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	6	Existing drinking water treatment and distribution pumping facility is not a state of California approved technology for surface water treatment.	Replace as much of the existing system as will be required to comply.	$200,000
20	C	400	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	1	Three open reservoirs are sources of possible contamination.	Install flating polypropyline covers.	$1,000,000
20	C	450	Lewiston Park MWC	5301003	1	System's filtration process is not an approved filtration technology. System is under compliance agreement with DHS to comply with Surface Water Treatment Regulations.	Construct new filtration facilities and/or develop new groundwater sources. Add emergency standby generator capability.	$100,000
20	N	25	FRCCSD-Tobin	3200105	1	Surface water treatment plant is not an approved technology.	Eliminate the use of surface water by drilling a groundwater well.	$200,000
20	N	80	Azalea Glen	1200704	1	Surface water filtration system that cannot meet SWTR turbidity standards.	Install a well and construct a closed system.	$28,250
15	C	180	SHASTA CO CSA # 3 CASTELLA	4500015	1	Filter plant is not an approved filtration technology, and does not meet state requirements for chlorine contact time.	Convert raw water pipeline to a flocculator and construct an approximate 350-foot long 24-inch PVC chlorine contact time pipeline.	$900,000
15	C	400	CHIRIACO SUMMIT WATER DIST.	3301115	1	The present system is antiquated and needs to be updated to meet the state SWTR and federal regulations. We will send additional information and the drawings and information on the new system as soon as we have the finished plan.	The new project will include a 300,000 gallon storage reservoir, plus a new pipe system from the canal to the reservoir which will split water into potable and non potable for use at the Chiriaco site. All new plastic piping will be included as well	$1,514,000
15	C	500	Riviera West Mutual Water Co.	1700568	1	Surface water treatment facility is In-Line system that cannot achieve two log removal of Giardia.	Installation of another treatment process to enable facility to achieve two log Giardia removal.	$500,000

SRF Category **D**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	1000	City of Trinidad	1210018	2	Exceeding filter loading rates; Not meeting turbidity standards; Not meeting CT requirements; Not meeting disinfectant residual requirements; Exceeding DBP MCL's	Install more filter capcity; Install GAC filter; Install more storage capacity; Install a chlorine booster pump station; Replumb system	$500,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	2	Refinance. Filtration Plant did not meet requirements of SWTR (alternative technology ABW Filters).	Upgraded Filter #1 and Filter #2: increased media depth, provided provision filter to waste and continuous turbidity monitoring, installed control panel.	$450,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	3	Refinance. Filtration Plant did not meet requirements of SWTR (alternative technology - ABW Filters)	Constructed new pump station and 4MG reservoir to meet contact time for CT calculations.	$4,000,000
10	C	140	CATHEDRAL OAKS	5800803	1	Antiquated surface water treatment plant.	Upgrade/replace	$250,000
10	C	150	MD#1 HIDDEN LAKE ESTATES	2000544	1	THE EXISTING WATER TREATMENT PLANT DOES NOT HAVE SUFFICIENT CAPACITY TO MEET THE SUMMER DEMANDS OF THE SYSTEM. AS A RESULT, THE STORAGE TANK HAS EMPTIED ON NUMEROUS OCCASIONS.	INSTALL A NEW WATER TREATMENT PLANT (100 GPM CAPACITY), LARGER INTAKE PUMPS, AND ASSOCIATED PIPING AND ELECTRICAL FACILITIES. ALSO INSTALL AN ADDITIONAL 100,000 GALLON STORAGE TANK.	$2,000,000
10	C	250	ALPINE MEADOWS PROPERTY OWNERS ASSO	3100041	1	Insufficient contact time to provide adequate disinfection to SWTR.	Install 6" water line from plant to storage tank; install water meters and replace distribution system. Involves design and construction.	$100,000
10	C	775	Gasquet C.S.D.	800555	9	Surface water treatment deficiency	Build additional filtration, storage, and distribution line capacity.	$486,500
5	C	36	Big River Vista Mutual Water Company	2300596	1	Surface source not meeting SWTR.	Drilled well in 1996.	$28,000
5	C	2000	Christian Valley Park CSD	3110034	1	Filter rate exceeds SWTR criteria.	Install one new filter. Involves design and construction.	$200,000
5	C	18250	Rainbow Municipal WD	3710016	1	Morro reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005.	Add light weight aluminum roof or hypalon cover. NOTE: only 2,000,000 for HYPALON cover.	$13,000,000
5	C	18250	Rainbow Municipal WD	3710016	2	North reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Replace with a 5 MG steel tank, add aluminum roof, add hypalon cover, or convert to raw water impoundment and add microfiltration. NOTE: steel tank/ $3M, micro plant/$4.5M, HYPALON/$0.3M, roof/$1.5M	$4,500,000
5	C	18250	Rainbow Municipal WD	3710016	3	North Side Reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Add aluminum roof, add hypalon cover, or convert to raw water impoundment and add microfiltration. NOTE: micro plant/$8.9M, HYPALON/$0.5M, roof/$3.2M	$8,900,000
5	C	18250	Rainbow Municipal WD	3710016	4	Beck Reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Add hypalon cover, or convert to raw water impoundment and add 10.5 MGD microfiltration. NOTE: micro plant/$13.3M, HYPALON/$2.6M	$15,500,000

SRF Category **D**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	32000	Fallbrook PUD	3710008	1	open distribution reservoir not in compliance with LT2ESWTR	construct a pump station and treatment plant	$75,000,000
5	C	4071873	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	9	Los Angeles Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Reservoir capacity is 3.3 BG; surface area is 176 acres.	Construct earthen dam to divide reservoir and install a floating cover on each half of the reservoir. Construction will include new outlet structures and piping.	$20,000,000
5	C	4071873	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	11	Upper Stone Canyon Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surace Water Treatment Rule. Reservoir capacity is 137 MG; surface area is 14 acres.	Install floating cover to protect finished water in reservoir.	$18,000,000
5	C	4071873	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	10	Elysian Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Reservoir capacity is 55 MG; surface area is 6 acres.	Install floating cover to protect finished water in reservoir.	$10,000,000
0	C	25	Pleasure Cove Resort	2810011	1	inadequate surface water treatment plant, in-line fitration, inadequate disinfection	new surface water treatment plant	$150,000
0	C	50	BRACKEN BRAE COUNTRY CLUB	4400604	1	Installed bag filter ("approved" alternative technology) for treatment of surface water. Water from treatment plant routinely exceeds turbidity standards in winter.	Construct treatment plant. Technology to be determined by outcome of separate study.	$100,000
0	C	60	Sonoma County CSA 41-Freestone	4900549	2	To provide adequate source capacity the system must use ground and surface water sources. The exisiting surface water treatment require upgrade to comply with the SWTR. Iron and maganese treatment for surface and ground water sources.	Drill a new well and use it as primary, sole source. Use spring as standby source.	$227,000
0	C	104	Mecchi Water Company	4300912	3	Need to destroy well. Well is contaminated with nitrate and e. coli.	Drill new well to another area.	$100,000
0	C	108	LOMA MAR MUTUAL	4100512	2	Sediment tank failing, must rebuild to comply with SWTR.	Rebuild sedimentation tank	$45,000
0	C	220	Sonoma County CSA 41-Salmon Creek	4900543	1	Community has inadequate gravity storage capacity resulting in water outages during power or pump failures; NOW swtr violation	Construct elevated storage tank; NOW construct water main to connect to adj public water system	$800,000
0	C	300	Northstar C.S.D.	3110028	2	In-line filtration requires conventional treatment process.	Construct coagulation and sedimentation complete with alarms.	$900,000
0	C	313	Del Oro Water Co.-Stirling Bluffs	410018	1	Existing surface water treatment plant does not conform to the surface water treatment rule-bed loading too high	Expand the existing plant by the addition of filters, pumps and piping.	$500,000
0	C	65000	CASITAS MUNICIPAL WATER DIST	5610024	2	Inadequate backwash facilities.	Construct a 170,000 gallon backwash storage tank and install a VFD pump (1000 gpm) at Avenue No. 1 pump plant.	$300,000

SRF Category **D**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	6	UNDER COMPLIANCE ORDER TO REPLACE THE AUTOMATIC BACKWASH FILTER AND UPGRADE THE PLANT TO MEET SWTR	PILOT STUDY OF FILTRATION METHOD WAS RUN AND MODIFICATIONS ARE NEARLY COMPLETED BASED ON FINDINGS OF THE STUDY	$3,850,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	5	UNDER COMPLIANCE ORDER (VIOLATION OF SWTR) TO CONSTRUCT RESERVOIR 9B FOR CT REQUIREMENT.	CONSTRUCTED A 3.5 MG RESERVOIR	$2,202,000
0	N	25	CAMP LOMA MAR	4100529	1	Filtration system violates SWTR (no redundant filter) and doesn't meet turbidity performance standards.	Add 4500 gallon storage tank, expand sand filter	$50,000

Total Projects for 'Category' = (55 Projects) **Total Costs for Category:** ***$200,970,275*** **Total Population served in Category:** ***12,943,065***

SRF Category **E**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	1792	Tipton Community Services Dist	5410014	3	Single well system had well failure during July 2001. Emergency temproary interconnection to Tipton CSD.	Permanent interconnection to Tipton CSD	$287,800
45	C	68000	EAST VALLEY WD	3610064	2	Adjacent mutual water co. Eastwood Farms has periodic failures and outages	Consolidate Eastwood Farms MWC into EVWD	$985,000
25	C	38	Greenhaven Homeowner'S W.A.	3200195	2	Insufficient source capacity resulting water shortages and low pressure.	Drill second well.	$100,000
25	C	66	OAKRIDGE SUBDIVISION MWC	2701422	1	Insufficient source capacity - service connection moratorium in place.	Consolidation with Aromas Water District.	$1,000,000
25	C	196	SHASTA CO CSA #23 CRAGVIEW	4500028	1	Insufficient water source capacity resulting in water outages when intake failed last winter. Intake was repaired with a bandaid.	Armor slopes and relocate facilities.	$160,000
25	C	250	RAMONA WATER COMPANY	3301529	2	Correct current chronic total coliform bacteria contamination which has resulted in repeated enforcement actions. Wells, storage tanks, & distribution system piping are in very poor condition resulting in low pressure & outages.	Hire consultant to do a master plan for the system and provide a priority list of items for consideration for SRF Construction Funding.	$100,000
25	C	250	LAKESIDE WOODS MUTUAL WATER CO	4500013	1	Insufficient source capacity resulting in water outages, failing mains, and no backup power.	New storage tank, water main repairs and replacement, stand-by generator for power outages and water meters to encourage residents to conserve water to preclude water outages.	$100,000
25	C	250	KYBURZ MUTUAL WATER SYSTEM	900300	1	2004 fire destroyed wastershed and reservoir. Inadequate source of supply.	Increase size of river pump line to treatment plant	$125,000
25	C	750	Loleta C.S.D.	1210023	1	Water supply and quality from existing wells has degraded over time. Insufficient water supply results in shortages every summer. Barium concentrations from main source (Well 1) exceed MCL.	Construct intertie with Humboldt Community Services District.	$100,000
20	C	81	LANGLEY/VALLE PACIFICO WS	2701670	1	Insufficient source water capacity - water hauled in to augment supply.	Install new well and treatment facilities.	$480,000
20	C	280	Greenhorn Creek Services District	3200188	1	Water outages and low pressures.	New well pump in Well 02, 2 replacement PRVs, and 3 new PRVs.	$250,000
20	C	300	Siskiyou Co. Rolling Hills MWC	4700528	1	Steel pipeline from wells to tanks is old and deteriorated. Water demands are high and leakage from pipelines cannot be detected.	Replace old steel pipeline to tanks and install meters at service connections.	$750,000
20	C	1018	Lake County CSA 2 - Spring Valley	1710018	4	System water outages experienced during peak demand periods for two consecutive years.	Upgrade WTP facility to improve water delivery to distribution system.	$1,500,000
20	N	200	NEVADA IRRIGATION DISTRICT/GREENHORN	2900577	1	Extremely low yield from wells	Connect campground to potable system from Loma Rica.	$500,000
20	P	50	Tecopa Francis Elementary School	1400063	1	Repeated water outages. Arsenic and fluoride concentrations in excess of MCL	Install storage tanks, new well, and treatment system	$226,000

SRF Category **E**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	P	800	Loma Prieta JUSD-Loma Prieta School	4300721	1	Current groundwater and surface water supplies are unpredictable in terms of quantity and quality.	Connect to Montevina Pipeline (treated water)distribution system approximately 1 mile away.	$500,000
15	C	30	Spring Crest Water & Power	3301643	1	System has had water outages. System has had numerous coliform failures.The current water storage system is inadequate for providing either operational or fire flow water storage capacity.Distribution system is old and undersized.	A) Need secondary source of water - new well $25k, B) Provide electrical service to wells/tanks for monitoring $5k, C) Replace approx. 200 l.f. of 8" water line $16k, D) Clean out hydrolic wells $5k Design and construct one steel reservoir	$471,000
15	C	30	Spring Crest Water & Power	3301643	2	Old system that is in need of evaluation for system integrity, ability to provide fire flow protection and the ability to provide service for identified future users within the service area,	planning activities to solve water source capacity problems	$100,000
15	C	130	ALPINE VILLAGE	3301491	1	We have a lot of dead end lines that run out of water when the rest of the system has water. Would like to lay pipe to loop the sytem and run electric to other wells and need new pumps. System has had numerous coliform failures.	To lay the needed pipe to loop the system. We have 6 other wells we could use but need pumps and electric to run them.	$350,000
15	C	150	Bodega Water Company	4900850	1	Main well source does not produce sufficient source capacity to meet system demand	Build reservoir to meet demand	$100,000
15	C	415	Forest Park MWC	3600107	1	Insufficient source and storage capacity	Construct new sources and storage facilities	$150,000
15	P	125	MONTGOMERY CREEK SCHOOL	4500170	1	Insufficient water source capacity resulting in water outages.	Improve spring or drill wells to improve source capacity and preclude water outages; (probable bond law project)	$100,000
15	P	200	TECATE VISTA MUTUAL WATER COMPANY	3700953	2	Source, Storage and Delivery capability in insufficient to supply current demands	Install automated chlorination, install adequate storage with appurtenances, and replace distribution pipes where required.	$450,000
10	C	332	Juniper Riviera Co WD	3600222	1	Inadequate source capacity when primary well is out of service	Construct new well	$130,000
10	C	900	Weimar Water Company	3110035	2	Water system failure due to insufficient storage	Construct 750,000 gal water storage tank	$500,000
10	C	1100	Yermo Water Co	3610118	1	Inadequate source, storage and distribution system resulting in bacti failures and outages	Construct new well and reservoir, replace mainline	$1,500,000
10	C	1858	Esparto C.S.D.	5710007	2	Lack of wells, lack of water storage. Pressure problems, fire flow.	Drill wells, construct water tanks.	$950,000
5	C	70	PALOMAR MOUNTAIN MUTUAL WATER CO.	3700933	1	insufficient supply due to inadequate source and delivery capability	Install Well and storage facilities and replace pipes in distribution system	$1,200,000
5	C	76	LITTLE BALDY	1900158	2	DISTRIBUTION SYSTEM CONSISTS OF 10 INCH CONCRETE IRRIGATION PIPE INCAPABLE OF SUSTAINING PRESSURIZED FLOW. FLOWS UNDER GRAVITY AND LOW HEAD CONDITIONS.	EXPOSE OLD LINE, REPLACE WITH NEW 6 INCH PVC SCHEDULE 90 PIPE, AND REFILL TRENCH.	$1,050,000
5	C	90	Lake View Mutual Water Co.	2300606	1	System capacity inadequate. Must purchase approx. 60% of water needs.	Drill well.	$100,000

SRF Category **E**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	150	MD#05 MOUNTAIN RANCHES	2000549	2	This system experiences water outages due to a lack of adequate source capacity.	Construct a new well and storage tank.	$944,000
5	C	500	Sonoma County Water Agency	4910020	6	Capacity of current aqueduct between Petaluma and Cotati is exceeded during summer months. The ability of the aqueduct to reliably delvier drinking water is compromised during this period.	Construction of an additional pipeline, water storage tanks, booster pump, and related facilities between the existing Cotati tanks and the Kastania tanks in southern Petaluma.	$100,000
5	C	2580	North Gualala Water Company	2310007	2	A recent decision by courts has determined several groundwater sources to be taking from surface water, which impacts ability use primary sources.	Investigate and assess source alternatives.	$11,400,000
5	C	17100	Rio Linda/Elverta Community Water Dist	3410018	1	Inadequate water supply.	Construct a 500,000 gallon water storage tank. Involves design and construction.	$7,500,000
0	C	48	TIERRA VERDE MWC	2700775	1	Well failures have resulted in frequent water outages, lasting up to 72 hours at a time. Have implemented temporary repairs - need to have longterm solution.	Construct a new well and storage tank to provide long-term reliability	$75,000
0	C	48	ECHO VALLEY RD WS #05	2701423	1	Water outages due to insufficient water source capacity.	Design and construction of new well.	$100,000
0	C	60	NORTH SHORE ESTATES WS	2702256	1	Water outages and pressure problems. Only one well, and water table appears to be dropping.	Drill new well or equip existing well with new pump	$75,000
0	C	62	Z RANCH MWC	2700731	1	Insufficient source capacity - service connection moratorium in place.	Add one or two new wells.	$100,000
0	C	75	VIERRA MEADOWS MWC	2702003	1	Insufficient source capacity - system has water outages during high demand periods.	Add additional 15,000 gallon storage tank.	$30,000
0	C	126	ASSISI MWC	2700503	1	Insufficient well production.	Rehabiliitate or replace well to provide adequate source capacity.	$20,000
0	C	200	GLEN EDEN SUN CLUB	3301283	1	Insufficient water supply during driest months. Supply is from 3 wells dependant on rainfall in the area. Water restrictions are necessary each year due to declining water table.	Install a 12" pipeline connection to Elsinore Valley MWD.	$1,000,000
0	C	450	PURESOURCE WATER, INC	4400598	1	Lack of adequate source capacity resulting in water outages during periods of peak demand.	Drill and equip a new well, including appurtenances necessary to supply water to the system such as booster pump, pressure tank, and control system.	$100,000
0	C	1134	Forest Lakes MWC	4410016	1	Inadequate source capacity for hard rock well supply, end-of-life for piping, tanks and electrical, need meters	Drill new well, replace aging system, install meters throughout system	$500,000
0	C	1200	Bolinas Community PUD	2110005	3	Watermains on eroding hillsides	Plan, design, and construct alternative route for water line.	$200,000
0	C	1200	Bolinas Community PUD	2110005	2	Seasonal high streamflows result in siltation and closure of facility	Plan, design, and construct an alternative impound structure.	$500,000

SRF Category **E**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	2500	Mt. Hermon Association, Inc.	4410008	1	Well MH1 losing capacity, resulting in water shortages and activation of emergency intertie to Sa nLorenzo Valley WD.	Construct new well	$300,000
0	C	9479	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	1	Demand can exceed source capacity during prolonged drought periods	Construct new well	$300,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	3	OWEN WATER TANK. THE EXISTING TANK IS VERY OLD AND UNDERSIZED. THIS IS A STRATEGIC LOCATION FOR A LARGE RESERVOIR FOR THE SITE IS LARGE ENOUGH TO ERECT A LARGE TANK THAT CAN BENEFIT MOST OF THE TOPANGA CANYON RESIDENTS.	CONSTRUCT A 500,000 GALLON TANK TO IMPROVE SYSTEM RELIABILITY.(See new definition and water outage noted in project 08)(4/	$1,000,000
0	N	25	VENTUCOPA WATER SUPPLY	4200872	3	Well - Low water production, insufficient water supply and high nitrates	Install a new well	$175,000
0	N	25	VENTUCOPA WATER SUPPLY	4200872	1	Low water production and inadequate storage to meet demand.	Construct new well and storage tank; may include meters	$735,000
0	N	30	CAMP VERDUGO OAKS BOY SCOUTS	1900594	1	Limited water delivery capacity and capability of existing source	Drill new well	$100,000
0	P	25	Barton Flats Water System	3601048	1	Frequent water outages resulting from inadequate capacity of existing filtration system that can't run at higher rate to produce water.	Construct a new filtration system to supplement existing treatment plant	$233,040
0	P	55	Montebello SD - Montebello School	4300762	1	Present system fails to provide adequate supply of water to support the campus.	Need to add more capacity with adding another well or more storage. A faster refill ssytem to be considered.	$75,000
0	P	100	LATROBE ELEMENTARY SCHOOL	900410	1	Miller's Hill School system needs additional source capacity to prevent water outages.	Construct additional well and connect to storage tank.	$100,000
0	P	100	LATROBE ELEMENTARY SCHOOL	900410	2	No water storage above ground.	Develop plans to install adequate storage for domestic water.	$100,000

Total Projects for 'Category' = (55 Projects) **Total Costs for Category:** ***$40,076,840*** **Total Population served in Category:** ***144,906***

SRF Category **F**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
40	C	50	AKIN WATER CO.	5401038	1	Ongoing nitrate contamination; with notification	Connect to city of Porterville to provide water meeting nitrate standard	$250,000
40	C	100	MD#43 MIAMI CREEK KNOLLS	2000557	2	The well exceeds the nitrate MCL and provides an inadequate supply of water. Also, the system's storage and distribution facilites are old and deteriorated.	Construct a new well, storage and distribution facilities. This system would also be consolidated with the MD#60-Dillon Estates system.	$1,813,000
40	C	108	BEVERLY-GRAND MUTUAL WATER	5400651	1	Ongoing viol of nitrate w public notification	Excess nitrate - consolid w Porterville	$250,000
40	C	150	RANCHO ESTATES MUTUAL WATER CO.	3700936	1	The company water source exceeds nitrate MCL. Nitrate removal is not practical due to local conditions.	Install a parallel domestic water distribution system for irrigation.	$2,800,000
35	C	16146	Soledad, City of	2710011	1	Nine properties on private well systems--providing drinking water with nitrate concentrations in excess of MCL--need to be consolidated into city's water system.	Replace private wells with connection to municipal water.	$220,000
30	C	60	APPLE AVE WS #03	2701036	1	Well exceeds nitrate MCL - may need to hook up to City water.	Drill deeper well or consolidate with City water system.	$75,000
25	C	28	Arnold Park (O Bannon s MHP)	3500526	1	Nitrate level exceeding 45 mg/L in only supply well	locate new source water or treat existing groundwater for nitrate removal	$100,000
25	C	35	EAST WILSON ROAD WATER COMPANY	1502699	1	Nitrate levels exceed allowable MCL of 45 mg/L. We are at 87 mg/L. Included is a copy of Compliance Order #03-19-010-004	Ion exchange System	$150,000
25	C	37	WHISPERING SANDS MH PARK	3301746	2	Water produced from well exceed nitrate standard.	Connect to adjacent public water system, or drill new well.	$25,000
25	C	106	EAST OROSI C.S.D.	5401003	2	Two wells have been found to occasionally produce water with nitrate concentrations exceeding 45 mg/L MCL.	Drill two new wells.	$5,000,000
25	C	186	MONTEREY PARK TRACT COMMUNITY SERVICE DI	5000389	1	Two community wells exceed nitrate MCL.	Either drill new wells or install nitrate treatment.	$900,000
25	C	200	LIVE OAK SPRINGS WATER COMPANY	3700922	2	repeated total coliform violations	new well and pipes	$100,000
25	C	200	LEMON COVE WATER CO	5400616	1	One well system which has nitrates above the MCL	Drill a new well or connect to system OTHER-Design and Construction	$250,000
25	C	250	FAIRWAYS TRACT MUTUAL	5400663	1	BOTH WELLS OVER NITRATE MCL	install nitrate treatment or connect to city of Porterville	$621,000
25	C	250	EL NIDO MOBILE HOME PARK	2400053	1	Well No. 2 exceeds the nitrate MCL.	Construct a new well or install treatment facilities.	$300,000
25	C	300	TEVISTON C S D	5400641	1	DETERIORATED UNDERSIZED PIPELINE SYSTEM IN UNSEWERED COMMUNITY WITH BREAKAGES THAT CAN CREATE BACKFLOW AT LOW PRESSURE CONDITIONS	REPLACE DETERIORATED AND UNDERSIZED PIPES	$130,000

SRF Category F

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	1720	San Juan Bautista, City of	3510002	1	High nitrates exceeded MCL and TDS in well water.	install filtration plant for surface water supply.	$750,000
25	C	4474	Ivanhoe Public Utility Dist	5410019	2	Nitrate MCL exceeded in Well 1 and Well 5	Construct new well	$680,000
25	C	11185	Lindsay, City of	5410006	4	DBP MCLs are difficult to meet with existing surface water treatment plant. Periodic use of ground water wells helps reduce overall DBP running annual average; wells result in perchlorate violation.	Optimize coagulant dosage at SWPT, and install chloramination at SWTP and at each wellhead. Bench-scale testing designed to determine optimum coagulant dosing; correct perchlorate violation	$575,000
20	C	87	River Island Service Terr #2 [Del Oro Water Co.]	5402048	1	System's wells violate the Nitrate MCL.	Locate, Drill, outfit and install new wells.	$75,000
20	C	110	SEVENTH STANDARD MUTUAL	1500373	1	1,2 - D1 CHLOROPROPANE ABOVE MCL IN BOTH SYSTEM WELLS AND NITRATE IN WELL#2	UNDETERMINED UNTIL STUDY IS DONE. OTHER - STUDY, DESIGN AND CONSTRUCTION	$1,692,462
20	C	150	Farmers Labor Exchange	4300943	1	Source exceeds nitrate MCL	Connect with City to receive water that complies with standards	$150,000
20	C	200	SPRINGFIELD MWC	2700771	1	Well exceeds nitrate MCL.	We need funds for evaluation, design, and repairs.	$450,000
20	C	220	SAN JOAQUIN ESTATES MUTUAL	1500575	1	Excessive Nitrate Levels in the system well	Equipment repair and replacement or drill a new well depending upon investigation or laying a new water line less than a mile to east Niles CSD line	$350,000
20	C	350	WATERTEK - GRANDVIEW GARDENS	5400666	1	EXCEEDING NITRATE MCL	DRILL A NEW WELL. or connect to City of Porterville	$262,500
20	C	975	River Island Service Terr #1 [Del Oro Water Co.]	5400665	2	System's sources violate Nitrate MCL.	Locate, drill, outfit and install new wells.	$200,000
20	C	51467	Porterville, City of	5410010	12	The City's water system is needed to supply water to seven different privately owned public water systems located around the periphery of the City limits. These systems have nitrates that exceed the MCL.	The City needs to construct three new wells and construct hookups to each system with a master meter and a backflow prevention device.	$2,100,000
15	C	100	SOULTS MUTUAL WATER CO.	5400805	2	BACTERIOLOGICAL & NO3 > MCL	DEEPEN WELL, RUN WATER CONNECTIONS THROUGH FRONT YARDS. OTHER - DESIGN AND CONSTRUCTION	$100,000
15	C	700	LAKE MORENA OAK SHORE MW CO.	3700923	1	Nitrate MCL violations.	put in treatment	$150,000
15	P	540	FAIRMONT SCHOOL	1000112	1	WELLS PRODUCE WATER THAT EXCEEDS THE NITRATE MCL.	CONSTRUCT A NITRATE REMOVAL TREATMENT SYSTEM.	$158,200
10	C	67	MORO COJO MWA	2700656	3	Water system has 3 wells. 2 are used for domestic (production is ? And unknown). The remaining 3 wells exceed the state MCL for nitrates and are used for irrigation only.	Construct a new well, possibly in a different location.	$100,000
10	C	16629	Greenfield, City of	2710008	1	[Insufficient number of homes to form special assessment district.] Nitrate levels in certain private drinking water systems are too high.	Install a water main to this property to hook up residences to City water.	$300,000

SRF Category **F**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	54060	City of Woodland	5710006	1	Wells 17 & 20 have high nitrate concentrations that require continuous monitoring	Install a SCADA system and nitrate analyzers with system shutoff controlers	$1,300,000
10	N	29	OAK PARK WS	2700999	2	Fluctuating levels of nitrate in wells. Nitrate exceeds MCL most of the time and overall trend of nitrate concentration is increasing.	Drill and equip a new well or else install nitrate removal treatment.	$100,000
10	N	30	AILEEN OLSON LABOR CAMP	5700546	1	Nitrate exceeds MCL in water supplied to users.	Deepen well. Involves design and construction.	$105,000
5	C	438	VEGA RD WS #01	2700787	2	Main well collapsed. Backup well is supplying system and supplies water containing nitrate in excess of MCL.	Drill and equip a new well.	$225,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	17	Well F35A is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	$3,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	14	Well F17C is contaminated with perchlorate above the AL	Install ion exchange treatment technology to remove perchlorate	$1,750,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	15	Well F18A is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	$1,750,000
0	C	30	Foothill Mutual Water	4300630	2	Source exceeds nitrate MCL	Construct new deep well to locate water that complies with state standards	$425,000
0	C	39	CALERA CANYON HEIGHTS HOA	2700523	1	Ongoing Total Coliform Rule violation, chronic coliform problems.	Install new tank	$125,000
0	C	24160	Hollister, City of	3510001	12	A well produces water with nitrate content exceeding the MCL. The capacity and location of well are integral to City's ability to meet consumption requirements and provide adequate pressure and to meet fire-flow demand.	Construct membrane filtration plant to treat water from a surface source. Blend treated surface water with well water to reduce nitrate concentration in water delivered to distribution system.	$6,500,000
0	C	48418	RIALTO-CITY	3610038	2	5 wells contaminated with perchlorate exceeding the AL/MCL	Install wellhead treatment systems for perchlorate removal	$5,000,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	1	Perchlorate above IAL for several primary sources of supply	Design/Study treatment possibilities	$2,000,000
0	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	13	Well F17B is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	$1,000,000

Total Projects for 'Category' = (45 Projects) **Total Costs for Category:** ***$44,357,162*** **Total Population served in Category:** ***928,972***

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	52	KRVWC - KERNVALE MUTUAL WATER CO	1500364	1	Arsenic in the system well is above EPA's revised MCL of 10 ug/L. Also uranium is above the state MCL of 20 pCi/L.	Connect to Erskine Creek Water Company and consolidation	$400,000
45	C	550	EDMUNDSON ACRES WATER SYSTEM	1500190	2	Well 01 exceeds the new arsenic MCL of 10 ug/L. Also distribution system is old.	Annex and connect to the Arvin Community Services District and upgrade distribution syste	$1,200,000
45	P	204	SOUTH FORK MIDDLE SCHOOL	1503368	1	Uranium above the MCL in the system well.	Drill new well to correct problem or connect to nearest PWS with acceptable water quality	$800,000
45	P	263	SEMI TROPIC SCHOOL WATER SYSTEM	1502244	2	Source exceeds MCLs for antimony and for arsenic.	Consolidate with neighboring water system.	$250,000
40	C	3185	Yuba City Groundwater Region 1	5115001	1	Arsenic levels too high in source water, unable to meet MCL for arsenic in service water	Convert system to surface water, connect to city of Yuba city surface water system.	$5,800,000
35	C	60	PIKE RANCH MUTUAL WATER CO	2000526	1	WELL WATER CONTAINS GROSS ALPHA THAT EXCEEDS THE MCL. SUBSURFACE STORAGE TANK IS INADEQUATELY SEALED, AND THE WATER LINES ARE DETERIORATED.	DRILL NEW WELLS OR CONNECT TO A NEARBY WATER SYSTEM, INSTALL A NEW STORAGE TANK AND DISTRIBUTION LINES.	$450,000
35	C	66	LACEY COURTS MHP	1600010	1	Arsenic exceeds Federal MCL of 10 ppb	Interconnection to the City of Hanford	$250,000
35	C	80	HAMBLIN MUTUAL WATER CO	1600504	1	Arsenic above the Federal MCL of 10 ppb	Interconnect to the City of Hanford	$500,000
35	C	350	FOUR SEASONS MOBILE HOME PARK	1600004	1	ARSENIC > MCL. NO BACK-UP SYSTEM. INADEQUATE PRESSURE FIRE CONTROL.	CONSOLIDATE WITH THE CITY OF HANFORD	$220,800
30	C	25	DUNES APARTMENTS WATER SYSTEM	1500442	1	Arsenic in source water about 40 ug/L.	Consolidate with North Edwards WD.	$300,000
30	C	40	FIRST MUTUAL WATER SYSTEM	1502569	1	Arsenic in source is above MCL.	Consolidate with Rosamond CSD.	$600,350
30	C	68	FOUNTAIN TRAILER PARK WATER	1500461	1	Arsenic above MCL	Connection to North Edwards Water District (System no. 1510052)	$181,425
30	C	597	NORTH EDWARDS WD	1510052	2	Interconnect Fountain Trailer Park to District to solve arsenic problem exceeding MCL.	Lay approx. one mile of 8" PVC main and construct storage tank.	$250,000
30	P	1600	ROSAMOND SCHOOL WATER SYSTEM	1502231	1	Source water marginally in compliance with the new EPA arsenic MCL.	Develop intertie with Rosamond CSD.	$950,000
25	C	30	HUNGRY GULCH WATER SYSTEM	1500436	1	Arsenic level in the systems wells exceed the current MCL	All groundwater wells will be pumped into a storage tank and then filtered to remove arsenic .	$150,000
25	C	35	FOURTH STREET WATER SYSTEM	1500449	2	Arsenic in source exceeds MCL.	Install arsenic treatment faciliuty.	$100,000
25	C	120	AERIAL ACRES WATER SYSTEM	1500405	1	The system will not meet the new 10 ug/L federal arsenic standard.	Provide treatment to meet the new federal arsenic standard.	$300,000
25	C	188	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	1	Uranium exceeds MCL in Well 2, lack of back-up source.	Add one more well or upgrade back-up well (later been our priority). Other - Design/Construction	$150,000

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	400	ALLENSWORTH C.S.D.	5400544	1	POSITIVE BACT TESTS, LACK OF WATER SOURCE RESULTING IN OUTAGES. (Reranked from E to G 2/19/02)	REPLACE WATER DISTRIBUTION SYSTEM, DRILL SECOND WATER WELL	$115,000
25	C	600	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	5	Standby source unable to meet New EPA Arsenic and Uranium Standard of 10 ug/L	Install treatment to meet arsenic standard	$910,000
25	C	1499	Kettleman City CSD	1610009	5	Two wells exceed the federal arsenic level of 10 ppb.	Install a SWTP to replace the two wells.	$4,725,000
25	C	2458	Clearlake Oaks County Water District	1710001	3	System exceeded DBP MCL in 2006; lacks necessary gas chlorination protection; disinfection inactivation achieved through pre-chlorination.	Eliminate pre-chlorination system; convert to liquid chlorine delivery system, add baffles to clearwell to increase contact time and UV disinfection	$265,000
25	C	2723	Richgrove Community Services District	5410024	1	WELL 4 EXCEEDS DBCP MCL	EITHER DRILL NEW WELL OR INSTALL TREATMENT. OTHER - STUDY, DESIGN AND CONSTRUCTION	$2,500,000
25	C	2793	Pixley Public Util Dist	5410009	2	Arsenic levels in Well 2A exceeds the federal MCL of 10 ppb	Install arsenic treatment	$2,804,459
25	C	3000	Riverdale Public Utility District	1010028	2	PUD's existing three wells exceed revised (10 ug/L) Arsenic standard.	Plan, design and construct media filtration systems at each well.	$5,300,000
25	C	7475	City of Live Oak	5110001	10	4 of 5 city wells exceed 10 ug/L arsenic standard	filtration & storage	$4,000,000
25	C	12138	City of McFarland	1510013	2	System's most critical well (Garzoli Well) exceeds revised Arsenic MCL, and two other wells are old (48 and 52 years).	Provide wellhead treatment to remove Arsenic at Garzoli Well and construct a new well to replace the two aging wells.	$2,000,000
25	N	50	CAL HOT SPRINGS RESORT	5400513	1	Arsenic above revised allowance limit	Filter system	$200,000
20	C	30	BOULDER CANYON WATER ASSOCIATION	1500521	1	Arsenic exceeds MCL in source water.	Add arsenic removal treatment, consolidate with neighboring water system with same problem.	$150,000
20	C	62	Mount Weske Estates Mutual Water Company	4900643	1	High arsenic. Above MCL.	Engineering study, design and construction to determine optimum resolution of problem. For example: a) operate pump a different depth, b) connect to Windsor City water supply.	$100,000
20	C	75	PINON HILL WATER COMPANY	1500540	4	High arsenic in source water, exceeds MCL.	Install treatment or consolidate with neighboring utility, if possible.	$200,000
20	C	180	Keeler CSD	1400036	6	Average arsenic level in the Keeler Well Water for the years of 2002/2003 is 68 ppb, which exceeds the current MCL of 50 ppb	Construct a new well or water source or treatment that is affordable	$1,000,000
20	C	200	EL ADOBE POA, INC.	1500493	1	Arsenic levels above MCL	Blending or treatment	$2,500,000

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	400	Lanare CSD	1000053	2	Arsenic contamination at 30 ppb, naturally occurring in ground water. Two existing wells are tied to Arsenic treatment plant constructed in 2006, now bypassed. Cost of operation when brought on line unable to be paid for because water production and use	The existing Arsenic treatment plant designed by Boyle Engineering and put into service in 2006 works. It is the water production and use that were out of control thus placing the cost of operation of the treatment plant out of control. A seperate USDA	$125,000
20	C	820	Tranquillity Irrigation Dist	1010030	2	Arsenic levels in excess of the MCL in the drinking water for Tranquillity Irrigation District.	Installation of a treatment system to remove the arsenic from the drinking water .	$1,750,000
20	C	1240	Riverside CSA #122-Mesa Verde	3310028	1	Insufficient supply well and storage reservoir capacity. Groundwater source water quality violations. System delivering water containing high fluoride.	Construct a new supply well, filtration treatment units, storage reservoir, and a transmission main pipeline connection to the Riverside County Airport-Blythe.	$2,000,000
20	C	1266	Buttonwillow CWD	1510011	2	Well 4 exceeds arsenic federal MCL of 10 ug/L.	Treatment plant for the removal of arsenic or installation of 10" pipeline to enable water system to blend the water with other wells in the system.	$775,000
20	C	1785	Plumas Eureka CSD	3210011	2	Each of the District's wells has exceeded the current federal MCL for arsenic of 0.010 mg/L in past monitoring.	Design and install treatment to reduce the level of arsenic at both wells below the current MCL of 0.010 mg/L.	$100,000
20	C	5200	Lakeport, City of	1710004	2	Lead and copper rule compliance. Exceeded actions level for copper.	Provide pH/corrosion control facilities.	$50,000
20	C	10247	TUD - Sonora/Jamestown Water System	5510001	6	The Sonora Surface Water Treatment Plant produces water that does not comply with the MCL's in the Federal Disinfectants/Disinfection Byproducts Rule. In addition, the plant is hydraulically overloaded during peak demand periods. Furthermore, the flocc	Construct a new surface water treatment plant.	$19,000,000
20	C	16349	Avenal, City of	1610002	1	CANNOT MEET PROPOSED THM STD. DUE TO HIGH TURBIDITY LEVELS IN THE LOCATION OF THE TURNOUT FROM THE SAN LUIS DAM	Planning, design and construction of an ammonia injection system to convert from free chlorine disinfection to chloramine disinfection.	$500,000
20	P	320	CENTRAL UNION ELEMENTARY	1600008	1	Arsenic exceeds Federal MCL	Arsenic Treatment or New Source	$500,000
15	C	45	Sunrise Shore Mutual Water Company	1700536	2	System's single source well produces water that exceeds aluminum MCL	Develop new source well or install treatment on existing well	$250,000
15	C	50	ROUND MOUNTAIN WATER COMPANY	1500561	1	Uranium in source exceeds MCL	Study/design/construct treatment/blending.	$100,000
15	C	100	MD#42 STILL MEADOW	2000737	1	Well exceeds the revised arsenic MCL of 10 ppb.	Construct a water treatment plant to remove arsenic.	$935,664
15	C	150	MD#24 TEAFORD MEADOW LAKES	2000552	1	Well No. 2 does not meet the revised arsenic MCL of 10 ppb.	Construct a new well and storage tank.	$944,000
15	C	740	PINON PINES MWC	1510054	1	Fluoride level in the newly developed well necessary to maintain increasing demand are above allowable MCL of 2 mg/L	Reduce fluoride levels by blending with the existing wells that have fluoride levels below the MCL.	$150,000

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	820	Cuyama Community Services District	4210009	2	Water supply will not comply with proposed MCL for Arsenic if below 20 ppb.	Provide arsenic removal treatment.	$500,000
15	C	3000	BRIDGEPORT PUD	2610003	2	Arsenic level in twowells are high (0.039 mg/l)	Install treatment system to meet future MCL.(2006)	$500,000
15	C	28000	INDIAN WELLS VALLEY W.D.	1510017	3	Five of the twelve wells in our system currently exceed the 10 ug/L arsenic MCL, which equates to 26% of the water distributed in the service area during the 2001 calendar year.	Installation of arsenic filtration equipment or treatment facilities.	$7,500,000
15	C	121420	Elsinore Valley MWD	3310012	6	Intermediate ozonation at Canyon Lake WTP to meet ESWTR. System has failed the THM standard and has high THM at the treatment plant.	See attached sheet	$1,800,000
15	P	300	ISLAND UNION SCHOOL	1600017	2	Arsenic exceeds the Federal MCL of 10 ppb.	Arsenic Treatment or New Source	$250,000
10	C	32	HARDWICK WATER GROUP	1600507	1	Uranium above MCL	Drill a new well and upgrade distribution system	$1,328,100
10	C	55	DESMOND RD WS #03	2700547	1	Well exceeds chromium and cadmium MCL.	Replace well. This would involve study, design, and construction.	$50,000
10	C	63	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	1	Arsenic in source water at 16 ug/L.	Install cartridge type arsenic removal system.	$187,000
10	C	80	OASIS PROPERTY OWNERS ASSOCIATION	1500585	3	Arsenic Level in the main well (Well 03) is close to the new federal arsenic MCL of 10 ug/L.	Treatment or consolidation with a nearby water system.	$500,000
10	C	130	MD#06 LAKE SHORE PARK	2000550	1	SYSTEM WELLS EXCEED THE ARSENIC, URANIUM AND RADIUM MCLs.	CONSTRUCT A WATER TREATMENT PLANT TO REMOVE THE CONTAMINANTS.	$729,600
10	C	200	MD#07 MARINA VIEW HEIGHTS	2000551	2	SYSTEM WELLS EXCEED THE URANIUM MCL.	CONSTRUCT A WATER TREATMENT PLANT TO REMOVE URANIUM.	$608,000
10	C	210	Lands of Promise Mutual Water Associatio	1500424	2	Arsenic in source water at 13 ug/L.	Install arsenic removal facility.	$5,000,000
10	C	225	SIERRA LINDA MUTUAL WATER CO	2000506	1	Main well exceeds the uranium MCL. Also, the system has insufficient source capacity.	Drill a new well.	$25,000
10	C	264	MD#08 NORTH FORK WATE SYSTEM	2000561	1	Well exceeds the revised arsenic MCL of 10 ppb.	Construct a water treatment plant to remove arsenic.	$650,000
10	C	300	PlaVada Community Association	2910011	1	Wells water exceeds arsenic MCL of 10ppb	Plan, design, and construct arsenic project	$500,000
10	C	597	NORTH EDWARDS WD	1510052	3	System will exceed the new federal arsenic standard of 10 ug/L.	Connect to Antelope Valley East Kern Water Agency (AVEK) or alternate arsenic water treatment	$400,000
10	C	2500	BORON CSD	1510002	1	Arsenic in the system wells is above the new federal MCL of 10 ug/L,	Arsenic Removal treatment, AVEK water is currently available as a secondary source with low arsenic	$663,000

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	5000	HILMAR COUNTY WATER DISTRICT	2410012	2	Three wells exceed the new arsenic MCL of 10 ppb.	Drill new wells or install arsenic removal treatment facilities.	$3,500,000
10	C	16075	ROSAMOND CSD	1510018	5	Well #7 water exceeds MCL for arsenic.	Design and construct arsenic removal treatment system.	$250,000
10	C	16075	ROSAMOND CSD	1510018	4	Rosamond CSD has four wells and all of them are 10 ug/l or higher for arsenic, thereby exceeding the new federal arsenic MCL of 10 ug/L	Install package arsenic removal plant at one well that will be used to remove arsenic from water of two wells (Wells 8 and 9). Blend this water with other well water to get arsenic level below 10 ug/L.	$950,000
10	C	50530	Hanford, City of	1610003	3	Eighteen of the City's nineteen wells will exceed proposed 10 ug/L arsenic MCL.	Design, purchase and installation of wellhead treatment at each well site.	$8,000,000
5	C	128	FCWWD #40/SHAVER SPRINGS	1000042	1	Water produced by system's well exceeds Uranium MCL. Well yield has declined and does not meet current demand.	Identify suitable well, acquire water rights to the well and construct a pipeline to the system.	$400,000
5	C	140	LOS TULES MUTUAL WATER COMPANY	3700958	2	Radiological contamination exceeding State primary MCL	New well or design & construct treatment	$150,000
5	C	300	Yosemite West Water System	2210924	2	EXCEED THE COPPER ACTION LEVEL IN THE DISTRIBUTION SYSTEM.	CONDUCT A STUDY, DESIGN AND CONSTRUCT TREATMENT FACILITIES TO ELIMINATE THE HIGH COPPER LEVELS IN THE SYSTEM.	$100,000
0	C	30	MUSTANG SPRINGS MUTUAL WATER	4000775	1	Well exceeds the fluoride MCL. Reverse Osmosis system installed, because of water quality and design of system consistent water quality hard to maintain.	Design problems need to be assessed or provide new treatment for fluoride	$100,000
0	C	30	Quail Valley Water Dist-Eastside System	1502724	1	Source water exceeds MCL for arsenic.	Drill new well or install treatment to remove arseinc.	$500,000
0	C	39	Quail Valley Water Dist-Westside System	1503226	1	Source water exceeds arsenic MCL and antimony and fluoride	Drill new well or install treatment.	$500,000
0	C	87	VISTA DEL TORO WS	2700799	2	Arsenic and cadmium over MCL	treatment for Arsenic and cadmium removal	$175,000
0	C	100	La Pena Housing Facility	3302069	1	The system violates the fluoride MCL. We are being required by Riverside County fire dept. to have 60,000 gal water availability for fire protection since our ranch is in rural area; our present system may not accomadate.	Construct a well and 60,000 gal storage tanks and install a fire pump for required pressure.	$34,400
0	C	120	BOBCAT SPRINGS MUTUAL WATER CO	4200891	2	Main well exceeds Arsenic MCL.	Treatment Plant to reduce the arsenic concentration below 10 ppb.	$150,000
0	C	140	Hollister Ranch Estates	3500904	1	Well water has high radioactivity.	drill a new well or install treatment	$200,000
0	C	8538	BAKMAN WATER COMPANY	1010001	2	Well 13 is contaminated with DBCP.	Install a GAC treatment system on Well 13.	$573,430
0	C	107323	DOWNEY - CITY, WATER DEPT.	1910034	5	Refinance. Wells 20 and 21 produced poor water quality (VOC).	Constructed replacement Well #11.	$901,350
0	P	800	LAKESIDE SCHOOL	1502154	1	Arsenic in source exceeds MCL.	Design/build arsenic treatment.	$4,850,000

SRF Category **G**

Bonus	Type	Pop	Water System Name	Project Number	Problem	Project Description	Cost

Total Projects for 'Category' = (81 Projects) **Total Costs for Category:** ***$109,326,578*** **Total Population served in Category:** ***443,559***

SRF Category **H**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	60	Darwin Community Services District	1400098	3	Low head transmission line	Replace transmission line	$1,000,000
20	C	26299	Paradise Irrigation District	410007	1	The District's "B" Reservoir is a hypalon-covered reservoir that needs to be improved or replaced.	Remove "B" reservoir and install new 10 MG reservoir.	$6,600,000
20	C	28500	Banning, City of	3310006	1	System has 16,000 L.F. of low head transmission main.	Replace the entire 16,000 L.F. of 18" and 20" with a new 20" C.M.L.C. pipe.	$2,000,000
15	C	400	SEVILLE WATER CO	5400550	1	DUE TO OLD DETERIORATING DISTRIBUTION LINES, NUMEROUS WATER OUTAGES HAVE OCCURRED DUE TO LEAKING PIPES.	REPLACEMENT OF THE ENTIRE PLUMBING SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$300,000
15	C	950	Leavitt Lake CSD	1810004	1	Existing wood-framed reservoir cover is structurally failing and is expected to collapse.	The District would like to put in an above ground storage tank of approximately 300,000 gallons capacity.	$100,000
5	C	27199	Placer CWA - Auburn/Bowman	3110005	2	Reservoir has flexible floating cover which is defective.	Design and construct steel or concrete 10 mg reservoir.	$7,000,000
5	C	112937	El Dorado ID - Main	910001	16		(Res C) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	$800,000
5	C	112937	El Dorado ID - Main	910001	15	Reservoir is covered with a floating cover which is defective.	(Res B) Replace floating cover with rigid cover and an adequate bypass. Involves design and construction.	$800,000
5	C	112937	El Dorado ID - Main	910001	13	Reservoir is covered with a floating cover, which has defects.	(Dolomite) Replace floating cover with rigid cover. Involves design and construction.	$2,300,000
5	C	112937	El Dorado ID - Main	910001	17	Reservoir is covered with a floating cover which is defective.	(Res 1) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	$1,700,000
5	C	112937	El Dorado ID - Main	910001	14	Reservoir is covered with a floating cover, which has defects.	(Res 11) Replace floating cover with a rigid cover. Involves design and construction.	$2,800,000
5	C	112937	El Dorado ID - Main	910001	12		(Moose Hall) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	$600,000
5	C	112937	El Dorado ID - Main	910001	11	Reservoir is protected with a floating cover, which has defects.	(Pollock Pines) Replace floating cover with a rigid cover and adequate bypass. Design and construction is involved.	$1,700,000
5	C	121888	Vista Irrigation District	3710027	1	Public health and safety concerns associated with age and deterioration of the low head Vista Flume (potable water conveyance system). See Attachemt 1 and 3.	Permanent replacement of Vista Flume with pressure pipeline. See Attachement 2 and 3.	$15,000,000
0	C	0	Metropolitian Dist. of So. Cal.	1910087	1	Floating cover damaged on Garvey Reservoir (1,610 acre-foot finished water storage).	Design and install a floating cover upon completion of the liner system.	$10,000,000
0	C	200	ANZA MUTUAL WATER COMPANY	3301180	1	Water Outages. Reranked from E to H per District. (9/17/01)	Distribution System Improvements	$850,000

SRF Category **H**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	3640	Meadow Vista County Water Dist	3110009	2	Storage reservoirs have floating covers which apparently are no longer permitted by DHS.	Replace two (2) 2mg reservoirs with welded steel tanks.	$1,750,000

Total Projects for 'Category' = (17 Projects) **Total Costs for Category:** ***$55,300,000*** **Total Population served in Category:** ***999,695***

SRF Category I

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	10247	TUD - Sonora/Jamestown Water System	5510001	8	The Tuolumne Utilities District (TUD) currently operates 14 separate DHS permitted water systems, 13 of which are served by treated surface water from separate water treatment plants located on the TUD ditch system. The majority of these small independen	TUD proposes to hire engineering and planning consultants to increase water treatment plant reliability, facilitate compliance with current and upcoming disinfection and log removal regulations, reduce the regulatory burden on the state DHS and TUD, and r	$500,000
30	C	5268	TUD - Crystal Falls Water System	5510010	6	The Crystal Falls SWTP operates at filtration rates that exceed the SWTR during peak demand periods.	Construct a new SWTP.	$15,000,000
30	C	5268	TUD - Crystal Falls Water System	5510010	5	The Crystal Falls SWTP and Willow Springs SWTP are operated at peak flows that exceed the allowable filtration rate in the SWTR.	Expand the Monte Grande SWTP and connect the Crystal Falls/Willow Springs system to the Monte Grande system.	$1,400,000
25	C	0	Cabazon County WD - Jensen Area	3310041	1	We do not always get our turbidity down to 0.1 NTU as the projected goal of the cryptosporidium action plan. Our range is 0.07 to 0.22.	Implement crypto action plan	$50,000
25	C	350	HAVASU WC	3610017	2	1. December 28, 2006, a letter from DHS. Notice of Violation - TTHM MCL ViolationThe running 12-month averages for the year and a half period from the third quarter of 2005 through the fourth quarter of 2006 have ranged form 0.0787 to 0.0851 mg/L w	1. GAC system placed in front of existing filters and prechlorination to eliminate TOC that lead to high TTHM formation after chlorination. This will be two, maybe three tanks, monitoring equipment, engineering, new plumbing and electric. 2. To be in c	$400,000
25	C	400	LSID - Tonyville	5410007	2	The Lindsay-Strathmore Irrigation District (District) provides water for domestic and/or agricultural irrigation purposes. The District utilizes imported surface water as their primary water supply. The District has a contract for Class 1 water from the	The District believes that the construction of a new water supply pipeline for the Tonyville System will result in lower disinfection by-products (DBPs). The new pipeline will enable the District to provide unchlorinated water to its treatment plant whic	$125,000
25	C	1500	Garberville Sanitary District	1210008	1	Direct filtration system that is having problems meeting turbidity standards of SWTR during high flow periods in source.	May need a clarifier or additional filter.	$100,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	5	System relies on prefiltration to meet disinfection requirements. Need to upgrade water treatment plant facilities.	Engineering planning.	$200,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	6	Need to upgrade water treatment plant facility. System relies on prefiltration to meet disinfection requirements.	Develop plan and specifications and complete construction.	$225,000
25	C	1891	IVCSD-Greenville	3210001	2	Existing surface water treatment plant currently meets standards but will be unable to meet proposed standards in the Cryptosporidium action plan.	Consider pre-treatment, clarifiers, additional filters, or new treatment plant.	$1,002,650

SRF Category I

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	2458	Clearlake Oaks County Water District	1710001	7	The treatment plant needs a new back-up generator and switch, therefore fails to meet swtr reliability requirements.A backwash water recovery system at the WTP will bring system in conformance with CAP and conserve water,	Install a new 400kW propane back-up generator at the water treatment plant replacing a deteriorating army surplus generator that currently does not provide reliability.Install a 50,000 gallon backwash tank & recovery system to recover and recycle backwa	$270,000
25	C	2458	Clearlake Oaks County Water District	1710001	6	Recycled backwash water to headworks shall be restricted to 10% of total production	Installing a backwash holding tank at WTP will bring system into conformance with CAP.	$145,000
25	C	2500	Nice Mutual Water Company	1710008	5	Plant needs evaluation to identify components in need of improvements to meet CAP, including 55-yr old pressure filters and other aging equipment and structures.	Evaluate plant condition, recommend improvements and construct improvements.	$500,000
25	C	3434	TUD - Upper Basin Water System	5510012	11	The District owns and operates 14 water treatment plants (WTP) that serve 13,000 treated water customers. The majority of these WTPs are of limited treatment capacity and capability. There are an excessive number of water treatment plants for the numbe	The proposed project includes the design and construction of a WTP that would consolidate four water systems, provide for permanent interconnections of adequate volume to supply the needs of two additional public water systems and eliminate four to six WT	$7,684,875
25	C	6306	Huron, City of	1010044	1	HIGH TURBIDITY LEVELS IN RAW WATER FROM THE CALIFORNIA AQUEDUCT HAVE RESULTED IN UNSCHEDULED SHUTDOWNS OF THE PLANTS FOR BACKWASHING OF THE FILTERS. PLANTS UNABLE TO CONSISTENTLY MEET THE CRYPTOSPORIDIUM ACTION PLAN.	INSTALLATION OF CLARIFIERS TO REDUCE DOWN TIME AND INCREASE THE PRODUCTION OF THE EXISTING PLANTS.	$500,000
25	C	6306	Huron, City of	1010044	3		INSTALLATION OF CLARIFIERS TO REDUCE DOWN TIME AND INCREASE THE PRODUCTION OF THE EXISTING PLANTS.	$500,000
25	C	9427	Cal-Water Service Co.-Oroville	410005	1	Surface water treatment plant needs improvements and upgrades to improve operations and reliability. Also need improvements to comply with the Cryptosporidium Action Plan.	Treatment plant upgrades: particle counter, liquid alum feeder/mixer, current monitor, SCADA system and gaseous chorine containment.	$220,000
25	C	11185	Lindsay, City of	5410006	2	Unfiltered surface water being used for backwashing filters at surface water treatment plant.	Redesign and replumb existing raw water supply and valving to allow finished water to be used for backwashing filters.	$400,000
25	C	1256951	San Diego - City of	3710020	49	Need additional chlorine contact time to adequately meet futureCrypotsporidium Action Plan.	Construction of chlorine contact basin and chlorine dioxide system.	$14,764,137
25	P	100	Junction City School	5304209	1	Spikes in turbidity measurements when filter starts up after service interruptions. Some of the filter media is deteriorated and needs to be replaced.	Replacement of filter media.	$100,000

SRF Category I

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	P	120	Fouts Springs Youth Facility	600041	1	Surface water treatment plant improvements are needed to comply with the Cryptosporidium Action Plan and to treat higher turbidity water.	Replace existing raw water storage tank and piping. Add 50,000 gallon clearwell tank.	$224,000
20	C	50	Stockton East Water District	3910006	3	PLANT HAS LIMITED CLEARWELL VOLUME FOR DISINFECTION INACTIVATION.	CONSTRUCT NEW 10 MG CLEARWELL TO MEET INCREASING DISINFECTION REQUIREMENTS.	$6,743,000
20	C	50	Stockton East Water District	3910006	2	WHEN IT BECOMES NECESSARY TO TAKE FILTERS OUT OF SERVICE, FILTRATION RATER MUST EXCEED REGULATORY LIMITS TO MEET DEMANDS.	CONSTRUCT TWO FILTERS TO PERMIT FILTRATION RATES TO MEET REGULATORY LIMITS DURINF FILTER MAINTENANCE.	$4,031,000
20	C	108	FELGER FARMS - INACTIVE	1009215	1	OLD SURFACE WATER TREATMENT FACILITIES THAT DO NOT MEET THE CALIFORNIA CRYPTOSPORIDIUM ACTION PLAN STANDARDS.	CONSTRUCT NEW SURFACE WATER TREATMENT FACILITIES.	$100,000
20	C	230	FCSA #32/CANTUA CREEK	1000359	2	SURFACE WATER IS PROVIDED FROM THE WESTLANDS WATER DISTRICT. DURING THE LAST 12 MONTHS, WESTLANDS' WATER LINES HAVE BROKEN TWICE LEAVING THE COMMUNITY WITHOUT WATER. PLANT UNABLE TO MEET THE CAP.	CONSTRUCT A BACKUP WELL TO PROVIDE DOMESTIC WATER DURING PERIODS THAT THE SURFACE WATER SUPPLY FROM WESTLANDS IS INTERRUPTED.	$214,350
20	C	625	TUD-Scenic View/Scenic Brook	5510033	4	THE PHOENIX DITCH THAT SUPPLIES THE WTP IS CONTAMINATED FROM RUNOFF CAUSING THE PLANT TO HAVE DIFFICULTY MEETING OUR DEPARTMENT'S CAP.	CONSTRUCT A PIPELINE TO REPLACE THE OPEN DITCH FROM THE SHAWS FLAT PIPELINE TO PHOENIX ROAD.	$147,000
20	C	1000	City of Trinidad	1210018	1	Turbid water from Luffenholtz Creek difficult to treat to SWTR standards. Direct filtration with no clarifier.	Construct a clarifier and make other system improvements.	$100,000
20	C	1495	City of Montague	4710007	2	Watershed subject to significant Cryptosporidium contamination hazards from cattle ranches and feed lots and therefore, required to have increased removal efficiencies to meet future microbial MCLs. Also water has high TOCs and taste/odor problems.	Installation of ozonation facilities.	$935,000
20	C	3441	Angels, City of	510003	2	LACK OF REDUNDANT FILTER CAPACITY.	INSTALL ADDITIONAL FILTER.	$381,257
15	C	0	Kern County Water Agency	1510040	3	COMPLIANCE WITH ENHANCED SURFACE WATER TREATMENT REQUIRES ADDITIONAL CHLORINE CONTACT TIME; ALSO WILL HELP MEET THE THM REQUIREMENT.	REFURBISH 6.1 MG CLEAR WATER WELLS WHICH HAVE BEEN IN SERVICE FOR OVER 20 YEARS.	$3,500,000
15	C	398	WESTSIDE SCHOOL	1000290	1	INADEQUATE SURFACE WATER FILTER SYSTEM THAT DOES NOT MEET THE CRYPTOSPORIDIUM ACTION PLAN.	INSTALL NEW FILTER SYSTEM.	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	3554	Weaverville C.S.D.	5310001	3	West Weaver filtration plant is an in-line filter system that needs a clarifier to help optimize treatment.	The project would construct a clarifier and facilities for pre chlorination and coagulation.	$502,000
15	C	3554	Weaverville C.S.D.	5310001	1	Clarifier at East Weaver filtration plant does not provide adequate pre-treatment and may not meet the turbidity reduction goals of Cryptosporidium Action Plan.	Upgrade the existing clarifier system.	$100,000
15	C	50001	Lake Hemet MWD	3310022	1	The District has prior to 'turn-of-the-century' surface water rights. Existing treamtent plant is D-rated due to latest clean water regualtions. New water treatment technology will better able us to use surface water diversions and lower dependance on the	Construct a new surface water treatment plant or add an additional treatment element (membrane or bag filter system) in front of plant to better regulate influent turbidiy changes.	$3,500,000
15	C	71168	Desert Water Agency	3310005	1	Snow and Falls Creek System: Proposed EPA, Enhanced Surface Water Treatment Rule, will likely render existing surface water treatment facilities in non compliance.	Design and construction of chemical addition, coagulation, flocculation, sedimentation, filtration, and disinfection surface water treatment facilities and appurtenances.	$6,200,000
15	C	71168	Desert Water Agency	3310005	2	Chino Creek System: Proposed EPA, Enhanced Surface Water Treatment Rule, will likely render existing surface water treatment facilities in non compliance.	Design and construction of chemical addition, coagulation, flocculation, sedimentation, filtration, and disinfection surface water treatment facilities and appurtenances.	$1,700,000
15	C	94370	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	2	Cater Water Treatment Plant cannot consistently meet the Disinfectant/Disinfection By Products Rule and the Interim Enhanced SWTR requirements.	Redesign filters, chemical handling, filter to waste, sludge handling and decant return systems.	$12,000,000
10	C	0	LOPEZ PROJECT	4010022	3	Treatment plant needs upgrades to comply reliably with revised SWTR and Cryptosporidium Action Plan	Study, develop, construct an engineered solution to remedy problem	$14,000,000
10	C	280	Castle City Mobile Home Park	3110033	1	Will not meet new regulations based on California Cryptosporidium Action Plan. Lack of separate flocculation basin and backwash system is manual.	Build separate flocculation basin and install automatic backwash system.	$100,000
10	C	900	Weimar Water Company	3110035	1	Will not meet new regulations based on California Cryptosporidium Action Plan.	Upgrade water treatment plant to meet future regulations. Study/design/construction involved.	$200,000
10	C	2500	Idyllwild Water District	3310019	8	Surface water treatment plant must be upgraded to comply with SWTR as directed by DHS. Plant is out of service at this time.	Inprove surface wash and filtration system and add appropriate control systems.	$300,000
10	C	2632	Camanche South Shore-EBMUD	510012	2	OLD PLANT NOT DESIGNED TO MEET REQUIREMENTS OF CRYPTOSPORIDIUM ACTION PLAN.	CONSTRUCT NE W PLANT TO COMPLY WITH CAP REQUIREMENTS.	$2,800,000
10	C	140000	Escondido, City of	3710006	3	Delivery system from Lake Henshaw to Lake Wohlford is 14 miles of open canal which is 90 + years old in places and subject to contamination. Reliability of system is at risk due to weather and coliform contamination.	Design and construct/repair portions of canal with greatest exposure risk.	$5,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	5	DBPR compliance, high TTHM levels.	Coagulation injection.	$590,000
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	6	The problem addressed in this project is DBP formation. The Tejon Castac Water District uses surface water supplied by the State Water Project treated by PALL microfiltration, and 12.5% sodium hypchlorite as a disinfectant. The State Water Project is co	This project will include a pretreatment system to reduce the DBP formation potential. A Rapid Small-Scale Colum Test (RSSCT) will be performed to evaulate the variablility of the raw water and determine the best long term solution. Most probable treatm	$1,500,000
5	C	8508	ACWA Buckhorn Plant	310012	6	The Buckhorn Water Treatment Plant (WTP) provides both retail and wholesale domestic service to communities in the Eastern part of Amador County. Currently 2- of the Wholesalers have been cited by the Department of Health Services for non-compliance of H	The project proposes to install a UV system at the WTP and 3- post Chlorine Stations within the system. This will reduce the chlorine dosage at the WTP and will therefore conform to the Disinfection Bi-Product Requirements	$330,000
5	C	1256951	San Diego - City of	3710020	11	The Alvarado filtration plant does not meet the cryptosporidium action plan. DHS compliance order items # 26 and 29.	Alvarado water filtration plant expansion and rehabilitation project: reservoir demolition.	$20,000,000
5	C	1256951	San Diego - City of	3710020	33	The Miramar Treatment Plant requires construction of new flocculation/sedimentation basins because of inadequate capacity and short circuiting problems.	Demolish basins 3 and 4 and replace with new basins 5,6,& 7.	$70,000,000
5	C	1256951	San Diego - City of	3710020	28	The Alvarado filtration plant uses free chlorine gas as the primary disinfectant which creates DBP that may exceed future TTHM standards.	Installation of ozone mechanical and electrical equipment.	$64,884,000
5	C	1256951	San Diego - City of	3710020	30	The Miramar Water Treatment Plant requires construction of new ozone facilities to increase the capacity and meet water quality goals for future DBP requirements..	This project would provide for the construction of new ozone facilities which would help increase the capacity and water quality of the treatment plant.	$26,000,000
0	C	0	Santa Clara Valley Water District	4310027	7	Existing surface water treatment plant needs to be upgraded to comply with crypto action plan.	Replace filter media and install washwater clarification processes at Penitencia water treatment plant. (Splitted from proj 05)	$2,800,000
0	C	0	Santa Clara Valley Water District	4310027	5		Replace filter media and install washwater clarification processes at Rinconada water treatment plant. Install new filter-to-waste process at Rinconada plant.	$5,300,000
0	C	0	Santa Clara Valley Water District	4310027	6		Replace filter media and install washwater clarification processes at Santa Teresa water treatment plant. Install new filter-to-waste process. (Splitted from proj 05)	$5,800,000
0	C	0	COVINA IRRIGATION CO.	1910128	6	The Temple WTP is a 12.5 MGD conventional water treatment plant that treats either local surface water, supplies from the State Water Project (SWP), or blends of the two sourcewaters. The Temple WTP as originally configured used sodium hypochlorite for b	Alternate methods using granulated activated carbon, magnetic ion exchange resin, chlorine, ozone, and chlorine dioxide have been considered and ruled out, either due to the excessive cost, insufficient space requirements, or an inability to meet regulato	$2,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	0	Metropolitian Dist. of So. Cal.	1910087	6	The Mills plant exclusively treats State Water Project (SWP) water. Due to its proximity to the DWR conveyance system, the plant receives East Branch SWP water via Lake Silverwood and Lake Perris. From 2003 to 2005, average total organic carbon (TOC) conc	The project scope includes:addition of: a fourth 3,000 ppd ozone generator with power supply unit;a third LOX tank (34,000 gallon) with concrete foundation;a supplemental nitrogen generation system package;additional ambient ozone gas analyzers;powe	$30,829,000
0	C	0	Metropolitian Dist. of So. Cal.	1910087	2	Ozonation facilities are needed for Jensen and Mills filtration plants to comply with D/DBP MCLs for THMs. (splitted Jensen plant as project 05-1/7/02)	Design and install ozonation facilities at Jensen and Mills treatment plant. (splitted Jensen plant as project 05-1/7/02)	$50,000,000
0	C	600	San Francisco Regional Water System	3810001	73	HH supply may not meet the new DB Rules for Crypto inactivation.	Design and construct ozone facilities for the Hetch Hetchy supply.	$1,205,000
0	C	600	San Francisco Regional Water System	3810001	49	WW sludge discharged to source water - no treatment.	Study, design, and construct the preferred alternative for sludge handling. The filter-to-waste piping and ancillary facilities.[HWT filter plant]	$10,289,000
0	C	600	San Francisco Regional Water System	3810001	53	Treatment to HH to meet Crypto Action Plan.	Design and construct ozone facilities for the Hetch Hetchy supply.	$5,400,000
0	C	702	Inverness Public Utility Dist	2110001	33	The Inverness Public Utility District (IPUD) is in non-compliance with treated drinking-water maximum contaminant levels (MCLs) for disinfection byproducts (DBPs) set by both State and Federal Drinking Water Quality Standards. Total Trihalomethanes (TTHMs	The Inverness Public Utility District (IPUD) contracted with SPH Associates Consulting Engineers (SPH) of Cameron Park, CA to have SPH evaluate potential solutions to remove disinfection byproducts (DBPs) from IPUD treated drinking water and thereby gain	$279,000
0	C	750	Cuesta La Honda Guild, Inc.	4110012	3	High TTHM levels - Exceeds Running Annual Average MCL for TTHM	Install treatment system - Miex Anion Exchange system or chloramine treatment	$215,000
0	C	1200	Bolinas Community PUD	2110005	6	The BCPUD water distribution system is a gravity-fed, piecemeal system assembled over the last 80 years. The present district was formed in 1967 via the consolidation of two formerly-existing utility districts that each served different sections of the c	The planning and feasiblity study will consist of a comprehensive engineering analysis of the BCPUDs water distribution system to identify, plan and prioritize system-wide improvement projects. This analysis will include, but not be limited to, a scruti	$300,000
0	C	3000	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	4	Water quality varies greatly within the distribution system serving the community of Diablo Grande. Operations staff has noticed water quality parameters beginning to degrade. Chlorine levels vary from 2 mg/l to 0.2 mg/l within the distribution system.	A detailed study needs to be conducted to analyze how the WHWD can improve water quality. This study would review all water facilities operated by the WHWD to improve water quality and comply with the Disinfectant and Disinfection Byproducts Rules. Elem	$250,000
0	C	28000	City of Benicia	4810001	4	Washwater recovery not in compliance with Crypto Action Plan.	Construct backwash water treatment system, including increasing capacity of washwater recovery basins, adding return pumps, a basin overflow, clarifier, and diversion structure.	$450,000
0	C	30000	LAKE ARROWHEAD CSD	3610005	1	Inadequate water treatment capacity, undersized distribution system.	Implementation of capital improvements identified in March 2008 water master plan	$10,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	38390	North Coast County Water Dist	4110025	5	Need to upgrade water treatment plant to meet proposed microbial treatment standards.	Add second contact clarifier and ozonation system.	$1,000,000
0	C	56000	North Marin Water District	2110003	2	Ability to meet future regulations DBP, ESWTR.	Rehabilitation and reconstruction of WTP	$14,648,000
0	C	68000	EAST VALLEY WD	3610064	5	Historically, the EVWD has been in compliance with Stage 1 D/DBP Rule requirements because compliance was based on averaging results from samples collected throughout the distribution system. In addition, treatment requirements for improved disinfections	The modernization of the current District plant 134 will update the plant to comply with new regulations, and increase the supply of potable water to the public. The plant currently delivers 4.0 MGD of potable water to the residents of Highland. Upon comp	$11,500,000
0	C	79959	Napa, City of	2810003	7	The City of Napa's Jamieson Canyon Water Treatment Plant (JCWTP) treats water from the State Water Project via the North Bay Aqueduct. The raw water is consistently high in turbidity and total organic carbon. The JCWTP treats State Water Project water f	The existing Jamieson Canyon Water Treatment Plant (JCWTP) has been unable to meet the Cryptosporidium Action Plan (CAP) and Filter Backwash Recycle Requirement (FBRR). The recommended project to solve this problem is to combine the spent filter backwash	$5,400,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	4	Modifications needed for Hinckley WTP to meet TOC removal requirements in Stage 1 DBP Rule	Plan, design, and construct improvements to WTP	$17,000,000
0	C	80000	Tracy, City of	3910011	2	DELTA MENDOTA CANAL IS POOR SOURCE OF WATER FOR DOMESTIC USE	CONNECT TO CALIFORNIA AQUEDUCT. OTHER = STUDY, DESIGN AND CONSTRUCTION.	$3,000,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	8	The city of Redlands (City) supplies drinking water for domestic and industrial uses and fire suppression to 21,500 customers within its service area to an estimated population of 75,000 people. City supplied over 37,700 acre feet of water in 2007 throug	The city of Redlands (City) is planning to construct modifications to its Hinckley surface water treatment plant (Hinckley). Hinckley has a permitted capacity of 14.4 million gallons per day and treats water from the California State Water Project (SWP)	$18,000,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	7	The Hinckley Water Treatment Plant (WTP) has two main primary sources of water for treatment and then distribution to the City of Redlands. These two source waters, which are both surface waters, consist of the following:1. Santa Ana River (SAR) water	The City plans to improve the process of the WTP, reservoirs, and distribution system in order to address both the turbidity problems when running on SAR water and the DBP problems when running on SWP water. Preliminary evaluations have been completed of	$12,000,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	1	Treatment Plant needs upgrades to comply with the proposed microbial MCLs, treatment standards and CAP.	Modify the TP to meet enhanced Surface Water Treatment Rule and Best Available Treatment Technologies.	$12,000,000
0	C	200000	Contra Costa Water District	710003	1	Upgrade a surface water treatment plant with ozone treatment to meet future regulations (e.g. Cryptosporidium Action Plan).	PLANT UPGRADE INCORPORATIN INTERMEDIATE OZONE AND OTHER IMPROVEMENTS.	$15,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	200000	Contra Costa Water District	710003	18	System meets the existing surface water treatment and disinfection regulations, but not the proposed microbial maximum contaminant levels proposed microbial treatment standards, or the California Cryptosporidium Action Plan.	Improvements in the sedimentation and filtration processes. The improvements include; new sedimentation basin, Seismic retrofit, filter media reconfiguration	$6,500,000
0	C	998000	San Jose Water Company	4310011	6	Montevina WTP - backwash water recovery system is inadequate.	Design and construct additional handling facilities with enhanced solids separation.	$1,000,000
0	C	998000	San Jose Water Company	4310011	7	Montevina WTP - filter-to-waste not provided.	Design and construct filter-to-waste facilities, including storage and recovery of wasted filter effluent.	$5,000,000
0	C	1256951	San Diego - City of	3710020	59	new upgrade to meet DBP 2 and LT2ESWTR	floc/sed basin, modify 16 filters, new backwash system, filter to waste	$23,818,000
0	C	1300000	East Bay MUD	110005	10	Water Treatment Plant Solids Facilities Improvements - Supernatant is inadequately treated, has the potential of violating proposed microbial MCL. Existing solids handling systems are deficient in capacity at several WTP's.	Treat reclaimed supernatant. Evaluate the recycle streams including those with potential to be recycled to the headworks of a plant. Ensure that treatment would include construction of identified improvements.	$24,800,000
0	C	1300000	East Bay MUD	110005	11	Improvements - Optimization is required to meet Crypto Action Plan.	Install Hypolimnetic Oxygenation system to reduce TOC levels to comply with the ESWTR and Stage 1 DBP Rule.	$2,188,000
0	C	4071873	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	14	The United States Environmental Protection Agency has promulgated the Stage 2 Disinfectant and Disinfection Byproducts Rule (Stage 2 DBPR) to reduce the potential cancer and reproductive and developmental health risks from disinfection byproducts in drink	Two separate chloramination stations are to be constructed at the Van Norman Complex to treat the water being delivered to customers. The Van Norman Chloramination Station No. 1 (VNCS1) will be located at 12861 Sepulveda Blvd. adjacent to Van Norman Pump	$28,500,000
0	N	250	BERKELEY CAMP	5500136	2	The City of Berkeley operates Berkeley Tuolumne Camp under a special use permit with the Stanislaus National Forest. The Camp is open spring thru fall serving approximately 310 campers daily during high camping season (June-August) and approximately 1500	The City of Berkeley is requesting funds to update the current manual water filter system at Berkeley's Tuolumne Camp to an automatic system. The current water plant sits amid the 15-acre Berkeley Tuolumne Camp. It is housed in a 226 square foot open	$175,000

Total Projects for 'Category' = (83 Projects) **Total Costs for Category:** ***$617,414,269*** **Total Population served in Category:** ***17,875,070***

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	10247	TUD - Sonora/Jamestown Water System	5510001	7	Water delivered in the business core of the City of Sonora and surrounding residential areas is constantly plagued with terrible taste, odor and color casued by rusty pipes, high iron and manganese and breakthrough of iron and manganese films. There are	TUD proposes to replace one thousand (1000) water service laterals ranging in pipe size from 3/4 inch to 6 inch. The service lines would be replaced from the District main to the customers property line. The District will then implement a private wate	$1,500,000
45	P	527	PLEASANT VIEW SCHOOL	5400882	1	School's well is within 50 feet of Poplar CSD's wastewater disposal ponds. Potential for contaminant migration to School's well.	Interconnect with Poplar CSD water system and abandon well.	$230,000
35	C	35	BORREGO SPRINGS PARK COMMUNITY SERVICES	3701213	1	Borrego Springs Park Community Services District (BSP-CSD) is under County of San Diego Department of Environmental Health order to increase the total water storage in the system. Also, a major well (well#4) has collapsed reducing the total capacity of	This project will include the necessary piping, valves, check valves, pumps and other pipeline appurtenances to intertie the Borrego Springs Park Community Services District (BSP-CSD) and the Borrego Water District (BWD). A new storage tank will not be ne	$1,500,000
25	C	33	RIVER INN MOBILE HOME PARK	5200531	1	Sacramento River floods this Park and the wellhead has been inundated in the past. Flood waters are contaminated with sewage.	Re-work well head to seal holes and provide casing vent.	$10,000
25	C	185	Sierra Lakes County Water Dist	3110017	1	Water supply is vulnerable to contamination from sewage collection system.	Completion of existing standby deep well.	$35,000
25	C	435	City of Tehama	5200504	1	An emergency generator is needed to prevent power outages and resulting loss of pressure in the system. Special case as entire city floods when river stage is high.	Install automatic standby generator.	$171,319
25	C	665	East Wood Farms CWU	3600100	1	Unreliable source capacity	Construct temporary intertie with East Valley Water District while company makes system improvements	$15,763
25	C	700	LAKE MORENA OAK SHORE MW CO.	3700923	2	Aging distribution lines within 25 feet of septic leach lines. System was put in during the 30's and 40's.	Replace water lines.	$115,000
25	C	1904	Strathmore Public Util Dist	5410012	2	OLD MAINS WHICH ARE LEAKING AND ADJACENT TO THE SEWERLINES.	REPLACE OLD LINES WITH NEW PIPE AND INSTALL THEM WITH PROPER SEPERATION FROM SEWERS.	$433,000
25	C	2568	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	3	Many of the water lines in the Sherwood Forest service area are in close proximity to septic tank-leachfield areas. Also, low pressure and water supply problems are experienced due to inadequate distribution lines.	Install 10,000 feet of new 6-inch diameter PVC water lines and necessary appurtenances.	$1,000,000
25	C	4474	Ivanhoe Public Utility Dist	5410019	1	NEED ADDITIONAL WATER CAPACITY. MANY MAINS DO NOT HAVE ADEQUATE SEPARATION FROM SEWER SYSTEMS.	CONSTRUCT NEW WELL AND REPLACE EXISTING PORTIONS OF THE DISTRIBUTION SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$868,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	8656	Mendota, City of	1010021	1	THE CITY'S WATER SUPPLY SYSTEM HAS SUFFERED FROM LOW PRESSURES, WATER SHORTAGES, BACTERIOLOGICAL CONTAMINATION, AND SECONDARY WATER QUALITY PROBLEMS. THE WELLS ARE LOCATED NEAR THE CITY'S SEWAGE TREATMENT AND DISPOSAL FACILITIES.	CONSOLIDATE THE CITY'S TWO SYSTEMS BY CONSTRUCTING A NEW WELL FIELD, INSTALLING WATER TRANSMISSION AND DISTRIBUTION LINES, AND REHABILITATING AND EXPANDING THE EXISTING IRON AND MANGANESE TREATMENT PLANT.	$5,518,000
20	C	45	MD#85 VALETA MUTUAL WATER COMPANY	2000511	1	The well has elevated nitrate levels. One sample collected in February 2005 had a nitrate result of 46.1 mg/L. However, 6 subsequent samples were below the nitrate MCL. The well also produces an inadequate supply of water.	Construct a new well or nitrate treatment facilities.	$863,000
20	C	375	Ward Well Water Company	3110031	2	If funded, Ward Well Water Company would connect with a small system that is at the present time a non-compliant system that currently supplies water to five parcels including a state funded charter school.Placer County Department of Health has condemed t	Install 1,800 feet 6 " pipe.Install 2 fire hydrantsHook-up 25 residential connections existing and new.Survey and design.Approval processing.Bidding and construction services.	$425,000
20	C	3000	Sweetwater Springs CWD - Monte Rio	4910028	4	Leaky, old, undersized mains in area of failing septic.	Install 5,800 feet of 6-inch water main and connect customers served by old mains.	$1,026,000
20	C	3000	Sweetwater Springs CWD - Monte Rio	4910028	5	Leaky, old, undersized tank and mains in area of failing septic	Construct 60,000-gallon tank and 3,900 feet of 6-inch water main.	$909,000
20	C	3000	Sweetwater Springs CWD - Monte Rio	4910028	6	Leaky, old, under sized water mains in areas of failing septic.	Install and replace 7,000 feet of distribution line	$1,011,000
20	C	3000	Sweetwater Springs CWD - Monte Rio	4910028	2	Low water pressure (lines may be subject to backsiphonage), lack of adequate water storage and water quality problems.	Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	$3,700,000
20	C	3000	Sweetwater Springs CWD - Monte Rio	4910028	3	Inadequate storage and undersized, leaky water mains suseptible to intrusion from old septic systems.	Install 60,000-gallon tank and replace 1-inch mains with 6-inch mains.	$1,120,000
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	2	Low water pressure (lines may be subject to backsiphonage), lack of adequate water storage and water quality problems.	Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	$2,000,000
20	C	26299	Paradise Irrigation District	410007	2	The District's distribution system has extensive leaks. Paradise is the largest community in CA without a sewer system. Septic tank effluent is found in trenches.	Replace 213,000 feet of pipeline.	$16,000,000
15	C	420	Clear Creek CSD-Westwood	1800512	2	System had fecal contamination due to flooding or animal intrusion into spring box, but this only happened once in January 1995. Not recurring.	Improve spring source	$50,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	517	TUD - Big Hill Water System	5510029	4	The Big Hill Water System was placed into receivership in 2000 due to water quality and water supply reliability violations. The Tuolumne Utilities District was the designated receiver of the system under the condition that the water distribution system	Replacement of the Big Hill East water distribution system is being funded by the Department of Water Resources, Proposition 13 funded Infrastructure Rehabilitation program. The Big Hill water treatment plant is funded by the DHS - SRF grant. The design	$2,121,754
15	C	3450	Rio Alto Water District	5210005	1	The system uses two old Ag wells that were converted to domestic use. After the flooding by the Sacramento River in the past, one well had a persistent fecal coliform problem.	Construct new municipal well within upper zone of District's distribution system.	$200,000
15	C	14154	SCWA Mather-Sunrise	3410704	6	Well has been abandoned because of proximity to a sanitary sewer.	Design and construct new well to replace well.	$250,000
15	C	24877	CITY OF SANGER	1010029	1	Very old, deteriorated 4" cast iron pipelines. Many sections of these lines ruptured in January 2000 resulting in water outages and a boil water advisory required by DHS.	Install ~33,000 feet of new water mains.	$2,000,000
10	C	75	HARBOR VIEW WA	2701498	1	The well source is in close proximity to a septic tank.	Drill new well and/or install holding tanks (three 5000 gallon tanks).	$20,000
10	C	232	PONDEROSA CSD	5400934	2	Coliform contamination of two hard rock wells (currently providing chlorination of the water). One well is within 150' of individual septic tank and leach fields.	Investigate cause/source of coliform - $50,000; Correct problem or drill new wells - $150,000	$200,000
10	C	168977	GSWC - SOUTHWEST	1910155	13	YUKON WELL#2 IS LOCATED 35' FROM SEWER LATERAL. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, OFF-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	$1,100,000
10	C	168977	GSWC - SOUTHWEST	1910155	12	CHICAGO WELL#1 IS LOCATED 25' FROM 6" SEWER LATERAL, 40' FROM 10" SEWER LINE. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, ON-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	$1,100,000
10	C	168977	GSWC - SOUTHWEST	1910155	10	BALLONA WELL#3 IS LOCATED 27' FROM 4" SEWER LATERAL. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, ON-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	$1,100,000
10	N	25	RUBALCAVA WATER SYSTEM	1600240	1	Replace old, leaking 350 foot galvanized iron pipe from wellhead to several users including a residential dwelling house, a restaurant/bar and retail truck parts company. Wellhead has tested positive for coliform bacteria in the past, perhaps from backfl	Replace service line from well to commercial and residential users, approx. 350 feet using piping of an approved material. This includes excavation of a trench of sufficient depth to bury the new pipeline, with appropriate connections to the existing use	$18,000

SRF Category J

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	35	MITCHELL S AVENUE E MOBILE HOME PARK	1900785	1	SYSTEM HAS HAD POSITIVE COLIFORMS. SEWAGE TREATMENT PLANT 1 MILE UPSTREAM AND A NEARBY SEPTIC TANK AND SEEPAGE PIT (WITHIN 200 FEET) MAY BE CAUSING CONTAMINATION OF THE WELL.	REPLACING COMPLETE WATER SYSTEM, VALVES, ADDITIONAL 5,000 GAL TANK. REMODEL AND UPDATE PUMP HOUSE AND EQUIPMENT.	$50,000
5	C	600	The Oaks Mobile Home Park	310020	1	Source water is from an extremely impaired source that receives the waste water discharged by the City of Jackson.	Pipe treated water from the Amador Water Agency's Mokelumne River source to provide acceptable water to this community. AWA has submitted the application to at least be a wholesupplier of quality water for the benefit of the Oaks.	$2,000,000
5	C	5000	LAKE AMADOR RECREATION AREA	300037	1	Source water is from an extremely impaired source strongly influenced by a waste water discharge	Pipe treated water from the Amador Water Agency's Mokelumne River source to this water sytem. AWA has applied for funding for a project to bring a quality supply of water to the area and wholesale it to existing PWSs.	$1,000,000
5	C	6500	CAMBRIA COMM SERVICES DIST	4010014	2	Wells subject to flooding from creek are subject to sewage discharge.	Extend casings and sanitary seals of the wells and raise the pump houses to an elevation above the 100 year flood elevation.	$60,000
0	C	0	Metropolitian Dist. of So. Cal.	1910087	4	Potential Cross-connection in the distribution system	Relocate below grade vacuum air release valves from below grade to above grade. Provide blowoffs with backflow protection	$55,000,000
0	C	0	CALLEGUAS MUNICIPAL WATER DIST	5610050	3	Two septic tanks in close proximity to source of supply (open storage reservoir).	Remove the septic tanks and install sewers.	$100,000
0	C	200	Diamond Park Mutual Water Co.	3000663	1	Deteriorating under ground water lines (circa 1920)near sewer line. Low pressure through out district. Need replacement of failed standby pressure tank.	Replace all lines and valves. Purchase & install additional storage tank.	$150,000
0	C	600	The Oaks Mobile Home Park	310020	2	Current source water is an extremely impaired source.	Pipe either treated or raw water for treatment to Oaks.	$2,000,000
0	C	926	Squaw Valley Public Service District	3110020	9	Well failure due to age and construction.	Replacement of Well # 2.	$600,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	11	Existing on-site wastewater systems in the Seadrift area of Stinson Beach do not meet the 10-foot minimum setback requirement from potable water service pipelines. The District relocates approximately 400 feet of potable water pipeline every year such th	The project involves relocating approximately 400 feet of mainline potable water pipeline (6-inch and 4-inch diameter) annually at a cost of approximately $45,000 each year.	$225,000
0	C	7128	Western MWD - Murrieta Division	3310036	4	Well located in close proximity to large concentration of septic tanks - increasing nitrate levels.	Design replacement well in new location. Construct new well.	$100,000
0	C	31000	CRESCENTA VALLEY CWD	1910028	2	Aged wells experience random coliform bacteria episodes.	Design and construct four (4) replacement wells. Rehabilitate four (4) existing wells with new casing liners and gravel pack.	$1,500,000

SRF Category J

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	62100	City of Tustin	3010046	3	Aged wells with close proximity to sewer line.	Somes wells will need to be abandoned and filled and a new well will need to be constructed near by.Other wells may be rehabilitated by lining the casing or other methods.	$3,500,000
0	C	166661	Moulton Niguel Water District	3010073	7	Significant sanitary sewer defect involving line crossing creek that continually erodes. Waterline in near vicinity crossing creek also.	Relocation of the Aliso Creek sewer to the other side of creek which is protected by a road.	$2,500,000
0	C	190800	Marin Municipal Water District	2110002	4	No fencing - cattle have direct access to reservoir.	To erect continous barbed wired fence around the reservoir.	$620,000
0	C	200000	Contra Costa Water District	710003	20	Surface drainage into lined canal. Groundwater seepage into unlined canal.	Drainage diversion, reversal of groundwater flow.	$1,500,000
0	C	200000	Contra Costa Water District	710003	16	Water systems source of supply, distribution mains or storage facilities situated in close proximity to sewage, sewage effluent or animal waste facilities.	Continue study to determine the best approach to reduce the impacts of the discharge. Construction of a diffuser, extending the discharge pipe. Controlling the timing of drainage discharge.	$7,000,000
0	P	30	Bucher Water Company	4901277	1	Well construction is inadequate	install c-pad, raise casing, install vents and adequate disinfection facilities	$100,000
0	P	37	FULL CIRCLE PROGRAMS, INC.	2100575	1	Well near leach field, persistent coliform problems.	Construct new leach field and drill new well.	$125,000

Total Projects for 'Category' = (51 Projects) **Total Costs for Category:** ***$124,739,836*** **Total Population served in Category:** ***1,501,946***

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	P	263	SEMI TROPIC SCHOOL WATER SYSTEM	1502244	1	NEEDS RELIABLE DISINFECTION EQUIPTMENT WATER QUALITY TASTE AND ODOR PROBLEMS. STUDENTS AND PARENTS COMPLAIN	TIE INTO ANOTHER SYSTEM FOR DOMESTIC WATER USE AND USE EXISTING WELL FOR LANDSCAPE IRRIGATION. OTHER - DESIGN AND CONSTRUCTION.	$20,000
25	C	336	RIVERKERN MUTUAL WATER COMPANY	1500251	1	NEEDS RELIABLE DISINFECTION EQUIPT. SYSTEM VERY OLD AND HAS MANY "DEAD-ENDS". 3 WELLS PRODUCE TOTAL COLIFORM POSITIVE WATER	UP-GRADE MAINS, CONSTRUCT "LOOP" AND GET RID OF ALL DEADENDS. OTHER - DESIGN AND CONSTRUCTION	$75,000
25	P	100	Mattole Elementary School	1200684	1	Many components of the system are old and in a poor state of repair. Some disinfection is broken and not in use, cement storage tanks are difficult to seal and are cracked. System failures and water outages are common.	Hire an architech to redesign system to comply with current and future state and federal law-rebuild system.	$92,000
25	P	200	So Trinity Unified School Dist.	5305107	1	Chlorination system is not flow-paced and does not provide reliable levels of disinfection.	Install new flow-paced chlorination system.	$10,000
20	C	50	Treasure Creek Woods MWC	5301101	2	The Treasure Creek Woods MWC source water consists of two shallow, non-cased wells, drilled to a depth of approximately 20 feet. The surface completions for these wells are open to atmosphere with no sanitary seal what-so-ever. Water produced from the w	The proposed project includes the following improvements:1. Construction of two new properly constructed wells with pumps and controls. 2. Construction of two, 10,000-gallon steel ground storage tanks. 3. Installation of 1, 5,000 gallon hydropneuma	$195,000
20	C	156	BIG OAK MOBILE HOME PARK WATER	707588	1	Problems with Coliforms.	Connect to city water.	$105,000
20	C	20047	Hemet, City of	3310016	1	Well developing potential bacteriological problem, unknown degree of contamination. Mandatory chlorination is required. Improvments needed for contact time and reliability.	Unknown - possible nitrogen block - acid cleaning - redrilling.	$750,000
20	P	50	FEATHER FALLS SCHOOL	400107	1	The water system has a source disinfection system that is in need of major repairs.	Contract with an engineer to analyze the system problems.	$20,000
15	C	50	Treasure Creek Woods MWC	5301101	1	Shallow well source requiring disinfection, but with inadequate chlorine contact time.	Install two 5,000-gallon capacity storage tanks after chlorination to provide contact time.	$10,000
15	C	2535	Borrego WD	3710036	1	Inadequate disinfection facilities to treat raw groundwater produced by District wells.	Installation of gas chlorinators at Wells 8, 10, 12, and 16.	$130,000
15	C	3967	CalAm - Arden	3410045	2	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install leak alarm annunciation. Involves design and construction.	$240,000
15	C	6269	DELHI CWD	2410006	1	THE EXISTING HYPOCHLORINATORS AT THE FIVE WELL SITES DO NOT HAVE ADEQUATE RELIABILITY FEATURES.	INSTALL NEW CHLORINATION FACILITIES.	$200,000

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	8852	City of Susanville	1810001	1	To upgrade the Bagwell Springs pressurized chlorination system to a gas chlorination system operated under vacuum and install safety detection equipment on site.Annual DHS inspection report deficiency item number 2 dated December 5, 2006	To install a power line to Bagwell Springs so the high pressure gas chlorination system can be replaced by a gas chlorination system operated under vaccum. Installing power is required to run a vaccum pump due to the pipeline not having sufficient pressu	$75,000
15	C	121420	Elsinore Valley MWD	3310012	1	Study and upgrade disinfection facilities for water district systems. See attached sheet	See attached sheet	$500,000
15	C	457511	FRESNO, CITY OF	1010007	4	ONLY ABOUT 100 OF THE CITY'S 250 WELLS HAVE PERMANENT DISINFECTION FACILITIES INSTALLED OR UNDER CONSTRUCTION. USE OF THE 150 UNDISINFECTED WELLS CAUSES INADEQUATE CHLORINE RESIDUALS TO BE SUSTAINED IN THE SYSTEM.	CONSTRUCTION OF PERMANENT DISINFECTION FACILITIES AT AN ADDITIONAL 50 WELLS.	$1,500,000
10	C	950	ARROWHEAD MANOR WATER CO	3610026	2	Chlorination system lack realiability	Install automatic chlorination system with realiability features	$15,000
10	C	2500	BORON CSD	1510002	3	NO DISINFECTIN OF GW. Unable to comply with disinfectant residual requirments when blending with AVEK water.	CHLORINATION FACILITY FOR TWO WELLS	$10,000
10	C	4575	Keyes Community Services Dist.	5010009	1	REPLACE HYPOCHLORITE FEED PUMPS PURCHASED FOR OCCASIONAL, NOT FULL TIME, USE.	REPLACE WITH ON SITE CHLORINE GENERATORS. OTHER = DESIGN AND CONSTRUCTION.	$80,000
10	C	16075	ROSAMOND CSD	1510018	1	NEEDS RELIABLE DISINFECTION EQUIPTMENT WELL CONTAMINATED WITH BACTERIOLOGICAL CONTAMINATION	CYCLE TESTING FOR SOURCE OF BACTERIOLOGICAL CONTAMINATION. OTHER - DESIGN AND CONSTRUCTION	$25,000
10	C	43996	CalAm - Parkway	3410017	2	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	$600,000
10	C	142060	CALIFORNIA WATER SERVICE CO. - DOMINGUEZ	1910033	1	Refinance chlorine generating facilities. Periodic bacteriological problems in system due to inadequate residuals in low usage areas and storage facilities.	Chlorine generating facilities were purchased and installed to increase overall system residuals.	$500,000
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	1	Inadequate chloring contact time.	Construct discharge line from well to tank.	$40,000
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	5	well/cistern close to septic system and subject to flooding.	Build new well/cistern and add chlorination.	$100,000
5	C	6500	CAMBRIA COMM SERVICES DIST	4010014	1	Gas chlorination facilities lack needed reliability features, chlorine residual analyzers and alarms.	Purcahse monitoring and alarm equipment, cylinder repair kits and the necessary protection equipment for these two sites.	$20,000

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	4	NO AUTOMATIC SWITCHOVER OR STANDBY CYLINDER ON GAS CHLORINATION SYSTEM. CAN NOT INSTALL DUE TO WORKPLACE SAFETY/HAZARDOUS MATERIALS/AIR QUALITY REQUIREMENTS.	INSTALL AN AUTOMATED ON-SITE OXIDANT GENERATOR OR OTHER RELIABLE DISINFECTION SYSTEM THAT SATISFIES WORKPLACE SAFETY, HAZARDOUS MATERIALS AND AIR QUALITY REQUIREMENTS.	$81,550
5	C	15222	FILLMORE WATER DEPT	5610002	1	Disinfection facilities lack needed reliability features to maintain proper disinfection of the water supply.	Install a SCADA system & paging ability to monitor the system	$200,000
5	C	17100	Rio Linda/Elverta Community Water Dist	3410018	5		The Rio Linda/Elverta Community Water District currently has 9 wells that provide groundwater to the community, (we shut down two wells last year due to arsenic, but that is the subject of different applications). Currently the only treatment required at	$964,000
5	C	25000	CALIF STATE POLYTECHNICAL UNIV - POMONA	1910022	1	VERY OLD TELEMETRY SYSTEM. HARD TO CONTROL CHLORINE DOSAGE IN THE DRINKING WATER SUPPLY.	INSTALL DDC CONTROLS THAT WILL AUTOMATE THE BLENDING AND CHLORINATION PROCESS.	$85,000
5	C	33102	CalAm - Antelope	3410031	3	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	$600,000
5	C	108724	Mesa Consolidated WD	3010004	12	Disinfection facilites are needed. Mesa's well water is treated with chlorine.It is mixed in the distribution system with MWD water treated with chloramines. This results in low residuals, odor problems and possible nitrite problems in the reservoirs	Modification of existing chlorine injection system to a chloramine injection system.	$2,000,000
5	N	200	KERN CO P&R-GREENHORN MT. PARK WATER	1502317	1	NEEDS RELIABLE DISINFECTION EQUIPTMENT. DISTRIBUTION PROBLEMS - OLD PIPELINE. A CAMPGROUND AT THE SITE HAS BEEN CLOSED FOR SOME TIME DUE TO COLIFORM CONTAMINATION	REPLACE 2,000' OF PIPELINE. DRILL A NEW WELL	$65,000
5	P	26	VALLEY HOME SCHOOL PIONEER	5000277	1	During the past year we were found to be in violation of the California Domestic Water Quality Monitoring Regulations by testing positive for coliform bacteria. We currently have two wells in close proximity to one another which feed into one storage tan	We isolated the north well from the potable water conveyance system by shutting it off and disconnecting it from the water storage tank. We were required to trench in a new 2 1/2 water line last May. This temporarily solved the problem, but we will have	$10,000
5	P	125	CAMPS MUNZ & MEDNENHALL	1900089	1	CHLORINATION SYSTEM OLD AND OUTDATED, NOT IN USE. COLIFORM POSITIVE SAMPLES.	INSTALL NEW CHLORINATION SYSTEM	$280,000
0	C	0	Santa Clara Valley Water District	4310027	4	Disinfection process needs improvement.	Clearwell modifications to increase the disinfection time.	$1,377,000
0	C	45	CORRAL DE TIERRA ESTATES WC	2700536	3	Existing chlorination system is not reliable.	Install an automated chlorination system and provide for back-up chlorination.	$10,000

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	100	SLEEPY VALLEY WATER CO., INC.	1900903	1	SHALLOW GROUNDWATER REQUIRES DISINFECTION FACILITIES	PROVIDE CHLORINATION, NEW PIPELINES, AND 500,000 GAL RESERVOIR	$701,200
0	C	141	RANCHO SAN JOAQUIN WATER SYS	3900558	1	FREQUENT POSITIVE FINDINGS REQUIRE RELIABLE DISINFECTION FACILITIES.	DRILL NEW WELL. INTERCONNECT WELL 1 WITH WELL 2 PRESSURE TANK AND INSTALL AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCTION.	$500,000
0	C	180	JOSHUA VIEW MOBILE HOME PARK	1900941	1	DISTRIBUTION SYSTEM HAS PERIODIC BACTERIOLOGICAL CONTAMINATION. AUTOMATED CHLORINATION SYSTEM REQUIRED.	INSTALL AN AUTOMATIC CHLORINATION SYSTEM, REPLACE RUSTED PIPES AND PUMP AT WELL, REPAIR WATER STORAGE TANK.	$19,000
0	C	190	Green Mountain Water Company	4300560	2	Existing disinfection control system needs to be upgraded.	Install chlorination system, low pressure staging tank, booster pump, and new control system.	$17,000
0	C	200	ELKHORN ESTATES WATER SYSTEM	3900724	1	FREQUENT COLIFORM POSITIVES REQUIRE RELIABLE DISINFECTION FACILITIES.	STUDY CAUSE OF COLIFORM CONTAMINATION AND, IF NECESSARY, DRILL A NEW ONE.	$450,000
0	C	380	Alpine Springs County Water District	3110029	2	Bacteriological problems were experienced; DHS mandated the chlorination of water.	Design and construct buildings dedicated solely to house the pumps and provider for safer access.	$80,000
0	C	600	San Francisco Regional Water System	3810001	64	Improve and provide back-up for chlorination.	Design improvements at Tesla Portal and Thomas Shaft (back-up chlorination station) to provide reliable treatment of Hetch Hetchy Water in accordance with SDWA regulations.	$1,130,000
0	C	600	San Francisco Regional Water System	3810001	65	Need chlorination feed improvements and back-up.	Construct improvements at Tesla Portal and thomas Shaft.	$9,350,000
0	C	1500	Pine Valley Mutual WC	3710039	2	Inability to safely meet the demands of water system during emergency or disaster in relation to production during power outages.	Purchase of emergency chlorinator and portable 300 kw generator for tie-in to distribution largest well.	$120,000
0	C	4000	MEINERS OAKS CWD	5610005	2	The monitoring station and SCADA equipment alarm system is currently located near the SWTP in a temporary large freight shipping container. The equipment is inoperable due to flooding of the container. The system needs a permanent secure building to house	The project will include building a new 10 ft by 15 ft building on a concrete pad adjacent to the SWTP. The flooded SCADA equipment will be rehabilitated to include monitoring the alarms for the system; alarms for high and low chlorine levels and turbidit	$150,000
0	C	6000	Sonoma State University	4910027	4	The Unviersity relies on self operated, owned and maintained well water for the campus. The current chlorination system is no longer supported by the manufacturer and replacement parts are not available. If the system was to fail, the University would	Removal of the existing T2 Chlorinator (approx. 10 years in age) from the potable water control building located within the Corporation Yard including HAZMAT disposal. Install 50 feet of new 1" CPVC piping and fittings for new system requirements, upgrad	$100,000
0	C	6000	Sonoma State University	4910027	5	The existing well water from Wells No. 2A is consistently positive for total coliform since development. Due to the contamination, the water supply cannot be used for potable water which places the campus at risk if one of the other wells should become c	The campus is proposing to install a Barrier SUN Series System, SUN8E-HO Type 304. The project includes pouring of concrete slab at Well No. 2A which will , installation of 8' chain link fence approximately 20' x 30', install electrical 208VAC 3-phase po	$110,000

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	7090	Nevada ID - Lake Wildwood	2910023	7	Inadequate chlorine residual downstream of pump station.	Add chlorination equipment. Involves design and construction.	$25,000
0	C	7128	Western MWD - Murrieta Division	3310036	5	System lacks chlorine residual analyzers and appropriate alarms.	Identify, design, purchase and install chlorine analyzers and alarm systems.	$50,000
0	C	19272	CalAm - Rosemont	3410034	2	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	$360,000
0	C	28000	City of Benicia	4810001	2	Gasesous chlorination system at WTP lacks safety feature.	Replace gaseous chlorination system.	$275,000
0	C	32584	CalAm - Suburban	3410010	1	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	$850,000
0	C	33792	San Juan Water District	3410021	3	Disinfection system does not have the necessary safety equipment. One-ton containers of liquid chlorine do not meet safety requirements for secondary containment.	Installation of a scrubber is the industry standard for protection against chlorine releases.	$300,000
0	C	35212	Golden State Water Company - Orcutt	4210016	1	MF Well 05 lacks needed reliability features for proper disinfection of the well water.	Replace the motor center and provide automatic controls.	$50,000
0	C	35212	Golden State Water Company - Orcutt	4210016	2	Evergreen Well 02 lacks needed reliability features for proper disinfection.	Provide controls for the well site.	$50,000
0	C	44708	CalAm - Lincoln Oaks	3410013	9	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	$1,000,000
0	C	54496	CALIFORNIA WATER SERVICE - LIVERMORE	110003	2	Improve disinfection reliability, so that it is compatible with Chloramine.	Install facilities to enable Chloramine disinfection of all system reservoirs (24) and purchase portable Chloramination equipment.	$980,000
0	C	67876	City of Pleasanton	110008	1	Unreliable disinfection facilities increased bacteriological count in the distribution system (DOHS Citation No. 02-04-95C-031) Chlorine residual have dropped below minimum parts of the system resulting in an increase in bacteriological counts.	Convert Pleasanton's chlorine injection facilities to chloramation.	$200,000
0	C	92870	City of Westminster	3010064	9	Lack of disinfection in system. Well 124 is out of service indefinitley due to red water complaints and positive coliform samples when tested.	Replace Well #124 (State Well #5) by drilling anew well to improve our water system pressure, volume and help maintain a constant State mandated chlorine residual for this area.	$1,000,000
0	C	92870	City of Westminster	3010064	7	Well#107- well casing's deterioration is causing production and water quality to decrease.Lack of disinfection in system due to the loss of well 107.	Replace Well #107 (State Well #5) by drilling a new well to improve our water system pressure volume and help maintain a constant State Mandated chlorine residual for this area.	$1,000,000

SRF Category **K**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	92870	City of Westminster	3010064	2	Lack of disinfection in system due to loss od well OC-2.Well casing is deterioration causing production and water quality to decrease.	Replace Well #107(State Well #5) by drilling a new well to improve our water system pressure, volumne and help maintain a constant State mandated chlorine residual for this area.	$1,000,000
0	C	92870	City of Westminster	3010064	4	Well #22- well casing is deteriorating causing production and water quality to decrease. Lack of disinfection in system due to the loss of well 22.	Replace Well #22 (State Well #5) by drilling a new well to improve our water system pressure, volume and help maintain a constant State mandated chlorine residual for this area.	$1,000,000
0	C	207157	GLENDALE-CITY, WATER DEPT.	1910043	1	NITRIFICATION PROBLEMS, INABILITY TO MAINTAIN DISINFECTANT RESIDUALS.	PROVIDE RELIABLY DISINFECTED WATER	$500,000
0	N	1	Caltrans, Brookside Rest Area	3301083	1	Hypochlorinator pump fails every two to three months.	Upgrade system.	$10,000
0	N	25	BIG OAKS LODGE	1900992	1	OCCASIONAL COLIFORMS. NO HOLDING TANK AND CHLORINATING SYSTEM.	BUILD A 5000 GAL. HOLDING TANK, DEEPEN THE WELL, INSTALL A LARGER PUMP, PRESSURE TANK, AND AN AUTOMATIC CHLORINATION SYSTEM.	$10,000
0	N	60	CAMP CISQUITO / LIVE AGAIN RECOVERY HOME	1900631	1	MANUALLY CHLORINATE RESERVOIR.	ADD AN AUTOMATED CHLORINATION SYSTEM AND MONITORING EQUIPMENTS	$10,000
0	N	120	CSP - Marconi Conference Center	2110304	1	Antiquated, unreliable chlorimation equipment.	Replace wood storage tank with 125,000 gallon concrete ground tank. Replace water lines from sprins and well to treatment facility.	$300,000
0	N	6000	Caltrans, Whitewater Rest Area	3301082	1	Hypochlorinator pump fails every two to three months.	Upgrade system.	$10,000
0	P	200	CAMP JONES GULCH	4100538	2	Treatment is not reliable.	Will develop a system's analysis to identify other options to simplify or change system.	$20,000

Total Projects for 'Category' = (69 Projects) **Total Costs for Category:** ***$32,711,750*** **Total Population served in Category:** ***2,019,383***

SRF Category L

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	60	Mount Taylor Mobile Home Park	4900822	1	high manganese exceeding secondary standard & health-based action level	either upgrade their treatment or consolidate with the City of Santa Rosa	$60,000
35	C	649	TUD - Mono Village Water System	5510019	2	The Mono Village water system was acquired by the Tuolumne Utilities District (TUD) in January of 2004 at the request of the Mono Village Mutual Water Company. It was determined by the Mono Village Mutual Water Company that it would be best that the TUD	This project involves the construction of a new six inch pipeline, 2050 feet in length, 750 lineal feet of ten inch pipeline and new valves. The existing surface water treatment plant will remain in service. The project includes the elimination of the e	$374,080
35	C	51504	City of Yuba City	5110002	14	Consolidation of Hillcrest Water Company and Yuba City water Utilities and construction of additional water treatment plant capacity. (see attached)	Acquisition of Hillcrest WC and Expand the Yuba City SWTP to serve the Hillcrest water region customers when new arsenic limits are adopted.	$30,000,000
30	C	6500	Pajaro Community Services District	2710020	3	Two systems total 1,000 connections, only one good well in each system.Iron, manganese contamination in Pajaro.Consolidation of two systems needed.	Pipeline to connect Pajaro to Sunny Mesa.Iron, Manganese water treatment facility at Pajaro well.Rehabilitation, lining and coating of Pajaro 600,000 gallon tank.	$3,000,000
25	C	887	City of Dorris	4710001	1	The City is currently served by one good well which must be pumped in excess of 21 hours per day to meet peak day demands. The back-up well carries sand into the distribution system, and has other water quality issues including Nitrates, Color, Odor, Ars	The City will drill a well at sufficient depth of an estimated 1500 feet to provide a safe, quality water supply. A pump will be installed with sufficient capacity for the Citys use along with the pipe and valve system to connect the Citys water syst	$500,000
25	C	927	CWS - UPPER BODFISH WATER SYSTEM	1510026	1	WELL EXCEEDS EXCEEDS TOTAL ALPHA AND URANIUM MCL	DRILL AND EQUIP A NEW WELL AND/OR INSTALL TREATMENT FACILITIES SUCH AS AERATION AND NANO-FILTRATION AT EXISTING FACILITIES. OTHER - DESIGN AND CONSTRUCTION	$300,000
25	C	1500	Pratt Mutual Water Co	5410033	3	Nitrate MCL violation in water produced by Well 2, which is needed to meet demand.	Drill new well	$1,750,875
25	C	3063	AMARILLO MUTUAL WATER COMPANY	1910002	1	Water from 800 gpm well for population of 3000 has PCE/TCE at times above MCL.	Treat water with air-stripper.	$300,000
25	C	3643	CITY OF BISHOP	1410001	1		City of Bishop's Well 1 cannot be used as a source of drinking water due to its high levels Fluoride, which exceed its MCL. For this reason, Well 1 is regarded as a stand-by well by California Department of Health Services (CDHS). Well 1 also has high l	$619,000
25	C	3643	CITY OF BISHOP	1410001	2	The City of Bishop owns and operates three wells from which it supplies water to its customers; Well 1, Well 2 and Well 4. Fluoride levels at Well 1 exceed its respective MCL. For this reason Well 1 can only be used as a stand-by well for a limited dur	The City of Bishop wants to build a new well on City owned property. The new well will be built to serve as a back up well when either of the two main wells (Well 2 and Well 4) fails. A Request for Proposals for the Environmental Impact Report was relea	$2,403,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	4198	Coachella VWD: I.D. NO. 11	1310011	3	Water quality is poor in terms of TDS and fluoride levels approaching the MCL. The ground water is declining at a rate of 6 feet per year.	Drill new well sites north of the existing ID # 11 well field. Future ID # 11 wells to provide water to the existing 1310017	$2,000,000
25	C	4198	Coachella VWD: I.D. NO. 11	1310011	1		Install 13 miles of transmission line from the Valerte Jean area adjacent to the existing Highway 86 south to the county line and connect to the existing 1310017	$4,000,000
25	C	12058	PARLIER, CITY OF	1010025	1	Well No. 4A exceeds the DBCP MCL.	Install wellhead treatment facilities to remove DBCP.	$400,000
25	C	28000	BELLFLOWER - SOMERSET MWC	1910013	1	Well contaminated with TCE and manganese. Two other wells are vulnerable to TCE contamination.	Design and construct replacement wells.	$1,000,000
25	C	51467	Porterville, City of	5410010	8	Well L-4 exceeds the nitrate MCL and is shut off. The well produces about 600-gpm.	Design and construct wellhead treatment facilities.	$800,000
25	C	51467	Porterville, City of	5410010	9	Well L-6 exceeds nitrate MCL and is shut off.	Design and construct wellhead treatment facilities.	$725,000
25	C	51467	Porterville, City of	5410010	6	Wells 2 and 21 (1,500 gpm) are shut down because of nitrates that exceed the MCL. The City is water short and therefore plans to construct a 1,500-gpm surface water treatment plant.	Design/construct a 1,500-gpm membrane filtration plant and blend the treated water with Wells 2 and 21. This will result in 3,000 gpm of usable water. The wells are located near the proposed water treatment plant site.	$4,500,000
25	C	157394	City of Stockton	3910012	7	Arsenic concentration exceeds MCL.	Install ion exchange treatment for arsenic removal.	$1,200,000
25	C	157394	City of Stockton	3910012	4	Arsenic concentration in six City wells requires treatment.	Install wellhead treatment to remove arsenic from six wells.	$2,700,000
25	P	75	AERA ENERGY LLC WS	2701187	1	Exceeded lead and copper action levels	Consolidate with Ambler Park Water System (2710006)	$80,000
25	P	90	EDNA BEAMAN ELEMENTARY SCHOOL	2600568	1	Uranium in source water	Drill new well	$150,000
20	C	50	SCHWEIKART WATER SYSTEM	1502545	1	DBCP EXCEEDS MCL; as of 1/2000 source meets DBCP MCL and was reranked to L	RUN 2 MILES OF 12" MAINLINE AND CONSOLIDATE TO VAUGHN WATER COMPANY. OTHER - DESIGN AND CONSTRUCTION	$260,000
20	C	50	SOLANO VERDE MUTUAL WATER CO	5602130	1	Well has nitrate failure along with iron & manganese and turbidity problems Standby Well.	Construct a water line to import water from Callegaus MWD.	$1,600,000
20	C	220	MUSTANG MUTUAL WATER SYSTEM	1500555	1	DBCP AND EDB > MCL; as of 1/2000 source meets DBCP and EDB MCL; reranked to L	WATER TREATMENT OR CONNECT TO ANOTHER SYSTEM	$200,000
20	C	320	VISTA GRANDE WATER SYSTEM	5200012	1	The "Round Up" Well has historically had nitrate results just below, at, or just over the MCL of 45 mg/l. This well needs to be replaced.	Construct new well.	$20,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	364	Del Oro Water Co. (for. Country Estates)	1500314	1	Existing water supply system does not meet the 1500 mg/l upper secodary drinking water standard for total dissolved solids.	Construct multi piezometer monitoring well, construct and equip a new well based on W/Q results from the monitoring well	$600,000
20	C	600	Casa Loma Water Co, Inc.	1510004	1	PCE exceeds MCL in one of two system wells. Well is needed to meet demand. Public notification conducted per Compliance Order.	Construct new well or connect to California Water Service-Bakersfield	$500,000
20	C	870	Golden State Water-Mor Del Norte	3600270	1	Uranium approaching MCL	Construct treatment facilities	$150,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	5	NEEDED IMPROVEMENTS FOR FIRE FLOW AND SUPPLEMENTAL SUPPLY DUE TO DBCP CONTAMINATION OF WELL NO. 4 THAT EXCEEDS THE MCL.	NEW WELL NO. 6 DESIGNED TO DBCP AVOID CONTAMINATION	$92,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	7	Standby Well No. 5 exceeds the DBCP MCL.	Install treatment facilities to remove DBCP from Well No. 5.	$500,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	6	Well No. 3 exceeds the nitrate MCL.	Install nitrate removal treatment for Well No. 3.	$500,000
20	C	1266	Buttonwillow CWD	1510011	4	The Buttonwillow County Water Districts well #1 has been taken out of service due to high levels of Total Dissolved Solids (TDS) of 1,100 ppm vs the MCL of 500-1,000-1,500 ppm, Turbidity of 5.0 NTU vs 4.0 NTU, Sulfate of 310 ppm vs an MCL of 250-500-600	The rural, low-income, farmworker community of Buttonwillow (Median Household Income of $28,370) must replace a community well that is contaminated with Iron, Manganese, TDS and Conductivity above the State and Federal Maximum Contaminant Level (MCL) Con	$700,000
20	C	2488	Northern Calif Youth Corr. Center	3910802	1	CONTAMINATED GROUNDWATER IN AREA AND SOME WATER QUALITY PROBLEMS.	ESTABLISH CONNECTION WITH CITY OF STOCKTON OTHER = DESIGN AND CONSTRUCTION	$780,000
20	C	7598	Coachella VWD: I.D. NO. 10	3310063	2	Data from wells in this area show an average arsenic level in the groundwater of 13 ppb, which exceeds the anticipated arsenic MCL of 10 ppb.	Replace groundwater wells with a canal water treatment system to treat canal water to drinking water standards in order to serve to customers for potable water purposes. (Install a surface water treatment plant.)	$5,000,000
20	C	12138	City of McFarland	1510013	1	A) Large diameter system main line extensions to eliminate small diameter customer lines, extending long distances. B) Lack of water/power to emergency situations	A) Eliminate low volumes and possible bacteriological problems. B) Portable electric generator to restore water service during power outages.	$211,000
20	C	12628	Cal-Water Service Co.-Marysville	5810001	1	The Water Company wants to construct a treatment plant to treat water from four of their wells for arsenic if the arsenic MCL is lowered as proposed.	Design and construct a 1.0 MGD treatment plant to address the production problems of these wells.	$750,000
20	C	24496	BALDY MESA CWD - Inactive	3610010	2	Cannot meet EPA's proposed MCLs for Arsenic and Radon	Construct treatment plant to treat water from California Aqueduct	$20,500,000
20	C	51467	Porterville, City of	5410010	11	Well 12 produces water containing PCE that exceeds the MCL of 5 ppb.	To equip the well with wellhead treatment facilities, either GAC or airstripping.	$650,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	51467	Porterville, City of	5410010	10	Well 10 produces water containing PCE that exceeds the MCL of 5 ppb.	To equip the well with wellhead treatment facilities, either GAC or airstripping.	$650,000
15	C	150	Hawkins Water Co-Cal Water Service (PUC)	4900546	1	Fe and Mn exceed standard; organic contaminants; arsenic near MCL	ATEC treatment for Fe and Mn; new backwash and pressure tanks	$499,000
15	C	350	WILLOW MOBILE HOME PARK	707613	1	The District's Reverse Osmosis (RO) water treatment facility has deteriorated over the years and no longer meets OSHA standards. Reliability of the system has also decreased over time. This has resulted in call outs during the night and a high level of at	1. New Containerized RO Water Treatment PlantA new containerized RO Water Treatment Plant (WTP) will be constructed to replace the existing building and treatment facilities. This will essentially provide a new plant, using the existing filters.2. Seismi	$1,101,000
15	C	1500	San Miguel Community Services District	4010010	1	Water system needs to comply with radiological MCLs at all times	Study to determine source of problem, design & construct solution (treatment or new well)	$500,000
15	C	1500	San Miguel Community Services District	4010010	2	Standby WATER WELL CONTAMINATION AND TRANSMISSION LINE REPLACEMENT	DEVELOP NEW WELL AND CONSTRUCT 1,000 LINEAR FEEY OF 16" TRANSMISSION LINE	$385,000
15	C	7600	OCEANO COMM SERVICES DIST.	4010005	2	Well #6 production dropped by 50%.Well 4 and 5 produce water with high selenium and blend	Drill a new well and rehabilitate Well #6	$1,025,800
15	C	8538	BAKMAN WATER COMPANY	1010001	3	We would like to blend Well # 6 with Well #15 to reduce the level of Nitrate. The last testing of Well # 6 was 83 mg/L, the MCL for this chemical is 45 mg/L.	We would like to blend Well # 6 with Well #15. Well #6 is locted off of Olive on Minnewawa and Well # 15 is located on Olive approx. 500 yards from each other. We would intall a pipeline to connect the two wells. Installation of a pulse output transmitter	$80,000
15	C	8538	BAKMAN WATER COMPANY	1010001	4	We have two wells that exceed the DBCP 0.2 ug/L MCL. Well # 13 test reflect a 0.67 ug/L and Well # 8 reflect a 0.90 ug/L.	We would like to install two Model 10 Adsorption Systems. One system will be on Well #13 and the other will be on Well #8. The system consists of two ten feet diameter, ASME pressure vessels that contain 20,000 pounds of virgin GAC each. Each location wi	$750,000
15	C	14154	SCWA Mather-Sunrise	3410704	7	Standby well Contaminated with VOC's.	Design and construct new well.	$250,000
15	C	28100	ATWATER, CITY OF	2410001	1	WELL NO. 10 EXCEEDS THE EDB MCL AND WELL NO. 20 EXCEEDS THE MANGANESE MCL.	CONSTRUCT A TEST WELL AND PRODUCTION WELL TO REPLACE WELL NO. 10 AND PERFORM REMEDIATION WORK ON WELL NO. 20.	$605,200
15	C	29720	California Water Service - San Carlos	4110007	1	System meets existing trihalomethane MCL, but not DBP Rule.	Install facilities to enable chloramine disinfection of all systems reservoirs (22) and purchase portable chlorination equipment.	$900,000
15	C	35211	LOS BANOS-CITY	2410005	1	Violate primary standard for uranium in Well 8	Construct IX treatment system for uranium	$600,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	7	Well in violation of future radon MCL	Drill new replacement well	$450,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	8	Anticipated violation of radon MCL for four wells	Review treatment options, construct treatment facilities	$750,000
15	C	44174	San Luis Obispo Water Department	4010009	2	Wells exceed nitrate MCL. Standby well	Construct nitrate removal treatment facility and carbon filtration system for PCE removal	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	1	Seven (7) wells were taken out of service due to MTBE contamination. This is 71% of local water supply.	Perform investigation to define extent of contamination, source of contaminants, remediation, and potential treatment technologies. Project involves: Study, Design, and Construction.	$5,000,000
15	P	200	Salmon Creek Middle School	4901168	1	Severe iron concentrations from well and old treatment plant becoming unable to properly treat water	Upgrade treatment facilities	$50,000
10	C	0	LOPEZ PROJECT	4010022	4	Water Treatment needs upgrades to meet proposed chemical and/or physical MCLs	Study & develop an enhanced coagulation program designed to achieve DBPR compliance	$100,000
10	C	0	UNITED WTR CONS DIST	5610046	3	Sulfate levels which exceed the proposed MCL and/or action levels.	Construct RO plant at El Rio facility, 25 mgd.	$18,500,000
10	C	0	UNITED WTR CONS DIST	5610046	4	Wells exceed nitrate MCL at times. Well is blended with other sources.	Design and construct a skid mounted nitrate removal plant for one well for blending.	$1,500,000
10	C	80	OASIS PROPERTY OWNERS ASSOCIATION	1500585	4	Nitrate in excess of MCL in standby well.	Treatment or consolidation with neighboring water system.	$1,000,000
10	C	150	Cal 20 Village	1700595	1	The DPH inspected the Cal 20 Village system in August 2007 and on September 10, 2007 sent a letter to Cal 20 signed by Bruce Burton, PE. The letter requires Cal 20 to provide an acceptable standby water supply, to address treatment deficiencies, increas	The DPH inspected the Cal 20 Village system in August 2007 and on September 10, 2007 sent a letter to Cal 20 signed by Bruce Burton, PE. The letter requires Cal 20 to provide an acceptable standby water supply, to address treatment deficiencies, increas	$655,000
10	C	1700	WARRING WATER SERVICE INC	5610021	1	Well No. 3 needs to comply with proposed MCL or Action level for sulfates.	Drill a replacement well.	$150,000
10	C	2240	GOLDEN STATE WATER CO - APPLE VLY NORTH	3610105	1	Inadequate storage per WW Stds,	Construct intertie to increase source capacity	$120,000
10	C	2348	FRAZIER PARK PUD	1510007	4	The Frazier Park Public Utility District's Monte Vista Well is contaminated with Fluorides in excess of the State Maximim Contaminant Level (MCL) of 2 ppm. This well has Fluoride levels of 2.2 ppm. This shallow (165' deep) well is in the floodplain and	The design and construction of a test well/new community well with pumps, storage and pipelines to connect to the existing water system. The new well will provide clean water. The old well will be abandoned. The Frazier Park Public Utility District is	$700,000
10	C	5302	Calistoga, City of	2810002	6	Fiege Canyon well site has high arsenic levels which will not meet future proposed MCL.	Improve mixing and filtration; add coagulant system.	$200,000
10	C	16571	ANTELOPE VALLEY E KERN WTR AGY	1510053	3	CONTROL FUTURE THM'S WHILE ACHIEVING REQUIRED CT	INSTALL AMMONIA FEED SYSTEMS AT ONE WATER TREATMENT PLANT	$187,500
10	C	171777	California Water Service - Stockton	3910001	1	ARSENIC ABOVE THE ANTICIPATED FUTURE MCL	DESIGN AND CONSTRUCT A S MGD TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION	$2,600,000
10	C	457514	City of Sacramento	3410020	27	Arsenic levels at Well 164 exceed the new MCL	Project will study treatment methodologies, then design, construct/purchase, and install treatment system at well site.	$400,000
10	P	95	CAPTAIN COOPER SCHOOL WS	2702322	5	Exceeded lead or copper action levels.	Install a corrosion control treatment unit.	$80,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	P	400	ECHO VALLEY SCHOOL WS	2700552	1	Exceeded lead or copper action levels.	Install a corrosion control treatment unit.	$80,000
5	C	200	RANCHO SAN ANDREAS	4400660	2	High nitrates in source water in excess of MCL.	Properly destroy abandoned well in vicinity of source. Design and construct nitrate removal treatment system.	$100,000
5	C	582	ARROWBEAR PARK CWD	3610110	2	High Radon in source water	Construct treatment facility	$350,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	12	High Radon in several sources	Construct treatment facilities	$140,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	6	Water well 02 had Arsenic level @ 14 ug/L. Size of the well can not accommodate any treatment facility	Destroy existing well and construct a new replacement well with arsenic treatment facility	$2,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	6	Well B5B shut down due to VOC and NDMA contamination	Construct treatment facility to remove VOCs and NDMA	$15,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	8	Wells 8B, 8C, and 8D contaminated with VOCs over the Maximum contaminant level	Construct treatment facility to remove VOCs	$1,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	7	Well G4A contaminated with VOCs over half the maximum contaminant level	Construct treatment facility to remove VOCs	$1,200,000
5	P	39	BRADLEY UNION SCHOOL WS	2700964	1	Exceeded lead or copper action levels.	Install a corrosion control treatment unit.	$80,000
0	C	0	SAN BERNARDINO VALLEY WD	3610019	1	TCE, PCE and nitrate contamination in basin	Basin wide treatment and distribution facilities	$20,000,000
0	C	0	Santa Clara Valley Water District	4310027	3	Stage I DDBP compliance needed.	Need to change the current treatment to one using ferric chloride as the primary coagulant.	$7,400,000
0	C	0	Santa Clara Valley Water District	4310027	2	Stage II DDBP compliance needed.	Solution to the problem requires the construction of a settled water ozone system using LOX as feed gas and sulfuric acid and hydrogen peroxide for bromate control, with fine bubble diffusion ozone contactors followed by GAC filtration.	$58,000,000
0	C	0	COVINA IRRIGATION CO.	1910128	2	INABILITY TO COMPLY WITH FUTURE D/DBP RULE USING CHLORINE AS PRIMARY DISINFECTANT	CONVERSION TO OZONE SYSTEM	$1,000,000
0	C	35	MITCHELL S AVENUE E MOBILE HOME PARK	1900785	2	I have one well on the property which is now exceeding Arsenic levels. The well is probably 50 plus years old. This is the sole source of water, as there is no county water available in my area.	To be determined by an engineering study. Possibly a new well, filtering or blending.	$250,000
0	C	40	FRONTIER TRAIL HOMEOWNERS ASSOC, INC.	1500398	2	Frontier Trails currently owns a "grandfathered" Stand-by well for emergency water distribution. The well is within 75 feet of the Kern River at a depth of 40 feet. Regulations indicate that the wells' location, it's turbidity levels and the effects of su	Frontier Trails "Stand-by" water well is too near the Kern River. The wells water tests reflect the effects of surface water and its turbidity levels are above acceptable standards. Frontier Trails property is such that we cannot relocate the well to acce	$55,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	75	RANCHO MARINA	3400149	2	Current water source is secure. The project will address a facility to treat increased levels of iron and manganese and arsenic. A secondary funding need is to rebuild and secure the treatment facility enclosure.	There is an exisiting treatment facility that treats iron and manganese. The facility must be altered to increase filtering capacity for removal of iron and manganese. The facility also has been monitored and proven to reduce arsenic levels in the raw	$30,000
0	C	96	C.C.W.D. Sheep Ranch	510004	1	Current plant has reached capacity, has difficulty treating high turbidity waters and cannot meet proposed DBP regulations.	Replace mixed media filtration with membrane filter. Modify disingection to use ozone or UV as primary disinfectant.	$640,000
0	C	98	Union Heights MWC	3500825	1	Well water exceeds the nitrate MCL	Refurbish existing well or replace with new well	$60,000
0	C	100	SPINDRIFT MARINA	3400169	2	Arsenic appears to be above the MCL in the source water	Determine if the exisitng oxidation filtration system is adequate to remove arsenic from the water. Prepare a detailed technical report, and operations plan. Install a totalizing flowmeter, conduct water monitoring on the treated side of the existing syst	$25,000
0	C	150	VIEIRA S RESORT INC	3400164	1	It appears that the source water will exceed the federal arsenic mcl when testing is completed. All three wells exceed the mcl for manganese.	A new source may be needed for adequate water supply but all three existing wells seem to be testing at the same level for arsenic and manganese. Therefore, a new source would most likely have similar water quality. The removal of arsenic and manganese w	$100,000
0	C	380	PLEASANTIMES MUTUAL WATER CO	707576	2	High Maganese content in the water.	Treatment	$100,000
0	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	11	Existing standby well high in nitrates, has to purchase water from Wholesaler which is expensive	Drill a new well in the area to replave the high nitrate well	$150,000
0	C	584	MAR VISTA WATER COMPANY INC	4400502	1	High manganese in well. 2005 Update: Mn concentration exceeds Notification Level.	Construct new well.	$150,000
0	C	584	MAR VISTA WATER COMPANY INC	4400502	5	This well was drilled in 1934 on a dedicated parcel of the Forest Glen subdivision. It was sole water source for Mar Vista Water Company (MVWC) for at least 40 years until Meadow Ranch subdivision, with its own well, was added to the company in 1987. Al	Contract for engineering services to determine best-value facility for re-charge slurry removal and disposal. Design manganese removal facility and re-charge slurry handling system.Procure and install manganese removal system and re-charge slurry handlin	$90,000
0	C	600	San Francisco Regional Water System	3810001	52	HH treatment will not meet new DBP rules.	Convert system disinfectant to chloramines. Construct dechloramination facilities for discharge to the environment.	$750,000
0	C	600	San Francisco Regional Water System	3810001	51		Convert system disinfectant to chloramines. Construct dechloramination facilities for discharges to the environment.	$32,345,000
0	C	600	San Francisco Regional Water System	3810001	74	HH supply may not meet new DBP regulations.	Convert system disinfectant to chloramines. Construct dechloration facilities for discharge to the environment.	$2,700,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	870	Descanso Community WD	3710009	2	Source water iron and manganese exceeds MCL.	Design and installation of 150 gpm capacity iron/manganese filtration facilities at each of two well sites.	$500,000
0	C	900	MALAGA COUNTY WATER DISTRICT	1010042	8	Water quality from Well No. 3 exceeds the maximum contaminant level (MCL) for DBCP as defined in Section 64445.1 (c)(5)(B) of Title 22, California Code of Regulations. The MCL is 0.2 and the well produces water in concentrations that exceed 0.3 microgm/l	The project consists of acquiring a new well site, drilling a test well, design and construction of new well, connection to the water distribution system, and abandonment of Well No. 3.	$1,740,000
0	C	900	MALAGA COUNTY WATER DISTRICT	1010042	9	Water quality from Well No. 5 exceeds the maximum contaminant level for DBCP as defined in Section 64445.1 (c)(5)(B) of Title 22, California Code of Regulations. The MCL is 0.2 microgm/l (ppb) and the well produces water in concentrations of 0.62 microgm	The project consists of acquiring a new well site, drilling a test well, design and construction of a new well, connection to the water distribution system, and abandonment of Well No. 5.	$1,740,000
0	C	1200	CALIFORNIA DOMESTIC WATER COMPANY	1910199	4	Carbon tetrachloride contamination exceeding MCL in Wells Nos. 3, 6, and 14 (5000 gpm each)	Install VOC removal system - Air Stripping Tower with GAC off gas treatment system	$1,500,000
0	C	1200	CALIFORNIA DOMESTIC WATER COMPANY	1910199	3	NDMA contamination exceeding the AL in Well No. 14	Design and construct a 5000 gpm UV well head treatment facility	$5,000,000
0	C	1500	Pine Valley Mutual WC	3710039	5	Wells produce water high in radon and may not meet proposed radon regulations.	Treatment facilities for removal of radon gas from drinking water.	$1,000,000
0	C	1700	LE GRAND COMM SERVICES DIST	2410011	3	The water from two of the Districts three wells exceed the MCL of 10 ppb for arsenic.	The District intends to install well head treatment at two well sites for the removal of arsenic.	$1,750,000
0	C	2716	GOLDEN STATE WATER CO - MORONGO DEL SUR	3610063	1	Uranium approaching MCL	Construct treatment facilities	$250,000
0	C	4900	LA CUMBRE MUTUAL WATER CO	4210024	1	Our groundwater wells exceed the iron & Manganese SMCL. The well areintended to offset our State Water allocation. Half of our customers aregetting this water. We need to treat this water with oxidation followedby filtration. We have hired a consultant t	Pressurized media filter, operator control room, chemical feed equipmentbackwash pumps, reclaim pumps water quality monitoring instrumentsreclaim tank, piping, control valves, SCADA equipment. the facility will be located at our maintenance yard owned by	$1,000,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	10	Wells exceed Fe & Mn secondary MCLs and aesthetic complaints from consumers	Install Fe & Mn TP.	$1,000,000
0	C	5412	Montara Water and Sanitary District	4110010	25	1,2,3-TCP contamination	Treatment of 2 Airport Wells	$250,000
0	C	5500	VALENCIA HEIGHTS WATER CO.	1910163	2	Nitrate above MCL in all domestic wells. Possible loss of source of blending water within two years.	Install nitrate removal facility.	$1,000,000
0	C	7120	WESTERN HEIGHTS WATER COMPANY	3610053	2	Two standby wells with nitrate levels above the MCL need blending treatment	Construct a 2-million gallon reservoir to blend two standby wells	$750,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	7500	LA PUENTE VALLEY CWD	1910060	2	Wells 2, 3 & 4 contaminated with perchlorate in excess of 18 ppb causing the District to purchase expensive water from outside agencies.	Design and construction of a 3000 gpm Perchlorate treatment facility when treatment technology becomes available. Project involves: Design to solve problem and Construction	$750,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	5	Well 3 exceeds nitrate MCL. Standby Well	Drill 3 test holes and convert one into production well	$500,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	8	Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) serves a population of 8,298. It also provides water to the City of Solvang with a population of 5,322 and serves water on a stand-by basis to Rancho Marcelino Mutual Water Company	Santa Ynez Water Conservation District, Improvement District No 1's (ID#1) project is the reactivation of existing Well #3 with nitrate removal treatment as determined through best engineering planning and practices.	$1,200,000
0	C	12058	PARLIER, CITY OF	1010025	3	The City currently has sufficient water supply and distribution when all wells are online. The problem comes when some wells must be shut down because of elevated DBCP levels. The DBCP levels range from .22 - .41. The current State Maximum Contaminant	The City is adding an additional well and a storage tank to meet peak demands and fire flow. The problem comes when some wells must be shut down because of elevated DBCP levels. The DBCP levels range from .22 - .41. The current State Maximum Contamin	$1,200,000
0	C	13248	GROVER BEACH WATER DEPARTMENT	4010004	5	Nitrate removal treatment plant needs upgrades to comply with the nitrate MCL.	Replace unit with new Chemscan UV-3100 and process analyzer	$30,000
0	C	13248	GROVER BEACH WATER DEPARTMENT	4010004	4	Nitrate removal TP needs upgrades to comply with the nitrate MCL.	Repair/replace mechanical and central system components	$300,000
0	C	13248	GROVER BEACH WATER DEPARTMENT	4010004	3		Sandblast/remove damaged paint and corrosion, then apply new coating system	$35,000
0	C	13248	GROVER BEACH WATER DEPARTMENT	4010004	2	Nitrate removal treatment plant needs upgrades to comply with nitrate MCL.	Replace computer and software monitoring and control system	$20,000
0	C	15000	QUARTZ HILL WATER DIST.	1910130	2	Do to the EPA lowering the MCL for Arsenic on the 23rd day of January 2006 Quartz Hill Water District has had to suspend use of Well 6a due to high levels of arsenic being detected in the water. Several alternative blending plans have been implemented in	Quartz Hill Water District is planning on partially abandoning Well 6a. The planned start date for this project is fall of 2007. According to Los Angeles County Water Works District 40, the aforementioned process takes approximately two weeks to complete.	$65,000
0	C	17500	Orange Vale Water Company	3410016	2	The Orange Vale Water Company (OVWC) is located in northeast Sacramento County, encompasses approximately 4.8 square miles and serves approximately 17,500 customers. OVWC now receives 100% of their supply from surface water supplies through its parent wh	The project will provide up to 2,000 AFY of reliable water supply for the OVWC and will play an important role in the Regional Water Authority's and San Juan Water District's dry year plans by creating the possibility of forgoing portions of its surface w	$850,000
0	C	25824	City of South Pasadena	1910154	3	The groundwater pumped from Graves Well, standby well, is contaminated with nitrate level in excess of the MCL of 45 mg/L.	Install denitrification system. Design and construct.	$1,800,000
0	C	25824	City of South Pasadena	1910154	8	Standby wells contaminated with nitrate and PCE are blended to meet the SDWA MCL's (Well field at the Wilson Facility).	Design and construct water treatment facility to remove increasing levels of PCE and nitrate from pumped ground water.	$4,500,000

SRF Category L

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	25824	City of South Pasadena	1910154	7	Standby Wilson Well No. 2 is contaminated with nitrate (75 ppm) and PCE (13 ppb).	Rehabilitate well to isolate contaminated zones in the aquifer and install denitrification system. Project involves: Design, and Construction	$350,000
0	C	28000	City of Benicia	4810001	6	Disinfection process will result in exceedance of DBP standards.	Design and construct ozone facilities at the Water Treatment Plant.	$4,700,000
0	C	28000	City of Benicia	4810001	7	Sludge lagoon improvements needed to meet DBP requirements.	Design and construct two new sludge lagoons near the washwater recovery basin, a small recycle basin and pump station.	$600,000
0	C	28000	City of Benicia	4810001	5	DBP compliance requires use of chloramines and additional Ct.	Installation of hypalon "curtains" inside of reservoirs to baffle the flow.	$245,000
0	C	40000	Carmichael Water District	3410004	8	To date, five of the eight Carmichael Water District (District) groundwater supply wells have been impacted by contamination from multiple sources, primarily perchlorate and Tetrachlorethylene (PCE). Other contaminants, including n-nitrosodimethylamine (N	This project will include planning, design, permitting, environmental compliance, and construction of replacement of Carmichael Water District's (District) existing aging La Vista groundwater well, storage tank, and booster pump station facility. The new	$5,000,000
0	C	45000	VERNON-CITY, WATER DEPT.	1910167	1	Well 14 needs rehabilitation and has significant corrosion and damage to the perforations. Also, water analysis has determined that this facility exceeds the secondary standards for iron and manganese and may require treatment to alleviate these problems.	Provide rehabilitation of Well 14 and a new casing to prevent sanding. Construct a treatment plant with greensand and anthracite filter vessels (8 ft x 45 ft horizontal pressure tanks) and a chemical feed system.	$661,000
0	C	56110	California Water Service-S San Francisco	4110009	1	System meets existing trihalomethane MCL, but not but not DBP Rule.	INSTALL FACILITIES TO ENABLE CHLORAMINE DISINFECTION OF ALL SYSTEM RESERVOIRS (13) AND PURCHASE PORTABLE CHLORINATION EQUIPMENT.	$540,000
0	C	57950	CWSC Los Altos Suburban	4310001	3	Need disinfection improvements to meet DBP rule.	Install facilities to enable chloramine disinfection of all system wells.	$860,000
0	C	60000	South Tahoe PUD - Main	910002	2	The problem to be addressed is arsenic concentrations at South Tahoe Public Utility District's 500 gpm producing Airport Well. Water quality measured over the last several years indicates that groundwater at STPUD Airport Well has arsenic concentrations t	The project is a 500-gallon per minute (gpm) arsenic treatment facility for the South Tahoe Public Utility District (District) to treat groundwater from the existing Airport Well. The design basis for the facility will be based on pilot testing results, a	$1,005,000
0	C	65000	CASITAS MUNICIPAL WATER DIST	5610024	4	Disinfection By-Products (TTHMs & HAA5) do not comply with the trigger levels of DBPRule.	Addition of treatment process to the existing pressure filtration TP.	$1,500,000
0	C	66470	California Water Service - Bear Gulch	4110006	2	System meets existing trihalomethane MCL, but not DBP Rule	Install facilities to enable chloramine disinfection of 23 Reservoirs and treatment plant, puchase portable chlorination.	$1,020,000
0	C	92350	California Water Service - San Mateo	4110008	1	System meets existing trihalomethane MCL, but not DBP Rule.	Install facilities to enable chloramine disinfection of all systems reservoirs (19) and purchase portable chlorination equipment.	$780,000

SRF Category L

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	94370	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	5	Inability to comply with Primary and Secondary Water Quality Standards using the current treatment scheme at the Ortega Groundwater Treatment PlantThe City of Santa Barbara owns and operates the Ortega Groundwater Treatment Plant (OGTP), which treats gr	Ortega Groundwater Treatment Plant and Well Rehabilitation ProjectThe City contracted with an engineering design firm specializing in water treatment to investigate treatment solutions for OGTP. In August 2006, the design firm completed a four-month lo	$12,323,885
0	C	138717	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	2	CONTROL THMS WHILE ACHIEVING REQUIRED CT	INSTALL AMMONIA FEED SYSTEMS AT THREE WATER TREATMENT PLANTS	$562,500
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	20	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-50 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$1,000,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	26		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-52 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for a	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	17		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-48 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$1,650,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	29		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-62 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$640,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	24		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-43 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$640,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	18		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-67 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000

SRF Category L

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	15		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-68 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	21		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-13 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$640,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	13		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-Fox to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$640,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	16		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-49 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$1,650,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	11		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-37 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	22		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-17 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$640,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	14		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-26 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	23		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-42 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for a	$640,000

SRF Category L

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	19	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-51 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	12		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-36 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$820,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	27		This project is to construct a new well, Well No. 4-83, to replace Well No. 4-9. The new well will produce approximately 800 GPM and will be properly constructed to avoid penetrating the blue clay zone in the aquifers that contains high arsenic levels.	$1,247,000
0	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	25	Well F23A is a critical production well that produces 2,500 gpm in the south portion of the Fontana Water Company service area. The well has been impacted by perchlorate with an historic high of 6.0 ppb. The Department of Public Health has established a	Plant F23 occupies an approximately 1-acre lot on Boyle Avenue between Citrus and Catawba Avenues about one block south of the I-10 Freeway in the City of Fontana. The plant is located in the south central portion of the Fontana Water Company service are	$856,100
0	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	24	Well F26A is a critical production well in the north east portion of the Fontana Water Company service area that produces approximately 2,000 gpm. The well has been impacted by perchlorate with an historic high of 6.0 ppb. The Department of Public Healt	Plant F26 occupies an approximately 0.50-acre lot on Micallef Street between Sierra and Mango. The proposed project will consist of grading and site work to provide a well-draining site with appropriate Stormwater treatment facilities and the construction	$1,500,000
0	C	998000	San Jose Water Company	4310011	8	Stage II DDBP rule compliance needed.	Evaluate, design, and construct required facilities for reducing THM's	$8,000,000
0	C	1300000	East Bay MUD	110005	1	Construction of new facilities to meet new DBP Rule.	New chemical feed, storage and control facilities additional filtration capacity and washwater solids handling improvements at Walnut Creek WTP.	$29,840,000
0	C	1300000	East Bay MUD	110005	17	Water Treatment Chlorination to meet new DBP Rule improvements.	Conversion at WTP's from disinfection by free chlorine to chloramines.	$10,734,000
0	P	37	FULL CIRCLE PROGRAMS, INC.	2100575	2	Exceeds Copper level.	Install Hydrotech 100 gpd TFC Reverse Osmosis System with Pre-Filters and Post Filters, Storage tank.	$10,000
0	P	250	WASHINGTON SCHOOL WS	2701221	1	Exceeded lead or copper action levels	Install a corrosion control treatmetn unit	$80,000
0	P	250	CENTRAL BAY HIGH SCHOOL WS	2702490	1	Exceeded lead or copper action level	Install a corrosion control treatment unit.	$80,000

SRF Category **L**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	260	SIERRA ENTERPRISE ELEMENTARY SCHOOL	3400251	1	The Elk Grove Unified School District is required to drill a new well at this site due to the existing well not meeting the requirements of the County of Sacramento Environmental Management Department.	Installation of new Well	$50,000
0	P	300	WALNUT GROVE ELEMENTARY SCHOOL	3400268	2	The arsenic problem at Walnut Grove Elementary School is an ongoing concern. The water system is 70 years old and was installed when the school was built in 1938.The well is 87 feet deep and delivers water through a 4' galvanized pipe. The well capacity	This project is a feasibility study designed to address questions the River Delta School District has about providing clean and arsenic free water for the students of Walnut Grove Elementary School.An outline of the study shows first, an in-depth analysis	$25,000
0	P	300	OUR LADY OF FATIMA SCHOOL - Holy Family	1909007	1	Current well exceeds Arsenic standard. We have no other supply.	We would like to connect to a nearby water supply or drill a new well that meets the arsenic standard. The project scope will be determined by best engineering practices.	$250,000
0	P	575	MOSS LANDING SCHOOL WS	2700598	1	Exceeded lead or copper action levels	Install a corrosion control treatment unit.	$80,000

Total Projects for 'Category' = (163 Projects) **Total Costs for Category:** ***$399,967,940*** **Total Population served in Category:** ***9,674,983***

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	60	WATERTEK-METROPOLITAN	1000057	1	THE SYSTEM LACKS ADEQUATE SOURCE RELIABILITY.	CONNECT TO THE CITY OF FRESNO.	$25,000
45	C	65	Center Water Co	3600070	2		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	$5,000,000
45	C	65	Center Water Co	3600070	1		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	$3,700,000
45	C	84	LAZY CORRAL MOBILE HOME PARK	5200516	2	Low volume and pressure	Connect to Corning City Water System	$180,000
45	C	84	LAZY CORRAL MOBILE HOME PARK	5200516	1	Occasional presence of coliform bacteria.	Re-plumb to City water system.	$380,200
45	C	95	WESTERNER MOBILE HOME PARK	3400331	2	On well water, inadequate water pressure and volume	Hook up to public water supply, City of Sacramento	$30,000
45	C	180	Lake County CSA 16 - Paradise Valley	1700516	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality.	Consolidate with Kono Tayee water system with 800 ft connection line.	$250,000
45	C	215	I'SOT Well #3 & #15	2500911	3	Three small separate systems with deadend lines not fulfilling Section 64626 (layout of water mains) of the Waterworks Standards.	Consolidate existing water systems into one system, which will loop the distribution lines and provide the reliability required by the Waterworks Standards.	$45,000
45	C	333	Lake County CSA 13 - Kono Tayee	1700554	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality.	Consolidate with Paradise Valley water system with 800 ft connection line.	$250,000
45	C	333	Lake County CSA 13 - Kono Tayee	1700554	1	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include inadequate water supply and quality. Distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Paradise Valley water system.	$100,000
45	C	1579	TUD - Tuolumne City Water System	5510003	2	NEED AN INTERCONNECTION WITH THE MULLER WATER SYSTEM FOR RELIABILITY AND TO IMPROVE SYSTEM PRESSURE IN THAT PORTION OF THE DISTRIBUTION SYSTEM.	CONSTRUCT PIPELINE AND PRESSURE REDUCING STATION TO INTERCONNECT THE TWO SYSTEMS.	$80,000
45	P	2025	CVUSD, CV HIGH SCHOOL	3301149	1	The coliform bacteriological quality has not been satisfactory for the past years on the domestic water well at CV high school	Abandon the wells and connect water lines to City of Coachella water (attached proposal	$250,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
40	C	68	Moore s Mooring	800653	1	System does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system. Need to install pipe from Front Street to First street water area and backup valves.	$10,000
40	C	100	Pine Grove Trailer Park	800800	1	Water system does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system.	$20,000
40	C	150	Blythe - Mesa Ranch	3301428	1	Insufficient supply well capacity and water quality problems. Insufficient water sttorage capacity. (see attached documentation).	Construct a transmission main pipeline connection of the water system to City of Blythe water system.	$5,033,000
40	C	225	MOTHER LODE MOBILE ESTATES	5500125	1	STORAGE CAPACITY OF SYSTEM DOES NOT MEET WATER WORKS STANDARDS	INCREASE STORAGE OR HOOK TO PUBLIC SUPPLY	$75,000
40	C	250	Northcrest Trailer City	800552	1	Does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system	$30,000
40	C	2772	Lost Hills Utility District	1510046	1	LARGEST WATER USER IS CONNECTED THROUGH 11 MILES OF TRUNK LINE AND DOES NOT PROVIDE ENOUGH FIRE FLOW	REPLACE 11 MILES OF TRUNK LINE, DEVELOP RELIABLE WATER SOURCE, UPGRADE PUMP STATION AND INSTALL STORAGE TANK FOR FIRE FLOW. OTHER - DESIGN AND CONSTRUCTION	$1,500,000
40	C	2844	Lake County CSA 21 - North Lakeport	1710021	1	Need to perform capacity analysis and update master plan to evaluate consolidation potential with other water systems, like Nice and Lucerne. Re-finance DWR loan.	Perform capacity analysis and update master plan. Construct components to accommodate capacity needed by the consolidation.	$1,000,000
40	C	3653	TUD - Columbia Water System	5510013	3	UPGRADE THE COLUMBIA WTP FROM 1.0 MGD TO 1.5 MGD TO PROVIDE SOURCE RELIABILITY FOR THE GIBBS RANCH AND SONORA WATER SYSTEMS WHICH ARE INTERCONNECTED.	ENLARGE THE COLUMBIA WTP'S CAPACITY FROM 1.0 MGD TO 1.5 MGD.	$230,000
40	P	79	Blythe - Airport	3301553	1	Supply well and water quality problems. Insufficient water storage capacity. (See attached documentation).	Construct a transmission main pipeline connection of the water system to the City of Blythe water system.	$5,000,000
40	X	10	HINSLEY STREET WELL	12161	1	TASTE PROBLEMS, HIGH IRON AND CALCIUM, SULFUR. REPEATED POWER OUTAGES.	CONSOLIDATE WITH OTHER NEARBY WATER SYSTEMS AND EAST NILES CSD. OTHER - STUDY, DESIGN AND CONSTRUCTION	$400,000
40	X	16	MULLER AVE AREA WATER SYSTEM	12160	1	TASTE, ODOR, LACK OF WATER-PRIVATE WELLS	CONSOLIDATE WITH EAST NILES CSD. OTHER - STUDY, DESIGN AND CONSTRUCTION	$400,000
40	X	30	MULLER MUTUAL WATER	12162	1	FREQUENT PUMP FAILURES, NO BACK UP SYSTEM ONLY ONE WELL	CONSOLIDATE WITH AREA WATER SYSTEM & TIE IN WITH EAST NILES C.S.D. OTHER - DESIGN AND CONSTRUCTION	$400,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
35	C	88	Lake County CSA 22 - Mt. Hannah	1700563	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include extremely high turbidity in the source water. The distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Loc Lomand water system.	$100,000
35	C	125	BEAR CREEK HOUSING COMMUNITY	2400152	1	THE SYSTEM HAS ONLY ONE WELL WHICH IS VERY OLD AND HAS NO BACKUP FACILITIES. THE STORAGE TANK IS IN NEED OF REPAIR OR REPLACEMENT.	INSTALL A PIPELINE TO INTERCONNECT TO THE PLANADA CSD WATER SYSTEM AND CONSTRUCT A NEW WELL SO THAT THE PLANADA CSD HAS SUFFICIENT SOURCE CAPACITY TO SUPPLY THE SYSTEM.	$500,000
35	C	200	CHERRY VALLEY WATER COMPANY	3301114	1	Cherry Valley Water Company (CVWC) was formed in the early 1940s to serve a small unincorporated area of Cherry Valley. The company owns two wells operating at depths of 110 feet and 220 feet both equipped with 30 hp pumps. We have been using the 220 foot	Consolidate and annex into BCVWD by building a new distribution system to service 80 meters, which is requested by BCVWD as a condition for annexation. In order to meet these conditions the new distribution system would consist of:• 10,000 feet of 8” d	$750,000
35	C	200	NEW HORIZONS MOBILE/RV PARK	1000259	1	NO BACK-UP SOURCE. BACT. PROBLEMS WHEN WELL IS DOWN FOR MAINTANCE	CONNECT TO FRESNO MUNICIPAL WATER SUPPLY - CITY OF FRESNO. OTHER - DESIGN AND CONSTRUCTION	$100,000
35	C	200	El Portal Mobile Estates	4900799	1	Available water from well is running out.	Connect to City of Santa Rosa water supply or design an alternate form of water production.	$250,000
35	C	472	TUD-Cuesta Center-Lambert Lakes	5510027	1	Curtis Creek Elementary School is located in rural area of Sonora, California. The campus houses nearly 500 students and staff during the school year. The current water source is a well. Water is stored in a metal tank and the water quality is declinin	Tuolumne Utilities District (TUD) is installing water within a reasonable accessible distance of the school site. This has previously not been an option for the district. The school is required to provide its own link to the main line. Through the Offi	$160,000
35	C	590	Lake County CSA 6 - Finley	1710019	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include storage source reliability. The distribution system should also be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Soda Bay water system.	$75,000
35	C	590	Lake County CSA 6 - Finley	1710019	1	During high demands, source becomes taxed. No long term storage exists.	Construct 100,000 gal storage tank and evaluate consolidation with Kelseyville and Soda Bay systems.	$500,000
35	C	1342	Lake County CSA 20 - Soda Bay	1710022	1	Need to perform capacity analysis and update master plan to evaluate consolidation potential with other water systems, like Kelseyville and Finley. Re-finance DWR loan.	Perform capacity analysis and update master plan. Construct components to accommodate capacity needed by the consolidation.	$1,000,000
35	C	1572	TUD - Cedar Ridge Water System	5510015	2	THE WTP IS APPROACHING ITS MAXIMUM CAPACITY AND MAY NEED UPGRADING TO MEET THE SWTR REVISIONS IN THE FUTURE.	CONSTRUCT A PUMP STATION AND PIPELINE TO INTERCONNECT THE CEDAR RIDGE SYSTEM TO THE CRYSTAL FALLS SYSTEM.	$240,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
35	C	1572	TUD - Cedar Ridge Water System	5510015	1	INSUFFICIENT STORAGE DURING EMERGENCIES AND ANNUAL DITCH OUTAGE.	CONSTRUCT A 200,000 GALLON STEEL STORAGE TANK.	$124,000
35	C	2550	Kelseyville Co Waterworks District 3	1710007	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include supply and storage inadequacies. One source needs filtration.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Soda Bay water system.	$10,000
35	C	3434	TUD - Upper Basin Water System	5510012	8	THE ADJACENT LEISURE PINES WATER SYSTEM HAS INSUFFICIENT SOURCE CAPACITY TO MEET SUMMER DEMANDS.	CONSTRUCT A PIPELINE TO INTERCONNECT THE LEISURE PINES SYSTEM TO THE UPPER BASIN SYSTEM.	$38,000
35	C	5600	City of Grass Valley	2910001	1	Inadequate pressure.	Consolidate with City of Grass Valley.	$50,000
35	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	9	Emergency intertie to YVWD for Calimesa MHP (3301534) due to limited storage and source capacity	construct intertie	$360,000
35	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	12	Plantation mhp ee01943 lacks source and storage capacity	consolidate w yvwd	$968,000
35	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	11	emergency intertie to YVWD for Plantation MHP 3301943; limited source and storage capacity	construct intertie	$555,000
35	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	10	Emergency intertie to YVWD due to limited storage and source capacity	construct intertie	$61,200
30	C	35	DAVENPORT MUTUAL WATER SYSTEM	1502650	1	No physical problems with well. The park owners are mostly elderly or disabled, two non-English speaking	Consolidation with Rosamond CSD. Enclosed is estimated cost of replacement of water system plus cost of financing fees os all sorts	$68,000
30	C	50	SUN ISLAND RESORT	3700964	1	Failing infrastructure, no fire flow	new distribution system & consolidate with Padre Dam	$750,000
30	C	250	QUEEN MOTEL WS	2700706	1	Well water quality is poor due to sanding. System also has low pressure.	Consolidate with CWSC - King City.	$230,500
30	C	1441	TUD - Ponderosa	5510002	4	DETERIORATED STORAGE AND DISTRIBUTION SYSTEM FACILITIES. NEED ADDITIONAL STORAGE CAPACITY.	REPLACE OLD WRAPPED STEEL PIPE, UPGRADE STORAGE FACILITIES, AND INSTALL TWO NEW STORAGE TANKS.	$610,000
30	C	5268	TUD - Crystal Falls Water System	5510010	1	THE WTP IS VERY CLOSE TO ITS CAPACITY WHICH WILL HINDER ITS ABILITY TO MEET THE DEPARTMENT'S CAP. THIS WTP SERVES NUMEROUS COMMUNITIES.	CONSTRUCT A NEW WTP WITH A 1 MGD CAPACITY WITH PROVISIONS FOR FUTURE EXPANSION. THIS PROJECT WILL ALSO ALLOW THE ELIMINATION OF THE CEDAR RIDGE AND MONTE GRANDE WTP'S.	$1,410,000
30	C	5268	TUD - Crystal Falls Water System	5510010	2	THE RANCHO POQUITOS MAIN SUPPLY PIPELINE IS STEEL PIPE REQUIRING FREQUENT REPAIR. THE RANCHOS POQUITOS SYSTEM NEEDS TO BE LOOPED FOR RELIABILITY.	CONSTRUCT A PIPELINE TO REPLACE THE OLD STEEL PIPE AND CONSTRUCT AN INTERCONNECTION WITH THE OAK GARDEN SYSTEM.	$38,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
30	C	16075	ROSAMOND CSD	1510018	2	THREE AREAS THAT HAVE SUB-STANDARD WATER SYSTEMS WOULD LIKE TO BECOME PART OF RCSD. TWO HAVE SUB-STANDARD SYSTEMS & THE PROPERTIES IN THE 3RD AREA ARE ON PRIVATE WELLS AND SEPTIC TANKS.	BUILD INFRASTRUCTURE TO EACHOF THESE AREAS, REPLACE EXISTING SUB-STANDARD FACILITIES AND CONNECT TO RCSD SYSTEM	$1,000,000
25	C	19	Bucktail Mutual Water Company	5301001	1	Cover for in-ground reservoir is deteriorated and beyond repair. Reservoir is susceptible to contamination and system has had total coliform MCL failures.	Construct new concrete block cover for in-ground reservoir	$10,000
25	C	25	Barstow Dagget Airport	3600175	1	Bacti failures, inadequate source capacity	Install disinfection equipment, refurbish wellheads and tank, drill new wells	$90,000
25	C	35	Meadow Lake Apartments	1400511	1	Single source of supply	Drill additional well	$14,500
25	C	40	Yosemite Westlake Mobile Estates	2210925	2	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
25	C	40	JAMES WATER SYSTEM	1500462	1	Shallow wells next to Kern River. Slightly elevated manganese levels and unprotected water source	possible water treatment or drill additional wells	$70,000
25	C	59	Placer CWA - Monte Vista	3110124	1	Does not have a standby generator and when power is lost, the plant does not work. The water treatment plant does not have the required level of reliability as stated in SWTR Section 64659.	Install standby generator. Involves design and construction.	$30,000
25	C	60	Darwin Community Services District	1400098	4	Inadequate storage capacity	Construct new tank	$200,000
25	C	60	WATERTEK-METROPOLITAN	1000057	3	EXISTING PIPE LINES ARE OLD, RUSTING AND LEAKING.	INSTALL NEW PIPELINES	$14,000
25	C	63	Chamisal MWC	3600071	1	Old, substandard distribution system and storage facilities	Replace mainline and storage facilities	$100,000
25	C	63	West End Mutual (Willow Wells)	3600345	1	Old distribution system resulting in multiple leaks	Construct new mainline and storage facilities	$340,000
25	C	70	North Lone Pine Water District	1400072	1	Old, substandard distribution system	Construct new distribution system	$40,000
25	C	70	Callahan Water District	4700503	2	Two inground storage tanks are old and deteriorated with marginal storage capacity. Deteriorated and undersized water mains.	Construct new storage tank and install new water mains.	$650,000
25	C	72	HILLVIEW WATER CO-COARSEGOLD	2010013	2	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
25	C	75	TRAILS END MUTUAL WATER COMPAN	3301682	1	Existing water tank (20,000 gallons) is very old and is leaking around the bottom. It has been repaired with welds; the county has suggested we replace it	We were donated much larger tank (50,000 gal); assemble, sandblast and paint; or construct a new tank	$50,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	79	Clio Public U.D.	3200509	1	Existing storage tank was seriously undermined by spring floods. Without tank the water system has no storage or water to serve.	Construct new 150,000 gallon storage tank. Replace 6,580 feet of 6" water main.	$528,500
25	C	85	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	3	Deteriorating distribution system water lines.	Replace approximately 1500 feet of the distribution system water line.	$81,693
25	C	85	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	1	Existing water main line is 4" steel-installed in 1959, problems due to age.	Replace 3226' of main line with 6" C-900 pipe; 21 laterals and 2 additional fire hydrants; demolition/removal cost	$549,400
25	C	102	Cal Ore Trail Mobile Estates	4700546	2	Existing pump house and wet well deteriorated.	Replace existing pump house and wet well.	$10,000
25	C	110	Timber Cove County Water District	4900584	3	Potential low pressure areas.	Larger pressure tank and system for area affected.	$75,000
25	C	110	Timber Cove County Water District	4900584	5	Some water mains overlooked when system upgraded. Pipes are particularly vulnerable during new construction and road repairs.	Replace undersized asbestos cement pipes with properly sized pipes.	$45,000
25	C	110	Timber Cove County Water District	4900584	4	Some existing water mains too small to adequately serve the needs.	Install new larger water mains.	$100,000
25	C	120	TAHOMA MEADOWS MUTUAL WATER COMPANY	3100033	1	Single source is an old well. Needs additional source capacity.	Repair or replace the tank.	$75,000
25	C	120	LAKESHORE HEIGHTS MUTUAL WATER	4500014	1	System has insufficient water storage therefore not fulfilling Section 64564 (storage volume) of the Waterworks Standards.	Install a 250,000 gallon storage tank and all plumbing for operation to provide the reliability required by the Waterworks Standards.	$250,000
25	C	120	WOODSON BRIDGE ESTATES	5200551	1	Low pressure.	Build a water tower for storage.	$10,000
25	C	120	WOODSON BRIDGE ESTATES	5200551	2	Potential water pressure problems.	Construct new lines.	$250,000
25	C	125	EMIGRANT GAP MUTUAL WATER CO.	3103310	2	System lacks reliability as it is supplied from a single well.	Drill an additional well and connect to existing storage tanks several feet away.	$15,000
25	C	130	TUD - Phoenix Lake Park	5510025	1	HIGH IRON AND MANGANESE LEVELS IN THE EXISTING WELL. ALSO, OCCASIONAL FECAL COLIFORM BACTERIA IN THE WELL.	INTERCONNECT TO THE ADJACENT SCENIC VIEW WATER SYSTEM.	$36,000
25	C	134	LAKESHORE VILLA MUTUAL WATER CO	4500008	1	No backup electrical system. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failures) of the Waterworks Standards.	Purchase generator compatible with 3 stage electrical system and build a structure to house generator to provide the reliability required by the Waterworks Standards.	$20,000
25	C	178	SWEET BRIAR CAMP	4500237	1	Inlet dam eroded. Insufficient storage. Prefilter wooden structure, tank cover & 3 miles of water supply pipe are failing. System not fulfilling Section 64560(a)(6) (adequate capacity) & Section 64560(a)(6) (equipment failures) of the WW Standard	Relocate dam. Install a liner inside the pre-filter box. Install 2 to 4 additional 5,400 gallon water storage tanks and a shed over the tanks. Remove and replace approximately 3 miles of pipe to provide the reliability required by the WW Standards	$150,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	180	Lake County CSA 16 - Paradise Valley	1700516	1	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality. The distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Kono Tayee water system.	$100,000
25	C	188	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	4	Gate valves on water distribution lines are frozen and need to be replaced. Entire system must be shut down if major repairs are needed. Loss of water supply & pressure.	Replace ten 6 inch and/or 8 inch gate valves on distribution system.	$50,000
25	C	195	Gordon Acres (Stewart WC)	3600297	1	Numerous waterworks deficiencies	Construct new pressure tank, repair leaks, replace well, replace booster pumps, redwood lines	$150,000
25	C	195	Gordon Acres (Stewart WC)	3600297	2	Inadequate source and storage capacity	Construct new well and two new reservoirs	$150,000
25	C	197	LONG CANYON WATER COMPANY CORP.	1500578	1	DIMINISHING CAPACITY FROM WELL	DRILL NEW WELL. OTHER - DESIGN AND CONSTRUCTION	$50,000
25	C	198	MPWD-Coulterville CSA 1	2210901	3	The water system infrastructure in Coulterville is thirtyseven years old and, exept for pump failure - most recently July 19, 2007 - is generally considered not to have reached its maximum service life. The problem in Coulterville is with the lack of ba	This project requires drilling a backup well and constucting storage to increase the capacity serving Coulterville, Ca. The request includes funding for planning, engineering, materials, equipment and construction.Materials and equipment include:* well	$410,000
25	C	200	LIVE OAK SPRINGS WATER COMPANY	3700922	1	The solution to our system's low head line problem requires construction of a new distribution system, adding into the system a pressurization system to deal with customer elevation problems.	Replace existing distribution system, and install pressure system (pressure tanks and pump system).	$1,000,000
25	C	200	Sierraville P.U.D.	4600018	1	Sections of the mainline piping and laterals are deteriorated and undersized. The water storage tank is inadequate in size and has leaks. Excessive water use.	Replace deteriorated and undersized water lines. Repair existing storage tank and add a second tank. Install water meters on all services.	$500,000
25	C	200	KINGS CANYON MOBILE HOME PARK	1000267	1	NEED A NEW WELL AND REPLACEMENT OF PIPELINES.	CONSTRUCT A NEW WELL AND REPLACE PIPELINES.	$150,000
25	C	200	Redwood Park C.S.D.	800526	1	Redwood tanks do not meet waterworks standards. One Redwood tank is inoperable and the other has numerous rotten or weak areas. Both tanks are 50 years old.	Replace the two water storage tanks with new tanks.	$200,000
25	C	200	Redwood Park C.S.D.	800526	2	150,000-gallon redwood water storage tanks are about 50 yrs. old; one cannot be used; the second tank has rot.	Replace the water tank(s).	$200,000
25	C	215	I'SOT Well #3 & #15	2500911	2	Water system has low pressure and does not fulfill Section 64566 (system pressure) of the Waterworks Standards.	Installation of an elevated storage tank and an enlarged pumping station to provide the reliability required by the Waterworks Standards.	$250,000
25	C	230	Golden State Water; Desert View	3600279	1	Old, undersized mainline	Replace mainline	$216,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	250	Clearwater Mutual Water Company	1700546	4	The 35,000 gallon redwood storage for the Clearwater Mutual Water Co. should be replaced in accordance to water permit No. 02-03-98P17005. The storage tank has been in place since 1965. There are several patched holes around the tank, and some leaks on th	Clearwater Mutual Water Company is a small community water system that has 90 active service connections serving a maximum population of 100 persons. Most residences are retired living on a fixed income. The community is considered disadvantaged due to	$140,000
25	C	280	Hornbrook C.S.D.	4700513	1	System has 11 deadends in distribution supply main lines.	Eliminate deadends by looping. Where looping not possible, provide flushing valves at end of deadend.	$550,000
25	C	300	CAMPTONVILLE COMM. SERV. DIST	5800924	1	Insufficient water supply. Dead ends in watermains. Insufficient storage.	Discover and develop water supply spring or well. Construct 1200 feet of 6" mainline. Construct new storage tank.	$94,000
25	C	300	Elk Creek Community S.D.	1100616	2	Vulnerability of transmission mainline. Multiple dead end lines that compromise water quality and pressure.	Construct pipeline across creek. Loop dead end lines to reduce problems.	$232,000
25	C	300	SAHARA MOBILE COURT	3900964	1	CORRODED STEEL PIPE AND LOW PRESSURE PLASTIC PIPE	REPLACE DISTRIBUTION SYSTEM	$500,000
25	C	325	Desert Springs MWC	3600089	1		Replace mainline Phase II	$67,676
25	C	325	Desert Springs MWC	3600089	3		Replace mainline Phase III	$69,000
25	C	325	Desert Springs MWC	3600089	2	Compliance Order 36-0018 requires replacement of old, substandard mainline	Replace mainline Phase I	$67,676
25	C	330	Charles Brown Water Company	1400004	1	Inadequate distribution system piping	Replace distribution system piping	$100,000
25	C	344	RAND COMMUNITIES CWD - RANDSBURG	1510016	2	THREE OLD 100,000 STORAGE TANKS AND FAILING DUE TO CORROSION CONTROL	CONSTRUCT THREE NEW 100,000 GALLON STEEL TANK RESERVOIRS. OTHER - DESIGN AND CONSTRUCTION	$409,000
25	C	344	RAND COMMUNITIES CWD - RANDSBURG	1510016	1	THREE OLD 100,000 GALLON STORAGE TANKS WITH CORROSION PROBLEMS.	REPLACE WITH A 500,000 GALLON STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$1,005,800
25	C	344	RAND COMMUNITIES CWD - RANDSBURG	1510016	3	UNDERSIZED MAINS	REPLACE WATER MAINS AND REHABILITATE THE WELL AND BOOSTER PUMPS. OTHER - DESIGN AND CONSTRUCTION	$1,626,000
25	C	364	Weott C.S.D.	1200553	2	B Tank in poor condition and insufficient capacity to serve connections in zone. Storage capacity does not meet Waterworks Standards.	Remove old tank and install two 50,000 gallon tanks.	$146,000
25	C	364	Weott C.S.D.	1200553	1	Transmission mains under and over river have been subject to failure. When either line fails, source capacity is not sufficient to prevent outages. System has had outages last 2 summers.	Remove and replace water transmission lines under the south fork of the Eel River.	$50,000
25	C	364	Weott C.S.D.	1200553	5	Water lines from plant to tank in poor condition. Failure of line in'96-'97 winter's storms caused outage for several days.	Remove/replace approximately 1.25 miles of old steel lines. Install connection lines and valves between the two treament lines at the plant.	$25,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	380	Indian Valley CSD - Crescent Mills	3200510	3	Potential contamination of in-ground storage reservoirs	new water mains, laterals	$532,190
25	C	386	Palm Springs Crest	3310081	1	The existing storage tank and water mains are old, deteriorated and unreliable, with limited remaining useful life, involving frequent leaks, repairs, outages, valve work, etc. (see attached documentation)	Design and construct new steel tank to replace old tank, along with 3,000' of new water main tomeet the waterworks standards and increase system reliability.	$356,000
25	C	386	Palm Springs Crest	3310081	2	The PZ currently has only one source of supply comprised of Well 25 with pump, providing no redundancy and inadequate system reliability. The existing watermains are old, deteriorated and unreliable with limited remaining useful life, involving freq	Design and construct new well with pump, modify existing Well 25 pump for delivery to a higher elevation, along with 3,000' of new watermain to meet WWS, increase system reliability, and provide redundancy in source-of-supply.	$397,000
25	C	386	Palm Springs Crest	3310081	3	The lower portion of the PZ has excessive pressures, the existing intermediate tank, booster and pipeline facilities are old, deteriorated and unreliable, with limited remaining useful life invovling frequent leaks, repais, outages, valve work, etc.	Design and construct new pressure reducing station, along with 2,500' of new watermain to meet the WWS and abandon the intermediate tank/booster facilities.	$219,000
25	C	400	Myers Flat M.W.S. Inc.	1200538	3	System will legally lose their existing source in 2024; Storage tank roof is deteriorated and failing; Distribution system is deteriorated and poses potential cross connections with previous industrial activities in the town	Develop a new water source; Make repairs to existing storage tank; Replace Distribution System	$2,100,000
25	C	400	Myers Flat M.W.S. Inc.	1200538	1	Inadequate water volume delivery under Highway 101 between storage tank and the system. Insufficient volume and pressure in system main stem line.	Will replace 4-inch PVC main line under Highway 101 with 8-inch PVC. Replace 4-inch PvC with 6-inch PVC main stem line.	$25,890
25	C	435	City of Tehama	5200504	2	Existing 4" watermains need to be upgraded to 6" for increased flow and demand, and to allow for 6" fire hydrants for fire protection. Lines are old with leaks.	Replace 8000 lineal feet with 6" mains and valves.	$212,500
25	C	450	Town of Sunol-SFPUC	110012	1	Aging distribution system, inadequate storage.	Replace 2" service main with 4" service mains. Install fire service mains and hydrants within the distribution system; Replace the existing transmission/supply pipeline.	$533,080
25	C	450	TRADEWIND WATER ASSOC.	1500406	2	REPLACE DISTRIBUTION SYSTEM DUE TO AGE	SYSTEM AND STORAGE TANK WERE REPLACED	$450,000
25	C	500	Knoll Enterprises Inc	3600504	1	High alkalinity in source water	Construct new wells or treatment facility	$500,000
25	C	500	Jacumba Community SD	3710011	1	Existing wells are in a low lying, flood plane area that may affect operations and water quality during rainy periods.	Drill a new well at an already aquired site that is at an elavation higher than existing well sites.	$67,000
25	C	500	LASSEN PINES MUTUAL WATER CO	4500210	1	Inadequate storage capacity.	Construct water storage tank.	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	500	LAKE ISABELLA COMMUNITY SERVICES DIST	1503270	2	Inadequate valving, pressure inadequate, system failing.	Replace failing water mains, install shutoff valves, replace booster pump.	$100,000
25	C	500	LAKE ISABELLA COMMUNITY SERVICES DIST	1503270	1	ABANDONED WELL SITES NEED TO BE DESTROYED. A 2" LINE CONNECTION TO A TRAILER PARK NEEDS TO UPGRADED TO A 4" LINE TO MEET DEMAND.	DESTROY WELLS AND REPLACE WATER LINE	$29,400
25	C	599	West Palm Springs Village	3310078	2	The existing bare steel watermains and appurtenances are old, deteriorated and unreliable, with limited remaining useful life, including frequent leaks, repairs, outages, valves work, etc. (refer to attached documentation)	Design and construct 11,000' of new watermain to meet the WWS and increase system reliability by interconnecting the PZ source of supply sites and storage site with new watermains.	$530,000
25	C	599	West Palm Springs Village	3310078	1	The PZ currently has only one source of supply comprised of Well 26 with pump, providing no redundancy and inadequate system reliability.	Construct new well with pump, for increasing system reliability by providing redundancy in source of supply to meet the WWS.	$149,000
25	C	600	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	4	GROUND LEVEL STORAGE TANKS DON'T PROVIDE PRESSURE OR QUANITY OF WATER DURING POWER OUTAGES	CONSTRUCT ELEVATED STORAGE TANK	$300,000
25	C	625	CSA 70 W-4	3600196	1	Low source production capacity, single high capacity well (55 gpm) exceeds fluoride standard	Construct new well and treatment facility	$150,000
25	C	665	East Wood Farms CWU	3600100	2	Insufficient system reliability	Construct new pressure tank, drill well, install meters	$115,767
25	C	695	CSA 70 W-3 (Hacienda)	3600114	5	Master plan does not provide for reliable water system operation	Develop new master plan	$50,000
25	C	695	CSA 70 W-3 (Hacienda)	3600114	1	Old, undersized mainline	Construct 5.25 miles of new mainline	$1,164,240
25	C	695	CSA 70 W-3 (Hacienda)	3600114	2	Distribution sysem does not meet waterwork standards	Improve system replace old piple and add booster station	$580,000
25	C	855	Jubilee MWC	3600139	1	Reservoir over 60 years old and failing	Construct new tank	$75,000
25	C	887	City of Dorris	4710001	3	The City has only one water tank, which at a capacity of 750,000 gallons is less than ½ of the peak day demands. Without a second storage tank available, the tank cannot be taken out of service for coating or other repairs, and it is now 26 years old, wi	Construction of 750,000 to 1,000,000 gallon tank.Construction to include all pipes, gates and valves to connect to the existing system.	$950,000
25	C	950	ARROWHEAD MANOR WATER CO	3610026	4	Deteriorating distribution system. Distribution system does not meet waterworks standards	Replace 60,000 feet of pipeline	$8,000,000
25	C	950	ARROWHEAD MANOR WATER CO	3610026	5	Storage tanks are old and need to be inspected, relined, or replaced and enlarged to meet daily demands	Inspect and coat or replace existing storage tanks	$220,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	1018	Lake County CSA 2 - Spring Valley	1710018	3	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include filtration and storage. The distribution system should also be evaluated.	Conduct capacity analysis and develop master plan.	$100,000
25	C	1058	City of Tulelake	4710010	1	Have had occasional outages due to old pumps and electrical equipment. Hydrogen sulfide in water is inadequately treated by existing chlorination facilities causing occasional taste and odor complaints.	Replace old pumps and electrical equipment. Replace chlorination facilities with more reliable and effective equipment.	$200,000
25	C	1499	Kettleman City CSD	1610009	3	UNDERSIZED AND LEAKING STEEL PIPE. EXISTING TELEMENTRY SYSTEM CANNOT BE EXPANDABLE	REPLACE STEEL PIPE WITH AWWA PIPE AND INSTALL NEW BUTTERFLY VALVES. REPLACE THE OLD TELEMETRY SYSTEM WITH A NEW EXPANDABLE TELEMETRY SYSTEM. OTHER - DESIGN AND CONSTRUCTION.	$180,000
25	C	1499	Kettleman City CSD	1610009	2	TWO GROUNDWATER WELLS SUPPLY WATER TO THE SYSTEM - THEY RUN CONSTANTLY TO MEET THE SUMMER DEMAND	DRILL A NEW WELL - PROVIDE TREATMENT IF NECESSARY. OTHER - DESIGN AND CONSTRUCTION	$840,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	9	Corrosion problems with John Tank, Omar Tank, West Tank, Dick Tank, and Kennedy Tank. Structural inspections are needed to assess damage.	Engineering design and construction of tanks.	$464,600
25	C	1500	Redway C.S.D.	1210011	2	Under size main lines, inadequate pressure failure of pipe	Install new main lines in specific areas	$180,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	1	Repair steel tanks known as the John, Omar, West, Dick, and Kennedy steel tanks. Structural inspections are needed to assess damage.	Engineering planning design for construction/repair of tanks.	$24,100
25	C	1500	Garberville Sanitary District	1210008	5	Storage tanks need repairs and the storage capacity is insufficient to meet the maximum daily demand	Repair existing tanks and construct additional 100,000 tanks	$175,000
25	C	1579	TUD - Tuolumne City Water System	5510003	1	DETERIORATED PIPELINES AND INADEQUATE LOOPS IN THE SYSTEM.	CONSTRUCT PVC PIPELINES TO REPLACE DETERIORATED PIPES AND TO LOOP THE SYSTEM.	$26,000
25	C	1792	Tipton Community Services Dist	5410014	2	PIPE CROSSING HWY. 99. OLD AND UNDERSIZED WATER MAINS	REPLACEMENT OF THE EXISTING PIPING WITH NEW PIPELINES AND A CROSSING OF HWY. 99. OTHER - DESIGN AND CONSTRUCTION.	$366,000
25	C	1792	Tipton Community Services Dist	5410014	1	NEEDS ADDITIONAL CAPACITY TO MEET DEMANDS. NO STANDBY POWER.	CONSTRUCT NEW WELL. OTHER - DESIGN AND CONSTRUCTION	$329,000
25	C	1923	City of Dunsmuir	4710002	1	Occasional outages and no storage in upper pressure zone.	Construct storage facilities for upper pressure zone.	$700,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	2000	Westwood C.S.D.	1810002	1	Winter power outages cause water shortages. Pump/level controls need replacing.	Construct additional 500,000 gallon storage tank. Install generator unit, new pump/tank control system and water meters.	$500,000
25	C	2229	Cabazon Water District	3310047	1	The District's existing potable water distribution system has a number of pipeline sections that are undersized, leaking, and/or are constructed of substandard materials. See attachment A.	See attachment B	$2,500,000
25	C	2229	Cabazon Water District	3310047	3	Construction of a 7,000 LF pipeline to interconnect the District's and Jenson Water Company's existing systems and replacement of 8,000 LF of piplines within the Company's service area. See attachment A	See attachment B	$575,000
25	C	2340	Terra Bella Irrigation District - TBT	5410038	4	The Terra Bella Irrigation District (TBID) primarily receives its domestic and agricultural water supply through the Friant-Kern Canal of the Central Valley Project. The source of this supply is from the San Joaquin River Watershed. This surface water s	A pipeline that interties the Terra Bella Irrigation District (TBID) and the Vandalia Irrigation District (VID) is needed to provide TBID with water during canal water supply interruptions.The proposed Project consists of the installation of an intertie	$650,000
25	C	2458	Clearlake Oaks County Water District	1710001	4	Existing storage does not meet current waterword stds and the possibility of catastrophic failure exists.	Replace storage tank	$725,500
25	C	2458	Clearlake Oaks County Water District	1710001	1	Treatment plant does not have alternative power source, therefore, fails to meet swtr reliability reqs.	Install a 400 KW generator with electrical switching system	$80,000
25	C	2458	Clearlake Oaks County Water District	1710001	9	Major storage components,(redwood tanks) are deteriorating and will fail causing massive property damage, redwood tanks limit the ability to cycle water to reduce disinfection by-products. Existing storage does not meet current waterworks standards.	Install a 465,000 gallon reservoir and booster station with telemerty and back-up propane generator. Install a 100,000 gallon reservoir and booster station with a propane back-up generator. Install a new booster station with telemetry and a propane back-u	$863,500
25	C	2500	ERSKINE CREEK WC	1510009	1	Insufficient source and supply capacity for reliablity.	Interior mainline replacement program	$350,000
25	C	2568	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	4	Low pressure and water supply problems caused by old and deteriorated 2-inch steel lines.	Install new 6-inch PVC water lines. (Goodell)	$30,000
25	C	2568	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	5	Old and deteriorated water services and water lines. The lines are leaking and causing low pressure problems.	Install new 6-inch PVC water lines and water services. (Ponderosa Dr and Poppy Ln)	$70,000
25	C	2700	Cottonwood County Water Dist.	4510007	1	Inadequate storage capacity.	Construct 1,000,000-gallon tank.	$750,000
25	C	2793	Pixley Public Util Dist	5410009	6	Existing water mains installed 50+ years ago. Small diameter mains are causing pressure problems and leaking problems.	Looping dead ends and replacement of all 4 inch mains and smaller. Wharf hydrants will also be installed	$1,882,500

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	2800	City of Vallejo-Lakes System	4810021	2	Water system does not meet requirements of SWTR.	To consolidate with that of the Green Valley Water System.	$3,600,000
25	C	2800	City of Vallejo-Lakes System	4810021	3	Water under risk of microbial contamination due to old and corroded cast iron pipes.	replace old pipes in the area with 4,750 lineal feet of 6" PVC pipe including the installation of four new hydrants.	$321,000
25	C	3044	Home Gardens County WD	3310018	1	See attachment. NO3 contamination of the local groundwater has caused shut down of the District's most productive wells, and requires purchase of water from City of Riverside at high costs and there is no guarantee of supply.	A water treatment plant with biological denitrification, filtration and disinfection, plus stroage tank for blending, detention and equalization.	$1,000,000
25	C	4011	Konocti County Water District	1710006	2	Aged water storage tanks.	Construct new 0.5 MG storage tank.	$625,000
25	C	4011	Konocti County Water District	1710006	1	Undersized and aged water mains.	Replace with 6 and 8 inch PVC pipe.	$7,500,000
25	C	6306	Huron, City of	1010044	2	RAW WATER FROM THE CALIFORNIA AQUEDUCT IS DELIVERED VIA LATERAL 23R WHICH CAN BE PERIODICALLY SHUT DOWN FOR MAINTENANCE FOR 2 TO 4 DAYS.	PROVIDE A SECOND SOURCE OF SURFACE WATER BY CONNECTING TO LATERAL 22R WHICH IS ABOUT 5,000 FEET AWAY FROM THE PLANT SITE.	$155,000
25	C	7290	City of Yreka	4710011	1	Experiencing low pressures at north end of town during high summer demands.	Construct 1.5 MG storage tank for north end of town.	$1,000,000
25	C	7305	Woodlake, City of	5410020	4	LOW WATER PRESSURE AND INADEQUATE FIRE FLOWS IN SOME AREAS OF SYSTEM	VARIOUS SYSTEM IMPROVEMENTS PER "WATER MASTER PLAN". OTHER - DESIGN AND CONSTRUCT. Install water meters on all unmetered services	$1,600,000
25	C	7305	Woodlake, City of	5410020	6	Capacity issue due to size of elevated water tank being too small.	Construct additional water tank to meet needs and provide adequate fire flow.	$1,500,000
25	C	7305	Woodlake, City of	5410020	1	CAN NOT SUPPLY PEAK DAY AND PEAK MONTH DEMANDS	CONSTRUCTION OF ADDITIONAL WELL WITH STANDBY POWER. OTHER - DESIGN AND CONSTRUCTION	$300,000
25	C	7305	Woodlake, City of	5410020	2	DEAD ENDS IN DISTRIBUTION PIPES RESULTING IN POSITIVE BACTERIOLOGICAL SAMPLING	ENGINEERING TO LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$75,000
25	C	7305	Woodlake, City of	5410020	3	NEW WELL AND RESERVOIR CAPACITY TO MEET DEMAND	INSTALLATION OF 500,000 GAL RESERVOIR. OTHER - DESIGN AND CONSTRUCTION	$450,000
25	C	7318	Orosi Public Utility District	5410008	3	LOST MAIN WELL DUE TO HIGH NITRATES- WELL NEEDED TO MEET DEMAND	INSTALL NITRATE REMOVAL EQUIPTMENT ON THE WELL HEAD. OTHER - DESIGN AND CONSTRUCTION	$600,000
25	C	7318	Orosi Public Utility District	5410008	1	LOW WATER QUALITY - IMPACTED BY HIGH NITRATE AND DBCP LEVELS	INSTALL A 1 MG GROUND WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$732,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	7318	Orosi Public Utility District	5410008	2	OLD AND UNDERSIZED STEEL MAINS CAUSING LOW PRESSURE AND WATER QUALITY.	REPLACE THESE EXISTING PIPELINES WITH NEW 8" DIAMETER PIPELINES TO IMPROVE THE PRESSURE AND WATER QUALITY IN THE AREA AFFECTED. OTHER - DESIGN AND CONSTRUCTION	$1,175,000
25	C	7475	City of Live Oak	5110001	4	Unreliable water supply and insufficient fire flows. The City's system lacks the water storage capacity required by CCR, Title 22, Section 64564. Our current capacity of 25,000 gallons is significantly below our required capacity of 1.2 MG.	The construction of multiple storage tanks would allow the City to meet the storage capacity requirements.	$500,000
25	C	7475	City of Live Oak	5110001	1	Unreliable water supply and insufficient fire flows. The Department of Health Services is requiring the City to develop additional source capacity to maintain reliable water service to all customers.	Construction of an additional well to satisfy CCR, Title 22, Section 64564 requirements and meet peak demands.	$200,000
25	C	7475	City of Live Oak	5110001	5	Unreliable water supply and insufficient fire flows. Portions of the City's water distribution network are beyond their service life and do not provide adequate flows for fire protection and public safety.	Replacement of these lines will provide required fire flows and sustain existing water service.	$650,000
25	C	7475	City of Live Oak	5110001	2	Unreliable water supply and insufficient fire flows. The system's wells are not equipped with automatic auxiliary power sources for uninterrupted water service during power outages.	The purchase and installation of four generators with automatic switchgear will ensure continuous well operation during power outages.	$140,000
25	C	7475	City of Live Oak	5110001	11	The existing water distribution system is aging and needs to be rehabilitated. The majority of the existing water distribution system in the City of Live Oak was installed between 1947 and 1965. The water distribution system consists of approximately 20	The City of Live Oak is looking to rehabilitate its existing water distribution which consists of 6 and 8 inch water mains, fittings, hydrants, valves, and all associated equipment required to get the water out of its well distribution system and into hom	$400,000
25	C	7544	Golden State Water Co.-Clearlake System	1710002	1	Existing 2 inch steel pipe has deteriorated beyond it's economical life. The existing main has had numerous leaks, requiring shutdown for repair.	Replace with 1,000 ft of 8 inch PVC in Lakeshore Dr.	$90,000
25	C	8100	Earlimart PUD	5410021	1	WATER LINES CROSSES HIGHWAY 99. REDUCES DEPENDABILITY OF THE DISTRICT IN CASE OF PIPE FAILURE.	INSTALL SECONDE CROSSING OF HIGHWAY 99 AND REPLACE SOME PORTIONS OF THE SYSTEMS	$780,000
25	C	8500	ORANGE COVE CITY OF	1010023	1	THE CITY'S SURFACE WATER ALLOCATIONS BARELY MEET ITS WATER DEMANDS. THE U.S. BUREAU OF RECLAMATION HAS STATED THAT NO MORE SURFACE WATER ALLOCATIONS ARE AVAILABLE.	DEVELOP A SUPPLEMENTAL GROUNDWATER SUPPLY CONSISTING OF AT LEAST FOUR WELLS, TRANSMISSION LINES, BLENDING/MIXING STRUCTURES, AND TREATMENT UNITS, IF NECESSARY.	$3,095,600

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	9513	Thermalito I.D.	410008	3	Critical need of steel main line replacement. The district also requires an additional 2.5 MG enclosed reservoir and appurtenances.	Replace old steel mainline. Design and construct new 2.5 MG storage tank.	$4,000,000
25	C	12058	PARLIER, CITY OF	1010025	2	Need additional water supply to maintain adequate pressures for domestic and fire flows.	Construct a test well and a new production well.	$601,000
25	C	14000	Lamont Public Utility Dist	1510012	3	DEAD END WATER LINES	LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$120,000
25	C	14000	Lamont Public Utility Dist	1510012	2	OLD WATER LINES LOCATED IN ALLEYS 5' WIDE ARE DETERIORATING AND LEAKING	REPLACE WATER LINES IN SOUTH LAMONT. OTHER - DESIGN AND CONSTRUCTON	$325,000
25	C	14000	Lamont Public Utility Dist	1510012	1	OLD WATER LINES LOCATED IN ALLEYS 5' WIDE ARE DETERIORATING AND LEAKING WHICH ARE DIFFICULT TO REPAIR.	REPLACE WATER LINES IN NORTH LAMONT. MOVE WATE LINES FROM ALLEYS TO STREET R/W FOR BETTER ACCESS. OTHER - DESIGN AND CONSTRUCTION	$300,000
25	C	16657	Wasco, City of	1510021	1	NO STORAGE VOLUME. DHS RECOMMENDED 3.8 MG OF STORAGE CAPACITY	CONSTRUCT 4.0 MG OF STORAGE AND CONNECT TO SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$4,000,000
25	C	25528	Corcoran, City of	1610004	2	EXISTING PEAK DEMAND EXCEEDS THE WELL PRODUCTION CAPACITY	DRILL 3 NEW WELLS AND ASSOCIATED PIPING. OTHER - DESIGN AND CONSTRUCTION	$2,160,000
25	C	25528	Corcoran, City of	1610004	5	UNDERSIZED MAINS IN THE "NILES AREA" - INSUFFICENT WATER SUPPLY OR PRESSURE	WATER MAIN UPGRADING FROM 4" WITH 6" AND 8" PIPE. OTHER - DESIGN AND CONSTRUCTION	$240,000
25	C	25528	Corcoran, City of	1610004	8	CAST IRON PIPES THAT ARE 60 YEARS OLD - EXPERIENCING CONSIDERALBE PIPE LEAKAGE/BREAKAGE IN RECENT YEARS	REPLACE C.I. PIPES WITH AWWA C-900 CLASS 150, IN 6", 8", 10" AND 12" SIZES. OTHER - DESIGN AND CONSTRUCTION	$510,000
25	C	28000	BELLFLOWER - SOMERSET MWC	1910013	2	Inadequate water supply when one main or source of supply is interrupted. Undersized water mains in need of replacement.	Acquire other adjoining system in the city and create one looping waterworks system.	$13,357,700
25	C	38500	Mission Springs WD	3310008	3	East side of Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,870 linear feet of waterlines, 251 service connections and 20 hydrants - Project No. 28	$975,000
25	C	38500	Mission Springs WD	3310008	1	Upper Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,240 linear feet of waterlines, 313 service connections and 18 hydrants - Project No. 28	$1,025,000
25	C	38500	Mission Springs WD	3310008	2	Lower Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,240 linear feet of waterlines, 306 service connections and 24 hydrants - Project No. 29	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	51467	Porterville, City of	5410010	5	SMALL REAR YARD WATER MAINS DETERIORATING DUE TO AGE, BREAKAGE BY TREE ROOTS	DESIGN AND INSTALL WATER MAINS IN R/W, RESERVE CUSTOMERS FROM FRONT YARD SERVICES. OTHER - DESIGN AND CONSTRUCTION	$250,000
25	C	51467	Porterville, City of	5410010	7	Well L-3 exceeds nitrate MCL and is shut off. The well produces about 300 gpm.	Design and construct wellhead treatment facilities (ion exchange).	$650,000
25	C	51467	Porterville, City of	5410010	4	PROVIDE SOME WATER SUPPLY DURING ELECTRICAL POWER OUTAGE DUE TO MAJOR CATASTROPHY	DESIGN AND INSTALL TEN STAND-BY ENGINES AND ALTERNATE FUEL SUPPLY SYSTEMS. OTHER - DESIGN AND CONSTRUCTIONN	$1,500,000
25	C	51467	Porterville, City of	5410010	2	ADDITIONAL WATER SUPPLY TO MEET PEAK SYSTEM DEMANDS	INTERTIE WITH AIRPORT WATER SYSTEM WITH MAIN CITY SYSTEM ALLOWING AIRPORT WATER WELL TO SUPPLEMENT CITY SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$330,000
25	C	66450	GSWC - FLORENCE/GRAHAM	1910077	2	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$500,000
25	C	66450	GSWC - FLORENCE/GRAHAM	1910077	1	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$320,000
25	C	66450	GSWC - FLORENCE/GRAHAM	1910077	3	UNABLE TO DISINFECT 3 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$45,000
25	C	173359	SAN BERNARDINO CITY	3610039	2	Replace older transmission main	Construct 4000 ft Devore transmission main to replace existing 16 inch line built in 1940	$315,000
25	C	173359	SAN BERNARDINO CITY	3610039	8	Undersized transmission main	Replace 16 inch Cajon Canyon well field line built in the 1920's with a 24 inch	$750,000
25	C	173359	SAN BERNARDINO CITY	3610039	10		Construct Scott Laboratories 4.5 MG reservoir	$2,250,000
25	C	173359	SAN BERNARDINO CITY	3610039	12	Additional storage needed	Construct 2 MG Ogdon reservoir	$1,000,000
25	C	173359	SAN BERNARDINO CITY	3610039	7		Replace 16 inch Meridian main with 24 inch	$750,000
25	C	173359	SAN BERNARDINO CITY	3610039	6		Replace 12 inch Foothill Blvd main with 16 inch	$450,000
25	C	173359	SAN BERNARDINO CITY	3610039	4	Undersized transmission main	Replace 20 inch Baseline main with 36 inch	$950,000
25	C	173359	SAN BERNARDINO CITY	3610039	5		Replace 12 inch 'E' Street main with 24 inch	$240,000
25	N	70	Camp Royaneh-Boy Scouts of America	4901105	1	80+ year old system. Many leaks, not mappying, single line, pipe size ranges 1/2-1/4".	Complete repipe all new connections, fire hydrants, automation of level control	$200,000
25	N	110	CAMP KEEP SIERRA	5402055	1	Need backup delivery system to main camp when repairs made to existing transmission main; high water use fixtures (toilets/urinals); sediment in lines; no means to measure water consumption.	Install 600' transmission main; reokace existing fixtures with low flow fixtures (9toilets, 2 urinals); install sediment strainers at 4 locations; install 3 flow meters.	$10,200

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	N	240	MALIBU CONSERVATION CAMP	1900994	2	PROBLEM WITH CONTAMINATION OF WATER SYSTEM (CAMPYLOBACTER) WITH LEAKS IN FRESH WATER LINE AND POSSIBLE CROSS CONNECTION IN THIS OBSOLETE WATER SYSTEM.	REPLACE FRESH POTABLE WATER SYSTEM WITH NEW LINES AND CONNECTIONS	$800,000
25	P	20	Olancha Elementary School	1400042	1	Lead levels less than action level	Construct new distribution system and tank	$18,000
25	P	35	MJUSD-Arlington Elem. School	2500513	1	Insufficient supply to fulfill Section 64562 (quantity of supply) of the Waterworks Standards.	Drill a new well into a different higher flow strata to provide the reliability required by the Waterworks Standards.	$17,345
25	P	35	MJUSD-State Line School	2500515	1	Existing pressure tank frequently waterlogs and therefore does not fulfill Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Replace old pressure tank with modern bladder type tanks to provide the reliability required by the Waterworks Standards.	$10,000
25	P	50	Jack Norton School	1200741	1	Storage tank and infiltration gallery require repair. Sanitary defects could affect water quality.	Replace entire roof on storage tank and repair infiltration gallery as necessary.	$10,000
25	P	175	Leggett Valley School	2300785	1	Quality, quantity, storage, bad test results.	Well relocation, upgrade storage, better purification system.	$100,000
25	P	350	LASSEN VIEW SCHOOL	5200538	1	Need new chlorination system because of State mandates.	Obtain new chlorination system.	$10,000
25	P	625	GERBER UNION ELEM SCHOOL DIST	5200519	1	Well is 43 years old and needs to be replaced.	Drill new well and delivery system (including electric hookup).	$10,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	6	Area 2 boosters need remediation	Replace booster facility	$150,000
20	C	20	Johnsville Public U.D.	3200505	1	Additional water required for existing system. Complete fire loop in town.	Water available above present springs and dam. Construct 300 to 400 feet of pipeline.	$100,000
20	C	25	BUZZTAIL MUTUAL WATER COMPANY	400091	2	Existing storage tank is insufficient to supply community water system. Currently the water system is under a service connection moratorium.	Construct a new 63,000 gallon storage tank.	$35,000
20	C	25	MARKLEEVILLE WATER CO.	202504	1	Creek source inadequate to meet demand and distribution system leaks badly.	Locate additional water source and replace pipeline.	$2,000,000
20	C	29	HIDDEN VALLEY TRAILER PARK, INC	5500127	1	DUE TO AGE UNDERGROUND PIPES MUST BE REPLACED AND THE COUNTY REQUESTS WE CEASE USING THE WELL AND HOOK UP TO PUBLIC WATER	CONNECT TO PUBLIC WATER SUPPLY. OTHER -DESIGN AND CONSTRUCTION	$65,000
20	C	30	COUNTRY VILLAGE MOBILE HM PRK	5800824	1	This community PWS currently has only one source of water - a groundwater well. Due to the current drought conditions in California, the need for another water source may be imminent.	This project would include the construction and development of a new production well. The pump, panel and pipelines would also be installed after completion of the new well.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	40	RANCHO SECO INC. WATER SYSTEM	1500327	1	PUMP HOUSE FOUNDATION CRACKED, WATER MAIN ABOVE GROUND, WATER TANK LEANING, WATER PRESSURE IS NOT CONSISTENT, MAINS ARE METAL	CONSTRUCT A NEW SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$500,000
20	C	50	MORNING SKY SCHOOL	3301947	1	Failure of main well pump and boost pump. Need to develop alternate well as back up water resource including tank, goost pump and pressure tank.	Replacement of failing equipment and outfiitting of alternate well.	$10,000
20	C	50	MEADOWBROOK OAKS	400026	2	Aging system	New water lines for distribution	$75,000
20	C	50	Shasta View Heights Owners Association	4700630	1	Transmission line from backup well was washed out during January 1997 floods. Also well may have possibly been damaged from flooding.	Determine if well has been damaged by flood. If so, drill new well. If not, install new transmission line connecting well to system.	$60,000
20	C	58	SMITH CREEK MUTUAL WATER CO.	3200086	1	The system's 63,000 gallon steel water tank will require some major preventative maintenance and repair in the near future.	Hire contractor to remove sand deposits, sandblast and recoat interior, repair support columns and paint exterior of tank.	$10,000
20	C	60	BISHOP ACRES MUTUAL WATER COMPANY	1500434	2	Bishop Acres MWC has only a single well as a source and therefore lacks required system reliability.	Construct a pipeline and consolidate with the City of Shafter. If that is not feasible, construct a second well.	$500,000
20	C	60	BEND MOBILEHOME & RV PARK	5200512	1	Small water system that occasionally has bad water quality readings (bacteriological).	Solve problem with treatment (chlorination).	$40,000
20	C	60	BLACKIE RD WS #18	2702094	1	System needs a standby generator, a pumphouse, and disinfection equipment.	Install all of the above.	$35,000
20	C	60	Venture Estates MWC	3500552	1	System is aging and has high TDS - 1300 ppm, and high Na - 500ppm.	Construct a pipeline to connect to Sunnyslope water system.	$60,000
20	C	63	Oakmont Water System	4300526	2	Oakmont Water is currently served by a wholesale connection to San Jose Water Co (SJWC) (paying retail water rates). Oakmont has requested SJWC acquire Oakmont (consolidation) but they require our system be upgraded to PUC standards. This will require t	All of the exisitng 2600 LF of mains will need to be replaced with 6 inch DIP.All of the exisitng 26 service connections (5/8th) will be replaced along with the main replacement.The exisiting 22,000 redwood water storage tank will need to be replaced wi	$420,000
20	C	70	COUNTRY AIR MOBILE HOME PARK	5800823	1	Aging wells, valves and distribution lines.	Upgrade current system to ensure adequate safe supply.	$10,000
20	C	70	SIERRA PINES MOBILE HOME PARK	202522	2	Single well source lacks reliability. Pressure is low.	New pump and pressure system using larger storage tank.	$50,000
20	C	70	LAZY H MUTUAL WATER COMPANY	3700937	1	Substandard old water distribution system with 1 1/2" - 6" tuberculated mains, allowing low flow capacities - inadaquate fire protection.	Replace 11250' mains and laterals with 8" and 4" C900 pipe, upgrade service connections.	$213,500
20	C	70	SIERRA PINES MOBILE HOME PARK	202522	1	System needs a second source and a storage tank to meet the demands.	Install larger tank and larger pump.	$50,000
20	C	75	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	5	Aging storage tank not fulfilling Section 64560(a)(6) (minimize effects of structural failure) of the Waterworks Standards.	Replace storage tank to provide the reliability required by the Waterworks Standards.	$65,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	75	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	4	Old disinfection tank showing signs of internal deterioration, not fulfilling Section 64560(a)(6) (minimize effects of equipment failure) of the Waterworks Standards.	Replace disinfection tank to provide the reliability required by the Waterworks Standards.	$10,000
20	C	75	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	2	Unprotected treatment/disinfection and water storage facilities not fulfiling Section 64560(a)(7) (protect against unauthorized entry and vandalism) of the Waterworks Standards.	Install chain link fence around pumping/disinfection and remote storage facilities to provide the protection required by the Waterworks Standards.	$10,000
20	C	75	YOKOHL MUTUAL WATER CO.	5400647	1	Our water system was established in 1972 which provides service for 32 connections. The water main line consists of 4 tranzite pipe in a loop system. This tranzite pipe has an asbestos lining and has been linked to different cancer causes. Over t	Replace approximately 3000 feet (+/-) of 4 main water line by utilizing the new trenchless method using polyethylene pipe. This method uses the path of the existing water line and would only utilize trenching at the service connections.Currently, the	$200,000
20	C	75	PINON HILL WATER COMPANY	1500540	5	Inadequate water supply; no outages but rationing required to meet summer demand.	Drill new well or consolidate with neighboring water system, if possible	$200,000
20	C	80	Oak Valley Acres P.O.A.	4700638	2	Experienced low pressure problems during peak demands.	Install new, higher capacity well pump and two new 5,000 gallon storage tanks.	$13,000
20	C	80	Oak Valley Acres P.O.A.	4700638	1	Booster station for upper pressure zone consists of a single booster pump which is old and near the end of its useful life.	Purchase and install a new booster pump and recondition the existing pump and use it for a backup.	$10,000
20	C	87	CREEKSIDE VILLAGE WATER SYSTEM	3100052	1	System lacks reliability as it is supplied by a single well and insufficient storage capacity.	Connect to PCWA. Involves Construction and other.	$130,000
20	C	90	Rancho Del Paradiso-Cal Water Svc (PUC)	4900514	1	System WAS in non-compliance with swtr, NOW needs ONLY storage and fix inadequate sized mains.	(Install approve filtration system,) NOW replace existing 5,000 gal tank with 10,500 gal concrete tank and new transmission lines.	$158,500
20	C	90	SIERRA VILLAGE MOBILE HOME PARK	5500353	2	Need more storage and system reliability.	Install storage and water lines.	$75,000
20	C	95	SUNRISE TRAILER PARK	4800512	2	Small trailer park with private water system located completely within the Vacaville City Water service area	Purchase and install new 2" metered service connection to City of Vacaville water system.	$100,000
20	C	95	SUNRISE TRAILER PARK	4800512	1	Small PWS located within City of Vacaville PWS	Purchase water and consolidate with the City of Vacaville	$100,000
20	C	95	WESTERNER MOBILE HOME PARK	3400331	1	Low water pressure.	Consolidation.	$50,000
20	C	99	DUNROVIN MOBILE HOME VILLAGE	500068	1	LACK OF BACK-UP POWER AND A BACK-UP PUMP	INSTALL GENERATOR AND SMALL BACK-UP PUMP	$20,000
20	C	100	MIRA MONTE WATER CO.	5200560	1	System only has one well and if it were to have a problem the water system would have to drill a new one.	Construct new well for water system.	$30,000
20	C	100	MERRY MOUNTAIN MUTUAL	400013	4	lack of adequate source and storage capacity	new well, pump, and tank	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	100	MERRY MOUNTAIN MUTUAL	400013	6	lack of storage	new tank	$230,000
20	C	100	MERRY MOUNTAIN MUTUAL	400013	5	lack of emergency power	new generators	$75,000
20	C	100	RIVER HIGHLANDS COM.SERV.DIST	5800820	1	Water system has numerous minor defects that are not in compliance with the Waterworks Standards; disinfection system needs to be updated	Fix backwash system. Repair telemetry system. Install piping restraints and numerous safety items; upgrade disinfection system	$30,000
20	C	100	MD#43 MIAMI CREEK KNOLLS	2000557	1	THE WATER SYSTEM WAS INSTALLED IN THE EARLY 60'S AND IS VERY UNRELIABLE. IT CONSISTS OF 4 VERY LOW PRODUCTION WELLS AND A DETERIORATED DISTRIBUTION SYSTEM. THE SYSTEM MUST BE CHLORINATED TO MEET THE TCR.	CONSTRUCT A NEW DISTRIBUTION SYSTEM AND A 50,000 GALLON STORAGE TANK.	$250,000
20	C	108	HOLLY HILLS MWC	2701789	1	Insufficient water pressure, insufficient storage, and insufficient pumping volume.	New pumping station, new well, and increase storage.	$150,000
20	C	108	BEVERLY-GRAND MUTUAL WATER	5400651	2	The Beverly Grand neighborhood adjacent to the City of Porterville is served with potable water by Beverly Grand Mutual Water Company. The water system is supplied with water by one groundwater well which is consistently high in nitrate contamination. I	This neighborhood adjacent to the City of Porterville currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of	$1,000,000
20	C	110	MAURLAND MANOR WATER SYSTEM	3900543	1	SINGLE WELL SYSTEM WITH PRESSURE PROBLEMS.	INSTALL PRESSURE TANK, REPLACE LINES WITH LARGER PIPES AND CONSOLIDATE WITH SYWSTEM 3901348. OTHER = DESIGN AND CONSTRUCTION	$400,000
20	C	110	Pine Flat Water Company	5410034	1	ADDITIONAL STORAGE CAPACITY, REPLACE OLD LINES THAT DATE TO 1920's	INSTALLL NEW WELLS AND STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$300,000
20	C	120	PONDEROSA SKY RANCH WATER SYSTEM	5200562	2	Holding capacities not adequate piping system in need of 50% to 75% replacement, alternate pump.	New holding tank 100,000 gal. Lay new piping system, alternate pump, alternate energy source for power.	$200,000
20	C	135	DONEY STREET NEIGHBORHOOD ASSOC.	1500284	1	SMALL SIZE, HIGH OPERATION/MAINTENACE COSTS, LACK OF BACK-UP WATER SUPPLY, OCCASIONAL BAC-T FAILURES.	CONSOLIDATE SYSTEM WITH EAST NILES & REFINANCE EXISTING DEBT. OTHER - REFIANCE, DESIGN & CONSTRUCTION	$400,000
20	C	140	Big Lagoon CSD	1200592	1	Interruptions in water delivery during power outages which occur frequently in winter months and may be 3 to 5 days duration. No emergency power supply and no gravity tank.	Purchase water system; overhaul electrical system; and add a generator to ensure continuous water delivery.	$100,000
20	C	146	GAYLA MANOR PWS	3900563	1	SINGLE WELL SYSTEM HAS OLD WELL. NO AUXILIARY POWER.	REPLACE EXISTING WELL AND ADD AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING WATER SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	$450,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	146	METTLER COUNTY WATER DISTRICT	1500401	1	NO BACK-UP WATER SOURCE	DRILL NEW WELL AND CONNECT TO SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$200,000
20	C	147	HOWELL S LAKESIDE WATER CO.	5200007	1	System needs two 1000 gallon tanks, two air compressors, two chlorinators, and miscellaneous plumbing.	Install new tanks, upgrade pumps, clean wells and install plumbing.	$100,000
20	C	150	Aberdeen Resort	1400020	1	Undersized mainline	Replace mainline and loop system	$105,000
20	C	150	Kirkwood Meadows Pubilc Utilit	210002	1	Inadequate water supply. Existing wells produce low gpm.	Drill additional water well and related treatment facility construction.	$300,000
20	C	150	MD#60 DILLON ESTATES	2000849	1	Water System does not meet fire flow and storage requirements. System has no back up generator for possible power outage. System is in critical fire zone and cannot provide adequate fire protection.	Complete consolidation with maintanance district 43 Miami creek. Drill high production well. Replace storage tank,distribution system and boost pumps to meet fire flow requirements.	$1,800,000
20	C	150	RITE OF PASSAGE/SIERRA RIDGE	500091	1	DISTRIBUTION SYSTEM NEEDS REPLACEMENT	REPLACE DISTRIBUTION SYSTEM.	$73,000
20	C	160	Pinyon Pimes County Water Dist	3301512	1	Old water mains that are in need of upgrades, causing water outages during summer months.	Replace substandard mains.	$75,000
20	C	161	CASTLEWOOD MOBILE HOME PARK	5800832	1	This community PWS currently has only one source of water - a groundwater well. Due to the current drought conditions in California, the need for another source may be eminent.	This project would include construction and development of a new production well. The pump, panel and pipelines would also be installed after completion of the new well.	$250,000
20	C	180	Keeler CSD	1400036	2	Inadequate storage capacity	Construct new 150k tank	$125,000
20	C	180	Keeler CSD	1400036	3	No redundant source of supply	Construct new well	$195,000
20	C	180	Keeler CSD	1400036	4	Old substandard mainline	Replace mainline	$125,000
20	C	200	Adams Springs Water District	1700501	1	Outdated system with many nonworking valves, fire hydrants, service lines.	System rebuild.	$500,000
20	C	200	A & A MHP	5400504	1	Needs back-up storage tank and well	Drill new Well	$150,000
20	C	215	Grizzly Lake RID-Crocker/Welch	3200107	2	Water production is near capacity. Inadequate storage. Inadequate mainline valves.	Drill new well. Install 200,000 gallon storage tank. Install four new valves.	$204,000
20	C	225	MOTHER LODE MOBILE ESTATES	5500125	2	The system has an old, undersized storage tank.	Installation of a new storage tank.	$20,000
20	C	230	FCSA #32/CANTUA CREEK	1000359	1	SURFACE WATER IS PROVIDED FROM THE WESTLANDS WATER DISTRICT. DURING THE LAST 12 MONTHS, WESTLANDS' WATER LINES HAVE BROKEN TWICE LEAVING THE COMMUNITY WITHOUT WATER.	INSTALL AN ADDITIONAL STORAGE TANK TO INCREASE STORAGE CAPACITY FOR SYSTEM RELIABILITY.	$200,000
20	C	249	SAN JERARDO COOP WS	2701904	1	System needs a new well to replace one of two aging wells. Also, needs a standby generator and disinfection equipment.	Drill new well and install new pump facilities. Obtain a standby generator and disinfection equipment & install them.	$145,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	273	TAMARRON MOBILE HOME PARK	5500193	1	LOW WATER PRESSURE, BROKEN LINES AND ONE TIME CONTAMINATION AND PUMP PROBLEMS	REPLACE PUMPS AND PIPING. OTHER - DESIGN AND CONSTRUCTION	$75,000
20	C	280	Greenhorn Creek Services District	3200188	2	Undersized water mains and insufficient storage and pumping facilities to provide fire flow.	Replace undersized water mains, increase capacity of booster stations, construct additional storage tanks.	$1,135,430
20	C	300	California Pines C.S.D.	2500503	1	Existing wells have insufficient output to fulfill Section 64562 (quantity of supply) of the Waterworks Standards. Water tank needs new inside coating.	Drill a new well to provide the reliability required by the Waterworks Standards. Recoat the interior of the water tank.	$50,000
20	C	300	HIGH VALLEYS WATER DISTRICT	3301775	1	The tank transmission pipeline is improperly installed and has had major leak problems. From main tank we have miles of pipe in the same condition.	For the past 3 yrs. We have replaced approx. 1 mile a year of the bade pipe with ductile iron. This is approx. all that the budjet will allow. Although replacing pipe in the worst areas has helped, to save cost we replace all the pipe in house.	$3,000,000
20	C	375	Lake County CSA 7 - Bonanza Springs	1700544	2	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include extremely high turbidity in the source water.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Loc Lomand water system.	$50,000
20	C	400	Big Rock C.S.D.	800532	2	Unfiltered surface water (infiltration gallery).[	Design and installation of a filtering system at the chlorination building.	$45,000
20	C	400	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	2	Various pipe segments are very old and troublesome with many repairs per mile. Some will not support fire flows.	Replace 10,840' of main lines with CML/C or C900 PVC pipe.	$314,300
20	C	430	Orleans C.S.D.	1200729	1	Peak demand exceeds capacity of gravity sand filters. Existing tank is leaking excessively	Construct a 100,000 gallon storage tank and place a liner in an existing redwood tank	$90,000
20	C	450	VERDE VALE WATER COMPANY	4500007	1	Pressure system causes pump to run excessively. Deteriorating float system makes it difficult to regulate water level. System not fulfilling Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Replace float system in reservoir; Replace pressure system; Update pumping system and electrical to provide the reliability required by the Waterworks Standards.	$10,000
20	C	490	Westhaven C.S.D.	1210024	1	Low pressure in portion of distribution system. At times of high demand, pressure drops to below 20 psi.	Booster station and/or new main line.	$50,000
20	C	500	TRACT 92 C S D	5400903	5	Water Distribution Replacement ProjectProblem Description:Tract 92 Community Service District provides water to the unincorporated area known as Union Addition. This unincorporated community consists of approximately 135 households and one church and	Water Distribution Replacement ProjectProject Description:The proposed project will include the replacement of the existing water distribution system including water mains and service connections. It is estimated that approximately 15,000 linear feet	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	500	TRACT 92 C S D	5400903	3	Safe Drinking Water ProjectProblem Description:Tract 92 Community Service District provides water to the unincorporated area known as Union Addition. This unincorporated community consists of approximately 135 households and one church and is located	Safe Drinking Water ProjectProject Description:The proposed project would include the drilling of a water test well at a new site in the community. The results of the test well will be utilized to design and construct a new water production well. Th	$1,000,000
20	C	500	LSID-Strathmore System	5410036	2	WELL WATER CAPACITY AND AVAILABILITY INADEQUATE DURING WINTER MONTHS-AS BACKUP SUPPLY	MANIFOLD DISTRICT GROUND WATER WELLS TO INCREASE CAPACITY AND YIELD. OTHER - DESIGN AND CONSTRUCTION	$100,000
20	C	510	STARLITE PINES MUTUAL WATER CO INC	4500195	3	Reservoir aged and repairs are required every year. System not fulfilling Section 64560(a)(6) (minimize the effects of structural failure) of the Waterworks Standards.	Repair complete reservoir to provide the reliability required by the Waterworks Standards.	$10,000
20	C	625	TUD-Scenic View/Scenic Brook	5510033	3	DURING PEAK PERIODS, THE WATER TREATMENT PLANT IS A MAXIMUM CAPACITY.	CONSTRUCT A PIPELINE TO INTERCONNECT WITH THE APPLE VALLEY SYSTEM AND DRILL A NEW WELL.	$60,000
20	C	625	TUD-Scenic View/Scenic Brook	5510033	8	The District owns and operates 14 water treatment plants (WTP) that serve 13,000 treated water customers. The majority of these WTPs are of limited treatment capacity and capability. There are an excessive number of water treatment plants for the numbe	The District owns a parcel of land that is adequate for the construction of a surface water treatment plant that could meet the needs of existing customers, committed parcels and existing residents of the community. The proposed project would provide for	$5,342,625
20	C	625	TUD-Scenic View/Scenic Brook	5510033	5	THE CINDER BLOCK TREATED WATER STORAGE TANK IS ON THE VERGE OF COLLAPSE.	CONSTRUCT A 200,000 GALLON STEEL STORAGE TANK.	$142,000
20	C	625	TUD-Scenic View/Scenic Brook	5510033	7	Capacity shortfalls are experienced during peak demands in the Scenic View, Mono Village, and Sonora systems.	Construct a new SWTP to serve the Scenic View, Mono Village, and Sonora systems.	$10,825,000
20	C	625	TUD-Scenic View/Scenic Brook	5510033	2	THE DISTRIBUTION SYSTEM ALONG THE UPPER END OF MIDLAND DRIVE HAS NUMEROUS LEAKS.	REPLACE THE DETERIORATED PIPELINE IN MIDLAND DRIVE.	$48,500
20	C	625	TUD-Scenic View/Scenic Brook	5510033	1	THE HEIGHT OF ONE OF THE TWO STORAGE TANKS NEEDS TO BE RAISED TO PROVIDE ADEQUATE STORAGE CAPACITY TO MEET PEAK SYSTEM DEMANDS.	EXTEND THE HEIGHT OF THE SHORT TANK. ALSO CONSOLIDATE THIS SYSTEM WITH THE APPLE VALLEY AND PHOENIX LAKE PARK SYSTEMS.	$40,000
20	C	630	MD#33 FAIRMEAD	2000554	1	THE SYSTEM DOES NOT HAVE ENOUGH WATER TO MEET THE GROWING NEEDS OF THE SYSTEM.	CONSTRUCT A NEW WELL.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	700	GREEN VALLEY MWC	3610023	2	This project is for the purpose of water distribution system replacement. The project covers replacement of aspestos cement (a.c.) pipe that is approximatly 45 years old. Much of the distribution system is substandard in size 4 inch diameter and does not	Project is to replace existing 45 year old aspestos cement pipe distribution system with minimum standard of 6 inch or greater (as needed) of PVC C-900 pipe. Included in this project will be the replacement of metered service line replacement for domesti	$5,000,000
20	C	700	Feather River RV and MHP	3200148	1	Valves and pipes need replacement where damaged or stressed from age. Shutoff valves inadequate.	Shut down entire system and install pipes where needed and valves where necessary.	$15,000
20	C	707	Del Oro Water Co.-Magalia	410009	1	Water shortage. Degradation of water quality.	Will be alleviated with the current construction of an intertie and new storage tank.	$376,000
20	C	760	Del Oro Water Co.-Johnson Park	4510015	1	System does not meet CA Waterworks Standards for water pressure, line size, and line looping	New 12" and replace 6" & 8" water mains, new 50 MG tank, new 10 HP booster facility, replace well pumps, emergency generator	$3,900,000
20	C	820	Tranquillity Irrigation Dist	1010030	3	Total coliform violations attributed to build up of sulfate reducing bacteria in approximately 5 miles of asbestos cement pipelines in town.	Remove existing asbestos cement pipelines and replace with PVC pipe.	$2,000,000
20	C	820	Tranquillity Irrigation Dist	1010030	1	THE SYSTEM'S RELIABILITY NEEDS TO BE IMPROVED BY THE REPAIR OF TWO WELLS, CONSTRUCTION OF A NEW WELL, REPAIR OF STORAGE TANK AND INSTALLATION OF A NEW STORAGE TANK AND CHLORINATION SYSTEM.	REPAIR WELLS NOS. 4 AND 5, CONSTRUCT NEW WELL NO. 6, IMPROVE TELEMETRY SYSTEM, REPAIR EXISTING ELEVATED STORAGE TANK, INSTALL NEW CHLORINATION SYSTEM, AND INSTALL A NEW STORAGE TANK.	$570,000
20	C	861	San Joaquin County - Wilkinson Manor	3910024	1	SEVERAL (8) NEIGHBORING INDEPENDENT WATER SYSTEMS.	CONSOLIDATE INTO A SINGLE SYSTEM. OTHER = DESIGN AND CONSTRUCTION.	$3,000,000
20	C	868	Normco WC	2700511	1	System needs standby generator, two sets of disinfection equipment, and two pumphouses.	Acquire and install all of the above.	$90,000
20	C	870	Golden State Water-Mor Del Norte	3600270	2	Old, undersized mainline	Replace mainline	$74,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	1	PROBLEM LONG DEAD END LINES. INABILITY TO SERVE PEAK FLOW	LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCT	$875,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	4	LACK OF AVAILABLE STORAGE TO MEET PEAK AND FIRE FLOW	INSTALL NEW 750,000 GALLON WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$750,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	2	WATER SUPPLY SOURCES OF CONCERN DUE TO DBCP CONTAMINATION AND LARGE FIRE FLOW REQUIREMENTS OF INDUSTRY.	NEW WATER SUPPLY WELL EAST OF THE COMMUNITY. OTHER - DESIGN AND CONSTRUCTION	$500,000
20	C	957	San Joaquin County - Thornton	3910009	2	Continuing source water bacteriological failures (total coliform) at Well No. 2 in Thornton.	Construct replacement well including engineering, feasibility study, environmental and property acquisition.	$881,550
20	C	957	San Joaquin County - Thornton	3910009	1	ONE WELL TESTED POSITIVE FOR COLIFORM	DRILL A NEW WELL.	$450,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	1000	Manila Community Services Dist.	1210017	2	Our current capacity is 100,000 gallons, but according to Department of Health Services (DHS) last annual report by Ronnean Lund December 8th, 2005 we are well below the reccommended DHS standard water storage capacity. According to Craig Bunas of DHS o	In order to meet the state dictated compliance and prepare for expected growth of the community the district proposes to build an additional 100,000 gallon storage tank of steel construction with additional piping from the booster pump station and existi	$175,000
20	C	1018	Lake County CSA 2 - Spring Valley	1710018	5	Quantity of water supply is inadequate during peak demand periods.	Increase storage and distribution facilities to improve delivery during high demand periods.	$1,500,000
20	C	1200	Penngrove Water Company (PUC)	4910003	1	No storage.	Add 1 MG tank to adjacent system and consolidate.	$1,750,000
20	C	1236	Laton Community Services District	1010020	2	THE TWO ACTIVE WELLS ARE LOCATED ON THE SAME SIDE OF TOWN AND CAN NOT PROVIDE ADEQUATE WATER TO THE OTHER SIDE OF TOWN IN A RELIABLE MANNER.	CONSTRUCT A NEW WELL ON THE EAST SIDE OF THE SYSTEM.	$348,000
20	C	1236	Laton Community Services District	1010020	1	EXISTING DISTRIBUTION SYSTEM ON LATONIA AND ARMSTRONG AVENUES IS OLD STEEL PIPE AND IS UNDERSIZED.	REPLACE EXISTING LINE WITH A NEW 8" PVC LINE AND RECONNECT SERVICES.	$163,000
20	C	1266	Buttonwillow CWD	1510011	3	Water well number #4 is contaminated with Arsenic (11 to 14 PPB) in excess of State and Federal Safe Drinking Water Maximum Contaminant Level (MCL) of 10 PPB.	The District proposes to install 1,300 feet of 10 inch water line to supply water from the Districts clean wells (#2 and #3) to blend with well #4s Arsenic contaminated water at wellsite #4. A blending station and a 0.5 MG storage tank will be installe	$780,000
20	C	1266	Buttonwillow CWD	1510011	1	INSUFFICIENT WATER FLOW FOR FIRE PROTECTION. NEED TO REPLACE THE EXISTING DISTRIBUTION LINES FOR PROPER WATER DELIVERY.	REPLACE 4" LINES WITH 8" LINES AND LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$250,000
20	C	1300	Knights Landing Svc. Dist.	5710004	1	New well is needed to reliably meet existing water demand.	Construct groundwater well, hydropneumatic tank, auxiliary power unit, controls and piping.	$150,000
20	C	1650	Skyline County Water District	4110015	2	Need emergency back-up generator at single pump station.	Install an emergency back-up generator.	$150,000
20	C	1650	Skyline County Water District	4110015	4	May consolidate with SWS because of SWS's waterworks and source problems.	Grant funds to study system consolidation. Loan funds debt service would like to have incurred by systems requesting consolidation with the district/	$30,000
20	C	1650	Skyline County Water District	4110015	1	Severe pressure fluctuations create potential for backflow hazard.	Construction and pump station in Mountain Meadows area.	$961,000
20	C	1670	Fieldbrook Glendale C.S.D.	1210020	3	Pressures in distribution system in Glendale area below 20 psi during high demands.	Booster pump near Korblex water tank.	$700,000
20	C	1678	Woodville Public Utility Dist	5410025	1	HOLE IN WELL CASING - WELL SANDING	DRILL NEW WELL	$300,000
20	C	2000	MARIPOSA PUBLIC UTILITY DIST	2210001	2	EXCESSIVE WATER LEAKS IN THE WATER DISTRIBUTION SYSTEM.	REPLACE DETERIORATED WATER MAINS WITH NEW MAINS IN CONFORMANCE WITH THE CALIFORNIA WATERWORKS STANDARDS.	$1,185,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	2000	MARIPOSA PUBLIC UTILITY DIST	2210001	4	CONSTRUCTING FACILITIES FOR AN ADDITIONAL WATER SUPPLY TO RELIABLY MEET THE SYSTEM'S DEMANDS.	REFINANCE THE CURRENT BALANCE OF THE ASSESSMENT DISTRICT.	$2,500,000
20	C	2100	Arbuckle Public Utility District	610001	1	Small main lines (1 1/2" and 2"). Low water pressure for domestic service.	Replace or install 2,300 feet of water main.	$125,000
20	C	2500	Cobb Area County Water District	1710012	4	Several areas of the District are served by steel pipe that has become less and less reliable due to its age.	Replace existing steel mains with pipes more impervious to corrosion.	$195,000
20	C	2500	City of Portola	3210003	2	See attached	See attached	$1,681,500
20	C	2500	Cobb Area County Water District	1710012	3	Bolted steel tank, circa 1940, has obvious signs of metallurgic failure.	construct new storage tanks.	$94,000
20	C	3239	Armona Community Services Dist	1610001	6	Insufficient water supply to serve existing population while meeting secondary water quality standards.	Install a new well.	$800,000
20	C	3239	Armona Community Services Dist	1610001	4	WATER QUALITY PROBLEMS. NEEDS TO DRILL NEW WELL OR INSTALL A WTP	NEEDS TO DRILL NEW WELL OR INSTALL A WTP	$2,186,300
20	C	3239	Armona Community Services Dist	1610001	2	DRILL NEW WELL TO MEET FIREFLOW AND PEAK DEMANDS	DRILL A NEW WELL AND AQUIRE PROPERTY. OTHER - DESIGN AND CONSTRUCTION	$650,000
20	C	3239	Armona Community Services Dist	1610001	5	Currently, there is insufficient water supply to meet the peak demands of the community at appropriate water pressure.	Install new water storage tank at Well Site No. 2.	$500,000
20	C	3441	Angels, City of	510003	3	Substandard 35 year old 10" diameter steel main serving City of Angel. Multiple leaks	Replace 3750 linear feet of 10" diameter steel main with 10" diameter C900 main.	$298,375
20	C	4613	GSWC - WILLOWBROOK	1910072	2	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$100,000
20	C	4613	GSWC - WILLOWBROOK	1910072	3	UNABLE TO DISINFECT MWD CONNECTION	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$15,000
20	C	4613	GSWC - WILLOWBROOK	1910072	1	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$100,000
20	C	5000	BIGHORN - DESERT VIEW WATER AGENCY	3610009	1	Need to identify water quantity and quality information to serve potential development and establish needed capital projects to meet that need.	Prepare a water resource plan	$300,000
20	C	5132	Coachella VWD: I.D. NO. 8	3310048	1	Old deteriorating water mains installed in the 1950's are routinely leaking and or breaking.	Replace distribution pipelines to prevent contamination caused by leaks or breaks in the pipelines. In addition, extend and loop distribution pipelines to eliminate dead end lines per CA Water Works Standards, Chapter 16.	$1,000,000
20	C	5200	Lakeport, City of	1710004	3	Diminishing water production capacity, low water pressures.	Provide additional water production facilities and upsize lines.	$5,300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	5412	Montara Water and Sanitary District	4110010	3	Insufficient capacity in aquifer resulting in unreliable water supply.		$1,000,000
20	C	5412	Montara Water and Sanitary District	4110010	15	System requires standby diesel powered generator for increased reliability.	Standby diesel powered generator (including diesel storage tank).	$206,000
20	C	5412	Montara Water and Sanitary District	4110010	13	Portola tank requires telemetry and booster pump for increased reliability.	Portola tank 100,000 gal telemetry and booster pump.	$140,000
20	C	5412	Montara Water and Sanitary District	4110010	14	System requires electrical rehabilitation for greater reliability.	Elecrtrical rehabilitation (including MCC units , conduit/siring)	$156,000
20	C	5412	Montara Water and Sanitary District	4110010	1	Insufficient capacity in wells resulting in unreliable water supply.	Improve capacity of Portola, Alta Vistam Drake, Park, and Wagner wells.	$1,000,000
20	C	5412	Montara Water and Sanitary District	4110010	9	Reservoir rehabilitation.	Replace school house tank ,rehab Alta Vista tank, repair or replace Potola tank.	$1,550,000
20	C	5412	Montara Water and Sanitary District	4110010	20	Alta Vista Water Treatment Plant requires improvements for system reliability.	Alta Vista water treatment plant	$250,000
20	C	5412	Montara Water and Sanitary District	4110010	19	Park and Guntren wells require improvements for system reliability.	Park and Gutren Well improvements	$460,000
20	C	5412	Montara Water and Sanitary District	4110010	18	Airport well #4 requires improvements for system reliability.	Airport well #4 Improvements	$238,000
20	C	5412	Montara Water and Sanitary District	4110010	6	Distribution valves are unreliable and need replacement.	Installation and/or replacement of pressure relief, check and control valves.	$281,810
20	C	5412	Montara Water and Sanitary District	4110010	17	System requires telemetry facilities for increased reliability.	Telemetry facilities to Alta Vista storage tank.	$39,000
20	C	5412	Montara Water and Sanitary District	4110010	16		Telemetry facilities from airport well to school house tank.	$47,000
20	C	5412	Montara Water and Sanitary District	4110010	5	Distribution mains need replacement due to age and unreliablity.	Main replacement and installation.	$1,843,568
20	C	5500	MAYWOOD MUTUAL WATER CO. #1	1910084	2	Tank damaged by earthquake. If tank fails, will be out fo water.	New storage tank.	$500,000
20	C	5812	Holtville, City of	1310005	5	Expand the existing clearwell storage at water treatment plant in order to have an adequate supply to service residence to be annexed which are currently receiving raw unfiltered canal water which does not meet coliform standards.	See attached description (attachments 2).	$2,302,050
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	9	Leaky, old, undersized distribution mains	Install and replace 6,000 feet of distribution main.	$1,121,000
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	8	Leaky, old undersized water mains.	Install and replace 5,000 feet of water main.	$838,000
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	7	Old, leaky, undersized main	Install and replace distribution mains.	$1,014,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	5	No emergency power, limited storage, no telemetry; leaky, old, undersized mains.	Install redundant pumps, emergency generator, and SCADA; Install 1,700 feet of 6-inch water main.	$565,000
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	4	Water outage during power outages due to communication failure between sites. Leaky, old, undersized pipe	Construct 120,000-gallon storage tank, hydropneumatic booster station with emergency power connection. Install 4,000 ft of 6-inch water main.	$1,000,000
20	C	6000	Sweetwater Springs CWD - Guerneville	4910004	6	Leaky, old undersized water mains.	Install and replace 6000 feet of distribution main.	$1,121,000
20	C	6525	City of Orland	1110001	1	Insufficient storage capacity according to the Department of Health Services.	Replace old 80,000 gallon elevated storage tank with a new 1 MG storage tank.	$1,500,000
20	C	7218	TEHACHAPI, CITY OF	1510020	1	PRESSURE FLUCTUATION HIGH END OF THE SYSTEM	INSTALL 250,000 GALLON HOLDING TANK. OTHER - DESIGN AND CONSTRUCTION	$180,000
20	C	7218	TEHACHAPI, CITY OF	1510020	4	LACK OF BACKUP BOOSTER CAPABILITIES FROM WELLS TO STORAGE	INSTALL SECONDARY BOOSTER PUMP	$30,000
20	C	7218	TEHACHAPI, CITY OF	1510020	2	LACK OF EMERGENCY POWER	INSTALL EMERGENCY GENERATOR - PINION WELL	$47,000
20	C	7218	TEHACHAPI, CITY OF	1510020	3	NUMEROUS SERVICE LINE FAILURES IN OLDER SECTIONS OF THE CITY	REPLACEMENT OF FAILING SERVICE LINES	$1,647,500
20	C	7218	TEHACHAPI, CITY OF	1510020	5	INABILITY TO TRANSFER WATER FROM PINION WELL TO STORAGE TANKS	INSTALL 2,000' OF 10" PIPE FROM PINION WELL TO CURRY STREET STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION.	$66,400
20	C	7305	Woodlake, City of	5410020	7	Our 500,000 gallon water storage tank (city has only one) has been determined (by an outside engineering firm) to be in danger of collapse. Portion of their report states It is this engineers preliminary assessment that the steel tank is in a state of p	The Citys contract Engineering firm has determined that enough surface area at the project site (a hill) will allow for the construction of a 500,000 gallon tank adjacent to the existing tank. Preliminary design has concluded that a retaining wall must b	$1,500,000
20	C	7500	MUSCOY MWC NO. 1	3610031	2	Well 1 does not meet state standards, structure subject to vandalism	Rehabilitate well and block wall	$90,000
20	C	7500	MUSCOY MWC NO. 1	3610031	1	Old transmission lines	Replace transmission lines	$637,715
20	C	8000	Clear Creek CSD-Anderson	4510016	1	No alternate source of water for emergency. Deadend lines need to be looped to fulfill Section 64560(a)(6) (minimize the effects of equipment failure) and Section 64626 (layout of water mains) of the Waterworks Standards.	Drill new well and loop deadend lines to provide the reliability required by the Waterworks Standards.	$850,000
20	C	8495	PINEDALE COUNTY WATER DISTRICT	1010026	1	Some of the District's water mains are old and deteriorated.	Install new water mains and water meters.	$4,650,000
20	C	10115	CHOWCHILLA CITY WATER DEPT	2010001	4	UNDERSIZED AND DETERIORATED PIPE. SYSTEM FAILS DOMESTIC AND FIREFLOW PRESSURES.	INSTALL NEW 8" WATER PIPE LOOP AND REPLACE PIPE WITH 8" AND 10" PVC. OTHER - DESIGN AND CONSTRUCTION	$506,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	10115	CHOWCHILLA CITY WATER DEPT	2010001	5	UNDERSIZED AND DETERIORATED 6" AND 8" PIPE. SYSTEM FAILS DOMESTIC AND FIREFLOW REQUIREMENTS	REPLACE PIPE WITH NEW 12" PVC MASTER LOOP SYSTEM FROM WELL #10. OTHER - DESIGN AND CONSTRUCTION	$557,000
20	C	10115	CHOWCHILLA CITY WATER DEPT	2010001	3	UNDERSIZED MAINS. SYSTEM FAILS CURRENT DOMESTIC AND FIRE FLOW REQUIREMENTS	REPLACE WITH 8" PVC PIPE. OTHER - DESIGN AND CONSTRUCTION	$200,000
20	C	10115	CHOWCHILLA CITY WATER DEPT	2010001	1	UNDERSIZED AND OLD DETERIORATED 4" STL WATER PIPE THAT IS OVER 55 YRS OLD. SYSTEM FAILS TO MEET CURRENT STANDARD DOMESTIC AND FIREFLOW PRESSURES.	INSTALL 8" AND 12" PVC PIPE. LOOP THE SYSTEM WITH 12" MAIN CONNECTING TO THE WATER WELL. OTHER - DESIGN AND CONSTRUCTION	$335,000
20	C	10115	CHOWCHILLA CITY WATER DEPT	2010001	2	DETERIORATED AND COLLAPSED CASING IN OPEN BOTTOM WELL, SHUT DOWN IN 1995.	CONCRETE SEAL EXISTING OPEN-BOTTOM WELL #5 THAT WAS ABANDONED DUE TO FAILURE IN 1995 AND DRILLED NEW WELL TO LARGER SIZE AND DEPTH TO PROVIDE REQUIRED DOMESTIC AND FIRE FLOWS TO SERVE EXISTING DEVELOPED AREA. OTHER - DESIGN AND CONSTRUCTION	$400,000
20	C	10247	TUD - Sonora/Jamestown Water System	5510001	4	MCKIBBIN DRIVE PIPELINE IS AN OLD WRAPPED STEEL PIPE THAT IS LEAKING.	REPLACE THE STEEL PIPE WITH A NEW PVC PIPE.	$52,000
20	C	10247	TUD - Sonora/Jamestown Water System	5510001	1	INSUFFICIENT STORAGE DURING PEAK DEMAND PERIODS.	CONSTRUCT A 1 MILLION GALLON TREATED WATER STORAGE TANK.	$420,000
20	C	11185	Lindsay, City of	5410006	1	DISTRIBUTION PROBLEMS	CANAL SUPPLY LINE, 2.5 MG STORAGE TANKS, TWO NEW WELLS, INFRASTRUCTURE IMPROVEMENTS, PRESSURE SYSTEM LOOPS, RAW WATER TREATMENT PLANT IMPROVEMENTS. OTHER - DESIGN AND CONSTRUCTION	$12,842,000
20	C	11405	Del Oro Water Co.-Paradise Pines	410011	1	Water shortage of 1,000 gpm.	Well exploration and development.	$500,000
20	C	11405	Del Oro Water Co.-Paradise Pines	410011	2	Storage shortfall and Tanks #1 and #2 need rehabilitation.	Construction of 1.5 MG storage tank, and interior sandblasting and recoating plus exterior painting of Tanks #1 and #2.	$1,017,500
20	C	14000	Lamont Public Utility Dist	1510012	4	Lack of sufficient water supply and storage facilities. Loss of any one well puts system in jeapordy.	Drill one new water well of approximately 3000 gpm capacity and construct one new reservoir of approximately 1 MG capacity.	$1,500,000
20	C	14000	TRACT 180 MUTUAL WATER CO.	1910159	1	Transmission lines were installed in the late 1940's and early 1950's. They are deteriorating. Experience 3 - 4 main leaks per day at times	Replace water mains/transmission lines.	$1,500,000
20	C	14005	City of Red Bluff	5210004	11	Single watermain connecting two ends of water system.	Install a transmission watermain in Antelope Blvd.	$1,100,000
20	C	14005	City of Red Bluff	5210004	16	Low pressure in areas of the city. Inadequate main line size in areas. Absence of looping in parts of the system.	Install 1MG storage reservoir and well. Loop two major service areas with appropriate size mains.	$3,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	14005	City of Red Bluff	5210004	3	Inadequate storage capacity.	Construct 1MG storage reservoir.	$1,305,000
20	C	14005	City of Red Bluff	5210004	5	Water circulation problems between Well #4 and Well #8.	Construct joining pipeline between Well #4 and Well #8.	$100,000
20	C	14005	City of Red Bluff	5210004	4	Long dead end watermain to hospital.	Loop water system to remove dead end to hospital.	$800,000
20	C	14005	City of Red Bluff	5210004	6	Water pressure and flow problems between Walnut/Paskenta/Airport roads.	Install new pipeline.	$600,000
20	C	14005	City of Red Bluff	5210004	9	Inadequate water service along Sale Lane.	Install 16" watermain to alleviate water pressure and service problems.	$800,000
20	C	14005	City of Red Bluff	5210004	8	Lack of storage capacity in zone north of Hwy 36E/99E.	Construct new 1MG reservoir.	$1,305,000
20	C	14098	San Jacinto, City of	3310032	1	Shortage of well capacity, water quality problems due to iron and manganese. Also, the City's distribution system is very old and under sized creating low-pressure problems.	The City plans to drill two more wells, build one or two Fe/Mn treatment plants, upgrade and replace the old distribution mains. Add additional surface storage.	$1,500,000
20	C	14501	Shafter, City of	1510019	1	A LOW-INCOME AREA WAS ADDED TO SYSTEM AND IN PUTTING A BURDEN ON THE SYSTEM. THE NEW AREA IS ISOLATED FROM THE SYSTEM	DRILL A NEW WELL IN THIS AREA AND ADDING A STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$475,000
20	C	15132	McKinleyville C.S.D.	1210016	1	Need backup supply; vulnerability to seismic disruption.	Construct new wells and retrofit existing facilities.	$946,790
20	C	16180	WALNUT PARK MUTUAL WATER CO.	1910169	1	Old reservoirs are in need of replacement. Insufficient water supply.	Design and construct two (2) new tanks, one domestic well and new pumping station.	$975,000
20	C	16349	Avenal, City of	1610002	2	POWER OUTAGES IN SWTR DUE TO LACK OF BACK-UP GENERATOR	INSTALL EMERGENCY GENERATOR. OTHER - DESIGN AND CONSTRUCTION	$390,000
20	C	16349	Avenal, City of	1610002	3	A BACK-UP MAIN AND RE-LIFT PUMPING PLANT CAN ONLY OPERATE AT ONE HALF THE DESIGN FLOW RATE UNDER MANUAL CONTROL.	REPLACE THE MAIN AND RELIFT TELEMETRY CONTROL SYSTEM, PUMP MAINFOLDS, VALVING AND SWITCH GEAR AS REQUIRED TO MAINTAIN AN EMERGENCY BACKUP PUMPING PLANT SYSTEM FOR FUTURE OUTAGES. OTHER - DESIGN AND CONSTRUCTION	$190,000
20	C	16349	Avenal, City of	1610002	6	EASTERLY SIDE OF DISTRIBUTION SYSTEM EXPERIENCES LOW PRESSURE PROBLEMS UNDER MAXIMUM WATER DEMAND CONDITIONS.	CONNECT TO THE PRISON HIGH PRESSURE PIPELINE WITH PRESSURE REDUCING STATIONS. FIRE HYDRANTS, VALVES, AND PIPELINES SHALL BE REPLACED TO IMPROVE THE RELIABILITY OF THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$250,000
20	C	16800	West Kern CWD	1510022	1	WELLFIELD CONNETED BY 30 YEAR OL 30" PIPELINE 7.5 MILES LONG.	REPLACE 30" PIPELINE WITH 36" PIPELINE	$5,925,397
20	C	16800	West Kern CWD	1510022	2	Residents experience lower than normal water pressure and minimum flow for fire hydrants cannot be maintained by the District.	Construction of 900,000 gallon water storage tank.	$898,754

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	17500	TWENTYNINE PALMS WATER DIST	3610049	2	Old mainline	Replace 46 miles of mainline	$5,000,000
20	C	17500	TWENTYNINE PALMS WATER DIST	3610049	1	Need additional storage	Construct 2 MG reservoir	$1,200,000
20	C	18569	HUNTINGTON PARK-CITY, WATER DEPT.	1910049	1	1) Contaminated water wells. 2) Cracked & leaking old concrete water reservoirs. 3) Undersized water mains. 4) Water wells that need to be properly abandoned 5) Elevated water storage that is obsolete and not earthquake or siesmic safe.	Design and construct replacement facilities. Develop a priority list.	$17,000,000
20	C	19000	Humboldt C.S.D.	1210009	1	Humboldt Hill and Pine Hill areas of the system experience sporadic bacteriological positives, traced to sanitary and structural problems with Humboldt Hill reservoir.	Replace the defective Humboldt Hill reservoir. Include related projects dealing with reliability in area.	$1,947,000
20	C	20047	Hemet, City of	3310016	2	Based on 1997 annual inspection and based on projected growth the City needs to increase our service of water.	Drilling of well	$550,000
20	C	20047	Hemet, City of	3310016	4	Based on 1997 annual inspection, the City does not beet the minimum storage requirements.	To build 5 MG reservoir.	$1,500,000
20	C	20047	Hemet, City of	3310016	3	Based on 1997 annual inspection, the City needs to increase our source of water.	Drilling of well.	$550,000
20	C	23950	CWS - Selma	1010024	1	PEAK FLOW DEMAND IS EXPECTED TO EXCEED PRODUCTION CAPACITY OF EXISTING WELLS DURING THE SUMMER MONTHS.	CONSTRUCT A ONE MILLION GALLON STORAGE TANK AND BOOSTER PUMP FACILITY.	$805,000
20	C	25694	Brawley, City of	1310001	4	Water line distribution system is inadequate and aging causing inadequate water supply to existing residents. In addition, the age of the distributions system results in an inordiante amount of breakage causing interruptions of water serice to City.	City wide replacement of aged distribution system. Redesign of the system to provide better system with less possibility of interruption.	$12,500,000
20	C	28500	Banning, City of	3310006	2	No storage in the Northend of the Water system. Need storage to meet the peak demands,	Construct additional storage of approximately 4 million gallons.	$5,000,000
20	C	45892	City of Brentwood	710004	3	Construct a new water treatment plant to improve water quality and supply.	Design and construct a new water treatment plant to meet the standards in Section 64653 and the demands on the system.	$44,000,000
20	C	45892	City of Brentwood	710004	4	Replace polybutylene lines in the distribution system that cause leaking and water quality problems.	replace polybutylene lines	$400,000
20	C	45892	City of Brentwood	710004	9	Replace water main (4-in) that has low flow with 6-in. pipe.	Replace the lines to these homes with 6" lines. Replace meters and hydrants for more efficient and healthier system.	$430,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	45892	City of Brentwood	710004	5	Study and apply treatment to the well water that exceeds nitrate MCL standard.	Do a Nitrification Study master plan to determine the best way to to treat well water for nitrate problems.	$100,000
20	C	45892	City of Brentwood	710004	2	Rehabilitate decommissioned water treatment plant for potable water supply.	Do a strudy to determine the most efficient and practical manner to update the plant. Design the plant upgrades and construction to update and modernize the existing water treatment plant to bring it into compliance with the SWTR.	$2,000,000
20	C	45892	City of Brentwood	710004	19	Provide emergency power to the wells.	Purchase and install 5 emergency generators at the above locations.	$600,000
20	C	45892	City of Brentwood	710004	12	Investigate and rehabilitate Wells 7 & 8 that occasionally have water quality problems.	TV the wells and check for any holes or cracks in the sleeve.	$150,000
20	C	45892	City of Brentwood	710004	11	Replace aging/failing valves in the distribution system with new ones.	replace 255 of the 3000 valves with new valves and dresser couplers.	$850,000
20	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	2	Aged 2.5 MG Plant #2 reservoir create possible structural and contamination problem.	Design and construct a replacement storage facility of similar capacity to the existing structure.	$1,500,000
20	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	4	Refinance. Poor reliability of undersized water mains in the recently purchased portion of the County Water Co. located in the city's boundaries.	In 1997, the City replaced the mains and services to upgrade the water pressure and improve service to the customers.	$130,700
20	C	68297	Jurupa Community SD	3310021	5	Insufficient water supply due to increasing nitrate levels of welss along van Buren Blvd. T25/R6W - Section 9 SBBM	Ion exchange treatment of groundwater supplies. (see attached report)	$2,000,000
20	C	68297	Jurupa Community SD	3310021	1	Insufficient water storage facilities (see attached documents).	Construct 2 MG welded steel water storage facilities at Jurupa Community Services District's 980' PZ storage tank site.	$940,000
20	C	68297	Jurupa Community SD	3310021	8	Nitrate levels in wells. Reranked to M from F (Dist let 9/20/01)	Distribution system improvements to pump safe water to system to reduce nitrate levels.	$721,000
20	C	68297	Jurupa Community SD	3310021	2	Insufficient water supply due to high nitrate wells being taken out of service and wells with coliform (see attached documents).	Drill a municipal well that will yield 1,300 gpm and connect into the District's San Sevaine Way Pipeline..	$500,000
20	C	68297	Jurupa Community SD	3310021	4	Lack of a pipeline to consolidate the Company's service area with Jurupa CSD to increase system reliabilty (See attached documents).	Construct a 12" CML/CMC from the District's Bain St. pipeline along Mission Blvd. To Avon St. (Figure 1).	$650,000
20	C	68297	Jurupa Community SD	3310021	3	Replace water line that have 3 or more leaks per year.	Replace piplines as shown on Figure 1 (see attached documents).	$458,000
20	C	68297	Jurupa Community SD	3310021	6	System has insufficient water supply to reliably meet demands.	Convert two wells used by Space Center Mira Loma, Inc. to municpal purposes.	$600,000
20	C	68297	Jurupa Community SD	3310021	7		Construct the Riverside North Groundwater Basin Project (see attached report).	$5,400,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	4	WASTON WELL HAS TCE>7 PPB AND DETECTABLE PCE	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT WATSON SITE.	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	5	TCE AND PCE CONTAMINATED WELLS (GAGE WELL #1 AND #2, TCE,PCE NEAR MCLS)	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT GAGE SITE.	$300,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	1	DARWELL WELL HAS BEEN OFF-LINE DUE TO TCE>10 PPB. PCE AND OTHER VOCS ARE ALSO PRESENT. ALSO CONFIRMED CR > MCL.	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT DARWELL SITE.	$300,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	2	BISSELL WELL #1 HAS 1,2 DCA > MCL	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT BISSELL SITE.	$300,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	7	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$700,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	6	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$320,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	3	HOFFMAN WELL #2 HAS BEEN OFF-LINE DUE TO TCE>10 PPB.	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT HOFFMAN SITE.	$300,000
20	C	68645	GSWC - BELL, BELL GARDENS	1910011	8	UNABLE TO DISINFECT MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$15,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	2	Low pressure, undersized mains in area bounded by San Vicente, Bullis, Compton Blvd. and Holly.	Replace mains with 8" D.I. Project involves: Design, and Construction	$1,400,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	1	Low pressure, undersized mains, mains located in easements in area bounded by Acacia, Douglas, Willowbrook, and Winnona.	Replace mains with 8" D.I. and relocate to streets. Project involves: Design, and Construction	$700,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	6	Low pressure, undersized mains in area bounded by Marcelle, Burris, Greenleaf & Temple.	Replace main with 8" D.I. Project involves: Design and Construction	$1,200,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	4	WW standards defects. Low pressure in NE section of system; leaks, outages in major pipeline.	Design and construct 12 inch D.I., 10,000 feet, replacement pipeline in Long Beach Blvd.	$1,600,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	7	Low pressure, undersized mains in area bounded by Oaks, McDevitt, Rosecrans & Van Ness.	Replace mains with 8" D.I. Project involves: Design and Construction	$1,800,000
20	C	71000	COMPTON-CITY, WATER DEPT.	1910026	5	Low pressure, undersized Mains, in the area bounded by Alondra, Long Beach Blvd., Marcelle and Panness.	Replace mains with 8" D.I. Project involves: Design and Construction	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	N	26	Lucerne Valley Parks & Rec (CSA 29)	3600452	1		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	$3,700,000
20	N	30	Association of Well Owners	3600541	1	Multiple mainline leaks	Replace mainline and meters	$15,000
20	N	55	Covington Mill - A	5301103	2	System has only one approved source of supply.	Develop a second deep well site to augment the existing well, and provide addditional source reliability.	$30,000
20	N	90	ALPINE VILLAGE WATER CO.	5400708	1	EXISTING STORAGE TANK LEAKS DUE TO RUSTED FLOOR. INABILITY TO ISOLATE PORTION OF SYSTEM TO REPAIR LEAKS. INABILITY TO MEET PEAK DAILY DEMAND DURING DRY SEASONS.	INSTALL NEW STORAGE TANKS, LOOP THE WATER SYSTEM, ADD VALVE TO ISOLATE THE SYSTEM, INSTALL A CENTRAL PUMP CONTROL SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$68,300
20	N	400	JH Ranch	4700807	1	System has no gravity storage and experiences low pressures during peak demands.	Have already installed storage tanks with own funds. Need to install piping and controls to connect tanks with existing water system.	$75,000
20	N	600	CSP-Armstrong Redwoods State Reserve	4910306	1	Exisitng AC transmission lines separating two areas of park are failing.	Develop new well at north end of park to serve north day use area.	$85,000
20	P	32	Cedar Lodge Resort	2210900	1	THE SOURCE CAPACITY IS UNRELIABLE.	INSTALL ADDITIONAL WELLS OR A SURFACE WATER TREATMENT PLANT TO TREAT WATER FROM THE MERCED RIVER.	$200,000
20	P	40	Deep Springs College	1400068	2	Inadequate distribution system piping	Replace distribution system piping	$60,000
20	P	40	Deep Springs College	1400068	1	Inadequate storage capacity	Construct new tank	$30,000
20	P	100	SAN BENANCIO SCHOOL WS	2701227	1	Water system is old and deteriorating and has no back-up system. The school needs a dependable water supply.	The system would like to physically consolidate with Ambler Park Water Company.	$175,000
20	P	100	DIAMOND VALLEY SCHOOL	202501	1	Only one well source and pressure is very low.	Increase depth and capacity of wells and holding tanks for fire and pressure problem.	$35,000
20	P	120	Devil's Garden Conserv. Camp	2510800	1	Deterioating storage tank, no disinfection; one well (no back-up system).	Drill a new well, install new tank and install new disinfection system, including building.	$250,000
20	P	130	IGO ONO SCHOOL	4500188	1	Pipes in ground and in school building are rusty and leaking. System not fulfilling Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Remove and replace all pipes leading from storage tank into the old school building to provide the reliaiblity required by the Waterworks Standards.	$50,000
20	P	150	TEHAMA CO.-WALNUT ST. COMPLEX	5200005	1	See attached notes	See attached notes	$10,000
20	P	172	Capay Joint Union Elem. School	1100527	1	The main waterline from the well has a restriction in it allowing only 15 gpm of water usage.	Improve waterline and install another 525 gallon tank in-line with the other one.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	P	670	RIO TIERRA JUNIOR HIGH SCHOOL	3400263	1	The site well and associated motor, storage tank are deteriorating and have reached the end of their life cycle. These were installed when the school was built in 1964. The well water has often times tested positive for coliform.This project will allo	Project will consist of tying (consolodation) into city water system. Trenching 550 ft. and laying six inch water main.Installing backflow device at city tie-inRe-routing of existing water line from well to new six inchwater main from city main.Disase	$203,000
20	P	1400	GRANT HIGH SCHOOL (SWS)	3400259	1	The site well and associated motor and storage tank are deteriorating and have reached the end of their life cycle. These were installed when the school was built in the early fortys. The well water has often times tested positive for Coliform.The proj	The project will consisit of tying (consolodating) with a large water system.Trenching 800 ft. to city tie in.Installing six inch water main to school.installing backflow device at city tie in.Re-routing of existing water line to new six inch main.Re	$185,000
20	P	2050	DON JULIO JUNIOR HIGH SCHOOL	3400260	1	The well and associated motor, storage tank are deteriorating and reached the nd of their life cycle. They were installed when the school was built in 1962. The well water has often times tested positive for Coliform. Consolodating with a large water syst	The project will consist of of tying i(consolodation) into the city water system. Trenching approximately 600 ft. Installing a six inch watr main to the site.Installing backflow device at city tie in.Re-routing of existing water to new six inch main.	$220,000
15	C	20	LAKE SUCCESS MOBILE LODGE	5400660	1	Lake Success Mobile Lodge is supplied with potable water by one groundwater well, which has a history of nitrate contamination (appx 55 ppm). In light of the current drought conditions being experienced throughout the State of California, relying on a so	Lake Success Mobile Lodge currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. In additio	$1,000,000
15	C	22	DOYAL S MOBILE HOME PARK	1000405	1	Single well, if it fails, system is out of water	Drill a new well or interconnection if possible.	$200,000
15	C	28	Sierra North Community Services District	1400109	1	Inadequate source and storage capacity	Construct new well and tank	$25,000
15	C	40	Keough s Hot Springs	1400034	1	Old, substandard distribution system	Construct new distribution system	$75,000
15	C	40	Keough s Hot Springs	1400034	3	Inadequate source and storage capacity	Construct new well and tank	$50,000
15	C	40	Keough s Hot Springs	1400034	2	Single well supplies system	Construct new well and tank	$41,500
15	C	44	PLANTATION MOBILE HOME PARK	3400401	1	Provide a redundant source to a single source water system.	Intertie with a large water system with appropriate piping and backflow preventer.	$10,000
15	C	45	Sunrise Shore Mutual Water Company	1700536	1	Well source influenced by surface water. Aging distribution system.	Install conventional filtration. Replace distribution system.	$150,000
15	C	48	MINERAL MOUNTAIN MUTUAL WATER	500019	2	UNSATISFACTORY DISTRIBUTION LINES	REPLACE THIN WALL PVC LINES WITH SCHEDULE 40 PVC	$10,000
15	C	50	H & J WATER COMPANY	3700073	3	Two-inch diameter water mains.	Install four-inch diameter mains.	$21,000
15	C	52	CEDAR CREEK MOBILEHOME PARK	4500063	1	The spring source and storage tank are shared with a a school, making it difficult to fulfill Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Drill two wells and install pressure tanks and distribution lines to proivde the reliaiblity required by the Waterworks Standards.	$15,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	60	MAMMOTH POOL MOBILE HOME PARK	2000589	1	INADEQUATE SUPPLY RESULTS IN LOW PRESSURES.	INSTALL A NEW PUMP AND STORAGE TANK, AND A TREATMENT SYSTEM.	$15,000
15	C	60	MAMMOTH POOL MOBILE HOME PARK	2000589	2	Well is in close proximity to a surface water source. However, sampling results have not shown that it is under the direct influence of surface water. System has no storage.	Construct a new well and install storage.	$17,500
15	C	69	Longview Mobile Estates, Rosamond	1500421	1	Longview Mobile Estates has only well. Therefore, the water system is not reliable.	As part of this project, Longview Mobile Estates will either drill a second well or develop an intertie with Rosamond CSD	$500,000
15	C	80	DOUBLE L MOBILE RANCH PARK	1000248	1	Single well if it goes out during drought, system is out of water.	Drill a new well or interconnection if possible.	$200,000
15	C	85	SIERRA TWAIN HARTE MOBILE PARK	5500096	1	SYSTEM'S TWO WELLS CAN NOT SUPPLY ENOUGH WATER IN THE SUMMER MONTHS.	CONSTRUCT AN ADDITIONAL WELL.	$25,000
15	C	90	SANDY POINT MOBILE HOME PARK	1000254	1	Single well, if the well fails, the systme will be out of water.	Drill a new well or interconnection if possible.	$200,000
15	C	95	DESERT BREEZE MOBILE HOME ESTATES	1502247	2	Desert Breeze MHP has only well. Therefore, the water system is unreliable.	As part of this project, Desert Breeze MHP will develop an intertie with Rosamond CSD via a master meter. Rosamond CSD's pipeline is less than 1,000 feet away.	$500,000
15	C	99	BERRY CREEK COMMUNITY SER DIST	400016	1	Water system has a number of leaky distribution system mains.	Replace distribution system main piping.	$50,000
15	C	100	CASCADE RACQUET CLUB MUTUAL WATER	4500012	1	System has insufficient storage and lack of standby power. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failure) and Section 64564 (storage volume) of the Waterworks Standards.	Construct hydropneumatic storage tank; build larger pumping facility with standby generator to provide reliability required by the Waterworks Standards.	$40,000
15	C	100	BEAR STATE WATER WORKS	900217	1	Needs second source and storage tank.	Add new well, storage, and treatment facilities. Involves study, design and construction.	$200,000
15	C	100	SA#14 CHUK CHANSE SUBDIVISION	2000724	1	The system has experienced several total coliform MCL violations, however, none since September 2005. The well also produces an adequate source of supply.	Construct a new well and replace portions of the distribution system.	$850,000
15	C	100	Foothill Lone Pine Mobile Home Park, LLC	1400037	1	Single well, inadequate storage capacity	Construct new well and tank	$48,000
15	C	105	TUCKER OAKS EAST WATER DISTRICT	4500303	3	A second (backup) pump is needed to fulfill Section 64560 (a)(6) (minimize the effects of power supply failue) of the Waterworks Standards.	Install a second pump in the well casing in order to work in tandem with the existing pump and serve as a backup in the event of the failure of one pump to provide the reliability required by the Waterworks Standards.	$12,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	105	TUCKER OAKS EAST WATER DISTRICT	4500303	1	Water supply recently determined as corrosive, causing pitting and leaks in cold water copper pipe within the homes served. System not fulfilling Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Add metered chemical to water supply at the well head to raise pH to 8.0 or above and thereby eliminate corrosivity and provide the reliability required by the Waterworks Standards.	$20,000
15	C	125	Plaza Mobile Home Park	4900787	2	low water pressure because one well can't handle system demand	Activate second existing non-operating well by installing new pump, chlorination system, and enclosure.	$10,000
15	C	125	Plaza Mobile Home Park	4900787	1	Low water pressure because well can't handle the demand.	Activate 2nd existing nonoperational well by installing new pumps and chlorination system and enclose.	$10,000
15	C	125	Spaulding/Eagle Lake MWC	1800534	1	Low water pressure.	Replace 2-inch pipes with 6-inch pipes throughout the water system.	$125,000
15	C	130	BIRCHIM COMMUNITY SERVICE DIST	2600501	1	Old mainline	Replace mainline	$250,000
15	C	135	Abrams Lake Mobile Estates	4700542	2	One spring house pump and the booster pump have broken down and are inoperable.	Replace spring house pump and booster pump.	$10,000
15	C	140	CWS-GRAND OAKS WATER SYSTEM	1500374	1	INADEQUATE DISTRIBUTION SYSTEM AND STORAGE RESULTING IN PERIODIC LOW PRESSURE DURING PERIODS OF HIGH DEMAND	DRILL AND EQUIP NEW WELL AND INSTALL ADDITIONAL STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION.	$200,000
15	C	150	VOLTA COMMUNITY SD	2400201	1	NO BACK-UP CAPACITY OR ELECTRICAL POWER FACILITIES.	DRILL NEW WELL AND PROVIDE GENERATOR.	$50,000
15	C	150	MD#24 TEAFORD MEADOW LAKES	2000552	2	System wells are not able to keep up with water demand. Water system is in a critical fire hazard zone. System cannot provide fire protection needs with current production, storage and distribution system. Current storage tank is to small and is beyond it	PROJECT DESCRIPTIONDrill high production well and install new tank and well controls. Replace current distribution system and storage tank.	$1,000,000
15	C	170	Michele Mutual Water Company	4900552	1	Aging system, steel pipes circa 1956, mains: 4 & 6 inch.	Replace mains and upgrade hardware in the process: 40,000 gal redwood tank, approx. 7,400 feet of mains, wells and pumps as required.	$190,000
15	C	175	Oak Glen Domestic Water	3600185	1	Old substandard mainline	Replace mainline	$200,000
15	C	182	Del Oro Water Co.-Walnut Ranch	600011	1	Need additional water source.	Construct additional water source and pipeline appurtenances.	$150,000
15	C	200	LOWER ROCK CREEK MUTUAL WATER CO.	2600538	1	Inadequate storage capacity	Construct new 100k gal tank	$80,000
15	C	200	LOWER ROCK CREEK MUTUAL WATER CO.	2600538	2	Inadequate pressure in upper zone	Construct 900 ft of 6inch to loop upper zone	$95,000
15	C	200	RIVERBEND MOBILE HOME & RV PARK	1000426	1	Single well, if it fails, the system is out of water	Drill a new well or interconnection if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	225	Sierra Co. W.W.D #1 Calpine	4600019	1	Inadequate water pumping and storage capacity to serve commercial, residential, and fire protection needs. System is at full production capacity. Outdated watermains leak.	Drill new well, construct new pumping station, and construct new storage tank (140,000 gallons). Replace old riveted steel pipe.	$275,000
15	C	250	Lukins Brothers Water Company	910007	3	Inadequate storage capacity.	Install storage tanks with pump and generator station.	$800,000
15	C	250	Lukins Brothers Water Company	910007	1	Two wells must be replaced to provide reliable source capacity.	Drill new well at property of Well 4 and replace Well 3 on new property.	$250,000
15	C	250	Clearwater Mutual Water Company	1700546	1	Surface water treatment plant in noncompliance with swtr. Storage tanks are leaking and undersized. - Treatment plant deficiencies must be verified before project can be ranked in a higher category.	Replace storage tanks with larger tanks and make treatment plant improvements or replace treatment plant.	$100,000
15	C	300	Owens Valley Water Company	1400005	1	Lack of water pressure in residences	Determine problem for lack of water pressure and repair	$25,000
15	C	300	EL DORADO MOBILE PARK	1600002	1	The El Dorado MHP has over 100 connections and serves a population that exceeds 300. Currently the park is served by one well with no back-up. There is an older well onsite that is damaged and could possibly be repaired (or properly distroyed).	This community is served by one well. If drought conditions persist, the current well could be vulnerable to shortages.	$500,000
15	C	310	Pine Mountain Mutual Water Co.	2300591	4	Excessive pressure in main water line (150 to 215 psi). This coupled with 30 year old transite pipes and to few pressure reducing valves is contributing to more leaks.	Replace old pressure reducing valves, as well as adding two more to the system to reduce pressure to less than 100 psi.	$11,000
15	C	310	Pine Mountain Mutual Water Co.	2300591	5	Aging water main starting to have more leaks.	Replace water main with 6 inch PVC as well as lateral services.	$775,500
15	C	310	Pine Mountain Mutual Water Co.	2300591	6	Not enough air/vacuum release valves and fire hydrants to allow for flushing and air removal after leak repairs.	Install 2 air/vac valves and 3 fire hydrants.	$10,000
15	C	336	Sutter Co. WWD#1 (Robbins)	5100107	3	A portion of the Robbins water distribution system is nearly 60 years old. The main distribution lines were constructed with galvanized iron pipe and is deteriorating leading to many failures and costly repairs. Many portions of the system have dead end l	The project will replace 7600 lineal feet of aging galvanized pipe with PVC C900 to current adopted County standards. The distribution pipe size will be increased to allow better fire flow capacity. The improvements will also include the addition of thrus	$330,000
15	C	340	ARBOR MOBILE HOME PARK	3900831	1	SYSTEM HAS SINGLE WELL	RENOVATE BACK-UP WELL. OTHER = DESIGN AND CONSTRUCTION	$10,000
15	C	350	Rovana Village	1400006	2	Single source of supply	Drill backup well	$381,300
15	C	350	Rovana Village	1400006	6	No redundant booster pumps	Install backup system	$45,200
15	C	350	Rovana Village	1400006	4	Storage facilities in poor structural condition	Construct new tank	$107,400
15	C	350	Rovana Village	1400006	5	Transmission line in poor condition	Replace upper segment of line	$95,200

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	350	Rovana Village	1400006	3	Old, undersized transmission and distribution lines	Replace lines	$611,500
15	C	350	YOSEMITE FORKS ESTATES MUTUAL WTR	2000527	1	DISTRIBUTION INSTALLED IN 1958; IRON PIPES ARE CONSTANTLY ERODING; VALVES ARE CLOGGING WITH IRON SLOUGHING OFF; CEMENT TANKS ARE CRACKING	REPLACEMENT OF PIPELINES. THIS PROJECT WILL ALSO BENEFIT THE ADJACENT CEDAR VALLEY SYSTEM WHICH IS INTERCONNECTED.	$483,000
15	C	353	Rabb Park Community Ser. Dist.	310015	2	SECTION OF MAIN LINE EXPERIENCING NUMEROUS BREAKS.	INSTALL 750' OF C-900 PIPELINE. OTHER = DESIGN AND CONSTRUCTION.	$38,000
15	C	353	Rabb Park Community Ser. Dist.	310015	4	PAYING 8% LOAN ON TANK LINER	REFINANCE AT LOWER INTERST RATE	$11,250
15	C	400	TRIPLE R MUTUAL WATER CO.	5400670	1	Inadequate source reliability - 3 of 7 wells removed from service that exceed nitrate MCL.	Blending treatment or drill new wells	$100,000
15	C	420	Clear Creek CSD-Westwood	1800512	3	Need additional 250,000 gallons of storage capacity. Need to replace existing watermains.	Construct 250,000 gallon storage tank. Install 8" and 6" water lines to replace existing 4" and 2" lines.	$250,000
15	C	450	CSA 70F, Morongo Valley	3600226	3	Distribution system does not meet waterworks standards	Replace pipe and booster stastion	$580,000
15	C	450	CSA 70F, Morongo Valley	3600226	1	Old, undersized mainline	Construct 2.37 miles of new mainline	$525,571
15	C	450	CSA 70F, Morongo Valley	3600226	4	Master Plan does not provide for reliable water system operation	Develop new master plan	$50,000
15	C	499	SAN SIMEON CSD	4000568	2	Single source of supply from reservoir to distribution system.Low flow/pressure to customers.	Construct an upgraded parallel line to the reservoir.	$100,000
15	C	500	Broadview Terrace Mutual Water Company	2000521	1	WATER MAINS ARE TOO SMALL TO PROVIDE ADEQUATE SYSTEM RELIABILITY.	INSTALL 6 INCH DIAMETER MAINS WITH FIRE HYDRANTS.	$300,000
15	C	515	Sierra Brooks PSD	4600009	1	Water storage and pressure stabilization problems.	Construct new storage tank, refurbish existing tank and thus correct pressure problems.	$450,000
15	C	586	LADWP - INDEPENDENCE	1410002	2	Old, substandard mainline	Replace mainline	$350,000
15	C	586	LADWP - INDEPENDENCE	1410002	3		Replace mainline	$250,000
15	C	586	LADWP - INDEPENDENCE	1410002	6	Inadequate storage capacity	Construct new tank	$100,000
15	C	586	LADWP - INDEPENDENCE	1410002	4	Old, substandard mainline	Replace mainline	$200,000
15	C	586	LADWP - INDEPENDENCE	1410002	5	Old distribution system resulting in multiple leaks	Hire consultant to perform system analysis	$30,000
15	C	586	LADWP - INDEPENDENCE	1410002	1	Old, substandard mainline	Replace mainline	$400,000
15	C	600	North Tahoe PUD - Carnelian Woods	3110023	1	Unreliable system supply.	Construct an 8,330 ft, 12" diameter intertie to District's main water system. Involves design and construction.	$1,082,500

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	600	North Tahoe PUD - Carnelian Woods	3110023	2	Well is unreliable and is at risk for outages and reduced water pressure.	Construct a new well. Involves design and construction.	$280,000
15	C	600	North Tahoe PUD - Carnelian Woods	3110023	4	Ineffcient water line.	Replace 2,400 ft of pipe. Involves design and construction.	$409,600
15	C	600	North Tahoe PUD - Carnelian Woods	3110023	3	Undersized mains.	Replace 3,170 ft water mains. Involves design and construction.	$315,800
15	C	640	Strawberry Lodge MWC	3600301	1	Old, substandard mainline	Replace mainline	$750,000
15	C	700	GREEN VALLEY MWC	3610023	1	Distribution system upgrades, source capacity upgrades	Construct new mains, add storage facilities	$500,000
15	C	727	MADERA CO SA NO 19-ROLLING HILLS	2010009	1	THE SYSTEM HAS TWO WELLS, THE MAIN WELL (NO. 1) HAS EXPERIENCED SANDING PROBLEMS WHICH HAS RESULTED IN ITS REDUCED CAPACITY. THE SYSTEM HAS HAD LOW PRESSURE PROBLEMS DURING THE SUMMER MONTHS.	INSTALL A NEW WELL AND A STANDBY GENERATOR.	$500,000
15	C	785	INDIAN CREEK COMMUNITY SERVICE DISTRICT	1410005	2	Low pressure episodes in summer. No storage capacity.	Install 50,000 gallon storage tank and booster pump station.	$800,000
15	C	785	INDIAN CREEK COMMUNITY SERVICE DISTRICT	1410005	1	Inadequate storage results in low pressure problems in higher pressure zone during summer	Construct a 500,000 gallon storage tank	$600,000
15	C	800	North Tahoe PUD - Dollar Cove	3110036	3	Water mains leak; lines are deteriorated and do not provide proper circulation of water.	Replace 4,510 ft of water mains. Involves design and construction.	$419,000
15	C	820	Lake Forest Mutual W.C.	1800511	1	Storage tank needs rehabilitation. Storage capacity is inadequate. Need more fire hydrants.	Recoat largest storage tank. Build new tank. Replace and add fire hydrants.	$10,000
15	C	856	City of Loyalton	4610001	2	Spring booster pump needs replacement. Source capacity is near limit. Mainline valves are not working or non-existent.	Replace booster pump. Drill new well. Rehabilitate distribution system.	$547,000
15	C	999	BIG PINE CSD	1410004	1	Lack of production capacity due to deterioration of well	Construct new well	$140,000
15	C	1020	Hopland Public Utility District	2310010	1	Need additional storage.	Install 3 300,000 gallon tanks.	$700,000
15	C	1100	FALLSVALE SERVICE COMPANY	3610021	1	Leaking mainlines and tanks	Repair or replace mainlines and tanks	$90,000
15	C	1118	LADWP - LONE PINE	1410003	4	Old distribution system resulting in multiple leaks	Hire consultant to perform system analysis	$30,000
15	C	1118	LADWP - LONE PINE	1410003	2		Replace mainline	$200,000
15	C	1118	LADWP - LONE PINE	1410003	3	Inadequate storage capacity	Construct new tank	$310,000
15	C	1118	LADWP - LONE PINE	1410003	1	Old, substandard mainline	Replace mainline	$150,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	1188	MADERA CSA NO 3 PARKSDALE	2010006	1	THE WATER SYSTEM DOES NOT HAVE ADEQUATE RELIABILITY FACILITIES AND ITS CUSTOMERS HAVE EXPERIENCED WATER OUTAGES DURING PG&E POWER FAILURES.	INSTALL A NEW WELL AND A STANDBY GENERATOR.	$400,000
15	C	1300	Grizzly Flats Community Servic	910006	2	Inadequate storage to meet Waterworks Standards. Demand heavily impacts system's covered, treated water storage.	Install an additional 200,000 gallon covered, treated water storage tank. Involves design and construction.	$175,000
15	C	1300	Grizzly Flats Community Servic	910006	3	Inadequate pressure to meet Waterworks Standards. Insufficient water pressure.	Add a pump, hydropneumatic tank and system pipe tie-in and a 2" service line to customers. Involves design and construction.	$25,000
15	C	1500	Pratt Mutual Water Co	5410033	2	REPLACEMENT OF MAIN TRANSMISSION LINES	REPLACE NEW MAIN	$200,000
15	C	1600	Fall River Mills C.S.D.	4510008	1	One well serves two communities that are 8 miles apart. System does not fulfill the requirements of Section 64560(a)(6) (minimize the efects of equipment failures) of the Waterworks Standards.	Drill a new well in second community to provide the reliability required by the Waterworks Standards.	$150,000
15	C	1700	LE GRAND COMM SERVICES DIST	2410011	1	ONE OF THE THREE WELLS HAS FAILED, ANOTHER WELL IS SHOWING SIGNS OF FAILING, AND THE THIRD WELL HAS INSUFFICIENT CAPACITY TO MEET MAXIMUM SYSTEM DEMANDS.	CONSTRUCTION OF NEW WELLS AND 22,000 FEET OF NEW WATER LINES.	$2,282,500
15	C	1800	CEDARPINES PARK MWC	3610011	1	Refinance distribution system remediation project	Refinance	$1,670,500
15	C	2025	Lower Lake County Water District	1710010	5	Water main from Bonham Road to Wagon Wheel Way continues to fail because pipe is made of substandard material.	Replace existing pipe with C900 and ductile iron where it crosses Herndon Creek.	$100,000
15	C	2025	Lower Lake County Water District	1710010	6	8 inch AC water main failing due to softening of pipe wall. Tree roots entering pipe. Portion of pipe located in inaccessible area & crosses a geologic fault	replace with 12 inch C-900 using proper sand beeding	$200,000
15	C	2025	Lower Lake County Water District	1710010	3	Two old redwood tanks (100K & 30K) are leaking and unsecured.	Replace with 100 -150K storage tank.	$70,000
15	C	2025	Lower Lake County Water District	1710010	2	Old 100K redwood tank feeds to 500K tank. Restricts inflow limit to 600 gpm. Excess overflows tank.	Replace with 500K steel stank. Integrate with existing 500K tank with a 16 inch line and have the ability to shut off each tank for maintenance.	$200,000
15	C	2025	Lower Lake County Water District	1710010	1	4 & 6 inch Copsey Creek crossing failing due to age, installation, erosion and exposure to 20 to 30 MPH flows. One crossing is located next to an earthquake fault.	Abandon both crossings and relocate to right of way at bridge on Copsey Creek way.	$55,000
15	C	2320	Shasta C.S.D.	4510013	1	Insufficient storage capacity resulting in water outages. System not fulfilling Section 64560(a)(4) (provide adequate capacity) of the Waterworks Standards.	Construct 500,000 storage tank and pump station and extend 12-inch main to increase pressure and provide the reliability required by the Waterworks Standards.	$650,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	2320	Shasta C.S.D.	4510013	2	System experiences low pressure at higher elevations, in violation of waterworks standards	Produce engineering construction plans and replace restrictive deteriorating line	$68,000
15	C	2500	Mountain Gate C.S.D.	4510002	2	Very low pressures or customers out of water for extended periods, undersized main lines.	Construction of 250,000 gallon capacity storage tank, booster pump station, 2,500 feet of 6-inch diameter water main.	$275,000
15	C	2885	Sutter Community S.D.	5110007	2	Need additional source of emergency water	Add a 1mgal tank and replace old pipe in one section of our system	$400,000
15	C	3000	BRIDGEPORT PUD	2610003	1	Backup systems needed	Construct new main, generator, and pumps	$250,000
15	C	3000	Truckee-Donner PUD - Donner Lake	2910005	1	Approximately 20-25 property owners that cannot be served on the south side due to low pressure.	Replacement of existing tank with a 500,000 gallon tank and addition of a booster facility.	$500,000
15	C	3000	Truckee-Donner PUD - Donner Lake	2910005	2	Water main and storage tank deterioration.	Replace main with 10" ductal iron pipe and construct 500,000 gallon storage tank.	$1,325,000
15	C	3006	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007	2	AGING 12 INCH CLASS 160 PVC HAS HAD NUMEROUS BREAKS AND NEEDS TO BE REPLACED.	REPLACE ABOUT 6,000 FEET OF CLASS 160 PVC WITH NEW 12 INCH DUCTILE IRON PIPE.	$300,000
15	C	3323	AWA, Pioneer I.D. #1	310010	1	UNDERSIZED MAINS CAUSE LOW PRESSURES BELOW 20 PSI	INSTALL NEW WATER MAINS. OTHER = DESIGN AND CONSTRUCTION	$450,000
15	C	3422	City of Wheatland	5810004	1	Insufficient source capacity, requires additional well(s).	Installation of additional well(s).	$170,000
15	C	3434	TUD - Upper Basin Water System	5510012	6	THE CEDAR ROCK SERVICE AREA IS SUPPLIED BY A PUMP STATION THAT EXPERIENCES POWER FAILURES AND SUBSEQUENT WATER OUTAGES.	RELOCATE A 60,000 GALLON BOLTED STEEL TANK TO THE SITE TO PROVIDE RELIABLE SERVICE.	$52,000
15	C	3434	TUD - Upper Basin Water System	5510012	1	THE SYSTEM NEEDS ADDITIONAL WATER SUPPLY DURING THE ANNUAL DITCH OUTAGE EVENT AND DURING OTHER EMERGENCIES.	CONSTRUCT A 4 INCH DIAMETER PIPELINE AND INTAKE STRUCTURE TO OBTAIN WATER FROM BRENTWOOD POND.	$22,000
15	C	3434	TUD - Upper Basin Water System	5510012	9	THE PRESSURE BOOSTER SYSTEM LOCATED ADJACENT TO THE SUGAR PINE RIDDLE TANK HAS DETERIORATED.	RECONSTRUCT THE PRESSURE SYSTEM.	$26,000
15	C	3434	TUD - Upper Basin Water System	5510012	7	INADEQUATE STORAGE FOR INTERCONNECTION TO THE CRYSTAL FALLS SYSTEM.	CONSTRUCT A ONE MILLION GALLON STEEL STORAGE TANK.	$420,000
15	C	3434	TUD - Upper Basin Water System	5510012	2	DURING DITCH OUTAGES, THERE IS INSUFFICIENT RAW WATER STORAGE AT THE WTP SITE.	CONNECT THE EXISTING LAKEWOOD RESERVOIR TO THE WTP INTAKE VIA PUMP AND PIPELINE.	$57,000
15	C	3434	TUD - Upper Basin Water System	5510012	5	FREQUENT LEAKS IN STEEL SECTIONS OF THE BRENTWOOD DISTRIBUTION SYSTEM COMPOUNDED BY NUMEROUS SEPTIC TANK SYSTEMS IN THE AREA.	REPLACE STEEL PIPELINES IN EQUAL INCREMENTS OVER A 5 YEAR PERIOD.	$918,000
15	C	3510	CWSC Oak Hills	2710019	1	Inactive well with DCE contamination.	Install a GAC treatment process.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	3554	Weaverville C.S.D.	5310001	5	Water transmission main supplying 2.1 million gallon hydro reservoir from the East Weaver Treatment Plant is old and deteriorated and needs to be replaced to help ensure reliability of water supply to main pressure zone.	Replace water transmission main.	$1,050,000
15	C	3554	Weaverville C.S.D.	5310001	2	Water main located at Martin Road is the longest deadend main in the District's distribution system.	Looping the two mains would eliminate the dead ends and facilitate Trinity River treated water to flow to portion of the East Weaver Pressure Zone.	$77,000
15	C	3554	Weaverville C.S.D.	5310001	8	The transmission main serving the East Weaver Treatment plant is old and deteriorated. The main needs to be replaced to help ensure the reliability of the District's main source of supply.	Install approximately 1400 feet of 12-inch replacement water main.	$35,000
15	C	4000	PLANADA CSD	2410007	2	THE LACK OF ADEQUATELY SIZED WATER LINES FROM THE TWO MAIN WELLS (NOS. 5 AND 6) TO THE NORTH SIDE OF THE SYSTEM HAS CAUSED LOW PRESSURE PROBLEMS.	INSTALL ADEQUATELY SIZED WATER LINES FROM THE SOUTH SIDE OF THE SYSTEM TO THE NORTH SIDE OF THE SYSTEM.	$190,000
15	C	5000	North Tahoe PUD - Main	3110001	7	Water main has dead ends and extensive leak history. Fail to provide potable water.	Install water mains along highway.	$566,500
15	C	5000	North Tahoe PUD - Main	3110001	14	Undersized main line.	Construct a 2,660 ft long main. Involves design and construction.	$267,500
15	C	5000	North Tahoe PUD - Main	3110001	15	A water main has been abandoned and the remainder leak, require excessive maintenance and fail to comply with standards.	Replace 3,020 ft of water main. Involves design and construction.	$277,100
15	C	5000	North Tahoe PUD - Main	3110001	4	Water mains are undersized, subject to widely fluctuating water pressure, lack of fire protection, and poor water quality.	Install 1,800 ft water main, increase pressure. Involves design and construction.	$172,100
15	C	5000	North Tahoe PUD - Main	3110001	6	Low head lines due to proximity in elevation to storage reservoir.	Create a pressurized sub-zone and provide service stubs to properties with pressures. Involves design and construction.	$94,900
15	C	5000	North Tahoe PUD - Main	3110001	12	Undersized pipes.	Install 4,160 ft of pipe. Involves design and construction.	$366,700
15	C	5000	North Tahoe PUD - Main	3110001	2	Needs SCADA control system.	Install a modern, supervisory control and data acquisition system.	$126,000
15	C	5000	North Tahoe PUD - Main	3110001	3	Replace inadequate water main.	Construct a new 1,400 foot long water main within the State Highway, relocate services to the new line, improve pressure and quality. Involves design and construction.	$165,000
15	C	5500	Millview County Water District	2310006	2	Numerous areas in distribution system that are too small or need to be looped to provide adequate flow during peak flow times.	Enlarge and replace distribution lines.	$350,000
15	C	5500	Millview County Water District	2310006	3	Low pressure problem in north east part of town. Residents occasionally without water.	New pumping station, distribution system and storage tank.	$450,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	5500	Millview County Water District	2310006	4	During peak summer months filtration capacity falls short of demand.	Add 1 600 gpm filter and 1 3,000 gpm roughing filter.	$1,000,000
15	C	5610	GSWC - HOLLYDALE	1910195	1	Old cast iron pipes with bio-growth and potential nitrification	Cement lining water mains in critical areas.	$100,000
15	C	5610	GSWC - HOLLYDALE	1910195	2	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$100,000
15	C	5610	GSWC - HOLLYDALE	1910195	3	UNABLE TO DISINFECT MWD CONNECTION	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$15,000
15	C	5865	San Joaquin County - Lincoln Village	3910010	1	ELEVATED TANK DOESN'T MEET SEISMIC STANDARDS. OLD STEEL PIPES NEED REPAIR.	REPLACE ELEVATED TANK WITH PRESSURE TANK AND REPLACE STEEL LINES - (NO EVIDENCE OF CONSOLIDATION). OTHER = DESIGN AND CONSTRUCTION.	$1,000,000
15	C	6600	Myoma Dunes Mutual Water Company	3310051	1	Quality is compromised due to incomplete arterial loop system and excessive number of dead end mains. Also distribution system cannot adequately be isolated for area's of repair or contamination.	Construct new mainlines, replace undersize & deficient mains, install isolation valves.	$348,000
15	C	6700	MAYWOOD MUTUAL WATER CO. #2	1910085	1	WW standards defects. Poor reliability of existing aged steel reservoirs. Insufficient storage.	Construct 1.5 MG reservoir. Remove top 30' of two reservoirs. Construct new roofs on two reservoirs, construct hydropneumatic pump station and standby generator. Project involves: Design to solve problem, and Construction.	$2,000,000
15	C	7500	North of the River MWD	1510041	3	Old and deteiorating distribution system with many leaks and breaks, under sized mains.	Replacement of majority of distribution system, and customer service lines. OTHER - Design and Construction	$3,300,000
15	C	8500	WINTON WATER & SANITARY DIST	2410010	1	OLD SUBSTANDARD SIZED LINES CAUSING CONTINUED MAIN LINE BREAKS AND LOW PRESSURE PROBLEMS. WE ALSO HAVE A WATER SUPPLY PROBLEM WHICH REQUIRES A GROUND STORAGE TANK.	LOCATE BY AREA ALL SUBSTANDARD SIZED LINES AND REPLACE/CONSTRUCT A STORAGE TANK WITH CONNECTING LINES. OTHER - STUDY, DESIGN AND CONSTRUCTION	$2,500,000
15	C	8508	ACWA Buckhorn Plant	310012	2	INADEQUATE WATER STORAGE IN SYSTEM	CONSTRUCT TREATED WATER STORAGE TANK. OTHER = DESIGN AND CONSTRUCTION	$850,000
15	C	8852	City of Susanville	1810001	2	Cady Springs are located 2.5 miles from the City in the Susanville River Canyon, this has been a gravity feed system since the late 1800s. The springs are one of the Citys major water sources, this being the only water supply to the Citys west side due	The project would construct a two stage booster station at the springs to supply water to a new 1 million gallon water tank and a 16 inch pipeline that would supply water to all the customers on the Citys west side, this would also provide water to a sec	$1,150,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	5	One connection with the City of Long Beach is lacking pump station and metering station.	Construct pump and metering stations at the California Ave/Willow Street Long Beach/Signal Hill interconnect.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	7	WW standards defect. The roof of the Gundry reservoir is deteriorating due to chlorine attacking metal fittings. Pieces of roof structure fall into water on a regular basis.	Design and construct new roof using stainless steel fittings.	$810,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	6	Refinance. Aging finished water reservoirs create possible structural and contamination problems.	Design and construct two new finished and connecting piping stations south of the 405 freeway water reservoirs. Refinance debt obligation (Municipal Bonds)	$8,600,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	3	Well #6 is currently inactive due to FE and coliform contamination, leaving the City with only two active wells.	The City shall rehab well #6 to eliminate contamination, or drill a new well if rehab is determined ineffective. The existing transmission main connecting well #6 to the system needs to be reconstructed. Project involves: Design and Construction	$1,873,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	8	Reliability of emergency power poor.	Purchase a portable emergency generator to power well pump in case of interrupted electrical service. Project involves: Purchase	$150,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	4	MWD connection is lacking provision for emergency chlorination.	Construct chlorine injection line from City reservoir/disinfection station to MWD P.O.C. - approximately 800 Lin. Ft.	$144,136
15	C	11300	Kingsburg, City of	1010019	4	GROUNDWATER IS CONTAMINATED WITH DBCP. WELL NO. 11 EXCEEDS THE MCL.	CONSTRUCT A GAC FILTRATION SYSTEM FOR WELL NO. 11.	$400,000
15	C	11300	Kingsburg, City of	1010019	1	GROUNDWATER IS CONTAMINATED WITH DBCP, SOME WELLS EXCEED THE MCL.	PREPARE A FEASIBILITY STUDY TO EVALUATE THE EXTENT OF THE PROBLEM AND TO DEVELOP ALTERNATIVES.	$30,000
15	C	11300	Kingsburg, City of	1010019	5	INADEQUATE WATER SUPPLY CAPACITY.	CONSTRUCT A NEW WELL (NO. 15).	$350,000
15	C	11649	City of Fortuna	1210006	1	Existing 30,000 gallon water storage tank is structurally deteriorated and a larger capacity tank is needed.	Replace existing 30,000 gallon water storage tank with a 150,000 gallon tank.	$350,000
15	C	11649	City of Fortuna	1210006	3	Two reservoirs structurally failing and too small to serve the area; booster station needs to be replaced.	Reconstruct/rehabilitate two tanks; replace pump station (w/ supporting engineering evaluation)	$1,250,000
15	C	12614	LIVINGSTON-CITY	2410004	1	IN THE OLDER SECTION OF THE CITY THE MAIN SUPPLY LINES ARE 2" CI WHICH CONTINUALLY LEAK AND DO NOT PROVIDE REQ'D FIREFLOW PRESSURE	INSTALL NEW 6" MAINS AND NEW STYLE HYDRANTS. OTHER - DESIGN AND CONSTRUCTION.	$500,000
15	C	12659	CWSC Salinas Hills	2710012	1	Need added storage and booster pumps.	Install one million gallon tank and booster pump facility.	$805,000
15	C	14154	SCWA Mather-Sunrise	3410704	4	Replace deficient valves and hydrants.	Replace deficient valves and hydrants.	$175,000
15	C	14500	Bella Vista Water District	4510014	7	System has low pressure problem caused by deadend mains and is not fulfilling Section 64566 (system pressure) and Section 64626 (layout of water mains) of the Waterworks Standards.	Loop deadend mains to solve low pressure problem and provide the reliability required by the Waterworks Standards.	$1,775,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	14500	Bella Vista Water District	4510014	2	Insufficient water storage capacity, not fulfilling Section 64560 (a)(4) (provide adequate capacity) of the Waterworks Standards.	Build two reservoirs to increase storage capacity and provide the reliability required by the Waterworks Standards.	$1,400,000
15	C	14500	Bella Vista Water District	4510014	4	System has low pressure problem and is not fulfiling Section 64560 (a)(4) (provide adequate capacity to meet pressure requirements) of the Waterworks Standards.	Study and pre-design of solution to low pressure problem and provide the reliability required by the Waterworks Standards.	$100,000
15	C	14500	Bella Vista Water District	4510014	5	System has low pressure problems and is not fulfilling Section 64560 (a)(4) (provide adequate capacity to meet pressure requirements) of the Waterworks Standards.	Construct storage, pump station and pipe line to solve low pressure problem and provide the reliability required by the Waterworks Standards.	$3,590,000
15	C	14500	Bella Vista Water District	4510014	1	System is unreliable due to lack of standby power and lack of well redundancy to fulfill Section 64560 (a)(6) (minimize the effects of power and equipment failure) of the Waterworks Standards.	Add standby power at Pump Station, and add one well with filters to provide the reliability required by the Waterworks Standards.	$1,200,000
15	C	14781	CWSC King City	2710009	1	Inactive wells (1-02, 1-03, 5-01, 2-02) need nitrate treatment.	Design and construct treatment facilities and piping systems.	$1,500,000
15	C	17124	PARK WC - LYNWOOD	1910161	2		Preliminary and final design of well and construction of well. Project involves: Design, and Construction	$450,000
15	C	17124	PARK WC - LYNWOOD	1910161	1	Existing wells are over 45 years old. They are declining in both production and water quality.	Final design of well head and construction of well head. Project involves: Design, and Construction	$730,000
15	C	21756	SSWD - North Highlands Service Area	3410025	1	Inadequate storage capacity.	Install 10 mg water storage reservoir. Involves design and construction.	$4,500,000
15	C	21756	SSWD - North Highlands Service Area	3410025	3	Insufficient water mains.	Install larger diameter connecting and transmission mains. Involves design and construction.	$5,000,000
15	C	22370	EL MONTE-CITY, WATER DEPT.	1910038	1	Refinance 1 & 2. 1) Wells-VOC contamination above MCL. 2) Elevated tank was refurbished. 3) Aged pipelines are in need of replacement.	1) Installed GAC treatment plant. 2) Elevated tank was refurbished. 3) Replace old water mains.	$500,000
15	C	27150	Vaughn WC INC	1510029	1	VAUGHN WATER CO. DESIRES TO INCREASE ITS QUANTITY OF ABOVE GROUND STORAGE TO IMPROVE ITS EMERGENCY/STANDBY WATER SUPPLY CAPABILITIES. CURRENTLY THE CO. HAS 0.55 mg OF STORAGE WHICH REPRESENTS ONLY 2 HRS. OF STORAGE.	INSTALL A 2 MG STORAGE TANK AND BOOSTER PUMPING STATION WHICH WILL IMPROVE STORAGE CAPACITY TO A MINIMUM OF 9 HRS OF STORAGE. OTHER - DESIGN & CONSTRUCTION	$1,100,000
15	C	27236	PARK WC - COMPTON	1910021	1	Aged wells are declining in both production and water quality.	Final design of well head and construction of well head. Project involves: Design, and Construction	$1,180,000
15	C	35211	LOS BANOS-CITY	2410005	2	Low pressure and lack of capacity during peroids of high demand	Construct Storage Facilities	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	3	Limited Source capacity resulting in service connection limitation	Drill new well in Wilson Creek area	$425,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	2	Substandard mainline serving Wildwood Cyn area	Replace mainline	$639,450
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	1	Substandard Mainline	Replace mainline	$1,000,000
15	C	44174	San Luis Obispo Water Department	4010009	3	Needs additonal source capacity to comply with future demand and Water Works standards	Install operable gates in existing spillway at Salinas Dam to increase storage capacity	$16,200,000
15	C	47065	City of West Sacramento	5710003	9	Insufficient pressure.	Install two booster stations and hydropneumatic tanks and water main. Involves design and construction.	$990,000
15	C	50530	Hanford, City of	1610003	2	HIGH ARSENIC IN FIVE ACTIVE WELLS	DEVELOP NEW DEEP WELL USING ZONES WITH LOW ARSENIC LEVELS.	$750,000
15	C	85703	City of Redding	4510005	1	City does not meet Water Works Standards for water supply. Source Capacity is barely sufficient to supply current demand.	Expand Buckeye Water Treatment Plant Capacity from 7 million gallons per day (mgd) to 14 mgd.	$6,200,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	7	All active wells and electric booster pumps in need of hook up points for emergency power supply.	Install transfer switches for all active wells and electric booster pumps.	$130,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	4	Reliability. South Reservoir in need of repairs and improvements to maintain storage and pressure for Zone 1 (2.5 million gallon reservoir).	Repair approx. 325 linear feet of cracks in the reservoir wall. Sandblast interior walls - Sandblast exterior surface and apply new stucco coat.	$180,000
15	C	111135	CWSC Salinas	2710010	3	Inactive wells (108-01, 105-01) need nitrate treatment.	Design and construct treatment facilities.	$1,500,000
15	C	111135	CWSC Salinas	2710010	1	Two inactive wells need PCE treatment.	Install GAC treatment.	$400,000
15	C	111135	CWSC Salinas	2710010	2	Inactive wells (10-01, 17-01, 21-01) need nitrate treatment.	Design and construct treatment facilities.	$1,500,000
15	C	121420	Elsinore Valley MWD	3310012	5	El Cariso water system replacement project due to poor condition of distribution system. See attached sheet.	See attached sheet	$4,300,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	4	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 15-02)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	$1,200,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	2	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 28-01)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	$1,200,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	1	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 33-01)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	$1,200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	6	WELL STATION 19-03 AND 19-04 HAVE PRESSURE MAINTENANCE PROBLEMS AND THEY ARE SHALLOW, LOW CAPACITY WELLS THAT CONTAIN HIGH LEVELS OF HYDROGEN SULFIDE AND REQUIRE LARGE DOSES OF CHLORINE TO REMOVE ODOR.	DRILL A NEW HIGH CAPACITY WELL FROM DEEPER AQUIFER	$350,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	7	VOC CONTAMINATED WELL 43-01. WELL INACTIVE.	INSTALL GAC TREATMENT VESSEL	$100,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	5	NOT ENOUGH STORAGE CAPACITY FOR A SEVEN DAY SUPPLY OUTAGE	REPLACEMENT OF THE 0.4MG TANK WITH A 1.5 MG RESERVOIR (RESERVOIR 1B).	$510,000
15	C	170000	Sacramento Suburban Water District	3410001	1	Difficult to supply water to local area and pressure is inadequate.	Construct large diameter connecting and transmission mains to allow water to be moved throughout system. Involves design and construction.	$14,200,000
15	C	170000	Sacramento Suburban Water District	3410001	3	Insufficient distribution facilities.	Install booster pump station and 5 mg reservoir. Involves design and construction.	$3,000,000
15	C	170000	Sacramento Suburban Water District	3410001	4	Inadequate storage and unability to meet peak hour demands and providing system reliability.	Install 7.2 mg water storage reservoir. Involves design and construction.	$3,500,000
15	C	177000	Oceanside, City of	3710014	5	Cast iron water lines were origianlly installed in the early 1900's. Lines are undersized which creates fire flow problems as well as leakage problems.	Areas 4, 5, and 6 pipeline replacement with larger line and modern materials will eliminate the fire flow and leakage problems.	$850,000
15	C	177000	Oceanside, City of	3710014	4	Elimination of pressure problems to reduce the need for a pump.	Galbar St. water line is the solution to alleviate low pressure problems and reduce the need for a pump station.	$500,000
15	C	177000	Oceanside, City of	3710014	1	Development of local groundwater supply as a reliable source of potable water for emergency water supply.	Construction of a 6.3 MGD desalting facility using RO.	$7,500,000
15	C	177000	Oceanside, City of	3710014	2	Original lines installed in the 1950's. Lines are undersized which causes a fire flow problem and frequent leaks.	Design and construction of replacement water lines in Areas 1 and 13 to increase size upgrade materials.	$1,300,000
15	C	457511	FRESNO, CITY OF	1010007	16	The water mains in the older parts of the City are old deteriorated and leaky.	Install new water mains.	$5,215,000
15	C	457511	FRESNO, CITY OF	1010007	17	The production of some wells is diminished due to mineral build-up on the casings.	Rehabilitate and redevelop the affected wells.	$1,050,000
15	C	457511	FRESNO, CITY OF	1010007	14	The City has many old wells that were constructed in the 1940's and 1950's that are of open bottom wells without annular seals.	Construct new wells to replace the old wells.	$6,750,000
15	C	457511	FRESNO, CITY OF	1010007	15	The new SWTP does not have adequate backup power.	Install a backup generator to operate critical plant facilities and one treated water pump.	$500,000
15	C	457511	FRESNO, CITY OF	1010007	13	Need to increase the water storage and delivery capacity in Central Fresno, which has expanded.	Construct a new 2 MG storage tank, booster pump station and transmission line to provide water to downtown Fresno.	$6,339,800

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	N	25	SOLEDAD MISSION WS	2701176	1	Water system is aging and needs improvements - new well and pipes.	New well and pipes.	$10,000
15	N	25	SCC Animal Shelter/Airport	4300814	1	Inadequate backflow and cross-connection protection. Significant risk of contamination to potable water system.	Implement all recommendations of certified cross-connection control specialist's survey (included with pre-application).	$20,000
15	N	25	SPLIT MOUNTAIN PARK	3701882	1	System lacks sufficient water clarity, volume, and pressure to service a population of 110 (no water storage tank, no secondary water pressure booster pump, age of 1,500 galllon pressure tank. System has experienced water outages.	New 5,000 gallon water storage tank, new 1,500 gallon water pressure tank, and new 5 hp secondary booster pump.	$25,000
15	N	50	Redding Odd Fellows Camp	5301004	1	Storage tank roof is deteriorated and needs to be replaced. Concrete walls for slow sand filter basins are cracked and leaking.	Repair or replace storage tank roof. Repair leaks in filter system.	$12,000
15	N	50	Layman Association	3200151	1	Water system is over 40 years old. Piping from springs to tank and from tank to residents needs replacement.	A three to five year program to replace piping and valves, as money is available.	$30,000
15	N	60	FAR HORIZON CAMP	5400896	1	Low water pressure - inadequate in an emergency	Install a new 3" diameter water main	$20,000
15	N	250	REGIONAL LEARNING CENTER	5500171	1	NEED STORAGE FOR ADEQUATE SUPPLY RELIABILITY.	INSTALL NEW TANKS AND HOOK-UP	$45,000
15	P	30	Laws Town LADWP	1400102	2	Old substandard mainline	Replace mainline	$30,000
15	P	30	Laws Town LADWP	1400102	1	Lack of reliability due to singe well	Construct new well	$150,000
15	P	35	CEDAR CREEK SCHOOL	4500169	1	The spring source and storage tank are shared with a mobile home park, making it difficult to fulfill Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Improve spring or drill a new well to provide the reliability required by the Waterworks Standards.	$60,000
15	P	100	MISSION SCHOOL WS	2702317	1	System is aging and needs improvements.	General system upgrade.	$15,000
15	P	100	CDF-Konocti Conservation Camp	1710800	1	Distribution consists of transite pipe and 35 years old. System leaks are common and difficult to repair. Hydrants leak.	Replace distribution system, isolate irrigation system for wastewater and replace hydrants.	$68,000
15	P	125	BITNEY SPRINGS CHARTER HIGH SCHOOL	2900601	1	Needs second well for reliability.	New well filtration system and storage tank.	$19,000
15	P	140	Round Valley School	1400019	2	Single source of supply	Construct new well	$12,000
15	P	140	MCHA ATWATER CENTER	2400110	1	Well is vunerable to nitrate contamination	Construct treatment system	$75,000
15	P	170	CLAY JOINT SCHOOL	1000315	1	PRESENTLY HAVE A GAC FILTRATION SYSTEM TO REMOVE DBCP. DBCP LEVELS IN THE WELL HAVE LOWERED BELOW MCL. LACK OF ADEQUATE SOURCE RELIABILITY.	DRILL A NEW WELL AND EQUIPT. OTHER - DESIGN AND CONSTRUCTION	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	P	200	TECATE VISTA MUTUAL WATER COMPANY	3700953	1	Old and deteriorating piping. System over 20 years old.	Repair and replace existing deteriorating piping.	$10,000
15	P	250	SIERRA VIEW SCHOOL	2000846	1	WATER QUANTITY IS MARGINAL.	DEEPEN THE EXISTING WELL TO INCREASE ITS CAPACITY AND INSTALL A CHLORINATION SYSTEM.	$75,000
15	P	350	PIONEER SCHOOL	900111	1	System does not have adequate source capacity.	Create additional source (another well). Install new holding tank and storage system. Involves design and construction;	$35,000
10	C	40	Albion Mutual Water Company	2300502	1	The flat, wood-frame roof on our 70,000 gallon concrete water tank is over 30 years old. The membrane roofing was replaced approximately 15 years ago.The perimeter venting system has been patched and repaired over time and the exposed wood edge blocking	The new roof will be a 5:12, wood frame, gable with a South facing slope to accommodate the future installation of a solar panel array. The attic area will provide for material storage and space for future relocation of water treatment functions.Desig	$20,000
10	C	45	OUTLOOK WA	2700622	1	Water storage tanks and main service lines are 30 years old and need replacement.	Replace existing tanks with two concrete tanks and replace water mains, misc. plumbing, etc.	$24,773
10	C	45	NORTH EDEN VALLEY	3100019	1	Single well source not reliable. Needs second well.	Construct an additional well to 400 ft. Add additonal 20,000 gallons of storage capacity.	$45,000
10	C	55	DESMOND RD WS #03	2700547	2	Add storage and replace mains.	The electrical panel, tanks, and some water lines all need to be replaced. The application says the project only involves design, but it seems like it would also involve construction.	$30,000
10	C	60	ELKHORN RD WS #04	2700579	2	Water storage tank needs replacement.	Replace tank.	$20,000
10	C	60	ELKHORN RD WS #04	2700579	1	System has inconsistent pipe types and sizes - the locations of which are unknown and need to be determined.	Replace pipes with new material which is up to standard.	$21,500
10	C	63	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	2	Distribution system consists primarily of inadequate 2" and 4" mains.	Replace distribution system with 8" C900 PVC.	$100,000
10	C	66	LEAFWOOD COMMUNITY WA	2700624	1	Replace old, concrete storage tank.	Replace storage tank with a steel tank. Possibly add a chlorination system.	$35,000
10	C	67	MORO COJO MWA	2700656	1	Insufficient storage. Need two new water tanks.	Purchase two 7500 gallon water tanks.	$10,000
10	C	67	MORO COJO MWA	2700656	2	System has structural and sanitary hazards and may have a problem with cross-connection control.	Storage tanks and wells need to be repaired and/or replaced.	$13,000
10	C	75	APPLE AVE WS #02	2701034	1	Sections of the distribution system need to be replaced.	Replace sections of the distribution system which may contain the contamination.	$50,000
10	C	80	NEW AUBERRY WATER ASSOCIATION	1000063	2	Power to wells is not reliable	Replace circuits and service lines	$10,000
10	C	80	NEW AUBERRY WATER ASSOCIATION	1000063	1	Both well is old and deteriorating	Construct Two new wells	$20,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	80	NEW AUBERRY WATER ASSOCIATION	1000063	3	Storage tanks is deteriorating	Construct new storage tank	$50,000
10	C	90	SIERRA VILLAGE MOBILE HOME PARK	5500353	1	SYSTEM LACKS RELIABILITY AS IT IS SUPPLIED FROM A SINGLE WELL AND STORAGE CAPACITY IS LESS THAN ONE DAY'S DEMAND.	CONSTRUCT AN ADDITIONAL WELL AND INSTALL A 20,000 GALLON STORAGE TANK.	$48,000
10	C	92	TWIN PINES MOBILEHOME PARK	1500508	1	With only one well as a source of water supply, this public water system is deemed to have unreliable source capacity.	FUNDS NEEDED TO DRILL A SECOND WELL OR CONSOLIDATE WITH NEARBY WATER SYSTEM. THE GOAL IS TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000
10	C	99	MCARTHUR MOBILEHOME PARK	4500084	1	No backup source for existing low capacity well. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failure) of the Waterworks Standards.	Install additional well, storage tanks and pumps to provide the reliability required by the Waterworks Standards.	$50,000
10	C	100	GOLD BEACH PARK	900102	1	Previous well flooded; new well completed, but needs additional work.	Needs second well and additonal storage to meet demands reliably.	$10,000
10	C	100	SANDY CREEK VILLAGE MHP	1000260	1	NEED A NEW WELL, AND REPLACE OLD DISTRIBUTION SYSTEM.	CONSTRUCT A NEW WELL AND UPGRADE THE DISTRIBUTION SYSTEM.	$15,000
10	C	100	DUNE III Water Co., LLC	1502690	2	System not looped, inadequate piping, not connected to possible additional backup sources.	Construct 8400 linear feet of water line.	$180,000
10	C	100	OAKHURST MOBILE HOME ESTATES	2000593	1	No backup power available. System lack reliability.	Install a backup power unit.	$10,000
10	C	109	Mineral County Water District	5200503	3	Need more storage and increased capacity	Drill second well and add more storage tanks	$50,000
10	C	112	Hi Desert MWC	3600123	1	Old hydro tank needs replacement	Construct new hydro tank	$38,000
10	C	120	SIERRA KING HOMEOWNERS ASSN	5400940	1	Inadequate storage resulting in shortages requiring temporary reduction in water usage. Also have documented coliform contamination of the well requiring continuous disinfection treatment (which has been installed)	Provide additional storage and a backup well. Additional storage needed to ensure adequate contact time during high water demand periods.	$70,000
10	C	125	MINERAL HOMEOWNER S ASSN	5200585	1	Ancient undersized distribution system with many leaks and breaks due to age.	Replace distribution system pipes.	$300,000
10	C	130	ARROYO CENTER WC	2701658	1	Old, leaky and under-sized pipes and valves in distribution system [No documentation provided]	Replacement of distribution system facilities, e.g. pipes, valves	$30,000
10	C	130	ARROYO CENTER WC	2701658	2	Inadequate water storage [No documentation provided]	Add about 40,000 gallons of storage	$30,000
10	C	150	Benbow W.C.	1200671	1	Inadequate and aged storage. Storage volume does not meet Waterworks Standards.	Construct 250,000 gallon welded steel tank to provide adequate storage.	$175,000
10	C	162	LAGUNA SECA WC	2700612	1	Disinfection and pumping equipment is needed for improved system reliability.	Install disinfection equipment. Upgrade storage and distribution lines.	$55,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	196	TWAIN HARTE VALLEY MWC	5500080	2	OLD WELDED STEEL PIPELINES NEED TO BE REPLACED.	INSTALL 4,752 FEET OF 6 INCH DIAMETER PVC PIPELINES.	$35,640
10	C	198	MPWD-Coulterville CSA 1	2210901	2	HIGHEST PORTION OF THE DISTRIBUTION SYSTEM RUNS OUT OF WATER DURING THE SUMMER MONTHS. CORRODED AND LEAKING VALVES AND OLD METERS THAT NEED TO BE REPLACED.	INSTALL A PRESSURE SYSTEM FOR THE HIGHER ELEVATION CUSTOMERS AND INSTALL ALL NEW METERS AND VALVES.	$200,000
10	C	200	TUCKER ACRES MUTUAL WATER CO.	2800516	2	Old galvanized mail leaking badly	Replace 1,100 feet of water main.	$60,000
10	C	200	TUCKER ACRES MUTUAL WATER CO.	2800516	1	old galvanized pipes from well to homes on Tucker Road and Peterson Drive are leaking badly.	Put in approximately 1,100 feet of new water line, sawing throught road then patching, 3 shut-off valves, one blow-off valve, necessary permits	$60,000
10	C	200	MD#07 MARINA VIEW HEIGHTS	2000551	1	THE SYSTEM'S TWO WELLS BARELY KEEP UP WITH SYSTEM DEMANDS DURING THE SUMMER.	INSTALL AN ADDITIONAL 100,000 GALLON STORAGE TANK.	$100,000
10	C	210	Lands of Promise Mutual Water Associatio	1500424	1	UNDERSIZED WATER MAINS	INSTALL 6" MAINS AND 6 -200 TO 500 GAL TANKS.	$271,760
10	C	220	MUSICK MEADOWS #2	1000061	1	INADEQUATE SOURCE AND STORAGE RELIABILITY.	CONSTRUCT ANOTHER STORAGE TANK AND IMPROVE OLD PIPELINES.	$275,000
10	C	232	PONDEROSA CSD	5400934	1	Collapsed 210,000 gallon storage tank	Replace 210,000 gallon storage tank	$150,000
10	C	250	PARK HEIGHTS MUTUAL WATER CO	5000017	1	OLD DISTRIBUTION YSSTEM AND OLD AGE WELL.	REPLACE DISTRIBUTION SYSTEM AND UPGRADE WELL.	$400,000
10	C	310	STOCKDALE RANCHOS MUTUAL WATER CO	1500557	1	Stockdale ranchos MWC has only one well. With only one source of supply, the water system is deemed to be unreliable.	As part of the project, a second well will be drilled or intertie with City of Bakersfeld will be developed.	$500,000
10	C	315	SLIDE INN SNOWBOWL WATER CO	5500077	1	Water and pipelines 30 to 40 years old. Some existint pipe is not to PUC Standards. Waterlines running above surface-approx. 1000 ft.	Upgrade and replace existing pipelines and install new tank already purchased. OTHER-Refinance and Design	$125,000
10	C	350	DAVENPORT COUNTY SANITATION	4400571	3	Low water pressure at outer limits of system.	Construction of new mains.	$200,000
10	C	443	KRISTA MUTUAL WATER COMPANY	1500475	1	Remove and replace pump and pump house. Install additional storage tank, replace 5000' of 8" trans. Pipeline, property and ROW for tank with piping. EXCEEDS FLUORIDE MCL.	Remove and replace pump and pump house. Install additional storage tank, replace 5000' of 8" trans. Pipeline, property and ROW for tank with piping. OTHER - Design and Construction	$300,000
10	C	465	LAKE OF THE WOODS MOBILE VILLAGE	1500459	1	Lake of the Woods Mobile Village has only hardrcok well. Therefore, the water system is not reliable.	As part of this project, Lake of the Woods Mobile Village will either drill a second well or develop an intertie with Lake of the Woods Mutual Water Company.	$500,000
10	C	500	SAN LUCAS WD	2701676	3	Potential contamination from aging, leaking, and weakened wooden water tank.	Design and engineering of a new water tank.	$77,000
10	C	500	CROWS LANDING COMM SVC DISTRICT	5000005	1	DISTRIBUTION SYSTEM MADE OF OLD, SMALL DIAMETER STEEL PIPES.	INSTALL NEW DISTRIBUTION LINES. OTHER = DESIGN AND CONSTRUCTION.	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	600	AVILA BEACH COMM SERVICE DIST	4000222	5	Steel tank corroded, PCE contamination from failed interior tank coating	Construct new storage tank.	$450,000
10	C	600	AVILA BEACH COMM SERVICE DIST	4000222	4	Inadequate pressure and domestic water supply during upstream demand.	Design and Construct a booster station	$82,000
10	C	600	AVILA BEACH COMM SERVICE DIST	4000222	3	Flow restrictions from old reservoirs to distribution, corrosion problems, old valves & broken.	Replace corroded tanks, valves and system piping.	$250,000
10	C	700	CSA 42 Oro Grande	3600220	4	Well does not meet waterwork standards	Improve well by raising above grade	$35,000
10	C	700	CSA 42 Oro Grande	3600220	1	Undersized storage facility	Construct new second reservoir	$100,000
10	C	700	CSA 42 Oro Grande	3600220	3	Master plan does not rovide for reliable water system operation	Develop new master plan	$50,000
10	C	775	Gasquet C.S.D.	800555	7	Lack of capacity in present pressure filter to add 28 residences.	Add an additional 150 GPM pressure filter.	$38,000
10	C	775	Gasquet C.S.D.	800555	5	Does not meet Section 64560(a)(6) of the Waterworks Standards. Inability to supply water during electrical outages.	Purchase a 100 KW 3-phase generator.	$32,000
10	C	775	Gasquet C.S.D.	800555	8	Need additional filtered water storage capacity to serve new residences.	Install additional 250,000 gallon water storage tank.	$195,000
10	C	775	Gasquet C.S.D.	800555	2	Unable to serve 28 residences.	Build distribution system to serve these residences filtered water.	$250,000
10	C	775	Gasquet C.S.D.	800555	6	Need additional filtered water storage capacity to serve new customers.	Engineering for installing an additional 250,000 gallon storage tank.	$30,000
10	C	900	Valley Springs PUD	510010	1	One well with fecal coliform no longer approved for potable use.	Drill new well and install hydropneumatic tank.	$425,000
10	C	950	ARROWHEAD MANOR WATER CO	3610026	3	Limited source capacitiy resulting in periodic water outages	Increase size from 2" to 6" of import water line from CLAWA	$10,000
10	C	1200	Hydesville Co. W.D.	1210019	3	The water tank is in need of seismic retrofitting, repair, and recoating. It is recommended that these repairs take place along with recoating and seismic retrofit	Retrofit tank and loop dead end mains on Guido Lane and Rohnerville Road.	$650,000
10	C	1200	Hydesville Co. W.D.	1210019	1	Project #1: Area of system served by deadend main is isolated in case of main breaks.	1500 feet of 8-inch main to loop system and increase reliability.	$91,000
10	C	1200	Hydesville Co. W.D.	1210019	2	Project #2: System relies on 30 year old, 6-inch main to supply water from source. Main traverses steep slope and has failed in past, isolating source. Subject to failure in earthquake.	1200 feet of 12-inch main (flat) and 225 feet of main (upslope). New main will provide second route from source and increase reliability.	$118,000
10	C	1300	BASELINE GARDENS MWC	3610007	4	No backup source of supply	Drill new well	$300,000
10	C	1300	BASELINE GARDENS MWC	3610007	5	Old distribution system piping	Replace pipelines	$600,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	1500	Springville PUD	5410011	2	Leaks in water distribution system.	Repair or replace portions of the distribution system.	$1,000,000
10	C	1500	AVERYDALE MWC	1910023	5	This is DHS directive to have emergency connection because the system is isolated.	Install intertie with LACWWD for be used as emergency connection.	$125,000
10	C	1500	Springville PUD	5410011	3	1. Reliability achieving LT1ESWTR filter performance requirements. 2. Lack of redundancy in source water delivery system.	Study to evaluate existing water treatment process, alternatives, and design of modifications. Also investigate source water delivery redundancy, alternatives, and design of improvements.	$60,000
10	C	1500	City of Blue Lake	1210002	2	Booster pump station capital replacement; storage tank structural replacement; replace system valves; add telemetry.	Design and replace failing pumping facility; replace all failed valves in system; design and construct telemetry system and alarms.	$600,000
10	C	1624	Hamilton Branch CSD	3210010	1	Much of the water system is old and water mains are 3" steam pipe installed in 1957.	Replace 3" steam pipe with 6" C900 PVC pipe.	$200,000
10	C	1670	SBDNO COUNTY SERVICE AREA W-1	3610060	2	Need a Water Master Plan developed to plan the current and future requirements of the district to provide safe, reliable water for the district users and adequately meet growth needs.	Develop Water Master Plan for the system	$50,000
10	C	1858	Esparto C.S.D.	5710007	1	Inadequate source capacity to meet maximum day demand.	Construct storage and booster facility, new well, and transmission mains. Involves design and construction.	$1,370,900
10	C	2103	Caruthers Comm Serv Dist	1010039	11	Water service pressure and supply not reliable.	Install approximately 7,000 LF of new water main.	$500,000
10	C	2103	Caruthers Comm Serv Dist	1010039	3	DEAD ENDS IN DISTRIBUTION SYSTEM NOT IN CONFORMANCE WITH THE CALIFORNIA WATERWORKS STARDARDS.	INSTALL APPROX. 7,000 LF OF NEW WATER MAIN. OTHER - DESIGN AND CONSTRUCTION	$380,000
10	C	2240	GOLDEN STATE WATER CO - APPLE VLY NORTH	3610105	2	Old, undersized mainline	Replace mainline	$150,000
10	C	2348	FRAZIER PARK PUD	1510007	1	OLD WATER MAINS MADE OUT OF 10 GAUGE STEEL SOME AS SMALL AS 2"; INADEQUATE FIRE PROTECTION, WATER STORAGE TANKS DETERIORATING	REPLACE WATER MAINS WITHIN OUR DISTRICT - REPAIR/REPLACE WATER STORAGE TANKS ADD FIRE HYDRANTS. OTHER - DESIGN AND CONSTRUCTION	$800,000
10	C	2348	FRAZIER PARK PUD	1510007	3	Frazier Park is rural, low-income community of about 2,834 people. A 2003 survey of he community documented a Median Household Income of $26,500 for the area. The Frazier Park Public Utility District (District) provides only water to district users. The w	If the project is funded the district will upgrade of the water system to meet Safe Drinking Water requirements. This project will build a new well to replace well #3, replace undersized and leaking waterlines with 6 and 8 inch waterlines, install hydrant	$4,000,000
10	C	2394	Elsinore WD - Lakeland	3310079	2	The existing bolted steel storage tank is old, rusted, leaking, and structurally unsound, having no remaining useful life.	Design and construct new steel tank to meet WW standards and increase system reliability.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	2394	Elsinore WD - Lakeland	3310079	1	Insufficient water supply, since a major existing well needed to be shut down due to ground water contamination from carbon tetrachloride. See attached documentation.	Design and construct new well with pump and appurtenances to meet the Waterwork Standards, increase system reliability and provide replacement water supply.	$350,000
10	C	2394	Elsinore WD - Lakeland	3310079	3	The existing bare steel watermains and appurtenances are old, undersized (mainly 2"+), deteriorated and unreliable, with limited remaining life, including frequent leaks, repairs, outages, valve work, etc.	Design and construct 50,000'+ of new watermain to meet the WW standards and increase system reliability. Project can be phased by priority over 3 years.	$3,375,000
10	C	2500	Idyllwild Water District	3310019	6	The District's aging creek diversion pipeline and pumping station are in need of replacement.	Construct new diversion pipeline and pumping station. Construct new roof on forebay tank.	$120,000
10	C	2500	Idyllwild Water District	3310019	3	Due to its age, condition and elevation, one of our downtown storage tanks was taken out of servie in 1995 (Rockdale). The tank must be replaced.	Regrade site and construct two 210,000 gallon steel tanks.	$245,000
10	C	2500	Idyllwild Water District	3310019	1	The District needs to develop additional sources of water to meet current demand during water short periods. A geohydrology study is currently I progress.	Rehabilitate two existing wells and drill one new well.	$120,000
10	C	2500	Idyllwild Water District	3310019	9		Construct 5,000 feet of 6" and 8" pipeline.	$180,000
10	C	2500	Idyllwild Water District	3310019	11	Continue program of distribution pipeline replacement.	Construct 5,000 feet of 6" and 8" pipeline.	$180,000
10	C	2500	Idyllwild Water District	3310019	10		Construct 5,000 feet of 6" and 8" pipeline.	$180,000
10	C	2568	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	1	SYSTEM WHICH SERVES 125 PARCELS IS UNDERSIZED FOR ADEQUATE SUPPLY CAPACITY.	INSTALL NEW C-900 6" THROUGHOUT WITH NEW SERVICES AND FIRE HYDRANTS EVERY 500'. OTHER - DESIGN AND CONSTRUCTION.	$700,000
10	C	2568	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	2	INADEQUATE TREATED WATER STORAGE ON THE SOUTHSIDE OF DISTRICT INCASE OF MAJOR PROBLEM OR LINE DISRUPTIONS.	INSTALL A 500,000 GALLON BOLTED TANK ON DISTRICT LOT IN LILAC TERRACE SUBDIVISION. OTHER - DESIGN AND CONSTRUCTION	$100,000
10	C	2580	North Gualala Water Company	2310007	1	Pressures fall below 20 psi. Storage in two zones are below minimum recommended, other tanks are old and leaking. Monitoring equipment at surface water plant cannot respond to extreme fluctuations in surface water quality.	Replace mains, services, create new circulating loops, replace storage tanks, filter plant and generator.	$1,500,000
10	C	2650	Lake Alpine Water Company	210001	2	INADEQUATE STORAGE IN MIDDLE PRESSURE ZONE	CONSTRUCT WATER STORAGE TANK	$100,000
10	C	2800	BASS LAKE WATER COMPANY	2010003	2	Intake pipeline to the surface water treatment plant is old, undersized, and has numerous leaks throughout its length.	Construct a new 8-inch diameter raw water pipeline.	$800,000
10	C	3019	MARIANA RANCHOS CWD	3610030	1	Old, substandard mainline	Replace mainline	$347,200

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	3300	Seaside Municipal Water System	2710018	3	Corrosion on the inside of two storage tanks - need to be recoated.	Resurface inside of tanks.	$100,000
10	C	3300	Seaside Municipal Water System	2710018	2	Tops of two water storage tanks are rusting.	Replace tops of tanks.	$150,000
10	C	3600	LAKE DON PEDRO C S D	5510008	4	TASTE, ODOR AND COLOR COMPLAINTS DUE TO 85 DEADENDS WITHOUT BLOWOFFS. ALSO RAPID CONSUMPTION OF CHLORINE RESIDUAL LEVELS.	INSTALL BLOWOFFS ON DEADENDS.	$63,750
10	C	5000	HILMAR COUNTY WATER DISTRICT	2410012	1	The water system lacks adequate storage capacity.	Construct a one million gallon water storage tank.	$1,250,000
10	C	5100	Blue Lake Springs Mut Wtr	510009	1	UNDERSIZED MAINS	REPLACE UNDERSIZED MAINS WITH NEW, LARGER MAINS	$4,000,000
10	C	5302	Calistoga, City of	2810002	3	Insufficient treated water storage.	Site development and construction of new 1 MG storage tank and transmission main.	$2,000,000
10	C	5302	Calistoga, City of	2810002	4	Insufficient available water for present and future City demand.	Find available water and purchase.	$1,000,000
10	C	5302	Calistoga, City of	2810002	5	Silt displacement of water at Kimball Reservoir to the extent of 30+ MG.	Purchase or lease dredging equipment and dredge reservoir over 2 to 3 year summer periods.	$1,000,000
10	C	5458	ACWA Sutter Creek	310003	2	TRANSMISSION MAIN TO AMADOR CITY SERVICE AREA BREAKS EACH YEAR LEAVING TOWN DEALING WITH OUTAGES.	REPLACE THE WATER MAIN. OTHER = DESIGN AND CONSTRUCITON	$85,000
10	C	6082	Hughson, City of	5010008	1	LESS THAN OPTIMAL WATER SUPPLY	REPLACE A FOUR INCH WATER MAIN WITH A TWELVE INCH MAIN. OTHER = DESIGN AND CONSTRUCTION	$500,000
10	C	6082	Hughson, City of	5010008	7	The existing water distribution system has very old (greater than 30 years) and small diameter water distribution pipes that are not in very good condition. In addition, there are a number of dead end lines. These small old diameter pipelines are concen	The City will install approximately one mile of pipelines ranging from 8-inch to 12-inch diameter to improve system pressure and to create looping to the area west of the Santa Fe Rail Road. In addition, three miles of small diameter pipeline replacement	$5,626,000
10	C	6250	GOLDEN STATE WATER CO - APPLE VLY SOUTH	3610107	1	Old, undersized mainline	Replace mainline	$38,000
10	C	6600	SOUTHERN CALIF WC	3010078	1	Reliability of distribution system disinifection residual.***ALL SYSTEMS IN OC DISTRICT ARE INCLUDED:3010077, 3010035/3010047/3010044 AND 3010070. This deficiency may result in bacteriogical contamination of water supply and transmission mains.	Install chlorination turnouts at 6MWD connections	$90,000
10	C	7376	City of Rio Vista	4810004	2	Sections of distribution system is deteriorated.	replace deteriorated mains and appurtenances.	$2,000,000
10	C	7376	City of Rio Vista	4810004	1	Inadequate sized distribution system piping.	Replace 8" transmission line approximately 2 miles.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	7400	CRESTLINE VILLAGE CWD - DIVISION 10	3610015	1	Insufficient and old storage facilities	Construct four new storage reservoirs for a total of 3.35 MG to meet ww stds.	$2,700,000
10	C	7880	SOUTH MONTEBELLO IRRIGATION DIST.	1910153	1	Approximately 2500 feet of old riveted steel pipe is leak prone	Replace the existing 10-inch and 12-inch riveted steel with cement lined ductile iron pipe.	$260,000
10	C	9018	South Mesa WC	3310017	1	Cracks in conrete reservoir number 3. Stability of reservoir questionable.	Replace reservoir with steel tank or rebuild reservoir walls.	$500,000
10	C	15959	GSWC-SOUTH SAN GABRIEL	1910223	1	3500' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE UNDERSIZED MAINS OVER A 2 YEAR PERIOD	$350,000
10	C	18600	Oakdale, City of	5010014	1	OLD, SMALL DIAMETER MAINS LEAKING	REPLACE 2" AND 4" MAINS WITH 8", 10" AND 12" PIPE. OTHER = DESIGN AND CONSTRUCTION	$10,000,000
10	C	20181	LOMITA-CITY, WATER DEPT.	1910073	3	The existing 1,000,000 gal reservoir, constructed in 1929, is limited to 265,000 gallons due to age and damage from seismic activity (1971 Sylmar Earthquake).	Design/construction of a new rectangular, reinforced concrete reservoir of larger capacity (5,000000 gallon) with a water treatment facility, and related construction to facilitate system-wide water supply service.	$10,000,000
10	C	20681	Phelan Pinon Hills CSD	3610120	8	control system needed to reduce costs by allowing for off-peak pumping	construct telemetry system	$50,000
10	C	25000	BIG BEAR CITY CSD	3610008	1	Old transmission main in Van Dusen Cyn	Construct new transmission main	$225,000
10	C	25000	BIG BEAR CITY CSD	3610008	4	Source is in potential flood zone	Construct new well	$250,000
10	C	25000	BIG BEAR CITY CSD	3610008	2	Occasional bacti problems from wells	Study potential sources of contamination	$100,000
10	C	25000	BIG BEAR CITY CSD	3610008	3	High fluoride source that has subsidence and production problems	Construct new well	$225,000
10	C	26177	Rubidoux Community SD	3310044	1	The district's draft 1997 water facilities master plan identifies a water storage deficiency of 1.0 MG based on current conditions, a water storage deficiency of 4.0 MG by 2000, and a water storage deficiency of 5 MG by 20005 in the Atkinson Zone.	Construct a 5 MG water storage reservoir.	$1,800,000
10	C	26177	Rubidoux Community SD	3310044	7		The Rubidoux Community Services District (District) is a multi-County public agency located in western Riverside and San Bernardino Counties. The District has approximately 6,350 active connections of which over 6,000 are single family residents. Domest	$2,000,000
10	C	26177	Rubidoux Community SD	3310044	3	During the summer months, the district experieinces low pressures in the southern portion of the District's service area.	The district master plan recommends construction of 11,000 L.F. of 24" pipeline to alleviate the low pressure problems, provide adequate water service, and to provide adequate fire flow.	$1,600,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	26177	Rubidoux Community SD	3310044	2	The district's draft 1997 water facilities master plan identifies a water production deficiency of 4,400 gpm based on current conditions..	Construct 3-1,500 gpm wel pumping plants and a 4,500 gpm nitrate treatment facility..	$7,900,000
10	C	29281	Santa Paula Water System	5610011	6	Insufficient storage capacity which does not meet Water Works standards.	Purchase propoert, design, construct and inspect construction of a 2.75 MG reservoir in the 200 Pressure Zone.	$2,200,000
10	C	29281	Santa Paula Water System	5610011	3	Distribution system needs to be upgraded, lines are old, inadequate size and in poor condition to comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch distribution main, including services, hydrants, air/vac valves, blowoffs & contract mgmnt.	$842,400
10	C	29281	Santa Paula Water System	5610011	5	Distribution system has some old, inadequate size and poor condition mains which do not comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch dist. Mains including services, hydrants, air/vac, blowoffs & contract mgmnt.	$842,400
10	C	29281	Santa Paula Water System	5610011	1		Design & construct 9,000 lineal feet of 8 inch dist. Mains, including services, hydrants, air/vac valves, blowoffs, contract mgmnt./inspection services. Can be ready to construct July 1998.	$842,400
10	C	29281	Santa Paula Water System	5610011	7	Inadequate storage capacity which does not meet the Water Works standards.	Purchase property, design, construct, and inspect construction of a 0.50 MG reservoir in the 400 East Zone.	$400,000
10	C	29281	Santa Paula Water System	5610011	2	Distribution system has some lines that are old, inadequate size and in poor conditon to comply with W.W.S.	Design & construct 9,000 lineal ft. of 8 inch distr. Main including services, hydrants, air/vac valves, blowoffs & contract mgmnt./inspection services.	$842,400
10	C	29281	Santa Paula Water System	5610011	8	Inadequate storage capacity which does not meet the Water Works standards.	Purchase property, design,construct and inspect construction of a 0.25 MG reservoir in the 400 East Zone.	$200,000
10	C	29867	City of Burlingame	4110003	1	Water supply may be unreliable and storage does not meet Department of Health Services 8-hour requirement.	Contruct an 8 mile pipe line connecting the 3 cities to the Harry Tracy WTP. Combine storage form 12 MG to 23 MG. Storage capacity would meet DOHS -8 - hour demand requirement.	$15,000,000
10	C	30469	GOLDEN STATE WATER CO - BARSTOW	3610043	1	Undersized mainline	Replace mainline	$100,000
10	C	38000	City of Lincoln	3110004	1	Lack of adequate backflow protection in older parts of city;	cross connection survey; design; construction of backflow prevention devices; service line replacement as needed	$350,000
10	C	51350	CITY OF COLTON	3610014	9	Inadequate Storage Central zone	Construct 3 MG reservoir, transmission lines	$2,775,000
10	C	51350	CITY OF COLTON	3610014	8	Inadequate storage West zone	Construct 2 MG reservoir	$2,025,000
10	C	51350	CITY OF COLTON	3610014	11	Old steel transmission lines	Replace and resize lines	$800,000
10	C	51350	CITY OF COLTON	3610014	10	Old distribution system	Replace 38k ft of line	$2,790,000
10	C	54873	GSWC - ARTESIA	1910004	6	Unable to disinfect 2 MWD connections	Install chlorination turnouts at MWD connection	$300,000
10	C	54873	GSWC - ARTESIA	1910004	5	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$800,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	54873	GSWC - ARTESIA	1910004	4	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$400,000
10	C	81418	VICTOR VALLEY WATER DISTRICT	3610052	1	Old steel distribution system lines, new wells needed, new storage reservoirs (2) needed.	Construct needed facilities to ensure compliance with Waterworks Standards.	$2,900,000
10	C	99258	INGLEWOOD- CITY, WATER DEPT.	1910051	1	16 MG RESERVOIR IS DETERIORATED DUE TO AGE AND SEISMIC ACTIVITY OF THE REGION. IT ALSO HAD BACTI PROBLEMS.	DEMOLISH THE EXISTING RESERVOIR AND RECONSTRUCT THREE 5.3 MG PRESTRESSED CONCRETE RESERVOIRS.	$10,000,000
10	C	140000	Escondido, City of	3710006	5	Park Hill Reservoir is 60 + years old, too small (1MG) and does not meet current seismic standards. Inlet/outlet mains and booster PS. Also same age and no longer adequately sized.	Construct new reservoir (3 MG) and pipelines and booster PS.	$3,100,000
10	C	140000	Escondido, City of	3710006	6	A-3 reservoir (1MG) is 60 years old and does not meet current standards. Area transmissions are of same vintage.	Rehabilitate reservoir rather than new. Replace inlet/outlet lines.	$750,000
10	C	140000	Escondido, City of	3710006	1	Flow (in/out) to A-11 reservoir (8 MG) is inhibited due to small pipe (18"). Reservoir is at end of system.	Design and construct new 24" transmission main to reservoir.	$2,750,000
10	C	140000	Escondido, City of	3710006	2	Wohlford Dam Penstock constructed of riveted steel and concrete pipe (42") is 70 years old.	Design and construct replacement	$1,750,000
10	C	168977	GSWC - SOUTHWEST	1910155	1	OLD CAST IRON PIPES WITH BIO-GROWH AND NITRIFICATION PROBLEM	REPLACE WATER MAINS IN CRITICAL AREAS.	$3,575,000
10	C	168977	GSWC - SOUTHWEST	1910155	5	2 PRODUCTION WELLS AT THE CHADRON SITE ARE THREATEN DUE TO A KNOWN LEAKING UST ON THE SITE WHICH WAS REMOVED IN 1990.	CONSTRUCT A NEW WELL IN A UNCONTAMINATED AQUIFER	$1,000,000
10	C	168977	GSWC - SOUTHWEST	1910155	6	NO DISINFECTION AT 12 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT 12 MWD CONNECTIONS	$180,000
10	C	168977	GSWC - SOUTHWEST	1910155	8	ALUMINUM LEVEL EXCEEDING MCL AT ATHENS WELL #1 (CURRENTLY INACTIVE)	INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	$1,100,000
10	C	168977	GSWC - SOUTHWEST	1910155	14	SEA WATER INTRUSION AT OCEAN GATE WELL (CURRENTLY INACTIVE)	EQUIP THE WELL, INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	$1,100,000
10	C	168977	GSWC - SOUTHWEST	1910155	7	OLD CAST IRON PIPES WITH BIO-GROWH AND NITRIFICATION PROBLEM	CEMENT LINING WATER MAINS IN CRITICAL AREAS	$1,000,000
10	C	414710	Eastern Municipal WD	3310009	8	Old deteriorated dead end pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	$500,000
10	C	414710	Eastern Municipal WD	3310009	11	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	12	In the past a number of water systems have been developer built in isolation of the rest of the system. Over time these areas have grown together, but have not been interconnected. The resultant water quality problems at dead end pipelines, …	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	$500,000
10	C	414710	Eastern Municipal WD	3310009	23	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	$500,000
10	C	414710	Eastern Municipal WD	3310009	1	Moreno Valley MWC operating responsibility aquired. The system has 2 wells contaminated with Nitrate. A non-operational wellhead treatment system and network of undersized and aged distribution lines.	Study and upgrade the distribution system and investigate the feasibility of reactivating the nitrate wellhead treatment system. Install proper controls and upgrade piping and instrumentation.	$1,000,000
10	C	414710	Eastern Municipal WD	3310009	27	Bradley Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$630,000
10	C	414710	Eastern Municipal WD	3310009	25	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	$500,000
10	C	414710	Eastern Municipal WD	3310009	22		Develop an annual program for replacements of these pipeline and valves.	$500,000
10	C	414710	Eastern Municipal WD	3310009	34	Sun City Blvd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$710,000
10	C	414710	Eastern Municipal WD	3310009	24	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	$500,000
10	C	414710	Eastern Municipal WD	3310009	29	The pipeline in Cawston Ave. is located in extremely corrosive soil. This has caused leaks in the past which were potentially capable of causing water contamination. The last major leak lost in excess of 3 MG.	Install cathodic protection and bond all pipe joints.	$778,600

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	28	Carmel Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$936,000
10	C	414710	Eastern Municipal WD	3310009	35	Worcester Rd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$911,000
10	C	414710	Eastern Municipal WD	3310009	49	Several pipelines in theGood Hope area have a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace these CML&C pipes with PVC and where necessary upgrade undersized pipe.	$172,000
10	C	414710	Eastern Municipal WD	3310009	31	The pipeline in Ellis Ave. between Antelope Rd. and Murrieta Rd. is located in extremely corrosive soil. The result is frequent leaks and possible water contamination.	Install cathodic protection on this pipeline.	$123,000
10	C	414710	Eastern Municipal WD	3310009	33	Ridgemoor Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$381,000
10	C	414710	Eastern Municipal WD	3310009	10	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	$500,000
10	C	414710	Eastern Municipal WD	3310009	15	The Good Hope pressure zone is critically short of finished water storage facilites, and is not able to supply enough water to meet average day demand.	Construct a 3.4 MG finished water tank.	$2,730,800
10	C	414710	Eastern Municipal WD	3310009	9	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	$500,000
10	C	414710	Eastern Municipal WD	3310009	30	Cherry Hills Blvd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$991,000
10	C	414710	Eastern Municipal WD	3310009	48	Hemlock Ave. pipeline in the City of Moreno Valley has history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$360,000
10	C	414710	Eastern Municipal WD	3310009	32	Several pipeline in the Quail Valley area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	$296,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	26	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	$500,000
10	C	414710	Eastern Municipal WD	3310009	50	The A St. pipeline in the City of Perris has a history of leaks. This pipeline is the major transmission line for the community of Good Hope and part of the City of Perris. The leaks have caused disruption of service and loss of pressure in the sys	Replace leaky section of CML&C pipe with PVC.	$1,020,000
10	C	414710	Eastern Municipal WD	3310009	7	Finished water storage capacity in the Daily/Daily Regulated pressure zone is inadequate. As a result, pump failure in this system causes pressure loss and exposes a large number of domestic water users potentially to water contamination.	Construct a 1.0 MG finished water tank.	$500,000
10	C	457514	City of Sacramento	3410020	7	Insufficient emergency power for the plant during power outages.	Install a new engine-generator for additional standby power. Involves refinance, design and construction.	$100,000
10	C	457514	City of Sacramento	3410020	13	Existing treated water pump station is aged and structure settlement and pipeline leaks have occurred.	Provide new treated water pump station and connecting piping. Involves design and construction.	$20,000,000
10	C	457514	City of Sacramento	3410020	14	Clearwells require interconnecting piping to allow the two reservoirs to float as one storage unit.	Install a new 60-inch steel interconnecting pipe. Involves refinancing and construction.	$100,000
10	C	457514	City of Sacramento	3410020	15	Inefficient emergency power for the treatment plant during power outages.	Provide additional standby power by installing a new engine-generator. Involves refinancing, design and construction.	$100,000
10	C	457514	City of Sacramento	3410020	16	Concrete slabs and walls in existing basins and filters are cracked and have lost a large part of the cement matrix at the surface exposed to water.	Repair cracks and place a concrete coating on the slab and wall surfaces.	$500,000
10	C	457514	City of Sacramento	3410020	3	Cross-connection control surveys must be done.	Conduct a cross-connection program survey. Data will be used to establish a priority list for backflow assembly.	$131,500
10	C	457514	City of Sacramento	3410020	22	Water pressure levels in South Sac routinely drop below the City's minimum water pressure level.	Isolate South Sac as single pressure zone. Modify Florin Reservoir Pump Station to increase discharge head. Construct groundwater well to help supply peak demand. Involves refinancing and construction.	$306,000
10	N	29	OAK PARK WS	2700999	4	Non-potable irrigation system is not adequately separated from potable distribution system.	Replace existing potable distribution system with adequate separation.	$40,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	N	29	OAK PARK WS	2700999	1	System needs to install booster system and replace water mains due to lack of water pressure and aging pipes.	Install pressure system and replace aging water mains.	$50,000
10	N	50	Sonoma County Parks-Stillwater Cove	4901207	1	Need well, distribution lines, water pumps, chlorinator and tank replacement.	Replace well, distribution lines, water pumps, chlorinator and tanks.	$125,000
10	N	50	AZALEA TRAILS GIRL SCOUTS CAMP	3301025	1	Storage capacity is inadequate. We need a second tank for increased storage. Water lines are close to or on the surface. Lines need to be buried at an adequate depth to prevent freezing.	Would like to construct a 20,000 to 40,000 gallon storage tank and replace approximately 2000' of 4-inch line and approximately 3000 of 2-inch line.	$100,000
10	N	94	SKY HIGH RANCH HOA	500021	1	DISTRIBUTION SYSTEM OF SMALL PIPE SIZES, INADEQUATELY BURIED.	REPLACE/REMEDIATE DISTRIB8UTION SYSTEM. OTHER = STUDY, DESIGN AND CONSTRUCTION	$625,000
10	N	165	MUSICK CREEK TRACT ASSOCIATION	1000058	1	THE TWO ACTIVE WELLS HAVE MARGINAL CAPACITY TO MEET THE DEMANDS OF THE SYSTEM, ESPECIALLY DURING DRY YEAR.	CONSTRUCT A NEW WELL.	$15,000
10	N	800	CSP-J.P. Burns Park	2710302	1	Three redwood tanks need to be replaced. Supply and signal lines from well need to be replaced.	Replace and relocate tanks. Install security fence and monitoring equipment.	$24,000
10	N	1000	CSP-Andrew Molera State Reserve	2710301	1	Erosion has exposed the main water line requiring that it be relocated.	Dig up and relocate existing line away from river bank. Install monitoring equipment to improve inspection of the system.	$12,000
10	N	5000	WILLOW SPRINGS RACEWAY	1502223	1	Needs new generator - currently using old diesel generator to operate well.	Bring electricity to water systems to replace generators	$100,000
10	P	25	NEW CAMALDOLI HERMITAGE WS	2702268	1	Deteriorating water storage tanks.	Construction of 3 new tanks.	$12,000
10	P	50	MANTON SCHOOL	5200532	1	Lack of Storage and aging pipes. Water treatment and disinfection facilities.	Build a storage tank of about 30,000 gallons, and add new pipe for school.	$10,000
10	P	55	PACIFIC VALLEY SCHOOL WS	2702254	1	System facilities (well, storage, distribution) are in poor condition resulting in TCR violations.	Need to install new well, storage tank, and pipes.	$30,000
10	P	75	WHITMORE UNION ELEM SCHOOL	4500181	1	Insufficient water pressure. System not fulfilling Section 64566 (system pressure) of the Waterworks Standards.	Install 125 gallon bladder tank on a steel frame to provide the pressure required by the Waterworks Standards.	$10,000
10	P	115	SHAWS FLAT ELEMENTARY SCHOOL	5500107	1	SYSTEM LACKS RELIABILITY AS IT IS SUPPLIED BY ONLY ONE WELL AND THE STORAGE CAPACITY IS LESS THAN ONE DAY'S DEMAND.	CONSTRUCT A NEW WELL AND INSTALL A 15,000 GALLON STORAGE TANK.	$45,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	P	200	WARM SPRINGS REHABILATION CENTER	1900756	4	Water Quality from Well #1 has ARSENIC concentrations that exceed the 0.50 milligrams per liter (mg/L) National Primary Drinking Water Standard Maximum Contaminated Level. The water system has insufficient water storage for fire protection.	The Water system is in need of an additional water source to meet the demands of the community, and to reduce arsenic concentrations. i.e. new ground water well.	$500,000
10	P	300	WALNUT GROVE ELEMENTARY SCHOOL	3400268	1	Single well source with no storage; unreliable.	Install storage tank to increase storage capacity.	$50,000
10	P	350	DELTA HIGH SCHOOL	5700510	1	Not enough storage capacity.	Intstall 20,000 gallon storage tank. Involves design and construction.	$35,000
10	P	400	CLARKSBURG MIDDLE SCHOOL	5700509	1	Inadequate storage.	Install 20,000 gallon tank.	$33,000
10	P	400	PESCADERO HIGH SCHOOL	4100513	1	Cracked well casing needs to be repaired.	Feasibility study to consolidate with CSA 311 San Mateo County.	$15,000
5	C	40	BAUMANN RD WS #01	2700842	1	System needs new holding tank, new line to the pump, and new pressure tanks.	Replace holding tank, construct new line to the pump, and replace pressure tank.	$10,000
5	C	50	COLORADO MUTUAL	1900801	1	LOW WATER PRESSURE (APPROX. 35 PSI) DURING NORMAL OPERATION.	UPDATE PUMP TO A 10 HP PUMP AND INSTALL AN AIR PRESSURE PUMP AND VARIOUS ELECTRICAL TO ACCOMMODATE CHANGE	$10,000
5	C	50	RANCHO CHAPARRAL MWC	2701278	3	Inadequate water storage to meet demand [No documentation provided]	Conduct assessment to determine storage requirements, and design/construct tank, pump, fittings, and plumbing	$50,000
5	C	50	DESERT VIEW TRAILER PARK	3301209	1	Lack of storage.	None listed	$10,000
5	C	50	CHETMOORE ACRES WA	2700634	1	Lack of water storage capacity, and water mains are aging (constructed in the 1940's).	Install new water mains and two new 20,000 gallon storage tanks	$50,000
5	C	63	BRITE LAKE COMMUNITY ASSOCIATION	1500489	1	(1) Old decaying water lines that presently deliver water. (2) Back up well to provide water service in case of mechnical breakdown	Replace 2000-3000 ft. of water line. Replace pump and well system	$30,000
5	C	70	LUNDY MUTUAL WATER COMPANY	2600532	1	Refinance loan, additional storage, additional source, standby power, equipment for repairs	Refinance loan, construct new tank and well, purchase generator and other equipment	$500,000
5	C	72	MCCOY RD WS #05	2701040	1	System needs new storage tank, pump stations, and distribution mains.	Install tanks holding approx. 30,000 gallons and new pumping station. Install main lines from holding tanks with fire hydrants on new distribution lines.	$150,000
5	C	90	Lake View Mutual Water Co.	2300606	2	System needs shut-off valves so system components can be isolated.	Install readily accessible shut-off valves so system components can be isolated.	$10,000
5	C	100	Sonoma Ranch Mutual Water Company	4900843	1	3 existing wells provide a marginally adequate supply of water. Capacity of storage tanks is inadequate. Existing storage tanks and distr. Lines are old and in some cases inadequate.	Crill new well. Install new storage tank. Upgrade existing tanks or main pipeline. Upgrade existing controls and valves. Construct control station facility and chlorination system.	$723,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	120	CLEMENTS WATER WORKS #43	3900504	1	SINGLE WELL SYTEM WITH NO AUXILIARY POWER	DRILL SECOND WELL AND INSTALL AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCTION	$450,000
5	C	144	SIERRA BREEZE MUTUAL WATER COMPANY	1500447	1	REPLACEMENT OF DISTRIBUTION SYSTEM	TREATMENT SYSTEM FOR NITRATES; REPLACE DISTRIBUTION LINES. OTHER - DESIGN, STUDY AND CONSTRUCTION	$300,000
5	C	150	ROLLING WOODS MUTUAL WATER CO	4400542	1	One water line is corroded and needs to be replaced.	Replace water line.	$12,500
5	C	150	MD#40 SUNSET RIDGE ESTATES	2000851	1	THE SYSTEM SOURCE, STORAGE, AND DISTRIBUTION FACILITIES ARE NOT ADEQUATE TO MEET THE GROWING DEMANDS OF THE SYSTEM.	INSTALL A NEW WELL, 50,000 GALLON STORAGE TANK, AND DISTRIBUTION SYSTEM.	$200,000
5	C	150	STRAWBERRY RD WS #06	2700766	3	Bacti sampling frequently tests positive for coliform	Need a cement slab at well to prevent contamination. Need new 15,000 gallon tank.	$15,000
5	C	150	STRAWBERRY RD WS #06	2700766	2	Water storage tanks are old and in poor condition.	Replace existing tank or tanks with new tank and new cement pad.	$12,000
5	C	150	GARRAPATA WC INC	2701257	1	Distribution piping and facilities need replacement.	Install new piping (supported in areas with steel beams in concrete), fencing, pumps, meters, storage tanks, and a new well.	$124,900
5	C	150	STRAWBERRY RD WS #06	2700766	1	Need new storage tank and cement slab to prevent contamination.	Replace holding tank and remove existing tank.	$12,240
5	C	150	CAMP WILLIAMS- RESORT	1900529	1	STORAGE TANKS NEED REPAIRS, EMERGENCY BACK-UP WELL NEEDS TO BE BROUGHT ON-LINE, NEED TO INSTALL CHLORINATOR AND PUMP HOUSE, NEED TO REPAIR MAIN LINES TO INCREASE PRESSURE	RETAIN SERVICES OF REQUIRED PERSONNEL TO DO REPAIRS.	$10,000
5	C	195	AWA La Mel Heights #3	310019	1	SYSTEM HAS A SINGLE WELL AND THE TANK IS BADLY CORRODED AND LEAKS	DRILL A SECOND WELL AND REPLACE THE TANK WITH A LARGER, NEW ONE. OTHER = DESIGN AND CONSTRUCTION.	$175,000
5	C	200	NEW HORIZONS MOBILE/RV PARK	1000259	2	System supplied by one well if it fails the system is out of water.	Drill a new well or interconnection if possible.	$200,000
5	C	202	THREE PALMS MOBILEHOME PARK	1000299	1	Single well system, if well fails, system is out of water	Drill a new well or interconnection	$200,000
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	6	Distribution system contains some undersized pipes, with less than 30 inches of cover, improper bedding, and no thrust block protection, causing periodic outages. System delivery capability is in sufficient to meet current demand.	Build 17,600 feet of 4-inch and 35,300 feet of 6-inch new water mains.	$2,580,800
5	C	225	Western Mobile Home Park	4900791	1	Low water pressure to part of system.	Run 2 inch line with 3/4 inch lateral to each of the 5 homes affected.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	225	MOUNTAIN MEADOWS MWC	2600620	1	Inadequate storage to ensure continuous pressure during emergencies and/or maintenance	Construct second storage tank	$250,000
5	C	229	CASITAS MUTUAL WATER COMPANY	5601104	1	Distribution system needs upgrades to comply with Water Works standards.	Design to solve problem, increase pumping ability (psi), replace old lines & interconnect to form grids and loops.	$150,000
5	C	230	RIVERVIEW WATER ASSOCIATION	707577	1	Low water level in one well.	Drilling deeper well and installing newer pump.	$10,000
5	C	235	LAKE WOHLFORD RESORT	3700919	1	Need new well which will require new electric service. Need extra storage tank 60,000 gallon. System has had outages.	Install well, run electricity to well. Purchase and install storage tank.	$120,000
5	C	239	SUNSET WEST MOBILE HOME PARK	1000378	1	Single well, if it fails, system is out of water.	Drill a new well or inconnection if possible.	$200,000
5	C	268	Tres Pinos CWD	3500509	1	Inadequate water production and storage.	Drill new well. Construct new pipe line. Add 500,000 gallon tank and other new equipment. Need funds for design and construction.	$1,000,000
5	C	300	GREEN ACRES MOBILE HOME ESTATE	1000229	2	System supplied by one well. If it goes out due to drought, they will be out of water.	Drill a new or interconnect if possible.	$200,000
5	C	300	Yosemite West Water System	2210924	1	NO BACKUP SOURCE OR POWER SUPPLY, NO EMERGENCY CHLORINATION SYSTEM, AND DISTRIBUTION SYSTEM DEFICIENCIES.	CONSTRUCT A NEW WELL AND BACKUP GENERATOR, INSTALL AN EMERGENCY CHLORINATION SYSTEM, AND MAKE VARIOUS DISTRIBUTION SYSTEM IMPROVEMENTS.	$670,000
5	C	340	Palomino Lakes Mutual Water Co.	4900570	1	Need more water storage.	Construct new 100,00 or 150,00 gal tank.	$85,000
5	C	375	Ward Well Water Company	3110031	1	40 year old storage tank deterioration, 45+ year old pipes rusting through, addition of hydrants as we replace mains	Replace tank - increase capacity, replace mains	$1,000,000
5	C	438	VEGA RD WS #01	2700787	1	Existing tanks are very deteriorated and can not be repaired, resulting in inadequate water storage capacity.	Construct new water tank and associated appurtenances.	$175,000
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	5	Needs adequate size line from storage tank to Thatcher Road to comply with Water Works standards.	Replace line from tank to distribution system.	$96,090
5	C	578	Julian Community Services District	3700909	1	Operations plant old and unreliable.	Replace with updated modern equipment	$150,000
5	C	582	ARROWBEAR PARK CWD	3610110	1	Undersized mainline	Replace mainline to WW stds.	$150,000
5	C	600	Placer CSA - Sheridan	3110048	1	Lack of well capacity and storage	New wells and ground level water storage tank	$875,000
5	C	1175	MADERA CO SA #1-INDIAN LAKES	2010011	1	THE WATER SYSTEM NEEDS ADDITIONAL SOURCE AND STORAGE CAPACITY TO MEET THE GROWING DEMANDS OF THE SYSTEM.	INSTALL A NEW WELL AND A 750,000 GALLON STORAGE TANK.	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	1200	BELLFLOWER HOME GARDENS WC	1910012	1	Reliability Well #3 production marginal and requires replacement.	Design and construction of a replacement well.	$150,000
5	C	1392	PASO ROBLES BEACH WATER ASSN	4010006	1	Needs to upgrade the system to comply with Water Works standards.	Build new tank and replace mains.	$650,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	2	Damaged Delores Tunnel Well transmission line to the Vosburg Reservoir.	Replace and realign damaged line to restore delivery of a potable water source.	$130,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	1	Well No. 3 transmission line is subject to washout during rainy weather as it crosses a major flood channel 6' above unlined channel bed.	Relocate 8" transmission line to New York Drive, attaching line to bridge.	$150,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	7	WW standards defects. Two (2) aged concrete reservoirs are in need of replacement.	Design and construct one larger concrete reservoir.	$400,000
5	C	1964	Majestic Pines Community SD	3710041	1	More water source is needed to reliably meet demands. New reservoir at whispering pines site. Line looping and intertie w/Julian CSD (see attachment).	See attachment	$10,000
5	C	2386	Amador County Service Area #3/Unit 6	310021	2	PRODUCTIVITY OF WELLS FAILING. IRON AND MANGANESE IN AVAILABLE GROUNDWATER.	DEVELOP A SURFACE WATER SUPPLY AND CONSOLIDATE SYSTEM 0310021 WITH 0310008. OTHER = DESIGN AND CONSTRUCTION	$2,050,000
5	C	2386	Amador County Service Area #3/Unit 6	310021	1	RAPIDLY DWINDLING WATER SUPPLY WITH IRON AND MANGANESE PROBLEMS.	BUILD AND CONNECT TO REGIONAL SURFACE WATER TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION.	$2,100,000
5	C	3640	San Joaquin County-Mokelumne Acres	3910017	2	WATER SYSTEM NEEDS LOOPING	ADD WATER LINES TO LOOP ENTIRE SYSTEM. (SAYS CONSOLIDATION, BUT DOES NOT SEEM POSSIBLE.) OTHER = DESIGN AND CONSTRUCTION.	$400,000
5	C	3969	Redwood Valley County Water District	2310008	1	Shortage of treated water storage.	Construct a 400,000 gal treated water storage tank.	$455,000
5	C	3969	Redwood Valley County Water District	2310008	3	A long run of 6 inch dead end line creates restricted flow in an area of the District distribution system with the highest demand.	Install 2100 LF of 8 inch main line to loop system and provide improved service characteristics.	$130,000
5	C	3969	Redwood Valley County Water District	2310008	4	Inadequate pump capacity which prevents district form utilizing the full treatment capacity of its water treatment plant.	Replace a 40 HP pressurization pump with a 60 HP pump to increase plant capacity from 1.5 MGD to 2.23 MGD.	$15,000
5	C	3969	Redwood Valley County Water District	2310008	2		Construct a 500,000 gal treated water storage tank.	$365,000
5	C	4074	VALLEY VIEW MUTUAL WATER CO.	1910165	1	Replace undersized main lines and service lines, possible drilling of new well to replace well that went dry.	Low pressure on the old main lines, possible storage tanks installation plus a chlorination system.	$500,000
5	C	5220	Durham Irrigation District	410003	1	Old watermains. Insufficient source capacity.	Replace water mains and increase capacity of new well.	$180,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	5742	Golden State WC - Yorba Linda	3010070	1	Lack of reliability to the existing water source.	Study design and construct a new Surface Water Treatment plant to utilize the MWD raw water connection in close proximity to the plant site.	$2,000,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	6	Old, undersized steel mainline	Replace 4450 ft of main	$267,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	10		Replace 2250 ft of main	$135,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	9		Replace 3050 ft of main	$183,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	8		Replace 2770 ft of main	$166,200
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	7		Replace 2800 ft of main	$168,000
5	C	6796	Golden State Water Co - Arden Water Serv	3410003	1	No remote monitoring.	Install automation and telemetry.	$20,000
5	C	7788	GOLDEN HILLS CSD	1510045	1	In case of emergency district has no alternative source of water.	Tie the Golden Hills and City of Tehachapi water systems together. Other - Design/Construction	$175,000
5	C	7788	GOLDEN HILLS CSD	1510045	4	District is utilizing it's full capacity from the existing usable wells, all located within our adjudicated area.	Develop and construct a system of wells in our nonadjudicated area, while continuing to increase our water rights. Other - Design/Construction	$800,000
5	C	7788	GOLDEN HILLS CSD	1510045	5	Current district storage capacity only provides water for 24 hours.	Construct a 1mg storage tank. Other - Design/Construction	$500,000
5	C	7788	GOLDEN HILLS CSD	1510045	2	District operates on thirteen wells. Nine wells have an output of less than 300 gpm., three have an output of less than 100 gpm.	Construct 4 new wells. Other - Design/Construction	$400,000
5	C	8508	ACWA Buckhorn Plant	310012	4	The Buckhorn Water Treatment Plant (WTP) source water is received via a siphon diversion from the PG&E Tiger Creek Afterbay on the Mokelumne River at an elevation of 2330 feet. The water is conveyed through the 30+ year old Central Amador Water Project (	The project would complete environmental requirements, right-of-way acquisition, construction plans and specifications together with construction of the CAWP Gravity Supply Line (GSL) Conveyance Project. The project consists of 30,000± to 33,000± linear	$12,666,655
5	C	11852	Imperial, City of	1310006	4	Obsolete water mains and valves. Inadequate valving (potential hazard to large sections of City in the event of water main failure and shut down).	Start program to replace obsolete mains and valves	$500,000
5	C	11852	Imperial, City of	1310006	3	City has inadequately sized water mains to serve existing residences in the City's Sphere of Influence.	Install and replace with properly sized water mains.	$600,000
5	C	12427	CITY OF LATHROP	3910015	1	Aging network of small diameter mains in oldest part of town	Replace network with larger diameter mains.	$4,500,000
5	C	12626	NIPOMO COMM SERVICES DIST	4010026	1	Distribution system needs to be upgraded to comply with Water Works standards.	Drill a new well, construct a new transmission line to a new water storage facility	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	12626	NIPOMO COMM SERVICES DIST	4010026	2	Bottle neck in the distribution system which restricts water flow from the west side to the east side of the District's system when wells are running.	Construct approx. 5500 feet of new water lines to enhance water flow and energy savings.	$375,000
5	C	15222	FILLMORE WATER DEPT	5610002	3	System pressure does not comply with Water Works standards at times.	Create new pressure zone so that minimum pressure would be 40 psi and tanks could be exercised daily.	$745,000
5	C	16715	Golden State Water Company - Bay Point	710002	4	replace aging distribution water main to improve system reliability and water quality.	Replace 500' of 2" OD steel water main.	$35,000
5	C	17100	Rio Linda/Elverta Community Water Dist	3410018	2	High manganese levels in well and inadequate water supply.	Construct 500,000 gallon water storage tank. Involves design and construction.	$450,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	5	Low pressure in Zone 1.	Install booster station.	$750,000
5	C	21780	Valley of the Moon Water District	4910013	7		New distribution pipelines.	$550,000
5	C	21780	Valley of the Moon Water District	4910013	6		Install Booster pumps and transmission/distribution pipelines.	$550,000
5	C	21780	Valley of the Moon Water District	4910013	8	Low-head lines in system.	New distribution pipelines.	$800,000
5	C	21780	Valley of the Moon Water District	4910013	4		Install new larger lines and booster pumps.	$1,800,000
5	C	22000	PORT HUENEME WATER DEPT	5610009	1	Waterworks standards are difficult to meet in certain sections due to undersized water mains.	Install ten water mains to replace the undersized 4,6 & 8 -inch water mains.	$535,000
5	C	22000	PORT HUENEME WATER DEPT	5610009	4	Two backup wells do not have disinfection facilities.	Install emergency gas chlorination disinfection facilities for the two wells.	$20,000
5	C	22000	PORT HUENEME WATER DEPT	5610009	3	Distribution system needs upgrades to better water quality and comply with Water Works standards.	Install two water mains to close the distribution loops and interconnect the distribution system which will decrease the detention time to help aviod nitrification problems.	$30,000
5	C	22000	PORT HUENEME WATER DEPT	5610009	6	Cast Iron mains constain lead joints amd impart lead contamination to water supply.	Replace two cast iron water mains with PVC C900.	$30,000
5	C	23564	SAN FERNANDO-CITY, WATER DEPT.	1910143	2	Several key water system transmission lines are damaged from earthquake activity and system aging. Frequent leakage repair creates a potential for water system contamination.	Design and replace approximately 1.75 miles of 18-inch water transmission lines.	$1,100,000
5	C	23564	SAN FERNANDO-CITY, WATER DEPT.	1910143	1	Reservoir No. 4 was damaged in the 1994 Northridge earthquake. Replacement storage is needed to maintain system pressure.	Replace the 1.0 million gallon system storage Reservoir No. 4. Project involves: Design to solve problem, and Construction	$2,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	23564	SAN FERNANDO-CITY, WATER DEPT.	1910143	4	WW standards defect. Reliability of outdated telemetry system.	Upgrade to a computerized telemetry system. Project involves: Study, Design, and Construction	$180,000
5	C	24157	City of Seal Beach	3010041	2	Reliability of chlorination system not acceptable by Fire Authority.	Upgrade 4 well sites using containment or on site chlorination.	$300,000
5	C	24157	City of Seal Beach	3010041	1	Reliability of existing distribution piping poor due to undersized lines, leaky vales in operable valves.	Replace water lines with pvc and resilient wedge gate valves.	$1,428,000
5	C	27199	Placer CWA - Auburn/Bowman	3110005	1	Does not have a standby generator and when power is lost, the plant does not operate. The water treatment plant does not have the required level of reliability as stated in SWTR Section 64659.	Install standby diesel generator. Involves design and construction.	$200,000
5	C	40000	Carmichael Water District	3410004	6	Reservoir needs painting, coating and construction of vents.	Install vents, paint and coat reservoir.	$600,000
5	C	40000	Carmichael Water District	3410004	2	Water main is causing water quality and delivery problems.	Replace 35 miles of water main. Involves design and construction.	$17,000,000
5	C	48909	Golden State Water Co. - Cordova	3410015	1	No regional system monitoring.	Install automation and telemetry at Kilgor and El Segundo Wells.	$20,000
5	C	51014	MONTE VISTA CWD	3610029	9	Old undersized mainline	Replace mainline Phase III	$2,200,000
5	C	51014	MONTE VISTA CWD	3610029	10		Replace mainline Phase IV	$2,200,000
5	C	51014	MONTE VISTA CWD	3610029	8		Replace mainline Phase II	$2,200,000
5	C	51014	MONTE VISTA CWD	3610029	2	High nitrate in several sources	Recharge basin with low nitrate water using injection wells	$700,000
5	C	51014	MONTE VISTA CWD	3610029	7	Old undersized mainline	Replace mainline Phase I	$410,000
5	C	51014	MONTE VISTA CWD	3610029	5	High nitrate in several sources	Construct Plant 4 blending station	$62,000
5	C	51014	MONTE VISTA CWD	3610029	4		Construct Plant 17 blending station	$276,000
5	C	51014	MONTE VISTA CWD	3610029	1		Recharge basin with low nitrate water using injection wells	$920,000
5	C	51014	MONTE VISTA CWD	3610029	11	Old undersized mainline	Replace mainline Phase V	$2,200,000
5	C	64000	MONTEREY PARK-CITY, WATER DEPT.	1910092	3	WW standards defect. Reliability of outdated telemetry system.	Install SCADA system. Project involves: Design to solve problem and Construction	$935,000
5	C	64000	MONTEREY PARK-CITY, WATER DEPT.	1910092	2	WW standards defect. Treated water reservoir does not meet reliability and fire storage requirements.	Build 3 reservoirs (total 8.7 million gallons) in 3 different pressure zones.	$7,600,000
5	C	64000	MONTEREY PARK-CITY, WATER DEPT.	1910092	1	WW standard defect. No back-up on emergency power.	Install 3 generators to partially operate system when primary power gone.	$670,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	66256	PARK WC - BELLFLOWER-NORWALK	1910211	1	Aged wells are declining in both production and water quality.	Preliminary and final design and construction of replacement well.	$1,180,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	8	Expected shortage of water supply, based upon present growth projections for the fiscal year 1998/99. Need additional source of supply.	Construct a new 30 cfs MWD connection. Project involves: Design to solve problem, and Construction	$300,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	7		Design and construct a new 3,500 gpm groundwater replacement well.	$550,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	2	Sub-standard pressures experienced at times of maximum day flow in the Upper Baldwin Park Pressure Zone.	Design and construct new piping to connect the affected Zone to the Morada Pressure Zone.	$250,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	1	Chlorination systems require immediate upgrading to meet present codes (Palm, Joanbridge and Maine Plants).	Design and construct new chlorination systems and containment buildings.	$225,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	3	Reliability. Current water supply is inadequate.	Design and construct one 3,000 gpm connection to the City of Azusa.	$250,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	4	Reliability. Inadequate water supply for the Morada Zone. Morada Well off-line due to nitrate VOC and perchlorate contamination.	Design and construct removal or blending facility for the Morada Well.	$750,000
5	C	75076	VALLEY COUNTY WATER DIST.	1910009	6	Joanbridge Well Site and Maine Sites are contaminated with nitrates, VOC's, perchlorate and MtBE above their detection levels. No standards exceeded at present.	Construct new treatment facilities at each Well site to remove or blend nitrates, remove perchlorate, remove MtBE, and remove VOC's. Project involves: Study, Design, and Construction	$1,000,000
5	C	108724	Mesa Consolidated WD	3010004	10	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Bake between Fairview and Bristol.	Replace 16" line on Baker	$2,760,000
5	C	108724	Mesa Consolidated WD	3010004	28	Ww standards defects. Aging infrastructure where there is the potential for contamination due to leaks or breaks in pipes on Village from Harbor Blvd to Fairview.	Replace 10" line on Village	$887,500
5	C	108724	Mesa Consolidated WD	3010004	27	Ww standards defects. There are some continuous use customers who cannot have their water service interrupted for health and safety reasons.	Installations of a second service line off a second distribution main to allow for uninterrupted service.	$325,000
5	C	108724	Mesa Consolidated WD	3010004	26	WW standards defects. A portion of the system is a no loop system with fead ends. There is the potential for low chlorine residuals and stagnant water that could result in microbiological contamination.	Construction of 5 interies at 23rd and Newport , Kemp reservoir and Wilson, Santa Ana & Mesa, Santa Isabel & Tustin and Monte Vista & Santa Ana	$200,000
5	C	108724	Mesa Consolidated WD	3010004	24	Ww standards defect. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on Placentia between Wilson and 19th.	Replace the 14" line on Placentia	$1,645,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	108724	Mesa Consolidated WD	3010004	29	WW standards defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on Wallace between Hamilton and 19th.	Replace the 8" line on Wallace	$530,000
5	C	108724	Mesa Consolidated WD	3010004	22	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Monterey between Mission and El Camino.	Replace 12" line on Monterey	$285,000
5	C	108724	Mesa Consolidated WD	3010004	6	Ww standard defects. Aging infrastructure where there is the possibility of contamination caused by leaks or breaks in the pipes on 18th Street between Placentia and Anaheim.	Replacement of main.	$500,000
5	C	108724	Mesa Consolidated WD	3010004	20	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on Meye between Hamilton and 19th Street	Replacement of the main	$500,000
5	C	108724	Mesa Consolidated WD	3010004	9	Ww standard defects. Aging infrastructure where there is the potential for contamination caused from leaks or breaks in the pipes on Adams from Placentia to Royal Palm.	Replace 12" line on Adams	$1,260,000
5	C	108724	Mesa Consolidated WD	3010004	30	Ww standards defects. There is currently no efficient way for the removal of floating materials from the water surface and for dewatering from the Kemp Reservoir (reservoir #2) .	Installation of a storm drain on 23rd Street, and an overflow line from the reservoir.	$3,000,000
5	C	108724	Mesa Consolidated WD	3010004	21	Ww standards defects. Aging infrastructure where there is potential for contamination caused by leaks or breaks in pipes on Meyer between Hamilton and 19th Street.	Replace 6" line on Meyer	$397,500
5	C	108724	Mesa Consolidated WD	3010004	7	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on 19th from Placentia to Harbor.	Replace 12" line on 19th street.	$1,200,000
5	C	108724	Mesa Consolidated WD	3010004	5	WW standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on 18th street between Placentia and Anaheim.	Replace 8" line on 18th Street.	$520,000
5	C	108724	Mesa Consolidated WD	3010004	4	Ww standard defects. A well is producing water with color units exceeding the standards.	Replace it with a new well producing clear water	$500,000
5	C	108724	Mesa Consolidated WD	3010004	2	WW standard defects. Insufficient ozone generated to adequately treat colored water at Well # 4 per verbal report from AWWA and Electric Power Research Institute (draft not received).	Replace ozone generators and Contractors.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	108724	Mesa Consolidated WD	3010004	1	Water from the lower ground water basin exceeds secondary standards for color and color.WW standard defects.	Construction of a treatment facility which treats this water with ozone and micorfiltration to meet standards.	$16,000,000
5	C	108724	Mesa Consolidated WD	3010004	11	Ww standard defects. For health and safety reasons there are some customers whose water services should not be interrupted.	Installation of bypass meters to those customers who should not have their service interrupted.	$500,000
5	C	108724	Mesa Consolidated WD	3010004	19	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Harbor Blvd between Sunflower and Princeton.	Replace 12" line on Harbor Blvd	$3,180,000
5	C	108724	Mesa Consolidated WD	3010004	8	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on 19th. Street between Placentia and Newport Blvd.	Replace 16" line on Placentia	$1,960,000
5	C	108724	Mesa Consolidated WD	3010004	17	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Avocado and Newport.	Replace the 8" line on Fairview	$80,000
5	C	108724	Mesa Consolidated WD	3010004	15	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Adams and Fair.	Replace 18" line on Fairview	$1,957,500
5	C	108724	Mesa Consolidated WD	3010004	13	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on Fair Drive between Fairview and Newport.	Replacement of the main	$40,000
5	C	108724	Mesa Consolidated WD	3010004	14	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between McCormack and Baker	Replace 12" line on Fairview	$810,000
5	C	108724	Mesa Consolidated WD	3010004	23	Ww standards defects. Dead end line where there is the potential for low chlorine residuals and stagnant water that could result in microbiological contamination.	Construct a 6" tie in line at Pamela and Wilson.	$15,000
5	C	108724	Mesa Consolidated WD	3010004	16	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Merrimac and Wellesley.	Replace 8" line on Fairview.	$90,000
5	C	108724	Mesa Consolidated WD	3010004	18	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Gisler from well #6 to the end of the street.	Replace 4" line on Gisler	$172,500
5	C	108995	Golden State WC - West Orange	3010022	1	Reliability of distribution system disinfection residual.	Study the need to install chloramination facilites.	$85,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	137367	City of Fullerton	3010010	1	Water works standard defect. Production wells have been taken out of service over the years due to water quality concerns. Iron bacteria at well No. 14.	Construct a new well an wellhead facilities (including treatment) in the North end of the City of Fullerton's service area	$2,300,000
5	C	137367	City of Fullerton	3010010	7	WW standard defect. Old and unlined pipelines in need of replacement.	Pipeline replacement	$8,063,750
5	C	137367	City of Fullerton	3010010	8	WW standard defect. Potential water quality problems at the Hillcrest Reservoir (Res No. 1A) due to cracks and the penetration of tree roots.	The City is proposing to demolish the existing Hillcrest Reservoir and construct a new reservoir at the same site.	$7,700,000
5	C	137367	City of Fullerton	3010010	4	Water works standard defect. Low pressure at higher elevations within the City partially due to inability of main pumping plant to effectively distribute water east and west of the plant.	Install two sections of 16-inch water main	$1,060,000
5	C	137367	City of Fullerton	3010010	5	Water works Standard defect.Iron and manganese levels in excess of EPA standards at Coyote well No. 12A	Seal the lower well screens with concrete.	$40,000
5	C	137367	City of Fullerton	3010010	3	Water works standard defect. Old and unlined pipelines are in need of replacement or rehabilitation.	Design and construction of water mains .	$1,075,500
5	C	137367	City of Fullerton	3010010	6	WW standard defect. Low Pressure in Zone 3.	Upgrade booster station at Lower Acacia Reservoir to provide required flow to upper regions of Zone 3. Add additional pump at Reservoir 2B to boost Zone 3 pressure during high demand times. Construct 5000 feet of 16 inch main in Brea Blvd.	$804,000
5	C	137367	City of Fullerton	3010010	2	Waterworks standard defect. Production well was taken out of service several years ago due to iron bacteria.	Abandon this well and construct a new well and wellhead facilities at the same site or nearby.	$1,600,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	3	NORTH AREA OF LANCASTER HAS LOW WATER PRESSURE. THE WEST END OF LANCASTER NEEDS TO BE CONNECTED TO THE EAST END TO IMPROVE WATER PRESSURE.	CONSTRUCT 15,800' OF 36" WATER MAIN	$4,300,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	5	OLD WELLS NEAR AVENUE M AND 7TH STREET WEST MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT 2 NEW 500' WELLS NEAR EXISTING WELLS	$816,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	4	2 WELLS SHUT DOWN DUE TO ARSENIC > MCL	CONSTRUCT A NEW WELL AND BLEND ITS WATER WITH THE SHUT DOWN WELLS INTO A NEW FOREBAY TANK	$400,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	6	OLD WELLS NEAR AVENUE M AND 5TH STREET WEST MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT 3 NEW 500' WELLS NEAR EXISTING WELLS	$1,224,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	10	Well shutdown due to high nitrate contamination	Construct nitrate removal facility	$5,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	5	Well F4A exceeds nitrate MCL	Construct treatment facility	$2,500,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	8	Well F24A at risk for VOC contamination from landfill upstream.	Construct treatment facility	$2,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	7	Well F13A at risk for VOC contamination from landfill upstream.	Construct treatment facility	$2,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	1	Well F25A exceeds nitrate MCL	Construct treatment facility	$2,500,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	2	Single transmission line supplies majority of water to system	Construct additional transmission line with intertie to adjacent utility	$1,250,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	9	Well F26A at risk for VOC contamination from landfill upstream.	Construct treatment facility	$2,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	6	Well F10A and F10B exceed PCE MCL	Construct treatment facility	$2,500,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	3	WELL B4B AND B4C EXCEED THE MCL FOR CARBON TETRACHLORIDE AND MAY BE SUBJECT TO SHUT DOWN DUE TO SUPERFUND CLEANUP.	CONSTRUCT TREATMENT FACILITY USING AIR STRIPPING TECHNOLOGY	$1,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	1	WELLS IN NORTHEASTERN PORTION OF THE SEVICE AREA ARE CONTAMINATED WITH VOCS.	CONSTRUCT PIPELINE TO TRANSPORT AN INTERIM WATER SUPPLY FROM THE WESTERN PORTION TO THE NORTHEASTERN PORTION OF THE COMPANY'S SERVICE AREA.	$1,250,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	2	WELLS IN SOUTHEASTERN PORTION OF THE SEVICE AREA ARE CONTAMINATED WITH VOCS.	CONSTRUCT PIPELINE TO TRANSPORT AN INTERIM WATER SUPPLY FROM THE WESTERN PORTION TO THE SOUTHEASTERN PORTION OF THE COMPANY'S SERVICE AREA.	$850,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	4	WELLS B5A AND B5B EXCEEDS MCLS FOR TRICHLOROETHYLENE AND NITRATE AND MAY BE SUBJECT TO SHUT DOWN DUE TO SUPERFUND CLEANUP.	CONSTRUCT TREATMENT FACILITY USING ION EXCHANGE (FOR NITRATE) AND AIR STRIPPING (FOR TCE) TECHNOLOGIES	$3,500,000
5	C	345556	City of Anaheim	3010001	1	Reliability , shallow wells vulnerable to contamination in upper aquifer.	Abandon the six existing wells that draw from the swallow aquifer and construct six replacement wells that will draw from the deeper aquifers. The project will be completed in phases over a 5 year period .	$1,020,000
5	C	345556	City of Anaheim	3010001	3	Reliability of distribution lines poor due to tuberculation.	Replace or reline the unlined cast iron pipes in phases over a five year period.	$9,600,000
5	C	1256951	San Diego - City of	3710020	8	Existing reservoir is deteriorated and needs to be refurbished and strenghtened to meet current seismic standards.	Replacement of the 10 million gallon concrete reservoir with two 5 million gallon prestressed circular concrete reservoirs.	$6,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	1256951	San Diego - City of	3710020	5	The South SD Reservoir was constructed in 1970. The improvements have been identified in the areas of cicil, structural, and corrosion control to bring the facility up to current seismic standards and comply with the DHS compliance agreement.	Safety, sanitation, appurtenance, exterior and interior surface restoration, cathodic protection, and structural improvements to the 5.2 million gallon tank.	$2,500,000
5	C	2940000	San Diego County Water Authority	3710042	2	Lack of distribution system for supplemental emergency water supplies for the San Diego County Regoin..	A 3.8 mile pipeline and pump station from the Olivenhain Reservoir to the San Diego County Water Authority's second aqueduct	$23,300,000
5	C	2940000	San Diego County Water Authority	3710042	3	Lack of distribution system for supplemental emergency water supplies from the San Vicente Reservoir to the second Aqueduct	Design and construction of a pump station and 12 mile pipeline from San Vicente Reservoir to the second aqueduct.	$146,600,000
5	N	25	CAMP VALCREST	1900620	1	OLD INTAKE PIPES ARE INADEQUATE TO ALLOW PROPER WATER FLOW TO FILL UP THE 125,000 GAL RESERVOIR ON A MONTHLY BASIS.	REPLACE EXISTING 2" WATER INTAKE PIPES (140") WITH NEW 4" LINES TO MAIN WATER TANK.	$21,000
5	N	50	KINGVALE PROPERTY OWNER S WATER SYSTEM	2900508	1	Spring sources have inadequate capacity.	Install a well and storage/pressure system. Involves design and construction.	$50,000
5	N	50	SPCA WS	2702370	2	Continuous chlorination system is needed due to TCR violations.	Install disinfection system.	$10,000
5	N	50	NORTHSHORE S & B, INC	4000652	1	Needs storage capacity to comply with Water Works standards.	Install new large tank (replace 3 each 7,500 gallon tanks with one 100,000 gallon tank)	$35,000
5	N	70	LEAPIN LIZARD RV RANCH	3700001	1	A 2nd source of water in the event the 1st well fails.	Rehabilitate well #2, add new pump, storage tank, transmission line to connect systems	$10,000
5	N	75	ANANDA SECLUSION RETREAT WATER SYSTEM	2901934	1	Single source plus inadequate storage.	Install new tank and tower.	$30,000
5	N	100	CHILI BAR PUT-IN	900202	1	Single well source is inadequate.	Find additional backup source and improve quality of present system. Involves study, design and construction.	$160,000
5	N	100	AETNA SPRINGS RESORT, INC.	2800569	1	25,000 gal tank needs to be repaired or replaced. Chlorination system also needs to be relocated.	Purchase five 5,000 gal tanks. Move chlorination system to location of new tanks to provide more contact time.	$25,000
5	N	150	CAMP ROSS RELLES WATER SYSTEM	2900520	1	Old tanks need replacing and needs second well for reliability.	Build 50,000 gallons of water storage on camp property 200 feet above the living area; plumbing from the well to the tanks and back. Possible new well or well upgrade.	$125,000
5	N	150	VIRGINIA LKS. MUT. WATER CO.	2600510	1	Distribution system not constructed per water works standards. Distribution subject to freezing. Line rusting and deteriorating.	Replace 800 feet of old steel line with PVC burried at appropriate depth.	$10,000
5	N	200	SAN JOSE FAMILY CAMP	5500145	1	SYSTEM LACKS RELIABILITY SINCE IT HAS ONLY ONE WELL. B0TH SOURCE AND STORAGE CAPACITY IS MARGINAL, ESPECIALLY DURING LATE SUMMER.	DEEPEN THE EXISTING WELL BY 200 FEET, REPLACE AGING GALVANIZED LINES TO TANKS, AND ADD A NEW 10,000 GALLON TANK.	$40,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	N	250	DIAMOND ARROW CHRISTIAN CONFERENCE CPGD	2900567	1	Underground storage tank leaks and must be replaced.	Construction of an above ground metal tank.	$95,000
5	N	400	CAMP TAWONGA	5500141	1	NO BACKUP WELL, INADEQUATE STORAGE, NO CHLORINATION, UNEQUAL PRESSURE IN THE SYSTEM.	DRILL A SECOND WELL, ADD A 44,000 GALLON TANK, INSTALL CHLORINATION, LOOP THE SERVICE AREA.	$213,000
5	P	26	VALLEY HOME SCHOOL TEXAS	5000132	1	This funding would help replace all the potable water lines within our classroom building at the Texas Avenue Campus.(Harold Pope School) We have been fighting a lead contamination problem that has forced us to remove all classroom water fountains and sh	We were told that all potable water pipes from the well to all school site outlets, interior and exterior were to be replaced with new up-to-code materials. That means we will have to trench, abandonand replace old exterior pipe from the well to the clas	$60,000
5	P	250	RENAISSANCE HIGH SCHOOL	4400758	1	System is aging and is not adequate for present needs.	Replace two storage tanks and install two submersible well-pump motors. Construct a removable "shell" to surround the submersible well-pump.	$50,000
5	P	595	CURTIS CREEK ELEMENTARY SCHOOL	5500152	1	OLD WELL - INADEQUATE CAPACITY AND PRESSURE	HOOK UP SCHOOL TO PUBLIC WATER SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$250,000
5	P	595	CURTIS CREEK ELEMENTARY SCHOOL	5500152	2	OLD LEAKY DISTRIBUTION SYSTEM	INSTALL NEW WATERLINE REPLACEMENT. OTHER - STUDY, DESIGN AND CONSTRUCTION	$60,000
5	P	790	SALSIPUEDES ELEMENTARY	4400757	1	System is aging and is not adequate for present needs.	Replace storage tank and construct structure to enclose tanks. Construct an enclosure to surround the well-pump. Replace all water lines.	$60,000
5	P	1925	APTOS HIGH SCHOOL	4400750	1		Replace two storage tanks and tank pads. Construct a 450 foot well. Construct an underground "vault" which completely encloses the submersible well-pump apparatus.	$400,000
0	C	0	Santa Clara Valley Water District	4310027	1	System has defects in the filter underdrain system.	Replacement of the filter underdrain system with cast-in-place, monolithic, false floor, air/water nozzle system.	$2,010,000
0	C	0	Metropolitian Dist. of So. Cal.	1910087	3	Reliability. Lake Matthews is in need of a second outlet tower near the shoreline.	Design and construct a new outlet tower near the shoreline.	$165,000,000
0	C	0	COVINA IRRIGATION CO.	1910128	3	RAW WATER DIVERTED FROM THE SAN GABRIEL DAM THROUGH AN ENCLOSED CONDUIT HAND DUG IN EARLY 1800's THAT NEEDS REPAIRS	DETERMINE COURSE OF ACTION (ie. ENCASE OR REROUTE CONDUIT; DESIGN AND CONSTRUCT)	$5,000,000
0	C	0	COVINA IRRIGATION CO.	1910128	4	RAW WATER SUPPLY IS CURRENTLY CONVEYED THROUGH APPROX. 3 MILES OF OPEN DITCH, HAND DUG AND CEMENTED OVER 100 YEARS AGO THAT NEEDS REPAIRS.	REROUTE FLOW THROUGH AN ENCLOSED GRAVITY PIPELINE	$3,000,000
0	C	0	CALLEGUAS MUNICIPAL WATER DIST	5610050	4	No air gap between raw and treated water.	Install one 60" valve.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	0	COVINA IRRIGATION CO.	1910128	5	ONE WELL IS CONTAMINATED WITH HIGH LEVELS OF NITRATES.	BUILD A NITRATE TREATMENT AND BRINE DISPOSAL FACILITY TO TREAT MORE THAN ONE WELL AT THE FACILITY	$4,000,000
0	C	0	Santa Clara Valley Water District	4310027	8	Existing Air/Vacuum Relief Valves (ARVs)throughout the distribution system are located below grade. The ARVs are in need of replacement due to old age and can cause disruption in treated water delivery.	Each below-grade ARV on the Treated Water Pipelines will be equipped with a vent attached to the ARV that will extend one foot above flood levels. Project will also include seismic bracing of the ARVs and replacment of old isolation valves.	$21,066,000
0	C	0	West End Consolidated Water Company	3610086	1	An upgraded iner-tie is needed with SBCsA 70 zone L system due to susecptible MTBE contamination	Replumb pumping lines from wells to booster station, install new reservoir and control valve at booster station	$275,000
0	C	0	COVINA IRRIGATION CO.	1910128	1	APPROX. 1 MILE OF 24" PIPELINE THAT WAS SLIPPED LINE WITH AN 18" TO 20" LINE HAVE LEAKS THAR ARE HARD TO LOCATE.	REPLACE ENTIRE SECTION ALONG THE PUBLIC RIGHT OF WAY	$800,000
0	C	25	Rio Mesa Mutual Water Company	1503482	1		Drill a second well.	$200,000
0	C	25	Russian River Mutual Water Co.	4900665	1	Upgrade transmission, treatment and storage.	Replace transmission lines, increase storage, and install treatment.	$75,000
0	C	25	CLARK STREET COMMUNITY WELL	1502056	1	Clark Street Community Well Water System has only one well and that well is hard rock well. Therefore, the water system is unreliable.	As part of this project, Clark Street Community Well Water System will either drill a new well or develop intertie with Erskine Creek Water Company	$500,000
0	C	25	SWEET WATER CO-OP	1500591	1	The water system has only one well. another source of supply is needed.	An intertie wit Inyokern CSD or drill a second well is needed.	$500,000
0	C	25	Golden Hill Mobile Home and RV Park	2210904	1	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
0	C	25	CHOCTAW VALLEY MUTUAL WATER CO.	1500599	1	The water system has only one well. A second source of supply is needed	Drill a second well	$200,000
0	C	27	DIXIE WATER COMPANY	1502649	1	Dixie Water Company has a single well as its source of supply, therefore lacks required system reliability.	Consolidate with Indian Wells Valley WD.	$800,000
0	C	27	WILCOX WATER SYSTEM	1502666	1	Wilcox Water System has only well. Therefore, the water system is unreliable.	As part of this project, the Wilcox Water System will either drill a second well or develop intertie with Inyokern CSD.	$500,000
0	C	29	HOMETOWN WATER ASSOCIATION	1500564	1	With only one well as a source of water supply, this public water system is deemed to have unreliable water supply.	Funds are needed to drill a second well or consolidate with nearby water system. The goal of the project is to ensure served people of a reliable domestic water supply.	$200,000
0	C	30	CHRISTOPHER SIMS RENTALS	5800852	1	This community PWS currently has only one source of water - a groundwater well. Due to the current drought conditions in California, the need for another source may be imminent.	This project would include the construction and development of a new production well. The pump, panel and pipelines would also be installed after completion of the new well.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	30	MIRASOL COMPANY WATER SYSTEM	1500152	1	Mirasol Water Company has only one well.	Drill a second well.	$200,000
0	C	30	V.R. S Trailer Park	1500511	1	With only one well as a source of water supply, this public water system is deemed to have unreliable source capacity.	FUNDS NEEDED TO CONSOLIDATE THIS SMALL SYSTEM WITH THE CITY OF BAKERSFIELD DISTRIBUTION SYSTEM. THE GOAL IS TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000
0	C	31	NORTHWOODS MUTUAL WATER SYSTEM	400003	2	18,000 gallon in ground reservoir needs a new roof.	Construct a new roof over 18,000 gallon in ground reservoir.	$10,000
0	C	32	ORCHARD LN WS #02	2700669	1	System needs new well.	Need to drill new well.	$40,000
0	C	32	Yosemite Ridge Resort	2210917	1	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
0	C	32	SOUTH DESERT MUTUAL WATER COMPANY	1502619	2	The source has only one well. A second source of supply is needed.	Drill a second well or intertie with Inyokern CSD	$500,000
0	C	35	LINDA FALLS TERRACE MUTUAL	2800527	1	32 year old 34,000 gallon cement tank has leakage problem and needs to be replaced.	Replace tank with new tank.	$10,000
0	C	35	SOUTH KERN MUTUAL WATER COMPANY	1500344	2	The water system has only one well. A second well or an intertie with City of Bakersfield is needed	Drill a second well or intertie with the City of Bakersfield	$1,300,000
0	C	35	HILLVIEW ACRES MUTUAL WATER COMPANY	1500448	1	Hillview Acres MWC has one hard rock active well. Therefore the water system is not reliable.	As part of the project, Hillview Acres will drill a second well to increase system reliability.	$200,000
0	C	35	TERRA DE ORO WATER COMPANY	4000749	3	Terra De Oro Water Company infrastructure was completed in 1985. The storage system consists of one bolted steel tank with a capacity of 44,000 gallons. Over the past 28 years the interior of the tank has severely corroded creating several problems. Fir	Install auxillary 12,000 gallon plastic water tank. - Tank will be set on a concrete base - Tank will be the same height - 16 feet - as the existing 44,000 gallon metal tank - Water input and output connections will be made as follows: -- Well water u	$150,000
0	C	35	LINDA FALLS TERRACE MUTUAL	2800527	2	connections have grown from 4 in 1960 to 15 current connections. Immediate attention is needed to replace water main. Pipe is only 1-2 feet deep and vulnerable to breakage.	Install new mainline complying to Napa County Code and Water Works Standards.	$200,000
0	C	35	GARDEN APARTMENTS	1000413	1	Single well, if it fails, system is out of water	drill a new well or interconnection	$200,000
0	C	35	FEATHER RIVER MANOR	5800851	1	This community PWS currently has only one source of water - a groundwater well. Due to the current drought conditions in California, the need for another water source may be imminent.	This project would include the construction and development of a new production well. The pump, panel and pipelines would also be installed after completion of the new well.	$250,000
0	C	38	COUTURE FARMS	1600007	1	This small community system is served by a single source (one well). This application is for a back-up well to insure adequate water.	To drill a new well to serve as a back-up. Wells in this area are typically over 1000 feet deep.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	39	TRACT 1199 WATER SYSTEM	1000075	1	System supplied by one well and if it goes out due to drought, the systme would be out of water.	Drill a new well or inconnection if possible.	$200,000
0	C	40	WATERTEK - E PLANO	5400767	1	The unincorporated Tulare County community of East Plano is served with potable water by Watertek. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced throughout the State of Cal	The community of East Plano currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. The prop	$1,000,000
0	C	40	OWENS PEAK SOUTH	1502659	1	The water system has only one well. A second source of supply is needed.	An intertie with Inyokern CSD or drill a second well is needed.	$500,000
0	C	40	KRANENBURG WATER SYSTEM	1500560	1	only one well as a source of water supply, this public water system is deemed to have unreliable water supply.	Funds are needed to drill a second well or consolidate with Vaughn Water Company, a nearby water system. The goal of the project is to ensure served people of a reliable domestic water supply.	$500,000
0	C	40	RANCHO SECO INC. WATER SYSTEM	1500327	2	Rancho Seco Water System has only well. As such the water system is not reliable.	As part of this project, Rancho Seco will drill a second well to increase reliability of the water system.	$200,000
0	C	40	DEL SOL WATER CO-OP	1502597	1	The three storage tanks are old, have running rust, and have developed leaks.	Replace the old storage tanks w/ new polyvinyl tanks.	$10,000
0	C	40	GREGG WATER CO	3400130	4	The CWS does not have a redundant source. Intertie and/consolidation are not viable options because those system have similar problems and are non-community water systems	Drill a new well and install associated piping and pumps.	$20,000
0	C	40	THE VILLAGE	2000573	1	Population served by this community water system are retired and on a fixed income. The water system consists of 2 wells with only one well in active status and a storage tank with a 60,000 gallons capacity. The storage tank is used for both fire flow req	Consultation with Engineers and Pump contractors to trouble shoot electrical and mechanical issues with the pump or they may have to drill a new well.	$75,000
0	C	40	FRONTIER TRAIL HOMEOWNERS ASSOC, INC.	1500398	1	Due to low pressure distribution our system is in need of upgrading. Our "Gravity Feed" system requires 3 additional 8500 gallon storage tanks to complete our system, its loop and feed to unaddressed "will-serve" locations	3 addtional 8,500 gallon storage tanks placed into our existing system will generate increased pressure for residential use and provide for mitigation for our will-serve members. The additional tanks will allow FTHA to create a looped distribution system.	$55,000
0	C	40	MOUNTAIN VILLAGE HOMEOWNER S	400090	1	Existing underground water storage tanks nearly 20 years old. They are beginning to fail as evidenced by leaks, roots and moss.	Construction of a new 20,000 gallon water storage system using polyethylene tanks.	$18,000
0	C	40	GEORGE COX WATER SYSTEM	1000407	1	Single well, if it fails, the system is out of water	Drill a new well or interconnection	$200,000
0	C	40	ELM COURT	1000277	1	Single well system, if it fails the system is out of water.	Drill a new well or interconnection if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	40	DEL SOL WATER CO-OP	1502597	2	Del Sol Water Coop has a single well that produces water that contains uranium at a level exceeding the primary MCL.	Construct a pipeline Inyokern CSD. If that is not feasible, consolidate with another small water system. If that is not feasible, provide treatment or construct another well.	$1,000,000
0	C	43	AGAPE MUTUAL WATER SYSTEM	1500543	1	With only one well as a source of water supply, this public water system is deemed to have unreliable source capacity.	FUNDS NEEDED TO DRILL A SECOND WELL OR CONSOLIDATE WITH NEARBY WATER SYSTEM. THE GOAL IS TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000
0	C	44	TUNNEL TRAILER PARK	3400192	1	Add an additional source to the existing single well. Also make improvement to the exsiting well to meet the waterworks standards.	Drill a second well on the property. Bringing the exsiting well to at least 18" above grade and provide security to the well head.	$25,000
0	C	45	CORRAL DE TIERRA ESTATES WC	2700536	4	System needs an emergency back-up booster pump.	Install above.	$10,000
0	C	45	CORRAL DE TIERRA ESTATES WC	2700536	2	Distribution system valves will not close completely.	Repair or replace inoperable valves throughout the system.	$10,000
0	C	45	Sunrise Shore Mutual Water Company	1700536	3	Existing distribution system is Military surplus thin walled steel pipe installed in 1958. Pipe was laid in ground with rocks, gravel and earth. No sand was used.During recent years we are having more problelms with the main line as the pipe is burstin	We have to replace about 4,000 ft of water distribution system. Need to replace our 3 main with minimum 4 we also need to install Fire Hydrants to provide better community fire protecdtion. An additional 10,000 gal storage tank must be added for addion	$250,000
0	C	45	RIVERVIEW HOMEOWNERS ASSOCIATION	1502750	1	Riverview Homeowners Association Water System has only one Well. Therefore, the water system is unreliable.	As part of this project, Riverview Homeowners Assoc. will either drill a second well or develop an intertie with Oildale MWC.	$500,000
0	C	48	REBEL RIDGE VILLAGE	5800850	1	This community PWS currently has only one source of water - a groundwater well in a fractured rock aquifer. Due to the current drought conditions in California, the need for another water source may be imminent.	This project would include the construction and development of a new production well. The pump, panel and pipelines would also be installed after completino of the new well.	$250,000
0	C	48	PARADISE RD WS #21	2701633	1	System facilities (back-up well, main lines, treatment system) need improvement/replacement.	Recoat tank, repair back-up well, and install water treatment system.	$10,000
0	C	48	GOLDEN KEY APARTMENTS	5400600	1	Shortage of water due to drought in State	New Well and storand and/or consolidation with larger pws	$500,000
0	C	48	POND MUTUAL WATER COMPANY	1502620	1	Pond Mutual Water Company has only well. Therefore, the water system is unreliable.	As part of the project, Pond MWC will either drill a second well or develop intertie with City of Wasco.	$1,000,000
0	C	48	MD#28 RIPPERDAN SELF HELP	2000553	1	Single source water system serving a low income community and no storage capacity. In times of drought conditions, vulnerable to water outages and inadequate fire suppression capabilities.	Drill a new well to serve as a back up (emergency) source.	$100,000
0	C	48	GOLDEN KEY APARTMENTS	5400600	2	Add source, distribution and storage to this PWS	New well or consolidation with larger PWS	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	50	HEATH BRIMHALL P.O.A.	1502629	1	Heath Brimhall POA has a single source of supply, therefore does not have required system reliability.	Consolidate with Vaughn WC or develop an emergency intertie with Vaughn WC.	$500,000
0	C	50	BOY S RANCH	3400182	2		Construct a new 150 gpm well and chlorine treatment system. Involves design and construction.	$200,000
0	C	50	COLORADO MUTUAL	1900801	2	This water system has inadequate storage to provide fire protection and drinking water to shareholders. There is less than 14,000 gal of storage, which does not provide the regulation for fire flow necessary to provide protection.This system has periods	It will be necessary to subdivide and purchase a portion of adjacent land to accomodate the larger tank. We propose to purchase a 90,000 gal. tank which will have a charge for erection by a contracting company.The new tank will need monitoring devices, p	$448,200
0	C	50	SCHWEIKART WATER SYSTEM	1502545	2	Water system has a single well as its sole source of water, therefore lacks required system reliability.	Consolidate with Vaughn Water Company. If that is not feasible, construct a second well.	$1,000,000
0	C	50	OPAL FRY AND SON	1500216	1	Community Water System with one well for water supply is deemed unreliable.	A second well will be drilled to increase reliability of the water supply.	$200,000
0	C	50	Aborn Heights Water Mutual Association	4300792	1	Insufficient water storage and water pressure. Need new chlorine system.	Replace existing water tank. Pressurize entire system. Upgrade chlorine injection system.	$150,000
0	C	50	Lake Forest Utility Company, Inc.	3110032	2	Small distribution lines that provide inadequate pressure and flow.	Replace undersized lines with 6" and 8" lines. Involves design and construction.	$500,000
0	C	50	MORNING SKY SCHOOL	3301947	2	Unable to isolate storage tanks for service without compromising fire flow requirements.	Construct new 30,000 gal storage tank & install manifold piping on all tanks to allow isolation of any one tank.	$70,000
0	C	50	BOY S RANCH	3400182	1	Insufficient production from single well to meet demand.	Construct a new 250,000 gallon water storage tank. Involves design and construction.	$250,000
0	C	51	MAHER RD WS #05	2700638	1	Current tank needs replaced. Need additional storage capacity & other system upgrades.	Install additional storage tanks.	$30,000
0	C	51	SHORTY S PLACE	1000410	1	Single well, if it fails, the system is out of water	Drill a new well or interconection	$200,000
0	C	55	MILTON ROAD WATER COMPANY	2801080	1	Deteriorating water mains.	Redesign, trench and lay new pipeline, laterals and valves.	$30,000
0	C	57	TIERRA VISTA MWC	2701959	1	Wells and storage system are aging and have been failing.	Drill a new well, and replace storage tanks and delivery system.	$80,000
0	C	59	MANNING GARDENS CONVALESCENT	1000324	1	Single well, if it fails, system is out of water.	Drill a new well or interconnection	$200,000
0	C	60	LINNS COURT MUTUAL WATER	1502162	1	The Water System has only one hardrock well. Another source of supply is needed	Drill a second well.	$200,000
0	C	60	OWENS PEAK WEST	1502608	1	The water system has only one well. A second source of supply is needed.	An intertie with Inyokern CSD or drill a second well is needed.	$500,000
0	C	60	WEGIS WATER SYSTEM	1502600	2	Wegis Water System has a single well as its source of water, therefore lacks required water system reliability.	Consolidate with Vaughn WC or develop an emerency intertie with Vaughn WC.	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	60	Aspendell Mutual Water Company	1400066	1	Aspendell is a mountain community at 8,500 foot elevation surrounded by National Forest which is considered a high threat area for wildfires. the project is a water line on White Pine Street which is a one inch line serving three customers. the water pr	The project is our number one priority. It will involve trenching to at least four feet in depth due to sub-zero temperatures for a distance of 600 feet, then laying four inch PVC pipe from an existing valve to the end of the line and the new fire hydran	$16,700
0	C	60	WEGIS WATER SYSTEM	1502600	1	Inadequate distrabution system for fire protection, inadequate storage capacity, failing storage tankage, need redundant distribution pumps and problems w/ dead leg in system	Replace failing tankage w/larger storage tanks, install second distribution pump + associated piping, install new distribution piping + fire hydrant, eliminate dead leg. Other - Study/Design/Construction	$90,000
0	C	60	SIERRA MEADOWS	1502564	2	Sierra Meadows Water System has only well. Therefore, the water system is unreliable.	As part of this project, Sierra Meadows will either drill a second well or develop intertie with the neighbotring CWS-Kernville Water System.	$500,000
0	C	60	MORAGA HEIGHTS MUTUAL WATER	707585	1	Aging and deterioating mains, inadequate capacity.	Replace system, expand filtration and develop further resources.	$75,000
0	C	60	WATERTEK-METROPOLITAN	1000057	4	Water system supplied by one well, if the well goes out due to drought conditions the system will be out of water.	Drill a new well or interconnect to system if possible.	$200,000
0	C	60	FAIRWAY DOWNS MUTUAL WATER CO	5800572	3	This community PWS currently has only one source of water - a groundwater well. Due to the current drought conditions in California, the need for another source of water may be imminent.	This project would include the construction and development of a new production well. The pump, panel and pipelines would also be installed after completion of the new well.	$250,000
0	C	60	Darwin Community Services District	1400098	6	Darwin CSD is a small desert community. Our current water storage tank is insufficient for our community's needs. Replacement with a larger sized tank or refurbishing our old existing storage tank and adding a second storage tank would greatly increase	The proposed project will replace the current old (55,000 gallon) storage facility or repair the current storage tank and add an additional storage tank of equal capacity, which will increase the capacity to restore us to the proper storage capability for	$350,500
0	C	60	Darwin Community Services District	1400098	5	Darwin CSD serves a small desert community. Our water transmission line from the water spring source is 8 miles from town. The portion of the transmission pipeline that this pre-application refers to is approximately a mile and a half long with 2 inch,	This project would entail replacing approximately a mile and a half of the transmission line that is currently 2 inch, 160 psi, industrial pvc pipe with 3 inchHDPE pipe and its attendant hardware (shut-off valves, pressure valves, flush valves, and meter	$475,000
0	C	60	Sonoma County CSA 41-Freestone	4900549	1	The old and structurally failing finished water res. is at risk of contamination from storm runoff.	Replace the old 50,000 gal tank with new steel or redwood 50,000 gal tank.	$80,000
0	C	68	ST. CLAIR RANCHOS MUTUAL WATER CO.	1500507	2	The water system has only one well. A second well or an intertie with the City of Bakersfield is needed.	An intertie with the City of Bakersfiled or drill a second well.	$500,000
0	C	69	GARLEN COURT WS	2700686	3	Existing water mains are very old and need to be replaced.	Replace existing distribution lines.	$50,000
0	C	69	GARLEN COURT WS	2700686	1	Roof of water tank does not provide adequate protection from elements and debris.	Design and construct a new roof and make other necessary repairs to the tank.	$15,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	70	TEJON RANCH MAIN HEADQUARTERS	1500413	1	With only one well as a source of water supply, this public water system is deemed to have unreliable source capacity.	FUNDS NEEDED TO DRILL A SECOND WELL TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000
0	C	70	TWIN PINES BOYS RANCH	3301690	1	The concrete storage tank is over 30 years old and leaking. Some steel pipe are beyond repair. One new well for back-up supply. (Existing: one 200' deep well with 30,000 gallon concrete storage tank system serves 60 residents with 30 daily staff)	Install a above ground tank and new service lines. Install back-up well.	$90,000
0	C	73	COUNTRYSIDE ESTATES MWC	2702374	1	System needs water meters and protection from vandalism and trespassing.	Install water meters. Build fence around storage tanks.	$10,000
0	C	74	HART FLAT BEAR MUTUAL WATER	1500556	1	With only one well as a source of water supply, this public water system is deemed to have unreliable water supply.	Funds are needed to drill a second well for the water system. The goal of the project is to ensure served people of a reliable domestic water supply.	$200,000
0	C	75	JOHN HOVANNISIAN WATER SYSTEM	2000647	1	The system consist of two hardrock wells serving a low income community of about 20 service connections. Recent reports of water outages were filed through the Madera County Environmental Health dept. due to mechanical issues and low water level.	Consultation with Engineers and contractors to fing best fit solution to wate outages problems of the water system.	$75,000
0	C	75	SHILOH WATER CO.	5400527	1	Possibility of water shortage due to drought in State	Add a water source, well, distribution, and or consolidation to lager pws	$500,000
0	C	75	DEER MEADOW MUTUAL	5401026	2	Add a source of water to the storage and distribution of this water system due to the recent drought in the State	New well or donsolidation with larger PWS	$500,000
0	C	75	WILSONA GARDENS MUTUAL	1900155	3	PRESSURE TANK HAS SETTLED WHICH IS PUTTING STRESS ON THE CONNECTING PIPE AND APPEARS TO HAVE A SEVERE INTERNAL CORROSION PROBLEM. TWO HOUSEHOLDS SUFFER INSUFFICIENT PRESSURE DUE TO SIZE AND CONDITION OF THIS TANK.	UPGRADE TO A NEW 5,000 + GAL. TANK AND UPGRADE BOOSTER PUMP.	$13,000
0	C	75	WILSONA GARDENS MUTUAL	1900155	2	OLD 20,000 GAL. STORAGE TANK IS IN POOR CONDITION, WITH LEAKS AND RUST VISIBLE ON THE EXTERIOR.	SITE PREPARATION, PURCHASE, AND INSTALLATION OF A NEW 20,000 GAL. OR TWO 10,000 GAL. STORAGE TANKS.	$16,000
0	C	75	WILSONA GARDENS MUTUAL	1900155	1	WELL CASING HAS COLLAPSED AND NOT ABLE TO PERFORM MAINTENANCE WORK WHEN NEEDED.	DRILL A NEW WELL	$39,000
0	C	75	DEER MEADOW MUTUAL	5401026	1	Add a source of water to the storage and distribution of this water system due to the recent drought in the State	New Well or consolidation with larger PWS	$500,000
0	C	75	WILLO GLEN MUTUAL WATER COMPANY	3100573	1	Well is low capacity. Needs additional source capacity.	Hook up to available PCWA with main meter. Install individual water meters at each existing connection.	$40,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	75	HIDDEN VIEWS MHP WS	2700606	1	Well #2 tested arsonic levels in June of 2006. The MCL is 10. One test came back 31. In September of 2006 another lab tested .015.Well has been shut down from system since and we rely on Well #1 for the system leaving us without a backup. A new well	project may include drilling new well, and or new distribution system or treatment facility.	$250,000
0	C	75	SIERRA RANCH LTD WATER SYSTEM	2900548	1	Needs second well for reliability.	Install new well and install float-pressure switch for tank.	$10,000
0	C	75	RANCHO MARINA	3400149	1	Water system has only one source. Consolidation or intertie are not feasible options. Another well would need to be drilled.	Drill a new well with associated pumps and piping. Purchase a back up generator to cover power loss.	$20,000
0	C	75	REDWOOD TERRACE MUTUAL	4100510	1	Distribution piping and storage are aged and unreliable.	Replace and upgrade piping, filtration pump capacity and dig another well.	$120,000
0	C	75	PINON HILL WATER COMPANY	1500540	2	Need backup source and storage, upgrade distribution pipe to 4"	Drill new well, add storage and replace undersized pipe with 4" diameter mains.	$220,000
0	C	75	WILSONA GARDENS MUTUAL	1900155	4	EXISTING, 1950'S DISTRIBUTION SYSTEM REQUIRES REHABILITATION. OCCASIONAL POSITIVE COLIFORM RESULTS. REQUIRES CHLORINATION.	DESIGN AND CONSTRUCT A NEW DISTRIBUTION SYSTEM COVERING APPROXIMATELY 163 ACRES.	$50,000
0	C	78	Austin Acres Mutual Water Company	4900620	1	well motor electrical relay is in disrepair		$10,000
0	C	80	Elms Mobile Park	3301247	1	We recently had a proficiency test: result was running at only 25%, low pressure.	Upgrade/replace well pump, build protective structure (steel building), enlarge storage tanks. (System has one well & 5,000 gal corrugated storage tank serving 50 connections. City of Indio has water main in adjacent street for emergency connection if nee	$40,000
0	C	80	CRASS MUTUAL WATER COMPANY	2000530	1	The water system is served by a single source (hard rock) providing water to a low income mountain community. No back up source in case of water outages.	Drill a new well or consolidate with another water system if feasible.	$100,000
0	C	80	SPV WATER CO INC	1907028	1	The system has one groundwater well. The well is near exceeding the Nitrate MCL with a January 2007 indication of 43.5. It also had Total coliform exceedance in August 2004. The system does not have disinfection. Their only other backup well is not curre	Addition of Nitrate treatment and/or drill another well to blend water with. Possible addition of a backup well.Add disinfection equipment to the existing well. Clean the storage tank.	$450,000
0	C	80	UPLANDS OF THE KERN MUTUAL WATER COMPANY	1500593	1	Uplands of the Kern Water System has only one well. Therefore, the water system is unreliable.	As part of this project, Uplands of the Kern will either drill a second well or develop an intertie with Oildale MWC.	$500,000
0	C	80	WILLOW SPRINGS MOBILE HOME PARK	1500542	2	With only one hard rock well as a source of water supply, this public water system is deemed to have unreliable source capacity.	FUNDS NEEDED TO DRILL A SECOND WELL FOR THIS WATER SYSTEM. THE GOAL IS TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	85	Meadow Estates Mutual	2300506	1	Insufficient Storage, failing storage tank, failing distribution system, insufficient filtration capacity	Install 100,000 gallon tank, replace distribution system with approved pipe, double filtration capacity.	$350,000
0	C	85	TULARCITOS MWC	2701800	1	Inadequate well production.	Drill second well adjacent to our #1 well. Also, put in new pump and motor.	$35,000
0	C	90	SHADY LAKE WATER ASSOCIATION	2900511	4	Water security improvements needed.	The Water Associations concern is to maintain uninterrupted water supply to it's members in the case of fire or any other power outages. The project would entail constructing a 10 ft. by 10 ft. outbuilding made of concrete blocking to house and protect th	$35,000
0	C	90	MESA DEL TORO MWC	2701503	1	Storage tank is in need of repairs or replacement. New lines should also be put in and (possibly) a new well.	Replace storage tanks and water lines. Install a chlorination system.	$10,000
0	C	90	Lake View Mutual Water Co.	2300606	3	We currently have four operating wells that produce a total of 33 gpm. One of these wells, the Lightel Well, reverts to its owner in August 2007. Currently with all four wells pumping at full capacity we can marginally keep up with peak summer demand, de	The McKee Well will undergo a major rehabilitation. This will include: 1. dismantling the current surface seal and surroundng structures 2. removal and replacement of the sanitary seal 3. scrubbing and disinfection of the casing 4. flushi	$25,500
0	C	90	SIERRA VILLAGE MOBILE HOME PARK	5500353	3	only one approved source	only one approved source	$100,000
0	C	90	SHADY LAKE WATER ASSOCIATION	2900511	2	single source system; source reliability	The system is presently dependent on a well site that is over 25 years old, and it services 30 lots in the area. In May of 2007 there was a water usage disruption due to the local water table falling below the depth of the pumps extention. It was necessar	$15,000
0	C	90	SHADY LAKE WATER ASSOCIATION	2900511	5	The system now in place is soley dependent on one line that distributes the water from the well site into the storage tanks. This same line also distributes the water from the storage tanks out to a junction that feeds into the members individual lines to	The project will entail contracting the services of a license equipment operator for all necessary excavation and installation of the waterline. A trench will need to be constructed to place and house the water line, along with a sand bed for it to lay in	$12,000
0	C	90	ASPEN GROVE MH & RV PARK	3400140	1	Provide reduntant source to single source water system	Intertie with large public water system with required piping and backflow prevention device or drill another well with assoicated plumping, pumps and piping.	$10,000
0	C	90	SHADY LAKE WATER ASSOCIATION	2900511	3	The system is presently over 25 years old and never has had shut-off valves installed. To have these installed would insure that any repairs could be more quickly and efficiently carried out. Also these valves would be used to shut off the water usage to	This system is presently over 25 years old and never has had shut-off valves installed. To have these installed would insure that any repairs could be more quickly and efficiently carried out. Also these valves would be used to shut off the water usage to	$12,000
0	C	95	TICO MUTUAL WATER CO	5601122	2	Two wells, Wells 1 & 2 (backup) do not have disinfection facilities.	Provide chlorination treatment facilities for both wells.	$15,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	95	WEST TEHACHAPI MUTUAL	1500340	1	Public water system with only one well as a source of water supply. The system is deemed to have unreliable source capacity.	FUNDS NEEDED TO DRILL A SECOND WELL OR CONSOLIDATE WITH NEARBY WATER SYSTEM. THE GOAL IS TO ENSURE SERVED PEOPLE OF A RELIABLE DOMESTIC WATER SUPPLY.	$200,000
0	C	95	TICO MUTUAL WATER CO	5601122	3	Well pipeline replacement	Install a new well supply line	$50,000
0	C	95	TICO MUTUAL WATER CO	5601122	1	System pressure does not comply with Water Works standards at times.	Add a pressurized 8,000 gallon storage facility to the system immediately downstream of the current main tank.	$35,000
0	C	96	C.C.W.D. Sheep Ranch	510004	2	Inadequate storage and undersized distribution mains that are in poor condition.	Install two 50,000 gallon steel tanks and 10,700 feet of distribution mains.	$700,000
0	C	98	CORRAL HOLLOW PWS	3900702	1	PRESSURE PROBLEMS IN DISTRIBUTION SYSTEM	CONSTRUCT PRESSURE TANK AND BOOSTER STATION. OTHER = DESIGN AND CONSTRUCITON	$300,000
0	C	99	LILI VALLEY WATER CO.	500027	1	Water line installed in 1963 needs replacing.	Replace 2000 feet of water main.	$40,000
0	C	100	OAKVALE PARK	3700962	2	Distribution system has no isolation valves, making it difficult for management and inconvinient for residents when repairs are needed.	Installing islation valves in distribution system.	$10,000
0	C	100	COUNTRY CLUB COUNTY WD	2400128	2	System 2400128 is approximately twenty five years old. The rural system uses two 500 gal. bladder/tank to store and maintain pressure. The bladder/tanks are in need of replacement due to bladder leakage. Because of leakage, the risk to meeting monthly	1. Replace two 500 gallon tank/bladders to include re-plumbing with appropriate maintenance access valves for each. 2. Install a back up generator system. 3. Replace well pump with sized variable speed frequency drive pump4. Rewire existing electrical p	$55,000
0	C	100	WEST VALLEY MUTUAL WATER COMPANY	1500550	2	With only one well as a source of water supply, this public water system is deemed to have unreliable water supply.	Funds are needed to drill a second well or consolidate with nearby water system. The goal of the project is to ensure served people of a reliable domestic water supply.	$200,000
0	C	100	COUNTRY CLUB COUNTY WD	2400128	1	Water system lacks adequate water supply because it has only one well as its total water source. System does not have any storage capacity. Loss of this well or pump will result in loss of all water to the entire system until correction is made.Title 22§6	Locate and purchase property for new well site. Design well construction, wellhead features, connection to existing distribution system, and wellhead protection/security. Drill test well. Conduct test well monitoring. Construct well, wellhead. Purchase an	$600,000
0	C	100	WILLOWSIDE TERRACE WATER ASSOCIATION	3701995	1	low water pressure from 2-inch lines	install 4 to 6 inch lines and new pump	$250,000
0	C	100	GUATAY MUTUAL BENEFIT CORPORATION	3700897	1	poor water quality from dead end lines	loop water system to eliminate deadend lines	$173,000
0	C	100	SA#14 CHUK CHANSE SUBDIVISION	2000724	2	The water system is served by a single source providing water to a low income community in the Valley. Storage capacity is about 20,000 gallons. The system is chlorinating as a preventive measure.	Drill a second well as a back up source and/or consolidate with another water system.	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	100	OAKVALE PARK	3700962	3	Old steel water line serving 7 houses on Oakvale Rd. is of too small diameter and is in Jeopardy of leaking that will damage county rd.	Installing larger water line of approved material to better serve residents and avoid damage to paved county rd.	$20,000
0	C	100	EL MONTE VILLAGE M.H.P.	5400523	2	Add a source of water to the storage and distribution of this water system duie to the recent drought in the Stae	New well or consolidation with larger pws	$500,000
0	C	100	OAKVALE PARK	3700962	1	20,000 gal. Concrete storage tank has several small leaks due to root entrusion. SD County Health Dept. has ordered us to repair.	Installing a drinking water approved vinyl liner in tank.	$10,000
0	C	100	EL MONTE VILLAGE M.H.P.	5400523	1	Add a source of water to the storage and distribution of this water system due to the recent drought in the State	Neww Well or consolidation with larger pws	$500,000
0	C	100	SHERWOOD FOREST MHP	1000247	1	System supplied by one well. If it goes out due to drought system is out of water.	Drill a new well or interconnect if possible.	$200,000
0	C	100	SPINDRIFT MARINA	3400169	1	The CWS has only one source. The project would be to develop a new source.	Consolidation or entertie are not viable options for the water system. The water needs to drill a new well for a redunant source. Also the purchase of a generator as back-up power for both the source and the treatment facility.	$20,000
0	C	100	SANDY CREEK VILLAGE MHP	1000260	2	Single well system, if the well fails, the system is out of water	Drill a new well or interconnection if possible.	$200,000
0	C	100	RIVER HIGHLANDS COM.SERV.DIST	5800820	3	This community PWS has experienced water outages during the last two summers. The water sources are unreliable in the summer months and are not adequate to serve this system during the drought conditions now being experienced in California.	This project would include the construction and development of new production wells. The pumps, panels and pipelines would also be installed after completion of the new wells.	$500,000
0	C	100	Magic Mountain Mutual Water Company	4900637	1	Aged distribution system and storage tanks	Replace mainlines and new tanks	$650,000
0	C	100	Harding Water Users	3000515	1	Poor reliability of existing reservoir and piping, rusted.	REPLACE TANK AND PIPES . TANK IS LEAKING.	$15,032
0	C	100	Arrowhead Cooperative Company	4300504	2	System is over 38 years old. Now only have 1 tank. Mains are fragile. Need to replace and give system to San Jose Water Company.	Install new (distribution system) mains from San Jose Water Company and abandon current system.	$1,200,000
0	C	100	TUT BROTHERS FARM #96	1500516	1	The water system has only one well. A second source of supply is needed.	Drill a second well.	$200,000
0	C	100	COUNTRY VIEW ALZHEIMER CENTER	1000430	2	Single well, if it fails, the system will be out of water	Drill a new well or interconnection	$200,000
0	C	100	MARTINS BEACH WATER SYSTEM	4100515	1	Need to upgrade	Modernize the existing purification system.	$50,000
0	C	100	CAMDEN TRAILER PARK	1000238	1	System supplied by one well. If it goes out due to drought the system will be out of water.	Drill a new well or interconnect if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	100	Arrowhead Cooperative Company	4300504	1	Replace mains and consolidate.	Run new 10-inch mains from SJWC to all streets. Abandon existing system. The study and design has already been done by SJWC.	$1,642,632
0	C	100	OASIS PARK MOBILE HOME PARK	1900677	1	OLD PIPES	REPLACE OLD GALVANIZED PIPES WITH PLASTIC PIPES	$60,000
0	C	103	Elk County Water District	2300514	1	Undersized steel water main in poor physical condition.	Replace distribution system with new mains.	$650,000
0	C	104	Mecchi Water Company	4300912	1	System is served with a 2" water main that is inadequate.	Replace 2" main to 4" main. Install meters to all users.	$80,000
0	C	106	Irish Beach Water District	2310012	1	Storage tanks in poor physical condition; distribution system mains in poor physical condition.	Repair, patch, and repaint water storage tanks. Professional inspection of water system facilities to produce a water system master plan.	$150,000
0	C	108	LOMA MAR MUTUAL	4100512	5	Mains inadequate not in compliance with WW Standards.	Install and construct new system piping	$400,000
0	C	108	LOMA MAR MUTUAL	4100512	4	Inadequate storage not in compliance with WW Standards.	Enlarge system storage and reserve.	$100,000
0	C	108	MOUNTAIN VIEW DUPLEXES	5400604	1	Possible shortage of water due to statewide drought	New well and distribution system, and or consolidation to lagrer pws	$500,000
0	C	110	CASCADEL MUTUAL WATER SYSTEM	2000509	2	The project proposes install monitoring equipment and automatic controls at all storage and pumping facilities. Currently only the primary storage location has monitoring equipment w/ alarms. Pumps are operated manually with the use of timers. Current r	The project would install an automatic control and monitoring system at all groundwater sources and storage locations. Currently there are five water sources and two storage locations. A third storage location is planned.	$20,000
0	C	110	CASCADEL MUTUAL WATER SYSTEM	2000509	3	The project proposes to replace three, leaking 15,000 gallon storage tanks with a new storge tank. The existing tanks were inspected in 2007 and found to be deficient. These tanks tanks hold approximately 1/3 of the system's storage. Additionally, the	The project would entail removing three existing 15,000 gallon tanks and constructing 100,000 gallons of storage. All costs of deconstruction, site prep, construction, controls and engineering are included. Access would be unchanged.	$250,000
0	C	110	RODRIQUEZ LABOR CAMP	5400735	3	The residents of Rodriguez Labor Camp, in unincorporated Tulare County, are served with potable water by the camp's owners. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced th	Rodriguez Labor Camp currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. The proposed pr	$1,000,000
0	C	115	CENTRAL MUTUAL WATER CO.	5400655	1	Add a source of water to the storage and distribution of this water system due to the recent drought in the State	New well and distribution and or consolidation with larger PWS	$500,000
0	C	116	SUNNYSIDE CONVALESCENT HOSP	1000366	1	Single well, if it fails, system is out of water.	Drill new well or interconnection if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	120	AERIAL ACRES WATER SYSTEM	1500405	2	Current transite lines running from Ave. A to Ave. B and along the length of Ave. B need to be replaced due to leaky seals caused by age and root penetration and overall depreciation of system lines, replace old valves and lateral lines to fire hydrants	Install from Ave. A to Ave. B (~675 ft.) & along length of Ave. B (~2625 ft.) of 6-inch, class 150, C-900 pipe with tracer wire to replace existing transite lines (~3,300 ft. total), installation of 6-inch & 4-inch gate valves along Ave. B, 4-inch pipe	$50,000
0	C	120	AUBURN VALLEY COMMUNITY SERVICE DIS	3100011	3	The gravity feed lines and control valves were installed in the mid 1970s. In 2004 when resolving water impurity problems at Auburn Valley CSD, we were unable to shut down the system using three key valves due to their leakage which was so high tha	With regards to the valve replacements, it is critical that these valves be replaced. At this time, if there is contamination somewhere in the water system it is impossible to shut down specific areas of the subdivision and repair any problems. Ins	$155,179
0	C	120	KINGS PARK APARTMENTS	1000295	2	Single well system, if it fails, the system is out of water.	Drill a new well or interconnection if possible.	$200,000
0	C	122	MUSICK MEADOWS #1	1000060	2	Supplied by single well that if it goes out due to drought would be out of water.	Drill a new well or construct an intertie with another system if possible.	$200,000
0	C	125	Lake Canyon Mutual Water Company	4300522	5	Currently approximately 50% of the community is served by an inaequate water main (2" line) which drastically decreases water pressure and is below Cal Fire requirements!With the recent fires in the Santa Cruz Mountains residents and the Board of the Lake	Major Project Phases:* Planning* Permitting* Engineering* Excavation* Removal of old line* Installation of new 6" lineScope:* Affects ~ 2 miles pipe (~ 30 homes or ~ 80 residents)Timeline: Expect from planning to installation to take 18 months	$400,000
0	C	125	Lake Canyon Mutual Water Company	4300522	2	More than half the main distribution lines are aging and need to be replaced.	Replace distribution lines.	$94,000
0	C	125	ALPINE OAKS LLC	3701988	1	Water outages caused by insufficient source and storage.	Construct additional well and 20,000 gallon storage tank.	$100,000
0	C	125	AQUA J MUTUAL WATER COMPANY	1900936	2	Aqua-J-Mutual Water Company is a 55 year old company. Since the early 50's "Aqua-J" has delivered a quality product to the members within the District. We are a small rural community and the service has been uninterrupted. Over the years we have upgrad	Aqua-J-Mutual Water Company will construct and integrate a parellel and alternate drinking water system into the existing physical plant while upgrading and augmenting the electrical panel and pressure delivery system.The primary focus of "Project Endeavo	$903,350
0	C	126	PRINCES CAMP RESORT WS	2701355	1	Need new pipelines, pump, and more water pressure.	Replace pipes and pump.	$28,673
0	C	130	SHADY LAKES MOBILE HOME PARK	1000244	1	System supplied by single well, if it goes dry the system will be out of water.	Drill a new well or interconnect if possible	$200,000
0	C	135	Kelly Mutual Water Company	4900560	1	50 year old distribution system (2.5 inch) with failing water mains.	Replace distribution mains, hydrants, pressure tanks.	$200,000
0	C	135	EAST VALLEY FARMS MUTUAL WATER	4200800	1	The EVFMWC system is currently unable to comply with mandatory CDPH requirements for adequate backflow prevention and water supply. In addition, the system lacks adequate design redundancy for periods of power outage and adequate contingency planning for	In order to address the deficiencies within the EVFMWC system, a prioritized capital improvement program was prepared for the Company in 2007. The proposed projects are ranked in order of priority, with the highest priority project listed first, as follo	$475,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	145	CHINA LAKE ACRES MUTUAL WATER COMPANY	1500563	1	With only one well as a source of water supply, this public water system is deemed to have unreliable water supply.	Funds are needed to drill a second well or consolidate with nearby water system. The goal of the project is to ensure served people of a reliable domestic water supply.	$200,000
0	C	146	METTLER COUNTY WATER DISTRICT	1500401	3	Mettler is a disadvantaged community located several miles from other community water systems. Their only well is about 14 years old and was drilled to replace two water wells that were contaminated with Nitrates (238 & 98 ppm) from local septic systems.	Design and construction of a test well/community well with a pump and water lines to connect to the community water system. The well site will be on land donated by the Water District. This will provide an alternate water supply to the community when th	$600,000
0	C	148	49ER TRAILER RANCH	5500120	1	only one approved source	only one approved source	$100,000
0	C	150	MD#40 SUNSET RIDGE ESTATES	2000851	2	System wells Exceed secondary MCLs for iron at 300 ppb and Manganese at 50 ppb. Current iron level is 690 ppb and current manganese level is 160.33 ppb. The system does not have adequate production system wells are not able to keep up with water demand.	Install iron and manganese removal plant. Replace current distribution system and storage tank. Drill high production well.	$1,200,000
0	C	150	VOLTA COMMUNITY SD	2400201	2	Water system lacks adequate water supply because it has only one well as its total water source. System does not have any storage capacity. Loss of this well or pump will result in loss of all water to the entire system until correction is made.Title 22§6	Locate and purchase property for new well site. Design well construction, wellhead features, connection to existing distribution system, and wellhead protection/security. Drill test well. Conduct test well monitoring. Construct well, wellhead. Purchase an	$600,000
0	C	150	LLANAS CAMP FOUR WATER SYSTEM	1502164	1	The water system has only one well. A second source of supply is needed.	Drill a second well or an intertie with the city of Shafter is needed.	$500,000
0	C	150	ACAMPO WATER SYSTEM	3901303	1	WELL 1 HAS DBCP BELOW THE MCL. HOWEVER, WELL 2, THEIR STAND-BY WELL HAS DBCP GREATER THAN THE MCL.	REPLACE WELL 2 WITH NEW WELL. OTHER = DESIGN AND CONSTRUCTION	$450,000
0	C	150	Austin Creek Mutual (Springhill)	4900630	1	pump motor electrical relay in disrepair		$10,000
0	C	150	Aberdeen Resort	1400020	2	The community of Aberdeen currently has a water storage capacity of merely 5,000 gallons. The community can deplete this water in less than 15 minutes. This is with a minimum amount of people within the community. The community if at full capacity of peop	The community of Aberdeen currently has a water storage capacity of merely 5,000 gallons. The community can deplete this water in less than 15 minutes. This is with a minimum amount of people within the community. The community if at full capacity of peop	$400,000
0	C	150	Delta Conservation Camp	4810801	1	Water storage tank.	Need new storage tank.	$45,000
0	C	158	Rubys Valley Care Home	1000200	1	System suppled by one well. If it goes out due to drought the system would be out of water.	Drill a new well or interconnect if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	160	Rocky Comfort MWC	3600209	1	Rocky Comfort MWC has been receiving its domestic water supply directly from the City of Redlands since 1924. The MWC has one metered connection with the City and is billed monthly for water use in accordance with the 1924 Agreement. The Agreement limit	The MWC recently contracted with an engineering firm to investigate alternatives for ensuring continuous adequate pressure. Three system improvements were evaluated. One alternative was based on the storage needs to allow for the simultaneous irrigatio	$143,000
0	C	166	STRUVE RD WS #02	2700772	1	Insufficient water storage capacity.	Build storage tanks and take measures for well head protection. These projects would involve study, design, and construction.	$50,000
0	C	168	ANGLERS SUBDIVISION 4	707569	1	Inadequate mains, low pressure not in compliance with WW Standards.	Install 3" - 4" lines throughout entire system. To each lot/hook-up.	$560,000
0	C	170	CENTRAL WATER CO.	5400682	1	A portion of the unincorporated Tulare County community of Plainview is served with potable water by Central Water Company. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced th	This portion of the community of Plainview currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic w	$1,000,000
0	C	170	Harbin Hot Springs	1700511	1	Old pipes in poor condition and inadequate storage	Replace old galvanized pipe and install new 100,000 gallon storage tank.	$300,000
0	C	175	FCSA #34/BRIGHTON CREST	1000484	1	County Services Area (CSA) No. 34 encompasses the Millerton New Town Plan Area. It is located on the north and south side of Millerton Road approximately 1.5 miles east of the unincorporated community of Friant. Raw water is drawn from Millerton Lake by	Within this context, staff, in consultation with engineering consultant, is recommending that the overall situation be address in two phases. Phase I could be implemented immediately to address most of the problems caused by a draining pipeline and provi	$400,000
0	C	180	WILLIAMS MUTUAL WATER CO.	5400718	2	A portion of the unincorporated Tulare County community of Cotton Center is served with potable water by Williams Mutual Water Company. The water system is supplied with water by one groundwater well. In light of the current drought conditions being exp	A portion of the community of Cotton Center currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic	$1,000,000
0	C	186	COUNTY SERVICE AREA 7	4100509	5	Most of the distribution system water pipelines in CSA-7 are old, poorly installed, and undersized based on current water industry standards - Title 22 of the California Code of Regulations. Pipe materials include galvanized steel, cast iron, ductile iron	A master plan for the water system was prepared in 1998 to identify water system needs and capital improvement projects. This project includes implementation of a majority of the recommendations of the master plan to improve the water distribution system	$1,000,000
0	C	186	COUNTY SERVICE AREA 7	4100509	3	Replace deteriorated piping	Lay new piping (3") along Pescadero Creek Road to Alpine Creek Bridge.	$100,000
0	C	190	Paradise Mobile Estates	3600399	1	The well shut off twice a day (reason?). They concerned about water quality (gross alpha : 8.2 + 2.9, but not known uranium Ra 226, Ra 228 levels)	Possibly new well & pump & filtration system	$300,000
0	C	190	Green Mountain Water Company	4300560	5	repair or replace piping in distribution system	repair or replace piping in distribution system	$800,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	190	Green Mountain Water Company	4300560	1	Develop new well.	Drill a second well.	$19,000
0	C	190	GRIER MUTUAL WATER CO.	5400728	1	Possibility of water shortage and storage for this community water system	New well, storage, and distribution system and or consolidation to larger pws.	$500,000
0	C	195	WOODSIDE MUTUAL	4100546	1	Distribution piping and storage are aged and unreliable.	Replace existing pipes and provide more storage for fire protection	$3,000,000
0	C	200	LEMON COVE WATER CO	5400616	4	The unincorporated Tulare County community of Lemon Cove is served with potable water by Lemon Cove Sanitary District. The water system is supplied with water by one groundwater well, which has nitrate contamination in excess of the nitrate MCL of 45 ppm	The community of Lemon Cove currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. The prop	$1,000,000
0	C	200	A & A MHP	5400504	2	Add a source of water to the storage and distribution of this water system due to the recent drought in the State.	New well or consolidation with larger PWS (Porterville)	$50,000
0	C	200	LEISURE PINES MUTUAL WATER CO	5500053	2	Need additional storage capacity.	Install a new storage tank and pump station.	$50,000
0	C	200	LEISURE PINES MUTUAL WATER CO	5500053	3	Need more storage capacity, especially for fire protection.	Install additional storage and pumping facilities.	$87,000
0	C	200	WOODEN SHOE VISALIA LLC	5400963	1	Wooden Shoe is a mobile home park that is served with potable water by the facility owners. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced throughout the State of California,	Wooden Shoe mobile home park currently obtains its potable water supply from one groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. The proposed proj	$1,000,000
0	C	200	ALLEN ROAD MUTUAL WATER SYSTEM	1500483	1	LOW LEVEL OF WATER. NEED ADDITIONAL SOURCE CAPACITY FOR RELIABLITY	DRILL NEW WELL. OTHER - STUDY, DESIGN, CONSTRUCTION AND OTHER	$100,000
0	C	200	Yulupa Mutual Water Company	4900660	1	Insufficient storage	Construct two tanks: 96,000 and 65,000-gallon tanks.	$400,000
0	C	200	CROWN RANCH PUMPING COMPANY	3301878	1	We have one old water storage tank and no way to shut down system to clean it. Also, storage capacity is not adequate.	Install a new tank.	$40,000
0	C	200	Sierra Grande Estates Mutual Water Co.	1400070	4	Insufficient storage capacity due to deteriorated storage tanks	Replacement of 4 of 15,000-gal tanks with 1 of 100,000-gal tank	$125,000
0	C	200	ALLEN ROAD MUTUAL WATER SYSTEM	1500483	2	the Water System has only one well. A second source of supply is needed.	Intertie with CWS- Bakersfield or drill a second well is needed	$500,000
0	C	202	PARADISE RANCH MHP c/o SANTIAGO ASSOC.	1910099	4	RESERVOIR TANK (STORAGE FOR WELL SOURCES) IS DETERIORATING.	REPLACE 107,000 GAL. TANK.	$35,000
0	C	211	FERN GROVE WATER CLUB	4400572	1	(1) Two-inch main line is aging and needs to be replaced. (2) Need a second source of water (a well).	(1) Replace one and a half miles of main line. (2) Drill a second well.	$500,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	220	Sonoma County CSA 41-Salmon Creek	4900543	2	Marginal quantity of water supply.	Improvements of the subsurface diversion.	$10,000
0	C	243	PAINTED CAVE MUTUAL WATER	4200578	1	The current water distribution system has suffered from several bacterial outbreacks over the past decade. The two 40 year tanks are suspected. Don't have necessary storage capacity per population.	Build a 150,000 gallon tank	$130,000
0	C	250	ENOS LANE PUBLIC UTILITY DISTRICT	1500544	2	Dead end water lines	Loop system	$300,000
0	C	250	Twin Valley, Inc.	4300575	2	Recurring TCR MCL violations. Rerank to M from F (9/17/01)	Install new tank & piping.	$150,000
0	C	250	BALLICO COMMUNITY SERV. DIST.	2400167	1	Water system lacks adequate water supply because it has only one well as its total water source. System does not have any storage capacity. Loss of this well or pump will result in loss of all water to the entire system until correction is made.Title 22§6	Locate and purchase property for new well site. Design well construction, wellhead features, connection to existing distribution system, and wellhead protection/security. Drill test well. Conduct test well monitoring. Construct well, wellhead. Purchase an	$600,000
0	C	252	CSA No. 31 Stonegate WS	3500006	1	Interior coatings on the system's two storage tanks are failing and need to be restored.	Re-coat tanks.	$100,000
0	C	268	Tres Pinos CWD	3500509	2	The waterworks improvement project will supply fire flow to a community that currently does not have adequate fire flow; it will lift the moratorium on new connections which has been in effect for over 10 years. It also includes pipeline improvements whi	The waterworks improvement project includes two new 250,000 gallon water tanks, land purchase for tank site, new 800 gpm well, 12 pipelines: (Southside to Quien Sabe along Bolado; Third St., F to Airline; First St., F to Airline; Airline to Fifth St, dow	$1,666,350
0	C	270	FARMINGTON WATER COMPANY	3900505	2	The Farmington Water Company was formed and installed its system 43 years ago. With the exception of an upgrade to one pumpling plant and the addition of one line the system remains as it was installed. It suffers both from physical deteriourat	The proposed upgrades would include two new well sites and pumping plants, approximately 6,000 of main lines primarily 8, 1,000 feet of lateral lines, water storage for a 24 hour supply at peak use (this could be one large tank or two smaller tank	$1,500,000
0	C	273	PEDRAZZI MWC	2701364	1	Water system needs to add a new well to improve supply reliability.	Drill a new well and tie it into the existing system.	$561,050
0	C	276	BUTANO CANYON MUTUAL	4100503	1	Antiquated distribution system consisting of undersized, corroded galvanized iron pipes. Problems include excessive headloss, leakage,	Intallation of distribution systtem consisting of HDPE pipes	$450,000
0	C	276	BUTANO CANYON MUTUAL	4100503	3	After completeing a tank inspection and cleaning, it has been determined that our two (2ea) sixty thousand (60,000) gallon bolt-up drinking water storage tanks are in need of replacement due to old age, deterioration and interior rust.Tanks are located i	Project involves the purchase and delivery of two (2) new glass-fused-to-steel 60,000 gallon replacement tanks which will have to be down loaded from a 40ft flatbed to a smaller truck for delivery over 3 miles of a very narrow, winding road through a redw	$200,000
0	C	300	MOREHEAD PARK	3900805	1	Old system with leaking distribution, well at end of useful life.	Replace distribution system, drill new well, and add storage tank.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	300	SHADOW ACRES MUTUAL WATER CO	1900301	1	9 DEAD-ENDS RESULTING IN LOW PRESSURES AT THE HIGHER ELEVATION AREA	TIE THE DEAD-ENDS TOGETHER AND LOOP OUR ENTIRE DISTRIBUTION SYSTEM	$280,000
0	C	300	HOPE FOUNDATION/MORIAH HEIGHTS	300062	1	NEED AUTOMATIC SHUT-OFF ON LINE THAT FILLS TANK. NEED FE & MN REMOVAL. NEED BACK-UP WELL.	INSTALL AUTOMATIC SHUT-OFF ON TANK FILL LINE. INSTALL FE & MN REMOVAL SYSTEM. DRILL BACK-UP WELL.	$80,000
0	C	300	MEADOW LAKES CLUB	1000056	1	Water system currently has only 1 operating well for 132 connections. Distribution system is old.	Additional source and upgrade distribution system.	$2,500,000
0	C	300	Mt. Pleasant Water Users Association	4300563	1	Old surplus pipe from the 40's and 50's is in use to supply water users. This pipe was never intended to be used for as many years as it has. Breaks are becoming more frequent and more difficult to repair as it is extremely brittle. A large break could re	A water distribution line made up of war surplus pipe is in need of immediate replacement under approximately 1 mile of roadway. The pipe is rusting and has become very brittle. A major break in this line could drain the first level of storage tanks and l	$250,000
0	C	300	Mt. Pleasant Water Users Association	4300563	2	First level storage tanks are not strapped down. In the event of a serious earthquake, the tanks could move enough to break incoming and outgoing connections or even tip over and roll downhill.	(2) first level storage tanks are potentially able to move off their foundations in an earthquake of sufficient magnitude. These tanks could also topple over and roll downhill through homes below them.An engineering study needs to be conducted first to de	$250,000
0	C	300	Talmont Resort Improvement District	3110047	1	Old, single source well - diminshing GPM. Upper pressure system in deteriorating.	Need new well. Install pressure tank and pressure pumps.	$150,000
0	C	300	SHADOW ACRES MUTUAL WATER CO	1900301	2	WATER PRESSURE FLUCTUATES EXCESSIVELY (UP TO 0.5 NOMINAL) IN THE SUMMER DUE TO DEMANDS ON BOTH THE WATER WHOLSALER'S SYSTEM AND OUR USER DEMANDS.	INSTALL A BOOSTER SYSTEM NEAR THE WHOLESALER'S WATER TURNOUT.	$130,000
0	C	300	WOODWARD BLUFFS MHP	1000298	1	Single well system, if it fails, the system is out of water.	Drill a new well or interconnection	$200,000
0	C	315	Mill Creek MSC	3600166	1	Our water company does not currently comply with Sections 64565 and 64628 of California Code of Regulations requiring current standards for water storage capacity and water main distribution lines.We have a 42,000 gallon steel-bolted water storage tank w	Our project entails the purchase and installation of an additional water storage tank, to bring our water company into compliance with CCR Section 64565, and a 4-inch water distribution main line, to comply with CCR Section 64628.We have a quote of $86,75	$105,000
0	C	325	Desert Springs MWC	3600089	4	Pipes laid 55 yrs ago. They are sending every cent they get to keep pipeline up	Replace with C-900 Class 200	$450,000
0	C	340	Palomino Lakes Mutual Water Co.	4900570	3	Tank #2, a thirty year old, 15,000 gallon redwood tank, is of insufficient capacity and is nearing the end of its useful life. This tank serves forty-five residential connections and is unable to support peak daily demand without repeated refilling durin	Replace the existing 15,000 gallon redwood tank with a 25,000 gallon steel tank. Preliminary geo-technical work has been completed and shows the site suitable for the increased capacity. The redwood tank will be replaced with temporary storage (a tank o	$45,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	340	Palomino Lakes Mutual Water Co.	4900570	2	Tank #1a, a thirty year old, 15,000 gallon redwood tank, is nearing the end of its useful life. The surface of the tank is checked and deteriorated from weather damage and exposure. The tank has leaks and seepage which contribute to algae growth on, and	Remove the existing 15,000 gallon redwood tank and replace its capacity by adding to an existing adjacent 15,000 gallon bolt-together steel tank. The project involves the removal of the roof of the steel tank and adding an eight foot section to the tank.	$15,000
0	C	350	VILLA DEL MONTE MWC	4400595	1	Distribution lines need to be replaced - interruptions in service are increasing.	Replace distribution system.	$490,256
0	C	350	WATERTEK - GRANDVIEW GARDENS	5400666	2	The unincorporated Tulare County neighborhood of Grandview Gardens is served with potable water by Watertek. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced throughout the St	The neighborhood of Grandview Gardens currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water.	$1,000,000
0	C	350	WESTLAKE VILLAGE M H P	5400966	1	Emergency funding due to drought related problems, storage, distribution and consolidation to larger pws.	New Well, Tank, Storage, distribution, and or consolidation to larger pws	$500,000
0	C	350	MANANA WOODS MUTUAL WATER CO	4400539	1	Pipes are aging and decaying.	Replace lines, and install shut-off valves, meters, and purification filters.	$50,000
0	C	355	FILLMORE IRRIGATION CO	5601105	1	Water storage capacity (125,000 gallons) does not meet title 22, water works standards requirements or the system size (150 service connections)	Construct a new tank (125,000 gallons) at site that includes soil compaction, pad, erect new tank with earthquake anchors and signal devices for well pump.	$90,000
0	C	355	FILLMORE IRRIGATION CO	5601105	2	Slab around Well No. 2 drilled in 1946 is carcked and area at well head is lower than surrounding area (citrus orchard)	Elevate casing head, pour new slab-realign discharge pipe-eliniate possibility of surface contamination	$25,000
0	C	360	MI-WUK HEIGHTS MWC	5500060	1	Need more water storage for system demand and fire flow.	Construct a new 200,000 gallon storage tank.	$200,000
0	C	375	MD#73 QUARTZ MOUNTAIN	2000690	1	System wells are high in iron the secondary MCL is 300 ppb system is currently at 2790 ppb. System is also exceeding secondary MCL for manganese MCL is 50 ppb and system is currently at 225 ppb. System is also exceeding secondary MCLs for color and turbi	Install iron and manganese removal plant. Drill new high production well.	$1,500,000
0	C	380	PLEASANTIMES MUTUAL WATER CO	707576	1	Replace existing small size water main pipe that causes low pressure with a lager size one.	Install 4" minimum lines to replace 2" low pressure lines, 10,000 L.F.	$550,000
0	C	400	PALO VERDE COUNTY WATER DIST.	1300616	2	four dead-end transmission lines	connect the dead-end lines	$1,000,000
0	C	400	SEVILLE WATER CO	5400550	4	The Seville Water System is supplied by one water well and needs another water source. The well is undersized and unable to meet the needs of the community. This past year the well has been sampled twice. The first sample was taken on 11/01/07. The res	The proposed project will be to drill a water test well which will determine if a sufficient quality of potable water can be found in the community. If the test well is successful, a production well would be drilled and equipped with a pump, hypochlorinat	$1,200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	400	SEVILLE WATER CO	5400550	3	The unincorporated Tulare County community of Seville is served with potable water by Seville Water Co. The water system is supplied with water by one groundwater well. In light of the current drought conditions being experienced throughout the State of	The community of Seville currently obtains its potable water supply from one community groundwater well. If this well were to fail due to dropping groundwater levels or other emergencies, the community would have no source of domestic water. The propose	$1,000,000
0	C	405	SUNNYSIDE FARMS MUTUAL	1900146	1	SYSTEM HAS A 500,000 GALLON WATER TANK THAT THE BOTTOM RUSTED THROUGH AND DOES NOT HOLD WATER.	REPLACE TANK BOTTOM.	$30,000
0	C	405	SUNNYSIDE FARMS MUTUAL	1900146	2	WELL IS CURRENTLY UNDERPRODUCING.	DRILL NEW WELL.	$15,000
0	C	450	PURESOURCE WATER, INC	4400598	3	Failing 60,000-gallon water tank resulting in inadequate storage. Tank is beyond repair.	Replace tank with new 60,000-gallon steel tank.	$32,000
0	C	465	Point Arena Water Works	2310013	4	Install new staves in the two 125,000-gallon storage tanks to stop the loss of water.	Install new staves in the two 125,000-gallon storage tanks to stop the loss of water from the tanks due to the condition of the old staves.	$40,000
0	C	500	CIRCLE WATER DISTRICT	2800521	1	50,000 gal storage tank is leaking badly and is located on fill material in landslide prone area.	Cut into bedrock material and replace tank with 70,000 to 100,000 gal tank.	$300,000
0	C	500	Broadview Terrace Mutual Water Company	2000521	4	We have small (1 1/2 and 2) galvanized mains that are so corroded that water pressure drops to near zero in sections when several users are drawing water at the same time. Pressure less than 20 psi occurs frequently. These are mostly single family	Approx 10,000 of 2 galvanized main will be abandoned and the same length 6 c-900 will be laid in the same easement or road right-of-way. Trenching will be labor intensive due to many granite outcropings and the roots of huge trees near but outside th	$500,000
0	C	500	CLOVERDALE MUTUAL WATER Co.	5610068	2	20,000 gallon storage tank is in eminent danger of complete failure.	Upgrade or replace tank, upgrade well pump.Install control systems.Design, specify & construct so wells can pump directly to the pressurized tank	$267,000
0	C	500	CLOVERDALE MUTUAL WATER Co.	5610068	3	20,000 gallon tank is in emminent danger of complete failure. Doesn't meet county fire requirements for protection or DHS Water Works Standards.	Replace tank with 100,000 gallon tank.	$110,000
0	C	500	BROCK MUTUAL WATER COMPANY	1500409	1	Brock Mutual Water Company's well produces water with nitrate above the MCL of 45 mg/L. The Water Company is in violation of the nitrate MCL.	This is for an emergency intertie project. Vaughn Water Company's pipeline is less than 1,000 feet from Brock Mutual WC. As part of the project new distrbution system, meters, and service lines will be installed.NOTE: This record was added by CDPH (Ma	$65,000
0	C	500	CROWS LANDING COMM SVC DISTRICT	5000005	2	The existing land uses in the Crows Landing community consist of residential, commercial, and industrial developments, in addition to a public school. The Community of Crows Landing currently receives its potable water supply from two groundwater wells.	The proposed project consists of installations of 14,900 linear feet of eight (8) inch PVC pipe and 3000 linear feet of twelve (12) inch PVC pipe plus 4600 linear feet of sixteen inch PVC. This will include 66 eight-inch gate valves and 30 twelve-inch but	$2,276,000
0	C	500	PINEWOOD MEADOWS MHP	5000090	1	SYSTEM OF SMALL PIPELINES RESULTS IN LOW PRESSURES.	UPGRADE DISTRIBUTION PIPING. OTHER = DESIGN AND CONSTRUCTION	$40,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	500	Sonoma County Water Agency	4910020	10	Sonoma County Water AgencyWater Transmission System Air/Vacuum Relief Valve Replacement Project DescriptionSafe Drinking Water State Revolving Fund LoanThe objective of the Water Transmission System Air/Vacuum Relief Valve Replacement Project (Project) is	Sonoma County Water AgencyWater Transmission System Air/Vacuum Relief Valve Replacement Project DescriptionSafe Drinking Water State Revolving Fund LoanThe objective of the Water Transmission System Air/Vacuum Relief Valve Replacement Project (Project) is	$3,230,000
0	C	500	Napa County Public Works-NBRID	2810013	2	Aged transmission main needs to be replacement. Inadequate Storage	Replace transmission line, install new storage tank	$291,000
0	C	500	Deer Park Nudist Resort/Buff Creek	3600308	1	Bacteriological problems with source	Construct new well and tank	$50,000
0	C	500	LOG CABIN RANCH	4100531	1	Need emergency power capabilities.	Installation of emergency generator, valves, piping, watert storage tanks and cleaning of emergency water source.	$500,000
0	C	510	STARLITE PINES MUTUAL WATER CO INC	4500195	5	Our current water system has two wells and the Number 1 well has been ouronly source until this Spring and we recently put the Number 2 well into use. We have put 4 (5000) gallon storage tanks on the well #2 but it needs at least two additional storage t	The project will require six concrete pads for the storage tanks. Six (6) five thousand Gallon Storage TanksPlumbing materials for connecting the new tanks to the current systemsWinterizing materials for plumbingLaborThere will be not destruction of any	$70,000
0	C	530	Smiley Park Country Club	3600260	2	Smiley Park Country Club is a private community in the San Bernardino Mountains near Running Springs. This is a community of 165 building sites (125 currently have water connections) in an area of 265 acres. Smiley Park maintains a private water system	We have proposed in a separate application to conduct a Hydrology Study to identify appropriate sites of groundwater in which to drill a new vertical well. This proposal is a request to drill one vertical well. We expect a qualified drilling contractor	$35,000
0	C	530	WEST VALLEY COUNTY WATER DISTRICT	1909006	1	This system has 2 wells. Well 3 is active and yields adequate water to supply current normal system demand. Well 1 is inactive and unavailable due to Arsenic MCL exceedance. Well 1 is also more than 40 years old and does not provide adequate, safe reliabl	We propose 3 alternatives for construction of a new water source that meets the Arsenic MCL, and provides reliable water to meet system demand. The project will be based on most cost effective solution and best engineering practices. All project alternati	$550,000
0	C	530	Smiley Park Country Club	3600260	1		In order to properly plan for additional wells to meet both our current and future needs, we first need to conduct a Hydrology Study by a qualified engineer/geologist. This study will investigate potential groundwater sources and recommend the optimal lo	$35,000
0	C	550	BUENA VISTA WC	2701870	1	System needs more water storage and standby generators.	Install six 50,000 gallon tanks, pumps, six standby generators, and pumphouses for three separate storage & booster facilities.	$525,000
0	C	550	WEST SIDE PARK MUTUAL	1900102	6	This water distribution system does not meet current waterworks standards. The system does not have any backflow preventers. The Distribution pipelines and sole source wells are in close proximity to animal waste storage areas, corrals and other animal en	We propose to purchase and install backflow preventers at each service connection. We need this to protect our drinking water from potential contamination from agricultural and animal enclosures, corrals, and animal waste within close proximity of the wat	$80,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	550	WEST SIDE PARK MUTUAL	1900102	2	Need backup power to assure fire flow during blackouts.	Purchase 300 KW Diesel standby generator.	$85,000
0	C	550	WEST SIDE PARK MUTUAL	1900102	1	LOW PRESSURE IN SYSTEM AND INADEQUATE STORAGE CAPACITY	CONSTRUCTION OF A NEW 500,000 GALLON TANK TO INCREASE STORAGE AND AN ENLARGED PUMPING STATION.	$250,000
0	C	550	WEST SIDE PARK MUTUAL	1900102	4	The distribution system is dilapidated and failing. The system has many water leaks resulting in excessive water losses. The instability of the pipelines, valves, service connections, and meters is negatively impacting our water delivery capability.We do	The system proposes to perform a water audit; hire leak detection services; and replace leaking portions of the distribution system including meters, valves, service connections, and pipelines as required to prevent further water losses. Water from Palmda	$200,000
0	C	555	CARMEL RIVIERA MWC	2701254	1	Additional well is needed for system reliability.	Drill one or two new wells with the assistance of a Groundwater Geologist to obtain at least 50 gpm of sustainable yield of good quality ground water.	$250,000
0	C	584	MAR VISTA WATER COMPANY INC	4400502	3	Portions of Trout Gulch Mutual Water Company (TGW) infrastructure date back to the 1930's. Almost all of the mains from these older portions were upgraded per the design of the engineering firm of Washington & Jensen in 1980.One section of water main that	Replace existing 3" main with a 6" or 8" main.Total Project Cost of $72,000 is based on the approximate length of 900' and recent, local, similar, water main replacement costs.	$72,000
0	C	584	MAR VISTA WATER COMPANY INC	4400502	6	Current water storage capacity of this system (120,000 gallons) does not meet the California Water Works Standard. This analysis was based on using average California Residential Customer Consumption, since the former owner of our water system never measu	Install 100,000 gallon tank at the top of Skyward Drive.This would solve 3 problems:Meet California Water Works Standard.Double firefighting capacity.Water pressure via gravity would be adequate for all but 3 residences (currently with private storage tan	$130,000
0	C	600	San Francisco Regional Water System	3810001	3	BD pipeline trestle deteriorated from weather.	Replace trestles above low water where required. Replace walkways and guardrails where required. Raise elevation of support where required.	$6,650,000
0	C	600	San Francisco Regional Water System	3810001	6	BD pipeline timber trestles need seismic upgrade.	Perform study and analysis of existing timer trestles to determine their ability to withstand future earthquakes. Develop alternatives to achieve this goal followed by design and construction of necessary work.	$24,610,000
0	C	600	San Francisco Regional Water System	3810001	43	Need standby power at several facilities.	Evaluate the need and the type of standby power needed at the various facilities.	$2,100,000
0	C	600	San Francisco Regional Water System	3810001	31	Pump stations unreliable due to old equipment.	UPGRADE SWITCH GEAR, ELECTRICAL SYSTEMS, PUMPS AND OTHER ITEMS. ADD NECESSARY AUTOMATION IN FACILITIES TO SUPPORT SCADA.	$4,100,000
0	C	600	San Francisco Regional Water System	3810001	12	Calaveras pipeline subject to slope failures.	MAKE PREPARATION OF PLANS AND SPECIFICATIONS FOLLOWED BY CONSTRUCTION WORK.	$439,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	24	Valves are old and deteriorated at critical locations.	REPAIR AND REPLACE THE DETERIORATED VALVES IN ORDER OF CRITICALITY. ADD NEW VALVES FOR FLEXIBILITY ABD RELIABILITY WHERE DETERMINED.	$470,000
0	C	600	San Francisco Regional Water System	3810001	19	Need second Irvington tunnel for reliability.	PROVIDE PARALLEL TUNNEL THAT WILL UPGRADE SYSTEM TO RELIABILITY TO AN ACCEPTABLE LEVEL. PROVIDE AN ALTERNATIVE FACILITY TO MEET THE SAME.	$152,000,000
0	C	600	San Francisco Regional Water System	3810001	25	Downtown vulnerable to loss at UM system.	PROVIDE A NEW SUNSET FEEDER MAIN. BUILD PRESSURE REDUCING STATION AND MAKE CONNECTIONS TO THE UM SYSTEM MAINS.	$26,000,000
0	C	600	San Francisco Regional Water System	3810001	14	Crystal Springs pipeline deteriorated beyond repair.	Replace three sections of pipeline.	$12,600,000
0	C	600	San Francisco Regional Water System	3810001	10	Alameda siphans cross Calaveras fault.	Review the existing piping design for effectiveness and appropriateness. Produce the plans and specifications including rearranging the connection for SVWTP.	$33,000,000
0	C	600	San Francisco Regional Water System	3810001	36	Prestressed concrete pipe has had major failures.	Slip-line existing pipelines (put a pipe side), where possible, and to replace it where this is not feasible.	$90,200,000
0	C	600	San Francisco Regional Water System	3810001	17	Equipment at stations subject to seismic damage.	SEISMICALLY ANCHOR TANKS, PUMPS, AND PIPING. PROVIDE AUTOMATIC SHUT-OFF VALVES ON CHEMICAL FEED LINES AND OTHER ITEMS.	$3,925,000
0	C	600	San Francisco Regional Water System	3810001	62	Plant needs expansion for reliability and redundancy.	Design and construct expansion of SVWTP to 240 mgd treated water reservoir solids handling facilities and pipelines and pump station expansion.	$14,670,000
0	C	600	San Francisco Regional Water System	3810001	11	Calaveras pipeline subject to creek fluids/bank failure.	Reverse shift in channel by relocation of side cast quarry rock from one side to another, replace natural impedimants to creek flows.	$4,000,000
0	C	600	Snowcrest Hts. Imp. Assoc	3600262	1	Inadequate storage, undersized mainline, insufficient source capacity	Construct source, storage, and distribution facilities	$500,000
0	C	600	San Francisco Regional Water System	3810001	48	Storage tanks need seismic rehabilitation.	Provide seismic anchorage for these water tanks. Provide flexible connections between the tanks, the inlet and outlet piping.	$3,200,000
0	C	600	San Francisco Regional Water System	3810001	37	San Joaquin pipelines lining failing.	Repair and re-line the portion of San Joaquin pipeline between San Joaquin river and Tesla Portal.	$3,000,000
0	C	600	San Francisco Regional Water System	3810001	56	Priest Reservoir Bypass; Local storm runoff elevates turbidity above acceptable levels for SFPUC's filtration avoidance status.	Design a bypass tunnel, so Hetch Hetchy water does not receive local runoff during storm events.	$14,548,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	63		Design and construct expansion of SVWTP to 240 mgd; treated water reservoir; solids handling facilites; and pipelines and pump station expansion.	$265,100,000
0	C	600	San Francisco Regional Water System	3810001	42	Need diesel generators at pump stations.	Plan, design. And install diesel generators and buildings at critical water pumping stations.	$9,040,000
0	C	600	San Francisco Regional Water System	3810001	41	Need emergency connections to Santa Clara Valley Water District.	Build a pump station to pump water either from or to SCVWD.	$7,900,000
0	C	600	San Francisco Regional Water System	3810001	28	Critical valves cannot be accessed in an emergency.	relocate and upgrade the PRVs and other critical valves.	$2,620,000
0	C	600	San Francisco Regional Water System	3810001	40	Reservoir roofs need seismic upgrades.	Investigate areas where flexible connection should be made piping in reservoirs; replace the seals in reservoir roofs where it has been determined to deter contamination of these treated water reservoirs,	$70,400,000
0	C	600	San Francisco Regional Water System	3810001	38	Need fourth SJ pipeline for emergencies.	Add a fourth pipeline to the San Joaquin system.	$250,000
0	C	600	San Francisco Regional Water System	3810001	46	Need valves to isolate UM system in an earthquake.	Determine appropriate locations needing pressure reducing values between the northerly portion of the University Mound distribution system and adjacent higher pressure water supply system.,	$370,000
0	C	620	FRESNO CO WATER WORKS DIST 18	1010051	1	Lack adequate treatment and storage capcity.	Install new filter, modify clearwell, and add new storage tank.	$461,870
0	C	648	El Dorado Mutual Water Co.	1900803	1	50 YEAR OLD WATER STORAGE TANK AND 50 YEAR OLD PRESSURE TANK NEED TO BE REPLACED.	REPLACE BOTH TANKS.	$125,000
0	C	690	YERBA BUENA WATER COMPANY	5610006	3	Need additional fire protection water and 3 days of daily consumption water	Purchase a storage tank site and construct a 250,000 to 300,000 gallon tank.	$650,000
0	C	720	THUNDERBIRD CWD	3600306	1	Inadequate storage capacity	Construct new 200,000 gallon reservoir	$160,000
0	C	720	THUNDERBIRD CWD	3600306	3	No disinfection facilities	Construct disinfection facilities	$50,000
0	C	720	THUNDERBIRD CWD	3600306	2	Undersized transmission line resulting in excessive headloss	Construct new line	$90,000
0	C	750	Tahoe Park Water Company	3110018	2	Inadequate storage for proper operation of distribution system.	Install a storage tank and pipeline. Involves design and construction.	$200,000
0	C	793	GLEN MARTIN MWC	3610016	1	Old storage, distribution system and well	Construct new reservoir, replace mainline, drill new well	$1,000,000
0	C	840	Hillsview Homes	5010007	4	System lacks emergency power for its 2 wells and has no storage for water during power outage.	Purchase and install one 150 KW diesel generator to provide emergency power for wells.	$60,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	855	Jubilee MWC	3600139	2	1. After deconstructing old tank there is not enough storage to disinfect the system properly during prolonged outages. New tank and infrastructure is needed.2. Loss of capacity. After trying to rehabilitate old well it proved unsuccessful at a loss of $2	Install a new 180,000 gallon water tank and a new well, which includes buying the property where the new well is to be located. Install a SCADA montoring system, treatment equipment and distribution infrastructure, (new tank pad, pipes, pump stations).	$1,500,000
0	C	875	Sierra Cedars CSD	1010052	1	LACK OF SUFFICIENT WATER SOURCE CAPACITY AND AN INADEQUATE DISTRIBUTION SYSTEM.	CONSTRUCT A NEW WELL AND UPGRADE THE DISTRIBUTION SYSTEM.	$250,000
0	C	909	LOS ANGELES CWWD 40 Reg. 39-ROCK CREEK	1910025	1	REGION 39 WELL #1 IS NOT A RELIABLE SOURCE.	CONSTRUCT A NEW 500' WELL TO REPLACE EXISTING WELL AND INSTALL 500' OF PIPELINE	$450,000
0	C	926	Squaw Valley Public Service District	3110020	3	Inadequate capacity of water supply facilities and possible contamination.	Construct a groundwater treatment plant.	$5,500,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	3	THE EXISTING BACKBONE PIPELINE SYSTEM THAT SERVES THE DISTRICT IS AGED AND UNDERSIZED AND DOES NOT PROVIDE ADEQUATE FLOWS FOR FIRE PROTECTION.	INSTALLATION OF PIPELINE ALONG KAGEL CANYON RD FROM EXISTING INTERCONNECTION WITH THE CITY OF LA TO PROVIDE ADEQUATE FIRE PROTECTION.	$700,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	16	The existing 2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3800 linear feet of existing 2-inch water main with new 6-inch or 8-inch pipeline	$430,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	17	The existing 0.15 MG and 0.30 MG water reservoirs are very old with corroded tank walls which may affect water quality and public health	Recoat interior of 0.15 MG and 0.30 MG tanks to protect water quality and public health	$170,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	4	THE EXISTING PIPELINE IS AGED, UNDERSIZED (2"), AND DOES NOT PROVIDE ADEQUATE FLOWS FOR DOMESTIC USE AND FIRE DEMAND.	TO INSTALL 2800 +/- LF OF SIX AND EIGHT-INCH PIPELINE WITH SERVICES AND FIRE HYDRANTS	$194,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	1	THE EXISTING 2" WATER MAIN CANNOT PROVIDE ADEQUATE SERVICE TO CUSTOMERS OR FIRE PROTECTION.	REPLACE 2100 FT OF UNDERSIZED 2" WATER MAIN WITH ADEQUATE 6"/8" WATER MAIN.	$148,500
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	14	The existing 2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 2000 linear feet of existing 2-inch water main with new 6-inch or 8-inch pipeline	$200,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	5	THE PIPELINE THAT FEEDS WATER INTO DISTRICT 21'S WEST TANK HAS RUPTURED DUE TO A SLIDE. THIS OCURRED DURING THE 1995 STORMS. THE DISTRICT PRESENTLY DOES NOT HAVE ADEQUATE FIRE PROTECTION.	THE PROJECT CONSISTS OF INSTALLING 1400 LF OF 12-INCH PIPELINE TO THE TANK ALONG ANOTHER ALIGNMENT.	$285,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	15	The existing pipeline that discharges from the District's northerly well is aged, undersized, and in need of replacement	Replace approximately 3000 linear feet of existing 4-inch discharge main	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	6	THE CONNECTIONS TO THESE WATER TANKS ARE VERY RIGID AND SUSCEPTABLE TO RUPTURE DURING AN EARTHQUAKE.	RETROFIT TWO TANKS WITH FLEXIBLE CONNECTIONS AND MOVE OVERFLOW DRAINS TO THE SIDE OF THE TANK FROM THE FLOOR.	$112,500
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	7	THE EXISTING EMERGENCY INTERCONNECTION WITH THE LADWP IS UNDERSIZED AND IN NEED OF UPGRADE. LOW PRODUCTION AND HIGH NITRATE LEVELS IN TWO OF THE WELLS COULD NECESSITATE RELIANCE ON THE LADWP CONNECTION WHICH COULD RESULT IN SEVERE OUTAGES.	UPGRADE EXISITING EMERGENCY CONNECTION WITH LADWP AND EXPAND BOOSTER CAPACITY ACCORDINGLY.	$400,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	9	EXISTING 14" PIPELINE IS UNDERSIZED TO PROVIDE ADEQUATE WATER SUPPLY	INSTALL APPROX. 4,000' OF 24" PIPELINE AND APPURTENANCES	$2,457,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	12	The existing 11/4-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3450 linear feet of existing 11/4-inch water main with new 6-inch or 8-inch pipeline	$390,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	11	The existing 11/2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 4800 linear feet of existing 11/2-inch water main with new 6-inch or 8-inch pipeline	$540,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	10	The District has three wells and one emergency interconnection with the City of Los Angeles Department of Water and Power. The existing emergency connection is undersized and in need of upgrade	Upgrade existing emergency interconnection with the City of Los Angeles and expand booster capacity	$400,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	13	The existing 4-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3800 linear feet of existing 4-inch water main with new 6-inch or 8-inch pipeline	$430,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	2	THE EXISTING 1-1/4" WATER MAIN CANNOT PROVIDE ADEQUATE SERVICE TO CUSTOMERS OR FIRE PROTECTION.	REPLACE 1-1/4" WATER MAIN IN WEST TRAIL WITH ADEQUATE 6"/8" PIPELINE.	$45,000
0	C	1000	GREEN VALLEY CWD	1910244	4	The District has three Pressure Reducing Valves (PRVs) in the system. They are located between pressure zones and were designed to allow water to flow from a higher zone to a lower zone in case of a loss of pressure in the lower zone(s). They have been in	All three valves would be inspected by a trained technician and the pressure reducing pilot replaced and adjusted if necessary and a back pressure pilot installed and adjusted to the proper pressure.	$10,000
0	C	1000	GREEN VALLEY CWD	1910244	1	WW standards defects. Aging distribution system creates the potential for contamination caused by leaks of breaks. Insufficient storage.	Expose, remove and replace old lines; refurbish and modify three pressure reducing valves adding pressure sustaining features and low flow bypass; install additional water storage tanks next to existing tanks …	$201,250

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1060	Plymouth, City of	310004	1	Plymouth's sole water supply consists of groundwater from hard-rock formation wells. These wells are susceptible to contamination from adjacent septic systems and runoff. The wells have tested positive for coliform in 2006. In addition, the three activ	The Plymouth Pipeline project consists of construction of approximately 8.5 miles of transmission main from the Amador Water Agency's Tanner Water Treatment Plant located in Sutter Creek, to Plymouth's water storage tank.The proposed 12" pipe runs through	$1,815,000
0	C	1300	McCloud C.S.D.	4710006	7	The Lower Elk Sprinhouse, McCloud's largest springhouse structure has a number of deficiencies that need correction to address the potential for water contamination to both the Uper and Lower Elk Spring water supply. A 2006 engineering study determined t	Identified improvements from a 2006 engineering report include the need to: Construct missing sections of the interior concrete retaining wall to keep the spring area intact. Uncover the spring inside the building by removing dirt over the existing Frenc	$550,000
0	C	1300	McCloud C.S.D.	4710006	5	McCloud's Lower Elk Spring pipeline was installed sometime between 1927 and 1937 when the community of McCloud was a company-owned town. The approximately 14,000 lineal feet of 14", thin walled steel pipe connects the Lower Elk Springhouse to the Water S	Full replacement of the existing pipeline with ductile iron pipe within the existing footprint is the presumed most cost-effective and environmentally friendly project.	$5,250,000
0	C	1300	McCloud C.S.D.	4710006	6	McCloud's company-owned mill town legacy includes deeded inheritance of approximately 63,000 lineal feet of an antiquated water distribution system installed in the 1940s without benefit of design planning or engineering. The existing helter-skelter pipe	We currently seek assistance to determine the feasibility of phasing replacement in multiple, stand-alone projects, evaluate an approach to environmental study requirements relative to phasing and provide technical assistance in the development of a phase	$35,000
0	C	1300	McCloud C.S.D.	4710006	8	The community of McCloud is blessed with pristine water but currently cursed with an antiquated water supply system installed from our springs and springhouses sometime between 1927 and 1937 when the community was a company-owned town. In a 1998 McCloud W	We seek grant funding assistance to replace this pipeline to mitigate immediate, known hazardous conditions.	$3,500,000
0	C	1385	SAN MIGUELITO MWC	4010003	10	System pressure does not comply with Water Works standards in the upper reaches at times.	Install piping and backwash pump to take water from adjacent tank no. 550 rather than system	$27,000
0	C	1385	SAN MIGUELITO MWC	4010003	12	Distribution system needs adequate maintenance and operation program to prevent Water Works standards failure.	Institute an aggressive leak detection and repair program for entire system.	$10,000
0	C	1385	SAN MIGUELITO MWC	4010003	5	Needs to have adequate distribution system operational facilities to comply with Water Works standards.	Construct a separate, new boost station to take advantage of higher pressure state water.	$20,000
0	C	1385	SAN MIGUELITO MWC	4010003	8	Distribution system needs to have a main replacement program and be in compliance with Water Works standards.	Replace existing steel water mains with PVC C-900 mains.	$80,000
0	C	1400	RIO COSUMNES CORRECTIONAL CENTER	3400229	2	Single well source. Not reliable.	Construct a new 250,000 gallon water storage tank for fire protection and emergency water supply. Involves design and construction.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1400	RIO COSUMNES CORRECTIONAL CENTER	3400229	1		Construct a new 300 gpm well with a treatment plant for Iron, Arsenic and Manganese. Involves design and construction.	$250,000
0	C	1500	Pine Valley Mutual WC	3710039	6	Low pressure in upper elevations of water distribution system.	.5 MG storage tank, pump station, an 8" diameter pipeline at higher than upper elevations.	$1,000,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	1	Undersized transmission main (1and 2-inch) through main business district, causing pressure, delivery and fire suppression capability liabilities.	Highway One Transmission line replacement	$70,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	7	Undersized transmission lines (approx 3,000 - 1 1/2 - 2-inch) . Low pressure and low available capacity. Supply and pressure complaints, fire suppression, limitations, and liability concerns.	Replacement of 3,00 1f undersized transmission mains.	$170,000
0	C	1500	MENLO COLLEGE	4100517	1	Water storage tank upgrade, needs to correct aging system.	Study by professional engineering firm to determine possible solutions is being conducted.	$300,000
0	C	1500	Howell Mountain Mutual Water Company	2810001	1	Clearwell is significantly undersized. Distr. system consists of small dia. steel lines and transite pipe in poor condition. Test data for dams on two lakes indicates that they may fail in a significant seismic event. More raw water storage is needed	Install 1MG tank at plant. Replace distr. system. Bring earthen dams up to standards. Extend the height of Lake Henne dam. Rebuild the supply piping system for the lakes to the treatment plant.	$12,400,000
0	C	1500	MENLO COLLEGE	4100517	2	Mains in poor condition., inadequate not in compliance with WW Standards.	Study by professional engineering firm to determine possible solutions is being conducted.	$300,000
0	C	1500	Pine Valley Mutual WC	3710039	1	Substandard .4 MG water tank with continuing mainenance and up keep/ repair problems.	Replace with welded steel tank which meets current standards.	$175,000
0	C	1500	Pine Valley Mutual WC	3710039	3	Undersized and out of date water mains creating and inadequate service.	Replace with an 8" C-900 water main and services.	$200,000
0	C	1500	DEVORE WC	3610117	4	Refinance existing loan for 1997 projects	Refinance existing loan	$222,695
0	C	1500	DEVORE WC	3610117	1	No aux power on low zone wells, No earthquake valves on reservoirs, Insufficient mainline valves, Soft motor controller needed on Pump#3	Install diesel booster at Devore Rd PRV, Install earthquake valves on reservoirs and 215FWY bridge, add new mainline valves, install soft start on Pump 3	$26,500
0	C	1500	DEVORE WC	3610117	3	Insufficient transmission facilities, pressure too high and too low in some areas	Construct new transmission lines from sources to storage, relocate PRVs	$347,500
0	C	1500	AVERYDALE MWC	1910023	2	Aging well pumps, storage facilities and distribution system. Additional supply needed for fire protection.	Buy 1 acre of land, drill and equip a new well, and construct additional storage.	$325,000
0	C	1500	DEVORE WC	3610117	2	Insufficient storage in upper zone	New 125k reservoir at top of Greenwood Ave, new well	$175,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1650	KINNELOA IRRIGATION DIST.	1910035	8	Back-up supply sources, High and Low-Pressure Tunnels' and Delores Tunnel's delivery pipeline were damaged by firestorm and/or rainstorms in 1993 to 1994 and 1979, respectively. In addition, a small portion of the system is below fire flow std.	Replace the pipeline for the above three tunnels and upgrade the existing distribution system.	$1,204,000
0	C	1760	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	3	Reliability. Deteriorated two (2) - 10,000 gal. pressure tanks over 40 years old are in need of replacement.	Remove the existing pressure tanks and install new ones, lined with NSF approved paint. Project involves: Design to solve problem, and Construction	$70,000
0	C	1760	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	1	Loss of pumping capacity and efficiency of courtside supply well. Can no longer keep up with peak demands and requires a significant portion of 0.5 MG storage to satisfy demands which limits storage for fire flow unless outside secondary sources are	Remove the existing pump bowls and motor, clean and redevelop the well and install higher capacities pump bowls and motor depending on the wells yield. Project involves: Design to solve problem, and Construction	$40,000
0	C	2025	Lower Lake County Water District	1710010	8	Eight miles of old, undersized pipe in poor condition.	Replace with new pipe sized to meet current system demands.	$4,000,000
0	C	2151	LAKE ELIZABETH MUTUAL WATER CO.	1910056	1	WW standards defect. Reliability. Storage facility is needed to the North of the Fault Zone to provide water storage for customers.	Design and construct a water storage tank on the North side of Fault Zone.	$500,000
0	C	2229	Cabazon Water District	3310047	5	The District has a total of approximately 1,050 service connections. Of these, nearly all are located in the three pressure zones located below the Northwest (2156) Pressure Zone, which is the Districts highest pressure zone. However, one-half of the D	The project proposed is simply to add a parallel 16 bore and jacked waterline next to the existing 8 waterline. This will ensure that a sufficient quantity of water can be moved to and from the Northwest Pressure Zone. The total length of the bore and	$907,000
0	C	2229	Cabazon Water District	3310047	4	The District has a total of approximately 1,050 service connections. Of these, nearly 500 are located in its lowest pressure zone (the 1713 or Southeast Pressure Zone). The Southeast Pressure Zone is one of the oldest portions of the Districts system.	In general, the project proposed is to replace all of the old, undersized pipelines that serve the existing homes within the Southeast Pressure Zone in the areas that are essentially built out. In the areas that are not built out, new developers will be	$5,300,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	5	Needs additional storage capacity to meet Water Works standards.	Construct 1.0 MG reservoir and 7,200 LF of 14 inch transmission line	$1,223,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	2	Distribution system needs upgrades to comply with the W.W.S.	Construct 900 LF of 8 inch water line to replace existing 2-inch line on East St.	$54,000
0	C	2307	Elsinore WD - Country Club	3310013	1	Insufficient water supply, since the system currently has one mahor water supply well with pump, providing minimal redundancy and inadequate system reliability.	Design and construct new well with pump and appurtenances to meet the Waterwork Standards, increase system reliability and provide redundancy in source of supply.	$350,000
0	C	2307	Elsinore WD - Country Club	3310013	2	The existing bare steel watermains and appurtenances are old, undersized (mainly 2"+), deteriorated and unreliable, with limited remaining life, including frequent leaks, repairs, outages, valve work, etc.	Design and construct 50,000'+ of new watermain to meet the WW standards and increase system reliability. Project can be phased by priority over 3+ years.	$3,375,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	2307	Elsinore WD - Country Club	3310013	3	Insufficient water storage facilities, and current inability to remove existing tanks from service for required major maintenance work.	Design and construct new steel tank to meet standards, to increase system reliability and to allow major maintenance on other tanks in the system.	$375,000
0	C	2386	Amador County Service Area #3/Unit 6	310021	4	The Camanche Water System will experience water pressures below 20 PSI at times when filling tanks within the system. The system was originally designed to serve multiple pressure zones through muliple wells, tanks, and hydropneumatic stations. Since its	The proposed project includes the addition of approximately 10,600 lineal feet of 12 inch water main which connects one of the best well production areas with a central portion of the overall water system. This will allow the water tanks to be filled and	$750,000
0	C	2386	Amador County Service Area #3/Unit 6	310021	5	Currently the total system tank storage capacity in Lake Camanche is 677,000 gallons. There are six storage tanks which are mostly unlined, ventilated, 40 year old redwood tanks. The tank staves have begun to rot, and to separate due to the tanks not r	Construction of a two million gallon bolted steel storage tank. The new tank would consolidate storage from several existing tanks. This proposed tank would provide adequate to provide domestic pressures and fire flows currently unavailable with the cur	$1,750,000
0	C	2400	VALLEY OF ENCHANTMENT MWC	3610051	1	Upgrade extremely old 2 inch mains which were installed in the 1940's. Replace them with 6-8inch mains to improve potable water distribution to customers and to be able to adequately provide fire flow requirements to a community located in a catestrophic	Pipeline replacement and installation, service line connections, install 10 new fire hydrants, 15 service lines will need to be jacked underneath a main state highway which requires a contractor to complete, upgrade undersize mains for necessary fire flow	$350,000
0	C	2500	IRWD - Santiago System	3010095	1	Reliablity of distribution system poor involving water losses and poor fire flows.		$500,000
0	C	2500	Mt. Hermon Association, Inc.	4410008	3	Well needs to be recased.	Dismantle the well head, pull the pump and motor, and insert a piece of pipe in the screened interval section.	$25,000
0	C	2500	Mt. Hermon Association, Inc.	4410008	4	System has 2 old bolted steel tanks (250,000 gal ea.) that are 50 years old and failing.	Replace 2 deteriorated tanks with one new 500,000 gal tank.	$475,000
0	C	2535	Borrego WD	3710036	4	The community is totally reliant on a sole source aquifer for drinking water. This aquifer is being depleted by agricultural, recreational and domestic pumping, 70%, 20% & 10% usage, respectively. The groundwater levels are dropping by 3-5 feet per yea	The two major water districts mentioned earlier have been contacted and appear willing to assist in 'wheeling' water through their system to a pipeline to Borrego Valley. The objectives of this planning/feasibility study include: (1) the identification o	$250,000
0	C	2716	GOLDEN STATE WATER CO - MORONGO DEL SUR	3610063	2	Old, undersized mainline	Replace mainline	$570,000
0	C	2775	Tahoe Cedars Water Company	3110013	1	No back up source.	System needs a new well for back-up during peak demand period	$190,000
0	C	2900	LITTLEROCK CREEK IRRIGATION DIST.	1910064	1	Wells contaminated with nitrate receive blending treatment.	Basin clean up using groundwater withdrawal and blending (see attached report) Project involves: Design, and Construction	$3,900,000
0	C	2969	O'Connor Tract Co-Operative Water Co.	4110019	1	Deteriorating and undersized pipes.	Install 3650 feet of new pipe and reconfigure system to abandon old pipe.	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	3000	North Marin WD - Pt. Reyes	2110006	23	Several areas of Pt. Reyes system have small diameter mains (2") which experience severe low pressure problems during routine flushing.	Distribution system improvements	$500,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	13	Planr vulnerable to power outages.	Backup pump for PRE	$60,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	12	No emergency power at plant.	Computerized controls for PRE pump stations.	$10,500
0	C	3000	North Marin WD - Pt. Reyes	2110006	16	No emergency power at treatment plant.	Purhcase power generator dedicated to West Marin.	$35,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	15		Install connection for emergency generator to speed restoration of service.	$10,000
0	C	3000	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	3		The California Aqueduct is the only source of water for the Western Hills Water District. The Department of Water Resources (DWR) shut down the pumps supplying water to the California Aqueduct on May 31, 2007 to protect the threatened Delta Smelt. Very l	$12,500,000
0	C	3001	City of Nevada City	2910002	1	To increase the capacity of the plant to produce sufficient amount of water during the summer peak demand and to increase our storage facilities and to refurbish and automate the thirty-five (35) year old plant.	The City of Nevada City's water treatment plant was totally rebuilt in the mid 1970's. The plant is designed to produce 2MGD; because the plant is essentially manually operated.In recent years, the City has been considering a complete rebuild of the wate	$3,625,000
0	C	3100	HERITAGE RANCH CSD	4010012	1	Nacimiento Lake allotment depleted by dwonstream rights. River drys gallery well inactive.	Construct back-up vertical well	$150,000
0	C	3300	Box Springs Mutual WC	3310004	6	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside, California. The current service area is 430 acres, with approximately 600 service connections. BSMWC has an existing well and West	This project will aid in the modernization of a deteriorating distribution system. If funded, this project would replace the current pump station with an entirely new system that meets all applicable codes and requirements of this type of installation and	$2,270,000
0	C	3300	Box Springs Mutual WC	3310004	5	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside California. The current service area covers 430 acres and supplies water to approximately 600 customers.The industry standard for t	This project will modernize an aging distribution system that is significantly passed its useful life by replacing a significant fraction of the corroded and deteriorated pipes that are currently in service. These infrastructure improvements will reduce w	$7,350,000
0	C	3300	Box Springs Mutual WC	3310004	4	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside, California. The current service area covers 430 acres and supplies water to approximately 600 service connections. BSMWC currently	This project would fund the installation of a nitrate treatment system on well #17 to reduce the nitrate contamination level of the water prior to disinfection and distribution. This system will likely consist of a skid mounted selective contaminant well	$1,960,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	3300	Box Springs Mutual WC	3310004	1	Aging infrastructure with antiquated mix pipe materials and sizes.	Replace all undersized and substandard waterlines.	$1,000,000
0	C	3300	Box Springs Mutual WC	3310004	3	Aging infrastructure: Water tank constructed in 1959 in need of recoating and structural improvements.	Renovation of interior and exterior coatings and structural repairs.	$130,000
0	C	3449	MARYGOLD MWC	3610028	2	Inadequate water storage Inadequate water supply (currently purchase water from City of Rialto)	Construct a new well (1,500 gpm), a storage (4 MG) and booster pumping station	$3,500,000
0	C	3449	MARYGOLD MWC	3610028	1		Construct a new well (1,500 gpm), a storage (4 MG) and booster pumping station	$3,500,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	4	CROWN VALLEY RD. PIPELINE. THE EXISTING PIPELINE THAT CONVEYS WATER FROM THE CROWN VALLEY PUMP STATION TO THE NORTH TANK IS AGED AND IN NEED OF REPLACEMENT. IF THIS MAIN FAILS APPROXIMATELY ONE HALF THE DISTRICT'S CUSTOMERS WILL BE WITHOUT WATER.	CONSTRUCT APPROXIMATELY 2,700 FT. OF 12 IN. PIPELINE.	$220,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	5	SANTIGO RD. PIPELINE. A PROPOSED PUMP STATION AT SANTIGO RD. AND SOLEDAD CANYON RD. WILL PUMP WATER INTO THE DISTRICT'S NORTH TANK VIA AN OLD, EIGHT INCH PIPELINE WHICH IS UNDERSIZED.	CONSTRUCT 4,200 FT. + OF 12 INCH PIPELINE ON SANTIGO ROAD TO SIERRA HIGHWAY AND THE NORTH TANK.	$320,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	6	SANTIAGO RD. PUMP STATION. PRESENTLY, THE DISTRICT RELIES ON ONLY ONE PUMP STATION (AT CROWN VALLEY RD.) TO TAKE WELL WATER INTO THE NORTH TANK. A SECOND PUMP STATION AT ANOTHER LOCATION WILL INCREASE THE RELIABILITY OF THE SYSTEM.	CONSTRUCT ANOTHER PUMP STATION A SANTIAGO RD. AND SOLEDAD CANYON RD.	$390,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	1	CROWN VALLEY P.S. SEVERAL HOMES IN THIS AREA HAVE LOW WATER PRESSURES AS THEY ARE LOCATED WHERE TWO PRESSURE ZONES INTERCONNECT.	INSTALL A PRESSURE REDUCING VALVE STATION, CONNECT TO THE HIGH PRESSURE ZONE, AND INSTALL APPROXIMATELY 420 FT. OF EIGHT INCH PIPELINE TO ISOLATE THE NEW ZONE.	$50,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	7	SYRACUSE AVE. PIPELINE. THERE IS PRESENTLY ONE PIPELINE THAT CONVEYS THE DISTRICT'S WELL WATER TO THE NORTH TANK. IF THIS LINE BREAKS MORE THAN 1/2 THE DISTRICT'S CUSTOMERS WILL BE WITHOUT WATER.	CONSTRUCT 2,600 FT. + OF 12 INCH PIPELINE ALONG AN ALTERNATE ROUTE TO MAKE THE SYSTEM MORE RELIABLE.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	3	THE DISTRICT'S THREE WELLS PRESENTLY DISCHARGE INTO THE DISTRIBUTION SYSTEM, WHERE SAND ENTERS THE PIPELINE CAUSING OPERATIONAL AND RELIABILITY PROBLEMS.	CONSTRUCT A 500,000 GALLON WATER TANK TO PERMIT SAND TO SETTLE AND ALLOW CONTACT TIME FOR CHLORINE.	$540,000
0	C	4340	Cal-Am Water Company - Felton	4410002	2	Water outages due to lack of pressure because of undersized main.	Replace San Lorenzo water main.	$270,000
0	C	4340	Cal-Am Water Company - Felton	4410002	1	Water main is undersized for hydraulic need and has a history of breaks and leaks.	Replace water main.	$300,000
0	C	4400	MEADOWBROOK WC	2410008	2		The new area is very rural with pockets of homes on large lots/acreage. It is difficult to ascertain the best way to reach the largest numbers of homes at the lowest practical cost and in a timely manner. We need to have a comprehensive plan done to exami	$50,000
0	C	4400	MEADOWBROOK WC	2410008	1	In April 2008 Meadowbrook Water was granted a greatly increased service area. The purpose of the request for funding is to examine the most feasible and cost effective way to extend our services to our new areas. Much of the area is rural; identifying the	The new area is very rural with pockets of homes on large lots/acreage. It is difficult to ascertain the best way to reach the largest numbers of homes at the lowest practical cost and in a timely manner. We need to have a comprehensive plan done to exami	$50,000
0	C	4417	DOS PALOS-CITY	2410002	1	Old, deteriorated, leaky water lines that were installed in 1949.	Replace existing lines with new PVC lines.	$138,250
0	C	4555	Del Mar - City of	3710004	2	Add seismic actuated valves to increase system reliability. Please see attached.	Please see attached	$260,000
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	5	SEISMICALLY UNSOUND TANK CONNECTIONS. IN THE EVENT OF A SEVERE EARTHQUAKE, THE EXISTING RIGID CONNECTION AND DRAIN COULD RUPTURE LEAVING AFFECTED RESIDENTS WITHOUT WATER SERVICE.	RETROFIT TWO WATER TANKS WITH FLEXIBLE CONNECTIONS AND MOVE DRAIN/OVERFLOW TO SIDES OF TANKS.	$112,500
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	2	NO WELLS. THIS DISTRICT HAS ONLY ONE SOURCE OF WATER, THE CASTAIC WATER AGENCY. WHEN THIS CONNECTION IS DOWN, AS OCCURRED AFTER THE 1994 EARTHQUAKE, WE MUST RELY ON STORAGE VOLUME FROM OUR TANKS WHICH WILL LAST LESS THAN ONE DAY.	CONSTRUCT NEW WELL WITH CHLORINATION STATION, FOREBAY TANK, AND BOOSTER PUMPING STATION TO MEET CUSTOMER WATER REQUIREMENTS.	$1,705,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	4	INTERMEDIATE ZONE DISTRIBUTION TANK NEEDED. THE EXISTING SYSTEM HAS TWO PRESSURE ZONES WITH A 310' DIFFERENCE IN ELEVATION. MANY OF OUR CUSTOMERS ARE SERVED OFF THE HIGH PRESSURE ZONE. THIS REQUIRES CONSTANT PUMPING AND REGULATING OF PRESSURES.	CONSTRUCT A 500,000 GALLON TANK AT AN INTERMEDIATE PRESSURE ZONE FOR THE HASLEY AREA.	$5,015,000
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	1	CUYAMA TANK. THE EXISTING 500,000 GALLON CUYAMA TANK IS OVER 20 YEARS OLD WITH CORRODED TANK WALLS WHICH MAY AFFECT WATER QUALITY AND PUBLIC HEALTH.	RECOAT INTERIOR OF 0.50 MG CUYAMA TANK TO PROTECT WATER QUALITY AND PUBLIC HEALTH.	$80,000
0	C	4710	MADERA VALLEY WATER COMPANY	2010010	2	We have two wells in our system that have become unusable. These two wells are over 30 years old. If we try to use these wells the drawdown is so great that they pump a lot of air into our system. We have lowered the bowls as far as we can. These are	We are planning to construct a new well site. The new well would replace the two wells which have become unsable. The new well would include a variable frequency drive and standby back up diesel generator. There would also be installation of pipeline t	$1,000,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	1	Elevated areas of the system have exceptional low pressures. Does not comply with W.W.S.	Conducted a study with an engineering firm, best way to solve the problem was to install booster pump station.	$95,000
0	C	5293	FOWLER, CITY OF	1010006	2	The water system is separately by Freeway 99 and the three water lines that connect the two sides of the water system do not have adequate capacity to provide desired water pressures and fire flows.	Construct a new well to increase the water supply capacity for both sides of the water system.	$650,000
0	C	5383	SOLVANG WATER DEPARTMENT	4210013	2	Needs additional water storage facilities to comply with Water Works standards.	Construction of 2.3 million gallon reservoir	$3,638,000
0	C	5500	VALENCIA HEIGHTS WATER CO.	1910163	1	Four wells produce water with nitrates and VOC's. Three out of four wells have exceeded the MCL for nitrate of 45 ppm.	Design and construct replacement wells.	$700,000
0	C	5659	GUADALUPE WATER DEPARTMENT	4210003	1	Inadquate storage capacity for fire suppression and system demand needs for the size of system.	Constrict a 1.5 MG water storage tank and associated appurtanences and a looped water system.	$1,420,500
0	C	5730	California Rehabilitation Center - Norco	3310800	1	Well #1 contains Benzene at a level above the MCL. The well was taken out of service in early 1989. In 3/97 an inspection of CRC's water system by DHS indicated that we need more water to reliably meet demands. Well #1 needs to be reactivated.	Add air stripping unit for benzene treatment.	$250,000
0	C	6000	Nuevo Water Company	3310026	1	Degradation of ground water quality due to intrusion of plume of high TDS water into ground water basin (see attached May 31, 1995 report prepared by Albert A. Webb Associates).	Construct new 1000 gpm capacity well and new 12" pipeline (see attached Plate 1).	$1,020,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	6076	SLO CWD NO. 10 - CAYUCOS	4010025	3	Two, 4inch distribution lines inadequate for providing fire flows & pressure	Replace existing 4 inch lines with new pipes.	$850,000
0	C	6251	Serrano Water District	3010082	2	Ww standard defects. Additional capacity to treat surface water for East Orange County Water District and the City of Orange.	Construct additional 2 MGD to existing treatment plant.	$2,500,000
0	C	6392	NEWHALL CWD-CASTAIC	1910247	1	Insufficient finished water storage capacity and water conveyance facilities in the 1630' pressure zone on the west side of the Castaic system.	Design and construct 2.5 MG welded steel storage reservoir in 1630' pressure zone and 8,880 feet of 16-inch diameter waterline.	$2,660,000
0	C	6392	NEWHALL CWD-CASTAIC	1910247	2	Available water right of 2.66% in the storm flow that is captured behind Castaic Dam is not utilized.	The District proposes to construct a micro filtration plant to treat the water and utilize in the domestic system. Project involves: Design, and Construction	$2,800,000
0	C	6500	Templeton CSD	4010019	1	Correct low pressure zone to meet domestic demands, improve reliability & water quality	Install storage reservoir, booster station and system piping for better circulation and adequate flows.	$1,960,000
0	C	6500	Templeton CSD	4010019	2	Supplement water supply to meet doomestic and fire demands	Recharge Salinas River sub-flow with water allocation from Nacimiento Water Project & extract same amount downstream	$250,000
0	C	6500	Templeton CSD	4010019	3	Exisiting system delivering low pressure (28 to 39 psi) avg. day demand on west side of the service area.	Construct a new higher pressure zone, including 1.0 MG storage tank, 100 ft of 10 inch PVC main from new tank to the existing water main, bosster station, 650 feet of 8-inch PVC water main to allow water to bypass transmission mains.	$2,800,000
0	C	6700	MAYWOOD MUTUAL WATER CO. #2	1910085	3	Water mainlines are full of tuberculation caused by minerals, and need a rehabilitation of approximately thirteen miles. Main valves need to be replaced, a total of 175, and approximately forty-five fire hydrants that are currently under the standards of	The project consists of cleaning and lining with cement mortar approved by NSF. This improvement will bring to all customers better quality of water, will bring an efficient PSI and will reduce the use of electricity needed on the boosters and pumps.	$4,500,000
0	C	6813	SATIVA-L.A. CWD	1910147	4	Sativa Los Angeles County Water District is a very small water system with approximately 6,880 customers with limited water production capabilities. The District needs to locate, drill and develop a new well to meet system demands. The current wells bar	Sativa Los Angeles County Water District # 1910147, desperately needs improvements to its water system.Develop a new well with a production of 900 gpm or more.Build a small on site reservoir with booster pumps to maintain positive pressure on the system (	$2,000,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	9	Lack of adequate well water/reliance on NID Ditch water for housefold use	Connection to NID treated water service.	$1,310,000
0	C	7128	Western MWD - Murrieta Division	3310036	3	Aging leaking water distribution lines within older portions of town requiring high maintenance costs & possible water outages.	Replace main & lateral water lines in older parts of town. Many areas are in lower income areas. Some are also in historical parts of town.	$750,000
0	C	7305	Woodlake, City of	5410020	5	Inadequate storage capacity.	Add additional storage tank and associated piping.	$750,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	7500	LA PUENTE VALLEY CWD	1910060	3	WW standards defect. Reliability. Numerous leaks on 12" steel (circa 1951) transmission/distribution line on Stimson St. causing water outages during maintenance.	Replacement of line with 12" ductile iron pipe. Project involves: Design to solve problem, and Construction	$150,000
0	C	7500	LA PUENTE VALLEY CWD	1910060	4	WW standards defects. Power outages cause water outages in Pressure Zone 2 and 4.	Construction of a 75 HP generator for booster pumps.	$35,000
0	C	7500	LA PUENTE VALLEY CWD	1910060	5	Inadequate distribution grid causes major water outages during maintenance, poor flow during peak summer months.	Construction of a pressure sustaining valve between Pressure Zone 1 and 2.	$20,000
0	C	7775	California-American Larkfield (PUC)	4910023	2	South end of distribution system requires an additional looped feed.	Old Redwood Highway main replacement/extension.	$160,000
0	C	7775	California-American Larkfield (PUC)	4910023	3	Inadequate storage capacity.	Construct raw water storage reservoir at North Wikiup site.	$400,000
0	C	7880	SOUTH MONTEBELLO IRRIGATION DIST.	1910153	2	To protect against seismic damage by the U.S. Army Corps of Engineers in a series of studies in the southern California areas between 1995-1997.	Replacing key water transmissions and distribution mains as well as valves and fire hydrants.	$450,000
0	C	8080	Santa Ana River Water Company	3310033	1	Poor water quality and low water pressure due to dead end water lines.	Construct water pipelines to eliminate dead end water lines (Plate 1)	$810,000
0	C	8080	Santa Ana River Water Company	3310033	4	Lack of reliable water supply. High nitrate wells taken out of service. System is dependant on neighboring water system (see attached documentation).	Install an ion exchange treatment process to remove nitrate from Wells 3 and 3A	$1,300,000
0	C	8080	Santa Ana River Water Company	3310033	5	The water company's two existing water storage tanks need to be upgraded to minimize potential damage to piping and possible breakage during a severe earthquake.	Foundation improvements, expansion joints and piping modifications of shell to ground connections (see attached report).	$100,000
0	C	8080	Santa Ana River Water Company	3310033	2	Lack of reliable water supply.	Drill and equip two water wells	$600,000
0	C	8080	Santa Ana River Water Company	3310033	6	Payment of loan under CA Safe Drinking Water Bond Law of 1976, to pay for the construction of a new well, booster station, storage tank, and pipelines; due to low pressure, insufficient water storage and supply.	Construct new 1.5 MG tank, well #8, Bellegrave Booster Station and pipelines. (see attached loan agreement)	$1,255,690
0	C	8080	Santa Ana River Water Company	3310033	3	Insufficient treated water storage facilities. The water Company has two water storage facilities. The water company has two water storage tanks with a capacity of 2.2 million gallons. However, they need 4.9 million gallons of storage.	Construct a 2.7 million gallon welded steel tank on the water company's existing land on Bellegrave Ave.	$1,200,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	2	Inadequate storage to comply with Water Works standards.	Construct a 3.2 MG reservoir to provide adequate storage in one pressure zone.	$3,300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	8538	BAKMAN WATER COMPANY	1010001	1	Well No. 10 exceeds the DBCP MCL, but GAC treatment has already been installed.	A GAC treatment system has already been installed on Well No. 10.	$250,000
0	C	8646	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	3	Master Plan does not provide for reliable water system operation	Develop a new master plan	$100,000
0	C	8689	NEWHALL CWD-PINETREE	1910250	1	Insufficient treated water storage facilities to meet maximum day water demand of 5 mgd.	Install a 2 MG welded steel storage facility to supplement the Pinetree Systems existing storage. Project involves: Design to solve problem, and Construction	$1,000,000
0	C	9479	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	2	Old, undersized mainline	Replace mainline	$3,900,000
0	C	9479	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	3	210k Gal Lone Pine Reservoir corroded and structurally unsound	Construct new reservoir	$200,000
0	C	9500	MAYWOOD MUTUAL WATER CO. #3	1910086	2	Replace low flow mains, replace all 4 inch main with 6-8 inch.Increase fire flow to low flow areas6 inch main between Gage and Randolph on Atlantic Blvd, remove blockage for fire flow.Replace 4 inch mains on Mayflower & Prospect between Randolph and 61	6 inch main between Gage and Randolph on Atlantic Blvd, remove blockage for fire flow.Replace 4 inch mains on Mayflower & Prospect between Randolph and 61st street.Replace 4 inch mains on Slauson Avenue from Alamo to LA River.Replace 4 inch mains on At	$2,000,000
0	C	9719	EAST PASADENA WATER CO.	1910020	1	Existing wells (supply) does not meet the rqmnts for high demand peaks per WW Stnds	Drill new well to increase capacity from Raymond Basin	$624,000
0	C	9777	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	3	REGION 24, 27, 33 WELLS MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT A NEW 500' SHADOW WELL, A CHLORINATION SYSTEM, A BOOSTER STATION AND A FOREBAY TANK	$1,536,000
0	C	9777	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	1	GROUNDWATER NEEDS TO BE CHLORINATED	CONNECT 2 ADJACENT WELLS FOR CHLORINATION AT ONE SITE	$110,000
0	C	9777	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	2	OLD, UNDERSIZED WATER MAIN	INSTALL 6,600 LINEAR FEET OF 12" WATER MAIN	$450,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	3	Need a Water Master Plan	Develop a Water master plan	$100,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	5	Insufficient source capacity resulting in outages	Drill a new well	$300,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	4	Waterworks problems- Insufficient storage capacity	Have a hydraulic analysis performed on the system to determine size of reservoirs and location and build reservoirs	$565,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	2	Waterworks problems - pipelines too small in diameter to adequately supply water throughout the distribution system.	Have a hyfraulic analysis performed on the system to determine how much pipeline is needed and where, contract for installation of pipelines	$100,000
0	C	9910	Westborough County Water Dist	4110027	1	Water outages due to deteriorating pipes and low storage tanks.	Install new pipes and couplings to eliminate water outages for customers and construct new water storage tank for adequate water storage.	$2,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	10500	Riverview WD	3710030	3	Watermain replacement: 3000' of 14" steel in Emerald Grove Ave. The main si approx. 60 yrs old and in bad shape. Several breaks have ocurred and the main is a major connector between pressure levels within the District.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$250,000
0	C	10570	SIERRA MADRE-CITY, WATER DEPT.	1910148	1	WW standards defect. Poor reliability of aged storage reservoir.	Replace two (2) concrete reservoirs and perform seismic retrofit work at two (2) others. Project involves: Design, and Construction	$6,000,000
0	C	10570	SIERRA MADRE-CITY, WATER DEPT.	1910148	2	Reliability of local sources limited. Additional sources of supply needed.	Design and construct one domestric well and a water system inter-tie between the Cities of Sierra Madre and Arcadia.	$1,660,000
0	C	11328	Hillsborough Water Dept.	4110016	1	Delapitated and aged watermains, water tanks and booster stations.	Replace existing undersized water mains with minimum 8" ductile iron pipe. Seismically upgrade or replace water tanks and booster station and other improvements and water services.	$15,000,000
0	C	12481	SBDNO COUNTY SERVICE AREA 64	3610121	5	Master plan does not provide for reliable water system operation	Develop new master plan	$100,000
0	C	12481	SBDNO COUNTY SERVICE AREA 64	3610121	4	System does not meet water works standards for reliability and capacity	Construct new tank	$350,000
0	C	12566	Newhall CWD-Newhall	1910096	9	Newhall County Water District Booster Pump Station No. 4 was built in 1966 and consists of three centrifugal pumps. Located in the Newhall Division, Booster No. 4 receives water from Zone 1 and pumps the water to Reservoirs 4 and 4A. The combination eff	The replacement of Booster Station No. 4 is an item that is recommended in the Newhall County Water District (NCWD) Newhall Master Plan prepared by Brockmeier Consulting Engineers Inc. The suggested location of relocation is a piece of property the Distr	$530,000
0	C	12566	Newhall CWD-Newhall	1910096	2	Well 10 specific capacity has decreased from 14.8 gpm/ft. of drawdown to 3.9 gpm/ft. between 1961 and 1996 respectively.	Rehabilitate Well 10 by chemical treatment. See attached specification and correspondence of July 9, 1997.	$150,000
0	C	12566	Newhall CWD-Newhall	1910096	3	Refinance. Six (6) water tanks were destroyed by the January 1994 Northridge earthquake.	Replacement of six (6) water tanks which failed in the January 1994 Northridge earthquake. Refinancing of the District's 1995 Installment Sale Financing (see attached Agreement).	$2,870,211
0	C	12566	Newhall CWD-Newhall	1910096	6	Newhall County Water District (Newhall Division) Reservoir 4A was built in 1975. This 1.5MG tank is hydraulically connected with Reservoir 4 and together both feed Zone 4 of the Newhall Division. Reservoir 4 is in need of major rehabilitation that inclu	The first step of the project would involve engaging engineering firms to bid on the design of the new distribution reservoir. Once the bid has been awarded staff will work closely with the engineers to make sure all specifications are met. After a desi	$1,240,000
0	C	12566	Newhall CWD-Newhall	1910096	7	Newhall County Water District (Newhall Division) Reservoir 1 was built in 1962. This .75MG tank is hydraulically connected with Reservoir 1A and together both feed Zone 1 and the rest of the Newhall Division. Reservoir 1 is at the heart of the Newhall d	The first step of the project would involve engaging engineering firms to bid on the design of the new distribution reservoir. Once the bid has been awarded staff will work closely with the engineers to make sure all specifications are met. After a desi	$2,200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	12566	Newhall CWD-Newhall	1910096	4	WW standards defect. Reliability of an emergency connection.	Design and construct a pumping station and a connection to CLWA's lateral to obtain 2000 gpm capacity.	$300,000
0	C	12566	Newhall CWD-Newhall	1910096	5	WW standards defect. Reliability of aged booster pumps at Station No. 6.	Construct a 12-inch diameter water main about 2600 + from Zone 8 (1710') system to Zone 6. PZ No. 6 will be eliminated by this project. (See Plate 1). Project involves: Design, and Construction	$232,000
0	C	12609	LOS ANGELES CO WW DIST 40 Reg 38 Lake LA	1910005	1	REGION 38 WELLS MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT A NEW 400' SHADOW WELL, 4500' OF PIPELINE, A CHLORINATION SYSTEM, A BOOSTER STATION AND A FOREBAY TANK	$715,000
0	C	12614	LIVINGSTON-CITY	2410004	2	The distribution system has some aged and undersized water mains.	Conduct an engineering study to identify system deficiences and replace deficient water mains.	$4,100,000
0	C	12626	NIPOMO COMM SERVICES DIST	4010026	3	Need additional storage capacity to meet present demand for a new high school and future district requirements	Construction of a one million gallon water storage tank and transmission main.	$1,000,000
0	C	13168	Lee Lake Water District	3310074	1	In 1996, the Distirct acuired 3 water wells for the purpose of providing an alternate source of potable water to the District's system to increase system reliability. It was determined by DHS that the wells are under the influence of surface water.	A water surface treatment facility needs to be constructed to allow the District to use its wells for potable use. Also, a water transmission pipeline must be constructed to connect the wells to the District's existing potable transmission main.	$1,000,000
0	C	13500	MONTECITO WATER DIST	4210007	6	Dependency on South Coast Conduit during high flows.	Replace existing 250,000 gallon tank with 2,000,000 gallon tank and increase treatment flow to 1.4 MGD.	$3,200,000
0	C	14575	RIPON, CITY OF	3910007	1	Rising concentrations of nitrate in the City of Ripon's groundwater supply have forced the City to take critical wells out of its drinking water supply. One of the City's potable wells, Well 12 with a design flow of 2,000 gpm, is currently offline due to	Given the residuals disposal challenges associated with strong base anion exchange and reverse osmosis, the City of Ripon is proposing to evaluate weak base anion (WBA) exchange as an emerging nitrate treatment technology that may offer a feasible alterna	$500,000
0	C	15000	QUARTZ HILL WATER DIST.	1910130	1	Disinfection facilities are needed to reduce loss of residual in the system.	Purchase and installation of hypochlorite generators.	$100,000
0	C	15300	American Canyon, City of	2810005	1	Deficiency in treated water storage for supply, pressure and fire fighting.	Design, land acquisition and four MG potable water storage tank.	$2,048,000
0	C	15300	American Canyon, City of	2810005	2	Deficient residual pressure and need emergency water supply.	Purchase water supply and connection from City of Vallejo water system.	$1,000,000
0	C	15955	Ukiah, City of	2310003	1	Inadequate storage volume.	Add 3,000,000 gallons of storage to the distribtution system.	$2,000,000
0	C	16000	LINCOLN AVENUE WATER CO.	1910063	2	Most main lines in our service are are 50+ years old. Some areas do not have adequate fire flow as required by the LA County Fire Department.	Upgrade the distribution system.	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	16800	OAK PARK WATER SERVICE	5610043	1	1.0 MG storage tank built in 1996 is on unstable soil that precule seismic upgrade. System deficient in storage	Install new 2 MG tank with good foundation soils and pipeline connecting the new location to the system	$2,500,000
0	C	17200	Coalinga-City	1010004	2	The City provides drinking water to the residents of Coalinga and to the Pleasant Valley State Prison and the Coalinga State Hospital adjacent to the prison. In 1992, in anticipation of the increased demand that would result from the planned Pleasant Val	The project includes the construction of an above-ground 3 million gallon (MG) steel potable water storage tank and the repair of an existing 2.8 MG steel potable water storage tank along with all related tank site location and necessary piping and valves	$12,000,000
0	C	19000	San Lorenzo Valley Water Dist	4410014	1	Inactive surface water source requires treatment.	Build a surface water treatment plant on a new site and also provide treatment for iron, manganese, and hardness in the Olympia Wellfield.	$8,040,000
0	C	20181	LOMITA-CITY, WATER DEPT.	1910073	2	WW standards defects. Poor reliability of existing 71 years old concrete reservoir. System is totally dependent on imported water from M.W.D.	Design and construction of 7 MG water storage.	$4,000,000
0	C	20500	South Coast WD - Capistrano Beach	3010055	2	The District proposes to construct a groundwater recovery facility using reverse osmosis with an ion exchange pre-softening.	Design and construction of a groundwater recovery facility.	$5,000,000
0	C	20500	South Coast WD - Capistrano Beach	3010055	1	Water storage capacity is inadequate to handle the anticipated storage needs for District as well as to handle the storage needs of the proposed District groundwater recovery facility.	The District proposes to construct a new 2 million gallon reservoir at the current reservoir's site.	$2,000,000
0	C	20681	Phelan Pinon Hills CSD	3610120	2	Master plan does not provide for reliable water system operation	Develop a new master plan	$100,000
0	C	20681	Phelan Pinon Hills CSD	3610120	5	Distribution system is not large enough to adequately supply water throughout the system to meet peak demand	Upgrade distribution system	$2,229,000
0	C	20681	Phelan Pinon Hills CSD	3610120	4	Lack storage capacity	Construct two new tanks	$1,250,000
0	C	20681	Phelan Pinon Hills CSD	3610120	6	Booster stations need to be upgraded to be able to supply additional water throughout the distribution system	Upgrade and replace booster pumps	$150,000
0	C	20875	PATTERSON, CITY OF	5010017	1		One of the Citys drinking water wells is located adjacent to a City park, and surrounded by a residential area.The well is enclosed by four inadequate walls and a chain link gate. The walls are easily damaged and difficult to repair. Water operators ob	$250,000
0	C	21500	City of Millbrae	4110018	3	Need to improve storage reliability and recoat storage tanks.	Seismically upgrade storage tanks and recoat interior and exterior surfaces	$2,000,000
0	C	21500	City of Millbrae	4110018	1	Undersized pipes and deteriorating distribution system causing breaks and service disruptions.	Replace system sections that are undersized and deteriorated,	$450,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	21500	City of Millbrae	4110018	2	Need capability to transport water to separate zone in event of service disruption.	Install pump station to pump water from lower zone to upper zone.	$375,000
0	C	22000	PORT HUENEME WATER DEPT	5610009	5	water mains contain joints with lead, impart lead contamination to water supply	Replace two cast iron mains with PVC C9000	$3,000,000
0	C	22000	NORWALK - CITY, WATER DEPT.	1910191	1	Lakeland Well No. 3 shut down due to water contamination and structural problems.	Install new well and well head treatment. Project involves: Design, and Construction	$1,460,000
0	C	22000	NORWALK - CITY, WATER DEPT.	1910191	2	Fire flow, peak hour, and emergency use demands are not currently being met due to under-capacity storage facilities.	Construct a new reservoir, well and pump station. See attached discussion. Project involves: Design, and Construction	$5,825,000
0	C	22370	EL MONTE-CITY, WATER DEPT.	1910038	2	production well # 4 is showing increase levels of nitrates. the city has made contact with MWH and are in the planning stage to treat this well with R.O.	Production Well # 4 is equipped with a 100 HP electric motor and a natural gas motor incase of emergency use. The well produces 1500GPM and is a lead well for our system.If Nitrates levels exceed the MCL the city will install a R.O. system to remove the	$500,000
0	C	22649	REEDLEY, CITY OF	1010027	1	The City of Reedleys water system currently has storage capacity for 100,000 gallons to serve a population of 24,000 + with over 5,000 service connections. This is inadequate storage for fire protection and for an extended City wide power outage, this w	The project will allow for two 1.5 million gallon elevated Hydro-towers to be located at the north end of the City and the east end to stabilize pressures and provide the City with more than 24 hours of water storage capacity. These towers will be design	$9,000,000
0	C	24160	Hollister, City of	3510001	5	Concrete storage reservoir in Cienega Hills needs to be replaced.	Design and construct a modern reservoir to replace the existing one.	$265,000
0	C	24160	Hollister, City of	3510001	2	Certain areas of the City have 50 year old pipelines which need to be replaced.	Identify a more stable pipeline route and then construct a new pipeline with the use of proper restraints and well-engineered structures.	$1,278,000
0	C	24160	Hollister, City of	3510001	7	Seismic retrofits of well facilities.	All deficiencies should be carefully evaluated and corrected.	$150,000
0	C	24160	Hollister, City of	3510001	11	City has 50-year old pipeline that needs to be replaced. Pipelines are located on unstable hillsides, not properly supported; have failed frequently, resulting in water outages. Repairing leaks requires depressurizing large portions of system.	Identify a more stable pipeline route and construct a new pipeline with adequate restraints and supports.	$1,366,000
0	C	24295	GSWC-SOUTH ARCADIA	1910212	2	ENCINITA WELL #1 AND #2 EXCEED THE TCE MCL	INSTALL GAC FILTERS ON WELL #1 AND BLEND ITS OUTPUT WITH WELL #2 AND #3	$800,000
0	C	24295	GSWC-SOUTH ARCADIA	1910212	1	700' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE UNDERSIZED MAINS	$70,000
0	C	24877	CITY OF SANGER	1010029	2	Lack of adequate backup power facilities at the well sites.	Install backup power generators at 8 well sites to provide system reliability.	$1,200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	25620	Valley Center MWD	3710026	1	Deficient system storage.	2,400' of 16" line, 3-MG steel reservoir (Shadow Ridge).	$2,000,000
0	C	25824	City of South Pasadena	1910154	2	The 100 year old Grand Reservoir has a collapsing roof and excessive leakage.	Design and construct a replacement reservoir.	$2,000,000
0	C	25824	City of South Pasadena	1910154	5	Water pressure in the south-western section of the city is extremely low water pressure making the system susceptible to backflow contamination, and impairing health and sanitation on customer facilities.	Low pressure - south-western section of city; revise current pressure zone, convert to variable speed booster pumps, and build a connection to the existing high pressure supply from the LA MWD. Project involves: Design, and Construction	$1,200,000
0	C	25824	City of South Pasadena	1910154	1	The finished water storage reservoir at the Wilson site has a deteriorated roof making the finished water susceptible to contamination.	Replace reservoir roof. Project involves: Design to solve problem, and Construction	$450,000
0	C	25824	City of South Pasadena	1910154	9	The 1.0mg Wilson Reservoir was purchased in 1920 by the City of South Pasadena. The reservoir is predominately buried. The base of the reservoir is constructed of concrete and the roof is wood. This Reservoir is used to blend water from 3 wells, 2 that a	Given the serious issues facing the City of South Pasadena's Wilson Reservoir as outlined in the Problem Statement, the City is already in the early stages of procuring an intital engineering services agreement for preliminary design and an alternatives e	$1,000,000
0	C	27361	Norco, City of	3310025	2	The City does not have an adequate source of supply to meet peak water demand. (see DHS compliance order 04-14-95CO-007, p.2 attached)	To reduce system demand, a pumping station and transmission main will be constructed to return up to 2 MGD of recycled water from the WRCWA regional sewage treatment plant for irrigation purposes.	$550,000
0	C	27361	Norco, City of	3310025	3	The City does not have sufficient source capacity from its existing wells to adequately, dependably, and sagely supply the total requirments of all of its users under maximum day demand conditions. DHS compliance order 04-14-95CO-007, p.2 attached.	Design, drill and equip additional well in Temescal Basin, including required transmission main.	$350,000
0	C	27361	Norco, City of	3310025	1	The City's water system has a peak consumption demand of 13 MGD and only 9.5 MG of reservoir storage (see attached DHS compliance order, page 4, 5).	Construction of 4 MG reservoir to maintain adequate reserve capacity.	$4,400,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	29		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	28		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	25		In compliance with the Public Health Security and Bioterrorism Preparedness and Response Act of 2002, the Los Angeles County Waterworks Districts (Districts) completed three vulnerability assessments. These vulnerability assessments evaluated susceptibil	$4,025,600
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	23	The existing concrete tank does not meet current domestic and fire protection standard.	Will be replaced with a bigger steel tank.	$1,460,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	7	EMERGENCY GENERATOR. DURING POWER OUTAGES, THE MAJORITY OF THE DISTRICT WILL BE CUT OFF FROM WATER SERVICE UNTIL POWER IS RESTORED.	INSTALL PERMANENT EMERGENCY BACK-UP GENERATORS TO KEEP OUR TWO MAJOR PUMP STATIONS OPERATIONAL DURING POWER OUTAGES.	$600,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	37		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	33	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	27		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	35		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	4	CARBON MESA WATER TANK. THE EXISTING 0.1 MG TANK IS AGED AND OF INSUFFICIENT SIZE TO STORE WATER FOR DOMESTIC WATER SUPPLY.	ERECT A TEMPORARY 0.1 MG TANK, REMOVE THE EXISTING RESERVOIR, AND CONSTRUCT A NEW 0.250 MG RESERVOIR.	$800,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	41	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	26	Metropolitan Water District of Southern California (MWD) provides the single source of water that supplies Los Angeles County Waterworks District No. 29 (WWD 29) through a connection with West Basin Municipal Water District (WBMWD). The water supply is d	Los Angeles County Waterworks District 29 (District) is proposing the addition of a new water source through a new interconnection with MWDs' Sepulveda Feeder to boost gradient during high demand and emergencies. The new connection will be utilized as th	$5,350,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	32	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	24	Metropolitan Water District of Southern California (MWD) provides the single source of water that supplies Los Angeles County Waterworks District No. 29 (District) through a connection with West Basin Municipal Water District (WBMWD). The water supply is	The District is seeking matching funds for a capital improvement project aimed at decreasing water age by increasing turnover rates in the 5 MG Pepperdine storage, and installation of new water quality monitoring equipment. The project consists of insta	$2,400,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	40	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	39		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	38		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	31		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	36		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	34		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$70,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	42	There is an active landslide at 19560 Pacific Coast Highway (PCH). This landslide is referred to as the Big Rock Slide and La Grande Bulge. Since 1996 approximately 55 percent of the water main breaks on the District's 30-inch transmission water main, w	The goal of this project is to minimize the amount of water depleted in this area that can be used for both drinking and fire-fighting purposes, and to maintain the integrity of the roadway. The project consists of the replacement and retrofit of four ex	$187,500
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	30	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	$35,000
0	C	28000	City of Benicia	4810001	12	Low distribution system pressure.	DESIGN AND CONSTRUCTION OF A NEW 24 INCH PIPELINE AND OTHER MODIFICATIONS TO EXTEND ZONE II TO THE WEST TO SERVICE THE AREA.	$710,000
0	C	28000	City of Benicia	4810001	1	Inadequate turnover in treated water reservoir.	Install booster pump to cycle reservoir contents and repair roof.	$267,500
0	C	28000	INDIAN WELLS VALLEY W.D.	1510017	2	LIMITED TRANSMISSION CAPACITY ON EAST SIDE RESULTING IN LOW PRESSURES. ADDITIONAL STORAGE CAPACITY REQUIRED IN THIS AREA.	INSTALL NEW PIPELINES IN THE EASTERN PORTION AND CONSTRUCTION A STORAGE TANK IN THIS AREA. OTHER -DESIGN AND CONSTRUCTION	$11,975,000
0	C	28000	City of Benicia	4810001	11	Inadequately sized distribution system pump station.	Design and construction of new pump station with additional capacity and reliability improvements.	$1,225,000
0	C	28000	City of Benicia	4810001	19	No emergency power to operate distribution system.	Design and install permanent emergency power facilities at Rose Drive Pump station.	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	28000	City of Benicia	4810001	20	Structural and seismic improvements needed at outlet tower of stand-by source.	Structural and seismic improvements to the tower will be designed and constructed.	$260,000
0	C	28000	City of Benicia	4810001	10	Undersized distribution system piping.	Design and construction of a 2,000 foot long, 24 inch pipeline in Bayshore Road to parallel the existing pipeline.	$710,000
0	C	28000	City of East Palo Alto	4110024	1	Undersized pipes and deteriorated water mains causing breaks, low pressure, and low flow rates.	Replace rusted old and undersized water mains with new min. 8" mains to elliminate health hazard and risk of failure.	$1,100,000
0	C	28000	City of Benicia	4810001	15	Raw water transmission system may be corroded and in need of repair.	Corrosion survey of entire pipeline and repairs to Cordelia pipeline.	$115,000
0	C	28000	City of Benicia	4810001	3	Seismic and structural improvements needed for treated water reservoir.	Perform seismic and coating evaluation, design and construct improvements.	$200,000
0	C	28000	City of Benicia	4810001	8	Inadequate operational control of WTP and distribution system due to outdated SCADA system.	Design and install integrated SCADA/telemetry system for the pump station and WTP/	$915,000
0	C	28000	City of Benicia	4810001	17	Sections of distribution system is deteriorated.	Replace pipelines with new ductile iron pipe to bolster the distribution system.	$1,029,000
0	C	28000	City of Benicia	4810001	9	Inadequately sized distribution system pump station.	Design and construction of pump station improvements to increase capacity and increase reliability.	$620,000
0	C	28000	City of East Palo Alto	4110024	2	Need emergency water supply.	Design and construct a facility on site to treat high iron and magnese contect to a safety level in order to use as the back-up source during emergency when San Francisco Water is not available.	$500,000
0	C	28796	ATASCADERO MUTUAL WATER CO	4010002	5	Needs to treat new surface water source (Nacimiento Water) that will become available in 2010	Deisgn and Construct SWTP, recharge & recovery basins and associated wells and other infrastructure	$5,000,000
0	C	28796	ATASCADERO MUTUAL WATER CO	4010002	4	Raw surface water to be delivered from Nacimiento Project as a back-up/additional source.	Design & construct a 3.4 MGD SWTP to treat the raw water	$7,500,000
0	C	29281	Santa Paula Water System	5610011	4	Distribution system has old, inadequate size and poor condition mains which do not comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch dist. Mains including services, hydrants, air/vac valves, bklowoffs & contract mgmnt.	$842,400
0	C	31000	CRESCENTA VALLEY CWD	1910028	1	WW standards defects. Thirteen (13) aged steel finished water reservoirs in need of major repairs due to structural and seismic deficiencies.	Rehabilitation of the 13 reservoirs. Project involves: Design, and Construction	$2,416,695
0	C	31000	CRESCENTA VALLEY CWD	1910028	4	The water systems has 10 old cable tool drilled wells and one (1) mud rotary drilled well. All of the wells were constructed prior to 1951 without sanitary seals and have biological growths, such as iron bacteria, and casing corrosion.	Replace the existing 11 wells with up to 16 new wells of modem design and construction to replace existing production.	$11,069,460

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	33792	San Juan Water District	3410021	2	Inadequate pressure to meet Waterworks Standards. As water demand increases, pressure drops below the State required minimum and temporary water outages are experienced during peak demands.	Install a 12-inch pipeline up to the tank and refurbish the existing tank, which belongs to a neighboring water agency. The neighboring water agency does not use the tank and they have agreed to let SJWD use it. Also requires four new 60 hp pumps.	$500,000
0	C	34558	Marina Coast Water District	2710017	7	The conversion of the Fort Ord from military use to domestic use included transferring ownership to the Marina Coast Water District for the existing Fort Ord public drinking water supply, treatment, storage and distribution system. The Marina Coast Water	This project would include the following:- Perform an evaluation of the tank integrity.- Determine the appropriate liner for the tank. - Obtain appropriate permits for disposing of tank drainage/flushing water, if needed- Select a contractor to perform	$300,000
0	C	35000	Estero Municipal Improvement District	4110021	1	Need an alternate supply main since system supplied by one main.	Desgin and Construct alternative water supply main to redundant SFWD supply.	$20,000,000
0	C	35212	Golden State Water Company - Orcutt	4210016	6	Distribution system has old and inadequate size mains which do not comply with Water Works standards.	Replace 2400 feet of water main.	$154,000
0	C	36037	City of San Juan Capistrano	3010030	2	Loss of capacity due to reduced yield and bio fouling in Rosenbaum Well No 2.	Construct new well in Trabuco Creek (North) area of District.	$276,000
0	C	36037	City of San Juan Capistrano	3010030	3	Current reservoir capacity to zone is inadequate causing pressure fluctuation. Reservoir is in need of major repair.	Construct 2 MG reservoir and transmission main to link into distribution system.	$1,815,000
0	C	36037	City of San Juan Capistrano	3010030	4	Lack of emergency reservoir storage (2004 Water Master Plan Available upon Request)	Construct a reginal emergency storage reseroir, the Chiquita Reservoir in Mission Viejo. Santa Margarita Water District is the lead agency for this project. The requested cost is the City's share cost for this project.	$5,000,000
0	C	36501	GSWC - CLAREMONT	1910024	1	6100' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE OR ABANDON UNDERSIZED MAINS OVER A 2 YEAR PERIOD	$300,000
0	C	37732	GSWC - CULVER CITY	1910030	3	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$700,000
0	C	37732	GSWC - CULVER CITY	1910030	4	UNABLE TO DISINFECT 3 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$45,000
0	C	37732	GSWC - CULVER CITY	1910030	1	BOTH ACTIVE WELLLS HAVE BEEN SHUT DOWN UNDER THE REQUEST OF EPA/LARWQCB DUE TO A POTENTIAL MTBE CONTAMINATION IN THE AREA.	CONSTRUCT A NEW WELL IN A UNCONTAMINATED AQUIFER. STUDY WATER QUALITY TO DETERMINE POTENTIAL NEED FOR TREATMENT.	$1,000,000
0	C	37732	GSWC - CULVER CITY	1910030	2	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$320,000
0	C	38390	North Coast County Water Dist	4110025	4	Wooden tank has leakage abd a roof in poor condition.	Abandon tank and construct ne waterline to serve area.	$250,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	38390	North Coast County Water Dist	4110025	3	Need alternate water supply line for a service area in case of an emergency.	Construct loof to bring second supply line to this area.	$425,000
0	C	38390	North Coast County Water Dist	4110025	1	Wooden tank has leakage and a roof in poor condition.	Replace wooden tank with new steel .	$10,000
0	C	38390	North Coast County Water Dist	4110025	2	Need alternate water supply in case of emergency.	Construct intertie with the City of San Bruno which will be second source of supply.	$3,125,000
0	C	38390	North Coast County Water Dist	4110025	9	6,000 ft of 21in transmission main is constructed above the San Andreas Fault. Severe damage is expected when the fault moves; it is anticipated to move six to twelve feet during a major earthquake.	Project replaces the existing piping with a seismically hardened 24in ductile iron pipeline. Six isolation valve/transition assemblies will be constructed that isolates damaged pipe and transition flow to above ground after emergency piping installation.	$2,100,000
0	C	38390	North Coast County Water Dist	4110025	8	Christen Hill Tank is seismically unstable.	Replace tank.	$7,500,000
0	C	38390	North Coast County Water Dist	4110025	10	8000 ft of distribution piping is seismically unstable and is connected to the Christen Hill Tank that serves a major portion of the distribution system.	Construct 8000 ft of seismically hardened piping on the west side of the fault. Additional modifications to pipe crossings.	$3,090,000
0	C	40165	City of San Bruno	4110023	3	Storage reservoir needs to be upgraded with seismic retrofitting and recording.	Upgrade the existing dome ring with high strength threadbars and floating anchors placed outside the existing dome ring. Upgrade wall prestressing, Rehabilitate the footing base connected to withstand seismic loads.	$487,000
0	C	40165	City of San Bruno	4110023	7	Need emergency power supply at booster pump stations and wells.	Purchase five trailer mounted portable diesel powered electrical generators that would be stationed at each well head.	$300,000
0	C	44831	CAMARILLO WATER DEPT	5610019	3	Inadequate storage capacity causes Water Works standards violation.	Construct a 4 MG water storage reservoir which will provide peak storage capacity for pressure zones 1 and 2.	$4,804,000
0	C	45000	VERNON-CITY, WATER DEPT.	1910167	3	The City of Vernon is in need of a new potable water production facility in order to meet existing water demand conditions and to reduce our reliance on MWD surface water supplies. In the past year alone, the City has been forced to have one of its produc	The City will be drilling a production well (Well 21) at 3200 Fruitland Avenue. This Well will be drilled to a depth of approximately 1400 feet and capable of producing 1500 gal/min. The casing will be approxiamtely 18-inches in diameter and the pump bole	$1,000,000
0	C	45000	VERNON-CITY, WATER DEPT.	1910167	2	The City of Vernon purchased proprerty from the Smurfit Stone Container Corporation, located at 2001 57th Street, in Vernon, CA. Smurfit left two of its industrial wells: herein know as Wells 9 & 10, that were constructed in 2001 and 2004 respectively. Th	The Vernon Production Wells 9 & 10 are needed by the City to meet its daily water demands. The City recently destroyed its Well No. 18 due to groundwater contaminates and its advanced age. This had required the City to purchase MWD surface water to supple	$1,250,000
0	C	45892	City of Brentwood	710004	20	Limited ground water supply is vulnerable to agricultural contamination	Construct a SWTP, treated water pump station, and pipeline to serve treated water to Brentwood	$25,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	46125	CAL/AM WATER COOMPANY - SAN MARINO	1910139	1	The Longden Well is out of service due to nitrate levels that exceed the MCL.	(See attached description, design report, and preliminary plans and specifications).	$600,000
0	C	46125	CAL/AM WATER COOMPANY - SAN MARINO	1910139	2	The Ivar Well is out of service due to PCE levels that exceed the MCL. (See attached data)	Design and construct GAC treatment plant and all other appurtenant piping and equipment.	$850,000
0	C	46242	GSWC - NORWALK	1910098	5	UNABLE TO DISINFECT 2 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	$30,000
0	C	46242	GSWC - NORWALK	1910098	4	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	$600,000
0	C	46242	GSWC - NORWALK	1910098	2	3 STANDBY WELLS AT IMPERIAL SITE HAVE 1,1-DCE > MCL	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT IMPERIAL SITE.	$300,000
0	C	46242	GSWC - NORWALK	1910098	3	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	$320,000
0	C	46242	GSWC - NORWALK	1910098	1	DACE WELL IS OFF LINE DUE TO TCE > 5 PPB	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT DACE SITE.	$300,000
0	C	46362	SUBURBAN WATER SYSTEMS-LA MIRADA	1910059	1	PHASE 1 OF 2: RESERVOIR 408 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 1 OF 2: DEMOLITION AND PREPARATION WORK	$850,000
0	C	46362	SUBURBAN WATER SYSTEMS-LA MIRADA	1910059	2	PHASE 2 OF 2: RESERVOIR 408 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 2 OF 2: REPLACE ROOF	$850,000
0	C	48418	RIALTO-CITY	3610038	1	Roof leaks on reservoirs	Construct new reservoir	$6,000,000
0	C	49000	Soquel Creek Water District	4410017	11	Redwood storage tank is old and leaking - causing water quality and maintenance problems.	Replace reservoir with 500,000 gallon steel reservoir at Vista Del Mar Site.	$520,000
0	C	49000	Soquel Creek Water District	4410017	22	Distribution pipe replacement at Vienna Woods.	Replace pipes.	$1,989,000
0	C	49000	Soquel Creek Water District	4410017	19	Distribution pipe replacement at Monroe Ave.	Replace distribution pipes.	$735,700
0	C	49000	Soquel Creek Water District	4410017	23	Distribution pipe replacement at Shoreview, Wixon and Moosehead.	Replace pipes.	$2,186,000
0	C	49000	Soquel Creek Water District	4410017	10	Additional storage tank needed to meet high demands and prevent water quality problems.	Install reservoir - 50,000 gallon welded steel tank.	$900,000
0	C	49000	Soquel Creek Water District	4410017	1	Refinance of the replacement of tanks and water mains.	Projects were constructed after 7/93--design and permit costs came before 7/93.	$4,000,000
0	C	49000	Soquel Creek Water District	4410017	25	Distribution pipe replacement at Humes and Los Altos.	Replace pipes.	$2,011,400
0	C	49000	Soquel Creek Water District	4410017	17	Transmission main replacement at Huntington and Wallace.	Replace pipes.	$819,300

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	49000	Soquel Creek Water District	4410017	21	Distribution pipe replacement at Rio Del Mar.	Replace pipes.	$866,400
0	C	49000	Soquel Creek Water District	4410017	20	Distribution pipe replacement at La Selva Beach.	Replace pipes.	$2,553,800
0	C	49000	Soquel Creek Water District	4410017	16	Transmission main replacement at Soquel Center and Bridge.	Replace pipes.	$2,021,400
0	C	49000	Soquel Creek Water District	4410017	18	Distribution pipe replacement at Aptos Business District.	Replace problem pipes.	$1,440,000
0	C	49000	Soquel Creek Water District	4410017	24	Distribution pipe replacement at Center St., Rio Del Mar flats.	Replace pipes.	$957,800
0	C	50800	El Toro Water District	3010079	4	No backup sources of supply	Drilling wells and conveyance system	$4,500,000
0	C	50800	El Toro Water District	3010079	5	Deteriorating floating cover	Replacement of floating cover	$4,500,000
0	C	52787	GSWC-SAN DIMAS	1910142	1	3850' OF WATER MAINS LESS THAN 4" IN DIAMETER THAT DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a)	REPLACE UNDERSIZED MAINS OVER A 2 YEARS PERIOD	$385,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	2	Old, substandard mainline	Replace mainline	$1,000,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	4		Construct new well	$800,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	3	Inadequate source capacity	Construct new well	$200,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	6	Inadequate storage	Construct new reservoir	$800,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	8	Inadequate source capacity	Construct new booster facility	$200,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	1	Old, substandard mainline	Replace mainline	$1,000,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	5	Inadequate storage	Design new reservoir	$400,000
0	C	53000	GLENDORA-CITY, WATER DEPT.	1910044	1	Well 7G Vosberg has been out of service for the presence of VOC's since 1980. The shutdown has caused the City to purchase more expensive imported treated water.	Utilize a VOC preliminary study to begin design and eventually construct a treatment facility to have the opportunity to pump from the main basin, offsetting import water costs. FY: 98/99 or 99/00	$800,000
0	C	53000	GLENDORA-CITY, WATER DEPT.	1910044	2	Reliability. A single 20 inch, 77-year old revited steel transmission line is developing a leak history. The City of Glendora receives 70% of its supply through this 3.8 miles main.	Replace the 20" line with a 30" Ductile Iron line with greater volume and pressure for fire protection as well as providing more well water and less reliance on import treated.	$4,500,000
0	C	54496	CALIFORNIA WATER SERVICE - LIVERMORE	110003	1	Contaminated standby well in this system, with Nitrates in excess of the MCL. They operate using a blending to reduce the nitrate concentration delivered to the system.	Stations 10, 12, 17, and 19. Design and construct blending controls to assure proper operation of facilities, so that standards are met at all times.	$120,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	55000	City of Chino Hills	3610036	18		Loop mainlines	$280,000
0	C	55000	City of Chino Hills	3610036	20		Loop mainlines	$160,000
0	C	55000	City of Chino Hills	3610036	21		Construct new main to supply R-22	$45,000
0	C	55000	City of Chino Hills	3610036	1		Construct new 30 in mainline	$1,000,000
0	C	55000	City of Chino Hills	3610036	19		Upgrade Carbon Cyn PRV	$125,000
0	C	55000	City of Chino Hills	3610036	3		Replace undersized transmission line	$1,050,000
0	C	55000	City of Chino Hills	3610036	9		Construct new booster station B-11	$3,125,000
0	C	55000	City of Chino Hills	3610036	15		Construct 2 MG reservoir R22	$1,125,000
0	C	55000	City of Chino Hills	3610036	17		Modify existing booster station B-7	$1,625,000
0	C	55000	City of Chino Hills	3610036	11		Drill 8 to 14 new wells	$5,390,000
0	C	55000	City of Chino Hills	3610036	24		Expand booster B-9 for backup capacity	$1,000,000
0	C	55000	City of Chino Hills	3610036	16		Construct new 24inch transmission line Schaefer Ave	$700,000
0	C	55000	City of Chino Hills	3610036	5		Construct 5 MG reservoir R21	$2,500,000
0	C	55000	City of Chino Hills	3610036	8		Construct new booster station to supply R21	$1,000,000
0	C	55000	City of Chino Hills	3610036	23		Expand boosters B-5 and B-6 for backup capacity	$750,000
0	C	55000	City of Chino Hills	3610036	22		Modify booster B-1	$1,500,000
0	C	55000	City of Chino Hills	3610036	13		Construct new main to Reservoir R-19 and R-20	$475,000
0	C	55000	City of Chino Hills	3610036	12	Inadequate source capacity resulting in service connection limitation	Construct new 24inch main in Central Ave to increase capacity	$775,000
0	C	55000	City of Chino Hills	3610036	14		Construct new main to Reservoir R-23	$65,000
0	C	55000	City of Chino Hills	3610036	10		Replace older transmission mains	$625,000
0	C	55000	City of Chino Hills	3610036	6	Inadequate source capacity resulting in service connection limitation	Construct reservoir R23	$1,125,000
0	C	55900	Petaluma, City of	4910006	1	Paula Lane Reservoir #2 is required to support the current Paula Lane Reservoir. The current reservoir is in a degraded condition and in need of repair, but due to its critical nature to the system it cannot be brought out of service for repair and recoa	The City of Petaluma is proposing to make improvements to its water distribution system to meet existing demand within the pressure zone. Proposed improvements include construction of a 1.6-million-gallon, above-grade, welded-steel, potable water reservo	$2,250,000
0	C	56000	North Marin Water District	2110003	15	Surface WTP lacks emergency power.	STUDY NEEDS, IMPLEMENT AS APPROPRIATE.	$100,000
0	C	57950	CWSC Los Altos Suburban	4310001	2	Inactive wells (21-01, 26-01, 1-02, 25-01) need nitrate treatment.	Design and construct a nitrate treatment facility and appropriate piping system.	$1,500,000
0	C	57950	CWSC Los Altos Suburban	4310001	1	Inactive wells (2-02, 2-03, 6-02, 16-02, 22-01) need nitrate treatment.	Design and construct a nitrate treatment facility and appropriate piping system.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	58000	Olivenhain MWD	3710029	1	The regional imported treated aqueduct system will reach capacity in the year 2000/2001. In order to avoid rationing of treated water and ensure system reliability, a new treatment plant must be built immediately.	Olivinahain has completed all environmental studies and received all state and federal permits for 82 MGD plant. Pilot studies shall be commenced in early summer of 1997.	$30,000,000
0	C	58823	Indio Water Authority	3310020	2	The City of Indios water system is supplied entirely by the Coachella Valley Ground Water Basin. The water system source is derived from 18 ground water wells. The system includes four groundwater production plants that each incorporates two wells at P	The existing Plant 2 site is located on Crown Way. The existing facility consists of Well 2C and Well 2D. Well 2D is located at the Plant 2 facility, while Well 2C is located off-site and pumps to the site. The site also contains a 2 million gallon abo	$10,609,500
0	C	58823	Indio Water Authority	3310020	1		The proposed 4 million gallon reservoir will be constructed at 40' elevation with two new pipelines connecting the reservoir to the existing water distribution lines. The Indio Water Authority (IWA) proposes to award a contract for the first phase of	$10,000,000
0	C	62000	City of Palo Alto	4310009	5	System's ability to utililize stored water needs to be improved.	Construct a new return pipe from Montbello reservoir to pressure zone 1.	$2,000,000
0	C	62000	City of Palo Alto	4310009	8	Needs improvement on transmission lines.	Contract a new intertie to Hetch-Hetchy Division tubes 3 & 4 to add second feed into Hospital Zone.	$1,800,000
0	C	62000	City of Palo Alto	4310009	1	Water mains are aging and need to be replaced. Main breaks cause customer service problems.	Replace water mains.	$2,200,200
0	C	62000	City of Palo Alto	4310009	2	Alternate source of water needs to be constructed.	Extend a SCVWD line from Mt. View to Palo Alto along the Foothill Expressway.	$3,000,000
0	C	62000	City of Palo Alto	4310009	4	More storage is necessary for emergency water supply. Current city wells need repairs and treatment.	Install variable frequency drives and water treatment to connect wells to standby wells.	$1,200,000
0	C	62000	City of Palo Alto	4310009	6	System's water storage needs improvement.	A two million gallon reservoir is needed to improve storage.	$4,000,000
0	C	62100	City of Tustin	3010046	1	Aged reservoir could cause contamination (foothill)	Removing soil from the roof and installation a waterprood cement based slurry on the roof deck. The columns will be repaired by providing additional ties, vertical reinforcement and concrete cover around the columns. Ret.walls will be removed and rep	$476,000
0	C	62100	City of Tustin	3010046	2	Aged reservoir could cause contamination. (Rawlings)	The City is proposing to construct a new concrete reservoir with a capacity of 7.0 MG	$6,600,000
0	C	62100	City of Tustin	3010046	4	Aged Simon Ranch reservoir could cause contamination.	Repairs will consist of installing a new top slab on the existing reservoir along with repairs to the columns and roof beams. A hypalon liner is proposed for the floor and side slopes of the reservoir after the existing roots have been removed and th	$670,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	63188	SUBURBAN WATER SYSTEMS-WHITTIER	1910174	1	PHASE 1 OF 2: RESERVOIR 216 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 1 OF 2: DEMOLITION AND PREPARATION WORK	$950,000
0	C	63188	SUBURBAN WATER SYSTEMS-WHITTIER	1910174	2	PHASE 2 OF 2: RESERVOIR 216 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 2 OF 2: CONSTRUCTION OF A NEW ROOF	$550,000
0	C	64000	MONTEREY PARK-CITY, WATER DEPT.	1910092	8	The City of Monterey Park currently owns, operates and maintains approximately 134 miles of water distribution mains. Many of these mains have been in service since they were originally put into service in the 1920s. In addition to the age of our distri	The proposed project will replace approximately 2 miles of undersized and old water mains per our adopted Water Master Plan. The project will reduce the possibility of water main failures, reduce damage to streets and private property and remove large am	$1,312,000
0	C	64215	Turlock, City of	5010019	1	System has no storage.	Design and construct two above ground water storage tanks and related pump stations	$2,000,000
0	C	65000	CASITAS MUNICIPAL WATER DIST	5610024	3	Pipeline breaks during storm events. Does not comply with Water Works standards.	Coastal pipelione from a location near city of ventura, extending northward and connecting the coastal communities.	$8,000,000
0	C	65000	CASITAS MUNICIPAL WATER DIST	5610024	1	Needs water storage on the Rincon system to comply with Water Works standrads.	Construction of a 2 MG water storage tank on the Rincon Main.	$2,000,000
0	C	65000	CASITAS MUNICIPAL WATER DIST	5610024	5	Casitas Municipal Water District is the primary backup water supply for the Ventura Watershed, which relies completely on local water supply. Casitas' district includes over 65,000 people. Casitas provides water to urban, agricultural and wholesale custom	The project includes the installation of seismic retrofits for two steel reservoir tanks. The Oak View Reservoir tank holds three million gallons of water and is considered a key component of Casitas' distribution and storage system. The Rincon 2 reservoi	$1,000,000
0	C	66000	MANTECA, CITY OF	3910005	3	The water lines in the project area are 6-inch diameter lines that have limited connections to larger water distribution lines. As a result of the limited connections to larger water lines the area experiences low water pressures. The pressure can be le	The Lincoln Water Line Extension involves the installation of 3,850 linear feet of 12-inch water line with 5 connections to existing 6-inch water lines and connections to existing 12-inch lines at ends of the the extention.	$792,000
0	C	66000	MANTECA, CITY OF	3910005	4	This project will replace small diameter water lines that are 80 to 90 years old. The size and age of the water lines result in low service pressures in the area. Some of the pipe materials, wrought and cast iron, can contribute to red water compliants	The project will replace 5,400 feet of small diameter water line (4 inches or smaller) with 6-inch diameter line. 155 service connections will be relocated in the project.	$477,000
0	C	66000	MANTECA, CITY OF	3910005	1	This project will replace small diameter water lines that are 80 to 90 years old. The size and age of the water the water lines result in low service pressures in the area. Some of the pipe materials, wrought and cast iron, can contribute to red water c	The project includes the installation of 200 linear feet of 4-inch water line, 1,450 linear feet of 6-inch water line and 6,900 linear feet of 8-inch water line. 85 water services will be replaced and 134 water services relocated as part of the water lin	$1,769,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	8	Plant #22 is a 2.5 million gallon partially buried all concrete reservoir built in the early 1950s. The reservoir is the only water storage facility on the west side of the service area, which makes it an important source of water generally but an essenti	Though the inspector indicated that costs to repair the reservoir would not be cost effective, the proposed project would include an analysis of the renovation and retrofitting the tank to meet current structural standards, including seismic needs. The la	$5,500,000
0	C	68380	CALIFORNIA WATER SERVICE CO. - PALOS VER	1910104	1	COMPLETELY RELIANT ON MWD AND IT'S SINGLE TRANSMISSION MAIN FOR 90% OF THE WATER SUPPLY.	DESIGN AND CONSTRUCT A SECOND LIFT TRANSMISSION MAIN TO PROVIDE GREATER RELIABILITY OF THIS COMMUNITY'S WATER SUPPLY.	$3,200,000
0	C	70000	LAS VIRGENES MWD	1910225	1	A 14" waterline feeding the Saddle Peak Tank has been subjected to earth movement and landslides. As a result, a temporary above ground pipeline has been installed until funding is available for permanent replacement.	Evaluate the potential new pipe alignments and construct a permanent replacement pipeline. Project involves: Study, Design, and Construction	$1,500,000
0	C	70000	LAS VIRGENES MWD	1910225	2	A 30" pipeline (37 years old) has been encroached on by development of housing tracks. New homes being built over the pipe and large portions of the pipe being covered up to 60 feet in depth.	Install approximately 4 - 5 miles of a replacement pipe in street right of way. Project involves: Study, Design, and Construction	$4,500,000
0	C	75076	VALLEY COUNTY WATER DIST.	1910009	9	Water security improvements needed.	To purchase new and improved SCADA equipment for monitoring of the water system. To install intrusion alarms on all water production and storage facilities to be monitored by the SCADA system.	$400,000
0	C	75076	VALLEY COUNTY WATER DIST.	1910009	11	The District needs to acquire property and construct new storage reservoirs and a booster pumping station to help meet storage requirements for max day and peak hour demands as well as fire flow requirements. The District has an identified need for an add	The District will purchase land and construct two 3.0 million gallon ground storage reservoirs and an affiliated booster pumping station and necessary piping to connect to the existing distribution system.	$3,175,000
0	C	75076	VALLEY COUNTY WATER DIST.	1910009	10	The District currently has approximately 110 miles of water mains, of this approximately 14.5 miles are 4-inch and smaller in size. This equates to 13% of the total system pipes. By replacing these pipelines with a larger size, will improve distribution s	The District will have its Consulting Engineer develop Plans and Specifications for the installation of the required pipelines as well as assist with Project Management. The District will competitively bid out the project, award a contract and inspect con	$2,500,000
0	C	76000	City of Mountain View	4310007	15	The Whisman pump station was upgraded with new drive motors, automated controls, etc.	Design and construction of upgrades of pump station - variable frequency drive motors, automated controls, standby power, etc.	$1,749,000
0	C	76000	City of Mountain View	4310007	6	Certain water mains in the city are old and deteriorating. They are also undersized.	Water main replacement throughout the water system.	$13,900,000
0	C	76000	City of Mountain View	4310007	11		Upgrading older, smaller diameter, and deteriorating mains from 1993-1996.	$2,457,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	76000	City of Mountain View	4310007	13	Automatic valves and a waste cycle were installed at Well #9.	Installed automatic valves, a variable frequency drive, and a waste cycle at Well #9.	$170,000
0	C	76000	City of Mountain View	4310007	1	The city needs two new groundwater wells.	Construction of the wells.	$1,100,000
0	C	76000	City of Mountain View	4310007	2	The city has inadequate storage capacity.	Design and construct two new wells and one new reservoir to meet demand.	$110,000
0	C	76000	City of Mountain View	4310007	8	The City needs to increase water storage capacity.	Construction of a new 2.1 million gallon reservoir.	$2,200,000
0	C	76000	City of Mountain View	4310007	14	Obsolete equipment at the Miramonte pump station was upgraded.	Design and construction of upgrade of Miramonte pump station.	$852,000
0	C	76000	City of Mountain View	4310007	7	The City needs to increase water storage capacity.	Prepare environmental and construction documents to install a new 2.1 million gallon reservoir.	$307,000
0	C	76000	City of Mountain View	4310007	3	Well #18 collapsed so City constructed new well #21 at site of old well #18.	Design and construction of well #21 for pressure zone 1 of water system.	$375,000
0	C	79959	Napa, City of	2810003	4	Inadequate storage.	Construct new 4 MG treated water storage reservoir at the "A" tank site.	$2,000,000
0	C	79959	Napa, City of	2810003	3	Inadequate water storage.	Construct new 5 MG treated water reservoir at the Napa State Hospital site.	$3,080,000
0	C	92870	City of Westminster	3010064	13	WW standard defects. The Orange County Fire Authority is requiring a treatment system be installed to handle the accidental release of chlorine gas at nine well sites and two pumping stations .	Replace gaseous chlorine with on- site chlorine generating stations at 9 well sites and 2 pumping stations thus eliminating the accidental release of chlorine gas.	$330,000
0	C	92870	City of Westminster	3010064	1	WW standard defects Pressure fluctuations in water system.	Install new 12" pipe to improve flow and loop the water system .	$50,000
0	C	92870	City of Westminster	3010064	11	WW standard defects. Leaking and inoperable water main line valves in the water system to improve water system flow and maintain system water quality.	Replace 750 leaking and inoperable water main line valces over a five year period.	$450,000
0	C	92870	City of Westminster	3010064	14	Loss of City's only 10-million gallon capacity storage reservoirs due to rupture in September 1998, resulting in Waterworks Standards violation.	Construct two above-ground steel storage tanks, pumphouse, and associated water lines. Since the proposed project site is on a 2.56 acre, there is space available for construction of a new well.	$5,600,000
0	C	92870	City of Westminster	3010064	3	WW standard defects. Reservoirs (2) built prior to seismic standards.	Perform a seismic study of Reservoir 1 and Reservoir 2.	$100,000
0	C	92870	City of Westminster	3010064	6	Ww standard defects SCADA: Pressure differential between different areas of the City.	Install a SCADA system to improve pressure system wide, accommodate MWD MWDOC and OCWD, and to assist in the "Seasonal Storage Program".	$200,000
0	C	92870	City of Westminster	3010064	10	WW standard defects.Inadequate sized (4") deteriorating water main lines in section of City called "Indian Village".	Replace approx 18,380 feet of 4" water main lines with 8" water main lines to improve water flow and pressure.	$2,678,877

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	94370	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	3	Floating Cover failure at the City's Escondido Reservoir	Provide covered reservoir storage	$4,000,000
0	C	100202	WALNUT VALLEY WATER DISTRICT	1910234	1	LACK OF FLOW-THROUGH CAPACITY AT RESERVOIR SITES CAN LEAD TO NITRIFICATION PROBLEMS IN THE STORED WATER	INSTALL NEW PIPING AND VALVES AT THE RESERVOIR SITES TO FORCE FLOW-THROUGH AND KEEP WATER FRESH	$1,418,000
0	C	100202	WALNUT VALLEY WATER DISTRICT	1910234	2	NUMEROUS DEAD-END MAINS AND INSUFFICIENT FLUSHING FACILITIES IN OLDER AREAS OF THE DISTRICT THREATEN THE RISK OF POOR QUALITY, STAGNANT WATER BEING CONSUMED.	INSTALL CORRECTLY SIZED BLOW-OFF FACILITIES, REMOVE DEAD-END MAINS THAT SERVE NO PURPOSE.	$348,000
0	C	103423	SAN FRANCISCO INT L. AIRPORT	3810010	2	No storage or backup water supply. San Francisco Water Dept. unable to send us water.	Clean and refurbish a fire protection storage tank for ise in an emergency as a potable water source.	$250,000
0	C	103423	SAN FRANCISCO INT L. AIRPORT	3810010	1	No storage or backup water supply for emergency	Clean and refurbish a fire protection storage tank for a potable water storage tank for emergency use.	$250,000
0	C	105831	City of Santa Clara	4310012	2	City needs automated shutoff valves at seven existing reservoirs and needs ground motion sensors and motorized valves.	Purchase and install ground motion sensors and motor activated valves at seven tank outlets. This will include ancillary pipe reconstruction and SCADA expansion.	$1,050,000
0	C	105831	City of Santa Clara	4310012	1	The well heads and related equipment need to be rebuilt.	Demolish and reconstruct 11 well heads.	$1,275,000
0	C	107323	DOWNEY - CITY, WATER DEPT.	1910034	1		Designed and constructed 12 inch water distribution mains.	$414,529
0	C	107323	DOWNEY - CITY, WATER DEPT.	1910034	4		Designed and constructed 12 inch water distribution mains.	$121,851
0	C	107323	DOWNEY - CITY, WATER DEPT.	1910034	2		Designed and constructed 12 inch water distribution mains.	$42,100
0	C	107323	DOWNEY - CITY, WATER DEPT.	1910034	3	Refinance. Low pressure, undersized mains in area bounded by Firestone Blvd., Lakewood Blvd., and Stewart & Gray Rd.	Designed and constructed 12 inch water distribution mains.	$223,263
0	C	107490	VENTURA WATER DEPARTMENT	5610017	11	City's primary source, Ventura River water supply needs to be better utilized on the eastside of city. Large transmission mains do not exist to move water east to west and is operating vary inefficiently.	Design and Construct 8,400 linear feet of 18-inch diameter water transmission pipeline from Main/Callens Road to Telephone/Victoria Ave. Connect existing 18-inch 330 pipeline to existing 30-inch 330 mainline.	$1,818,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	9	Disinfectant being changed from free chlorine to chloramines in 2002. City has 13 zones with varying detention times at different rates. Some tanks have common inlet/outlets and may be prone to nitrification	Design and construct improvements to remove 5 common inlet and outlet tanks or other means to increase mixing in tanks. Purchase 2 potable chlorine disinfection trailers for emergency response.	$507,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	107490	VENTURA WATER DEPARTMENT	5610017	10	Eastside of city has insufficient water supply,treatment reliability & redundant capabilities. Water Outages caused by operational difficulties and/or limited fire supply could occur resulting in Total Coliform Rule violations.	Design and construct, new Saticoy well #3, connect pipelines, upgrade and expand existing Saticoy Fe & Mn TP from 4 MGD to 8 MGD.	$4,735,000
0	C	113880	TORRANCE-CITY, WATER DEPT.	1910213	4	WW standards defect. Old water mains are in need of replacement.	Institute a phased pipeline improvement program to replace pipelines having a history of frequent breaks, are beyond their useful life or are failing due to other external factors such as ccorrosive soils. Project involves: Design, and Construction	$13,208,000
0	C	113880	TORRANCE-CITY, WATER DEPT.	1910213	1	WW standards defect. Reliability of aging Yukon Pumping Station. The Pumping Station should be rehabilitated. The station is below ground and site access and safety are major concerns.	Construct a new above-grade pumping station that complies with current OSHA safety requirements and provides more groundwater pumping capacity. Project involves: Design, and Construction	$1,240,000
0	C	115000	PALMDALE WATER DIST.	1910102	7	Reliability. Dumping into Palmdale Ditch may affect quality of water taken into Palmdale Reservoir. (See Executive Summary of June, 1993 Palmdale Watershed Sanitary Survey.)	Enclose approximately 2000 feet of Palmdale Ditch between Barrel Springs Road and Palmdale Reservoir adjacent to existing development.	$600,000
0	C	115000	PALMDALE WATER DIST.	1910102	1	Poor reliability of leased telephone lines used for SCADA system.	Replace leased lines with broad-spectrum radio communication.	$180,000
0	C	115000	PALMDALE WATER DIST.	1910102	6	Reliability. Dumping into Palmdale Ditch may affect quality of water taken into Palmdale Reservoir. (See Executive Summary of June, 1993 Palmdale Watershed Sanitary Survey.)	Enclose approximately 1000 feet of Palmdale Ditch adjacent to an existing trailer park. Project involves: Design to solve problem, and Construction	$300,000
0	C	121420	Elsinore Valley MWD	3310012	7	Elsinore Valley Municipal Water District (EVMWD) obtains its potable water supplies from local groundwater, local surface water from Canyon Lake, and imported water from the State Water Project and the Colorado River via the Metropolitan Water District of	The UV Disinfection Project (Project) consists of constructing two parallel in-line UV Generators with a capacity of 9 mgd in the finished water piping between the filter gallery and chlorine contact tank at the Canyon Lake Water Treatment Plant for prima	$2,000,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	7	PHASE 2 OF 2: RESERVOIR 130 AND 141 ARE AT THE END OF THEIR USEFUL LIFE AND HAVE STRUCTURAL AND SANITARY CONCERNS.	PHASE 2 OF 2: CONSTRUCTION AND SITE WORK	$900,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	5	PHASE 3 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 3 OF 3: SITE WORK SUCH AS DRIVEWAYS AND TREES TO COMPLETE PROJECT	$350,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	2	2 OUT OF 3 WELLS IN 660 ZONE ARE SHUT DOWN DUE TO WATER QUALITY CONCERNS. REPLACEMENT WELL IS NEEDED TO PREVENT WATER SHORTAGES.	DRILL A 3500 GPM WELL TO REPLACE LOST CAPACITY	$990,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	4	PHASE 2 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 2 OF 3: DEMOLITION OF THE EXISTING RESERVOIR AND CONSTRUCTION OF A NEW 2 MG CONCRETE RESERVOIR	$980,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	3	PHASE 1 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 1 OF 3: CONSTRUCT A 1 MG CONCRETE RESERVOIR	$950,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	1	WELL 105 W-1 HAD RE-OCCURING COLIFORM PROBLEM AND WAS SHUT DOWN FOR TREATMENT. DURING TREATMENT, THE NITRATE LEVEL HAD DEVELOPED TO THE MCL LEVEL.	DRILL A 2000 GPM REPLACEMENT WELL	$975,000
0	C	134996	SUBURBAN WATER SYSTEMS-SAN JOSE	1910205	6	PHASE 1 OF 2: RESERVOIR 130 AND 141 ARE AT THE END OF THEIR USEFUL LIFE AND HAVE STRUCTURAL AND SANITARY CONCERNS.	PHASE 1 OF 2: DEMOLITION AND GRADING	$700,000
0	C	138640	City of Orange	3010027	6	The City of Orange water system currently consists of 16 reservoirs ranging from 0.5 MG to 5.0 MG (million gallons) in capacity. Most of these reservoirs were constructed in the 1970's and were not seismically met the current UBC. As a result, the Water	Up to this year, 5 of the 16 reservoirs had been seismically retrofitted to enhance the ability to absorb seismic forces and movements. The City of Orange Water Division's goal is to upgrade the remaining 11 reservoirs in the next 2-3 years. By complete	$400,000
0	C	138717	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	1	NEED TO ENLARGE CLEARWELLS AND STORAGE TO MEET CT REQUIREMENT AND ACCOMMODATE DAILY FLUCTUATION IN DEMAND	ADD ONE 9 MG CLEARWATER RESERVOIR FOR A TOTAL OF 18 MG STORAGE AT A 65 MGD WATER TREATMENT PLANT	$1,800,000
0	C	146398	CITY OF HAYWARD	110006	44	improve fire suppression capacity and water quality	Replace 8" water line at Golf course Access Rd to loop to existing 12" water line at the Hayward Airport	$655,000
0	C	146398	CITY OF HAYWARD	110006	41	Vulnerability to damage from seismic events	Make miscellaneous seismic improvements on the existing water system.	$500,000
0	C	146398	CITY OF HAYWARD	110006	43	Need to increase fire suppression capacity	Install parallel water line near BART tracks between Haymand St and Whippie Rd	$640,000
0	C	146398	CITY OF HAYWARD	110006	45	improve fire suppression capacity in 330 pressure zone	Install 5,200 LF of new 12" water lines and a new Pressure Regulating Station	$1,205,000
0	C	146398	CITY OF HAYWARD	110006	46	40 year old water mains in poor condition	Replace 900 liniear feet of 8" PVC at Browning & Chrisholm Courts	$144,000
0	C	155000	Santa Margarita Water District	3010101	1	Existing private wells are assumed to be producing ground water under the influence of surface water in San Juan Creek.	Design and construction of new wells, treatment facilities, storage tank and piping systems to serve public and private systems along upper San Juan Creek area.	$6,460,000
0	C	157394	City of Stockton	3910012	8	Decreasing availability of groundwater and current surface water supplies.	Construct new surface water treatment plant to treat Sacramento-San Joaquin River Delta water for Stockton.	$121,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	8	ANALYSIS AFTER DRILLING OF WELL #24 REVEALED HIGH NITRATE AND OTHER CHEMICALS	CONSTRUCT PIPELINE TO TAKE WATER FROM WELL SITE TO MEET MANIFOLD PIPELINE AND THEN TO ANION EXCHANGE NITRATE REMOVAL FACILITY	$160,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	2	ANALYSIS AFTER DRILLING WELL #36 REVEALED HIGH NITRATE AND OTHER CHEMICALS	CONSTRUCT PIPELINE TO TAKE WATER FROM WELL SITE TO MEET MANIFOLD PIPELINE AND THEN TO ANION EXCHANGE NITRATE REMOVAL FACILITY	$222,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	3	WELL #1, 7, AND 8 CONTAIN VOC'S	INSTALL AIR STRIPPERS	$209,500
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	7	NITRATE LADEN WELL WATER	MANIFOLD PIPELINE WAS CONSTRUCTED TO GATHER NITRATE LADEN WATER FROM VARIOUS WELL SITES TO THE ANION EXCHANGE NITRATE REMOVAL FACILITY.	$576,000
0	C	164400	PASADENA-CITY, WATER DEPT.	1910124	1	THE PARTIALLY BURIED, CONCRETE LINED, PRE-1920 SUNSET 1 RESERVOIR IS STRUCTURALLY UNSOUND, UNRELIABLE AND IN GENERALLY POOR CONDITION. IT NEEDS ROOF REPLACEMENT AND SEISMIC AND GENERAL STRUCTURAL UPGRADES.	REPLACE WITH A NEW, BURIED, POST-TENSIONED 7.5 MG CONCRETE RESERVOIR AND MAKE NECESSARY CHANGES TO THE DISTRIBUTION SYSTEM AT THE RESERVOIR SITE.	$5,500,000
0	C	166661	Moulton Niguel Water District	3010073	4	Water works standard defects. Proximity of undersized sewer force main (Crown Valley Pkwy & lower salada)	Constructing a new parallel sewer forceman in Crown Valley Parkway.	$2,000,000
0	C	166661	Moulton Niguel Water District	3010073	8	Reliability of local water supply. Must import 100% currently.	Drill two wells to provide up to 2 cfs of water for health and safety demands during a long term outage.	$2,300,000
0	C	166661	Moulton Niguel Water District	3010073	2	Reliability of aging pjpes(used in looping the system in erroding slopes).	Replace easement pipelines with ductile iron pipe with restraint joints, increasing reliability.	$3,000,000
0	C	166661	Moulton Niguel Water District	3010073	3	Water works standard defects. Proximity of sewer forcemain from Joint Regional Wastewater Treatment Plant.	Construction of a new 24" forcemain in a new safe location.	$3,000,000
0	C	166661	Moulton Niguel Water District	3010073	6	Reliability of 14" main, experiencing aggressive corrosion.	Construction of a new 16-inch parallel pipeline in Crown Valley Parkway.	$4,000,000
0	C	166661	Moulton Niguel Water District	3010073	5	Water works standard defects.Proximity of undersized sewers in Crown Valley Pkwy.		$10,000
0	C	166661	Moulton Niguel Water District	3010073	1	Emergency storage reliabilty deficient in volume.	Construct 100 million gallon drinking water storage facility	$14,000,000
0	C	170000	Sacramento Suburban Water District	3410001	9	Water security improvements needed.	The District utilizes portable diesel generators at a number of key well sites to provide backup power. The portable generators are connected to the motor control center (MCC) at each well site using conductor cabling that is simply coiled on the ground.	$175,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	170000	Sacramento Suburban Water District	3410001	15	In 1986, the Sacramento Suburban Water District (District) purchased the former Arvin Water Company (Arvin). Arvin was a privately owned water company consisting of approximately 3,800 accounts made up of single-family residential, multi-family residenti	Since the early 1990's, the District has made improvements to mitigate the problems in the Arvin system. One such improvement was to construct and install new transmission mains to assist in circulating water from north to south and west to east in the A	$4,100,000
0	C	170000	Sacramento Suburban Water District	3410001	12	In 1998, Sacramento Suburban Water District took over operation of the water system within McClellan Air Force Base (AFB). McClellan AFB officially closed on July 13, 2001, and is now within the control of the County of Sacramento. The former air force	The proposed project consists of a 3 million gallon (MG) above-ground steel storage tank/reservoir, a booster pump station, a backup emergency generator, chemical feed facilities, paved surfaces within the site, and fencing and landscaping around the site	$5,000,000
0	C	170000	Sacramento Suburban Water District	3410001	10	The proposed project is located in the northeast portion of the District's North Service Area. This area is higher in altitude than the surrounding area and there is no well source. Surface water is available to the District's North Service Area through	The proposed project consists of a 3 million gallon (MG) above-ground steel storage tank/reservoir, a booster pump station, a backup emergency generator, chemical feed facilities, paved surfaces within the site, and fencing and landscaping around the site	$5,000,000
0	C	170000	Sacramento Suburban Water District	3410001	8	In the late 1990's, The Sacramento Suburban Water District (District) increased its service area by acquiring a small service area along the south boundary of its South Service Area in Sacramento, California. The area is bounded by Northrop Avenue on the	The District proposes to design and construct new pipeline facilities within the streets of the Sierra Oaks Vista area. The proposed design includes valves, properly spaced fire hydrants as set forth under guidelines of the local fire department, new met	$15,200,000
0	C	170000	Sacramento Suburban Water District	3410001	18		The District has a number of key well sites where site security could be greatly improved. The District proposes to install up to two 20' tall light standards with security cameras at these key well sites. The lights and security cameras would be wired	$250,000
0	C	170000	Sacramento Suburban Water District	3410001	16	The Greenback Woods subdivision is located in the northeast portion of the District's North Service Area. Currently, during periods of sustained and extreme hot weather conditions over multiple years, this neighborhood experiences pressure below 35 psi,	A pre-design study prepared by a local engineering consultant has recommended two new transmission pipelines to connect with a tee to an existing 30-inch pipeline at the intersection of Verner Avenue and Flaming Arrow Drive. One branch is a 16-inch diame	$1,500,000
0	C	170000	Sacramento Suburban Water District	3410001	17	The Sacramento Suburban Water District (District) Island Area is located along the west side of the District's South Service Area in Sacramento, California. The Island Area is an isolated service area from the District's South Service Area. The location	Based on the District's hydraulic model and an Island Area Distribution Study, various improvements are required to maintain the water system in the Island Area. The most important improvement is to enhance the source water delivered into the Island Area	$2,100,000
0	C	190800	Marin Municipal Water District	2110002	2	Floating cover does not meet seismic standards.	Replace floating cover and configuration.	$1,000,000
0	C	190800	Marin Municipal Water District	2110002	1	Older redwood tanks do not meet seismic standards.	replace any average two tanks a year. With other types of storage,	$3,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	200000	Contra Costa Water District	710003	7	Repair water storage facilities that are causing distribution pressure and reliablity problems.	Nineteen storage projects will be implemented over a ten year period to severe existing customers.	$40,600,000
0	C	200000	Contra Costa Water District	710003	3	Construct new raw water intakes and pipelines to be seismic resistant.	Construction of a new 48-inch diameter pipeline parallel to the existing pipeline and a new inlet structure.	$1,700,000
0	C	200000	Contra Costa Water District	710003	8	Repair aging water mains that are causing distribution leak and pressure problems.	Replace mains on a prioritized basis.	$2,000,000
0	C	200000	Contra Costa Water District	710003	15	Significant leakage history. Undersized fire service capacity; corrosion problems.	Replace existing pipes which experience significant leak repair incidents; or undersized fire flow and distribution capacity; relocation of existing pipelines as legally required.	$9,844,000
0	C	200000	Contra Costa Water District	710003	6	Rehabilitation distribution reservoirs that have structural deficiencies.	Plan, design and construct structural improvements.	$7,000,000
0	C	201000	City of Huntington Beach	3010053	9	Lack of Water source capacity.	Construct a replacement well facility . Proposed Well No. 12 is located in the vicinity of Peck Reservoir, where it is anticipated the water will be stored.	$2,000,000
0	C	201000	City of Huntington Beach	3010053	7	Aged Overmyer reservoir could cause contamination.	Undertake structural improvements to bring the facility up to seismic standards.	$3,000,000
0	C	201000	City of Huntington Beach	3010053	6	Lack of storage capacity	To develop additional reservoir facilities City-wide to make up the shortage of water storage capacity. This project will add approximately 10.4 million gall. of storage capacity, booster pump connection to the transmission main at a new reservoir si	$10,000,000
0	C	201000	City of Huntington Beach	3010053	5	Aged OC-9 OC-44 turnouts.	Construct flouridation system for two of the facilities (No 9 and No 44) and modify the existing facility (No35) to meet current requirements.	$600,000
0	C	201000	City of Huntington Beach	3010053	4	Lack of backup power at 6 well sites.	To construct emergency back-up systems for Well nos. : 5, 6, 9, 10, and 1. Also Emergency generator for Dyke Well(electric well)	$400,000
0	C	201000	City of Huntington Beach	3010053	3	Lack of cathodic protection to metallic pipelines.	Installation of water treatment facilities at these well sites (possibly ozone or RO systems) should reduce or eliminate these problems.	$5,000,000
0	C	201000	City of Huntington Beach	3010053	8	Defects on the existing chlorination facilities.	Modify the existing facilities and systems to meet code requirements and the City's standardized system wide chlorination requirements for existing and new facilities.	$900,000
0	C	201000	City of Huntington Beach	3010053	1	Aged and defected main distribution lines.	Water main replacement projects to replace old and deficient pipelines at various locations throughout the City.	$2,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	291398	Riverside, City of	3310031	2	The following table shows the range of the historical maximum concentration of contaminants in the project area.Contaminant Historical Maximum Range Maximum Contaminant Level (MCL) From To Dibrmochloropropane (DBCP) (ug/L) 0.02 7.62 0.2Nitrate, NO3 (	This project consists of maximizing the use of Palmyrita Well by providing treatment for nitrate at the existing regional Palmyrita Water Treatment Plant (PWTP). The PWTP currently treats four wells for the removal of dibromochloroproane (DBCP) using gra	$5,700,000
0	C	324796	Alameda County Water District	110001	5	The Tamarack zone is an upper zone without a storage tank	Construction of a new storage tank	$1,750,000
0	C	324796	Alameda County Water District	110001	6	Patterson Reservoir facilities are old and does not meet the current user demands	Upgrade inlet/outlet to improve mixing and turnover rate to reduce nitrification & improve water quality	$830,000
0	C	324796	Alameda County Water District	110001	1	Replace the existing aging infractructure by upgrading the Niles Alley Pipeline	Replace the existing aging infractructure by upgrading the Niles Alley Pipeline	$1,000,000
0	C	457511	FRESNO, CITY OF	1010007	20	The 1996 Fresno Metropolitan Water Resources Management Plan identified the need to construct a water storage and pumping facility within the City of Fresno's (City's) southeast service area. Soil lithologies and low yields of existing wells indicate tha	In meeting California Water Works Standards and Fire Codes related to peak water demand periods, fire suppression, and system pressure requirements for current and future developments within the City of Fresno's (City's) southeast service area, the City h	$4,000,000
0	C	998000	San Jose Water Company	4310011	3	Need to accelerate pipeline replacement rate.	Replace 20 miles of aging water mains.	$20,000,000
0	C	1256951	San Diego - City of	3710020	55	Miramar WTP clearwell no. 2 does not comply with seismic code and suffers form considerable structural damage and needs to be replaced.	Demolish 30 million gallon clearwell no. 2 and replace with new prestressed concrete tanks which complies with current seismic code.	$20,000,000
0	C	1256951	San Diego - City of	3710020	57	RB pump station upgrade is needed to supply the current and projected demand growth in the 793 zone. The existing pump station is operating at capacity and is currently using all its four regular duty pumps and its one back-up pump tp meet existing deman	The RB pump station upgrade project includes the addition of pumping capacity to the existing 25 mgd capacity pump station.	$8,000,000
0	C	1300000	East Bay MUD	110005	23	Upper San Leandron Pilot Filter Rebuild. Existing filters operate poorly and show signs of problems including poor backwash and cleaning. This may cause problems with filtration if not corrected.	Rebuild one filter at Upper San Leandron Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs and the addition of air scour.	$472,000
0	C	1300000	East Bay MUD	110005	7	Open-cut Reservoir Rehabilitation - collasped pond water contaminated the public water supply below the roof in the reservoir.	Modifying Piedmont, Summit and Estates Reservoir roofs. Remove the decorative pond. Double contaminent and inspection and testing of non-potable structures will be provided.	$1,134,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1300000	East Bay MUD	110005	8	RESERVOIR REHABILITATION PROJECT - SCREEN INSTALLATION. THERE IS A NEED FOR RESERVOIRS TO HAVE IMPROVED ON-SITE SAMPLING AND DISINFECTION FACILITIES TO PREVENT MICROBIAL CONTAMINATION.	INSTALL RESERVOIR OVERFLOW SCREENS. IMPROVE RESERVOIR SAMPLING AND CHLORINATION FACILITIES.	$2,500,000
0	C	1300000	East Bay MUD	110005	26	Upper San Leandro Filter Valve Replacement. Cross contamination can occur resulting from leaking valves.	Replace forty valves at Upper San Leandro Water Treatment Plant. These valves include 20" filter valves, 20" washwater valves and 8" re-wash valves.	$1,700,000
0	C	1300000	East Bay MUD	110005	25	Upper San Leandro Improvements. Existing filters operate poorly and show signs of problems including poor backwash and cleaning. This may cause problems with filtration if not corrected.	Rebuild nine filters at Upper San Leandro Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs ad the addition of air scour.	$3,275,000
0	C	1300000	East Bay MUD	110005	27	Hypochlorite Pump Improvements. All EBMUD Water Treatment Plants. New Hypochlorite feed pumps need to be installed at exisitng feed systems for all WTP's to improve reliability.	New Hypochlorite pumps will be installed in the existing disinfection systems to improve reliability as a result of this project.	$700,000
0	C	1300000	East Bay MUD	110005	24	Sobrante Water Treatment Plant Filters Improvement. Existing filters operate poorly, and show signs of problems including poor backwash and cleaning. This may cause problems with filtation if not corrected.	Rebuild 4 filters at the Sobrante Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs, and the addition of air scour.	$3,000,000
0	N	25	Uvas Canyon County Park	4300616	1	Replace storage tank and well pump.	Replace 22,000 gallon redwood tank and well pump to provide additional water quality protection.	$75,000
0	N	25	Almanor Heights MWC	3200139	1	The existing 40 year old 25,000 gallon steel bolted tank has deteriated due to rust problems. We intalled a PVC liner 16 years ago but now rust on the spider rods and tank top, along with pin holes are beyond repair. Documentation, both written and photog	We wish to replace our 25,000 gallon steel bolted tank that is 40 years old and has rust problems on the interior. We would like to replace this with a 50,000 gallon steel bolted epoxy lined tank which would provide adequate and improved water supply and	$163,000
0	N	25	Ponderosa Guest Ranch	3601016	1	Inadequate source and storage capacity, old mainline	Construct new storage tank, rehab well, replace mainline	$2,500,000
0	N	25	SILVER CREEK SUMMER HOME TRACT	3103666	1	The drinking water for Silvercreek poses a serious health risk to consumers. The untreated community well services 23 dwellings. Water samples, analyzed at the entry point in the system, are high in arsenic, above the EPA's MCL. This is exacerbated by	To bring arsenic into compliance, under the MCL of 10ug/L, would require installation of new treatment technology and possibly utilizing a new water source or blending water sources. All scenarios require replacement and upgrading of the storage and dist	$211,000
0	N	30	RAGSDALE WATER	3301526	1	We are developing a new water system and creating a mutual water company that will provide quality drinking water and fire flow for community growth.	To be determined	$2,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	N	50	CHURCH OF THE GOOD SHEPHERD WS	2702050	1	Water tanks are rusting and tank pads are not structurally sound.	Replace tanks and pads.	$50,000
0	N	50	MOOSE CAMP	4500017	1	We have had inflitration caused by low water pressure, backflow from users, leaking old pipe lines, stagnation from ends of lines, and possibly repairs to the system. We seldom but on occaission have not passed our water tests due to the detection o	The current system consists of two 20 gpm wells that are about 20 years old, a 10,000 gallon above ground storage tank, 10,000 feet of very old (40 to 60 years old) 2 and 3 inch failing steel pipe serving 52 houses with the potential of about 70 tota	$170,000
0	N	50	Sonoma County Parks-Putnam Park	4901223	1	Need well, distribution lines, water pumps, chlorinator and tank replacement.	Replace well, distribution lines, water pumps, chlorinator and tank.	$125,000
0	N	100	CAMP EL-O-WIN	1000166	1	ALL WATER LINES ARE INSTALL ABOVE GROUND AND ARE SUBJECT TO FREEZING, BREAKAGE AND CONTAMINATION.	BURY ALL WATER LINES BELOW THE FREEZE LINE.	$20,000
0	N	100	CHRISTMAS COVE COMPANY	4000642	1	Low well production and source capacity which does not meet Water Works standards.	Drilling a new well and providing a new storage tank with automatic chlorination, filtration and water softener.	$25,000
0	N	120	Thousand Pines Amer. Ctr.	3600585	1	Multiple leaks in distribution system	Replace water mains to comply with waterworks standards	$60,000
0	N	120	SHERMAN ACRES MUTUAL WATER ASN	500028	1	Water system is composed of aging PVC pipe installed in the early 70s with volunteer labor. The system was poorly designed and is not looped per modern construction standards. There are multiple dead end lines without adequate flush outs/blow-offs.	Project will consist of two phases:1. Replacement of water mains - all mains (approx 8500) will be replaced with modern pipe and the system will be engineered and designed to meet all modern codes and standards.2. Development of a back-up well - a se	$2,000,000
0	N	125	CAMP ST NICHOLAS WATER SYSTEM	1502249	1	LARGER STORAGE TANK, A NON-ELECTRIC PUMP ALTENATIVE BACK-UP SYSTEM	MORE CAPACITY & FIRE PREVENTION FOR CAMP	$35,000
0	N	150	Walden West	4300764	1	Steel tank needs minor repairs. System also needs to have cross-connection test performed.	Have cross-connection test performed. Install meters. Repair steel tank - some structural modifications, new access hatch, enhance roof vent/ladder, etc.	$10,000
0	N	170	Camp Ta Ta Pochon	3600537	1	Rock and mortar tank is not rodent proof	Construct new storage facility	$50,000
0	N	194	Plumas-Eureka S.P.	3210300	1	Currently, the Plumas Eureka State Park main water line is exposed where it crosses Jamison Creek. The line was buried in an aluvial creekbed back 10 years ago and with winter runnoff and summer storms, it has become exposed. When runnoff occurs, large	We would like to re-locate the existing water line so it no longer crosses Jamison Creek. We propose to take the main line where it currently comes down from the storage tank and run it under an existing park road, thru a parking lot and then where it cr	$250,000
0	N	200	CYPRESS COMMUNITY CHURCH WS	2702030	1	One 15,000 gallon tank needs to be replaced. Another one is desired for additional storage.	Remove old tank, replace with a new one, and add an additional tank along with necessary water lines.	$15,000

SRF Category **M**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	N	240	MOUNTAIN VALLEY COMMUNITY CHURCH	1000573	1	The funds requested are to cover the costs of installing a flow meter to monitor water usage and pay for the pump house that protects water source 01 well head, pressure tank and piping from freezing during the winter months.Squaw Valley, California is an	California Department of Public Health notified all water systems that they strongly recommend that a totalizing flow meter be installed as soon as possible to be monitored on a regular basis. The church operates totally on donations and would appreciate	$10,000
0	N	250	De Benneville Pines Inc	3600534	1	Old, substandard mainline	Replace mainline	$245,000
0	N	250	Sonoma County Parks-Vet. Memorial Beach	4901222	1	Need well, distribution lines, water pumps, chlorinator renovation.	Replace well, distribution lines, water pumps, chlorinator renovation.	$110,000
0	N	280	SPRING CREEK TRACT ASSOCIATION	900506	1	SCTA's water distribution system which was installed in 1954 is experiencing an increasing number of leaks. Our leak repair program will soon not be cost effective because of the large number of leaks. The repairs cannot always be made in a timely manne	To replace the aging distribution system using larger pipe to increase flows for fire protection.	$685,000
0	N	312	LOWER LINE CREEK IMPRVMNT ASSN	1000080	1	TWO WELLS DO NOT PRODUCE ENOUGH WATER IN LATE SUMMER DURING DRY YEARS.	CONSTRUCT NEW WELL(S).	$10,000
0	N	400	BSA/CAMP CHAWANAKEE	1000165	1	THE TANKS ARE OLD AND RUSTED.	INSTALL A 60,000 GALLON STORAGE TANK AND PIPELINES.	$250,000
0	N	440	CAMP FRESNO WATER SYSTEM	1000170	1	THE WATER SYSTEM IS ABOUT 70 YEARS OLD AND THE ENTIRE DISTRIBUTION SYSTEM NEEDS TO BE REPLACED.	REPLACE THE OLD EXISTING STEEL PIPE AND VALVING.	$110,000
0	N	440	CAMP FRESNO WATER SYSTEM	1000170	2	Camp Fresno is a family oriented facility located along Dinkey Creek in the Sierra Nevada Mountains, in Fresno County, California. Since 1926, the City of Fresno has held a lease agreement with the U. S. Forestry Department for Camp Fresno, a 34 a	The project will include engineering and development of plans and specifications, and the construction and installation of a new water distribution system to serve Camp Fresno, including fire hydrants. The project will remove the current deteriorated two	$200,000
0	N	2500	South Yuba River State Park	2905001	1	Currently the S. Yuba watersystem operates on a demand basis. We do have 3 pressure tanks installed in the system but we do not have any treated water storage. When we have power failures effecting the well, we must use a portable generator to power the	We propose to install an 25,000 gallon water storage tank on the hill next to S. Yuba River State Park. This park has a visitation of up to 2,500 visitors per day during the summer months and is currently only has 3 pressure tanks installed in the water	$500,000
0	P	25	NEW CAMALDOLI HERMITAGE WS	2702268	2	We have two spring sources to supply our water needs. However, a few years ago one of the two springs began to test positive for coliforms in violation of the “Surface Water Treatment Rule.” The positive coliform results are due to surface water contamina	Our proposed filtration/chlorination treatment system is multibarrier consisting of a two stage filtration system and chlorine disinfection system. The total system will be designed to remove and inactivate water borne pathogens, including Giardia, Crypto	$90,000
0	P	35	CHINESE CAMP SCHOOL	5500148	1	only one active source. History of contaminants in area.	one approved source	$100,000
0	P	40	HARRISON RD WS #01	2700592	1	Storage tank is rusted.	Replace storage tank.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	40	SIERRA SCHOOL	5400638	1	Sierra School has 2 wells next to each other with a pump for each well. Both wells are over 700 feet deep. We are only able to obtain 1 gallon/minute from the two wells combined. Often, especially during the summer months, one well will dry up, and a s	DWP funds will be used to drill a 4 inch well of approximately 1,000 feet in depth. Funds will also be allocated to determine the location of underground water and avoid, if possible, having to drill through the rock that is usually found at various dept	$500,000
0	P	50	MANTECA INDUSTRIAL PRK CSA-30	3901322	1	STAND-BY WELL HAS NITRATE IN EXCESS OF MCL	CONSTRUCT TREATMENT FACILITY. OTHER = DESIGN AND CONSTRUCTION	$600,000
0	P	64	Spring Hill High School	2210911	1	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
0	P	79	KINGS CANYON HIGH SCHOOL	1000316	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible	$200,000
0	P	85	SIERRA WALDORF SCHOOL	5500242	1	only one approved source	only one approved source	$1,500,000
0	P	93	MUSD - Catheys Valley Elementary School	2210907	1	Th existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
0	P	100	LINDEN USD-GLENWOOD SCHOOL	3900756	1	SYSTEM HAS ONLY ONE WELL.	DRILL NEW WELL AND INSTALL PUMP AND TANK	$45,000
0	P	120	Westminster Woods Camp	4901095	2	Westminster Woods Camp and Conference Center 501(C)(3) non-profit organization that strives to use our own resources when we have them available. We work hard to maintain the systems that are in place, so our guests receive the most hospitable and welcomi	Our current distribution center features two 10,000 gallon redwood tanks that are nearing failure due to leaks and overall aging of the tanks. This project would consist of constructing either one large, 60,000 gallon storage tank or two smaller 30,000 ta	$100,000
0	P	122	COULTERVILLE - GREELEY HILL SCHOOL	2210908	1	The existing water system has only one hardrock well. An additional well is needed to supplement the existing well.	The proposed project consists of the construction of a new well.	$200,000
0	P	125	CLOVER FLAT ELEMENTARY SCHOOL	3702364	1	"Systems well is not properly located ..."	drill new well	$75,000
0	P	150	CALVARY CHURCH INC WS	2700703	1	Need additional storage and to replace water mains.	Install seven tanks and 3000 feet of pipe.	$60,000
0	P	150	HELM SCHOOL	1000186	1	The School is supplied water from one well that if it goes out due to drought conditions would need another well.	If current well goes out, a new well or consolidation with a larger system would be needed.	$200,000
0	P	200	DUNLAP SCHOOL	1000184	1	School is supplied water from one well, if it goes out due to drought conditions a new well would be needed.	New well or inconnection with larger system if possible.	$200,000
0	P	200	CAMP JONES GULCH	4100538	3	YMCA Camp Jones Gulch has a perennial problem with lack of an adequate water supply.	Drilling a new well and providing pumping stations and pipeline to move water approximately 1 mile.	$50,000
0	P	200	PINE RIDGE SCHOOL	1000111	1	Single well, if it fails, the system is out of water	Drill a new well or interconnection if possible.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	200	DRY CREEK ELEMENTARY SCHOOL.	3100077	1	Needs second well to ensure reliability.	Scope and analyze recommendations. Recase or redrill a well.	$25,000
0	P	200	MONROE SCHOOL	1000192	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible.	$200,000
0	P	203	NAVELENCIA SCHOOL	1000193	1		New well or interconnection to another system, if possible	$200,000
0	P	212	JOHN S WASH ELEMENTARY SCHOOL	1000293	1		New well or interconnection to another system, if possible.	$200,000
0	P	236	TERRY SCHOOL	1000198	1		New well or interconnection to another system, if possible.	$200,000
0	P	240	ALVINA SCHOOL	1000181	1		New well or interconnection with another system, if possible.	$200,000
0	P	250	SIERRA VIEW SCHOOL	2000846	2	The Sierra View Elementary School water system has the following deficiencies;1. The system has one well only, so there is no backup2. The system has no potable water storage tank3. The system has no hydrotank4. The system has no seperation betwee	The proposed new system would include the following;1. The addition of a new well and submersible pump2. The addition of a 20,000 gallon domestic water storage tank3. The addition of a 3,750 gallon hydrotank4. The addition of a irrigation booster	$257,000
0	P	250	AMERICAN UNION SCHOOL	1000204	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible	$200,000
0	P	257	RIVERVIEW SCHOOL	1000196	1		New well or interconnection with another system, if possible.	$200,000
0	P	260	LATON HIGH SCHOOL	1000189	1		New well or interconnection with another system, if possible.	$200,000
0	P	310	HOUGHTON-KEARNEY SCHOOL	1000206	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to a nearby system, if possible.	$200,000
0	P	347	LONE STAR SCHOOL	1000190	1		New well or interconnection to another system, if possible.	$200,000
0	P	368	CENTERVILLE SCHOOL	1000104	1		New well or interconnection with another system, if possible.	$200,000
0	P	370	ROOSEVELT ELEMENTARY SCHOOL	1000208	1		New well or interconnection to another system, if possible.	$200,000
0	P	390	COARSEGOLD SCHOOL	2000611	1	Coarsegold Elementary School is in need of additional water storage for fire suppression. There is a need for a storage tank and a pump. The school also needs a new well for drinking water for students and staff at the school. No drinking water standard,	The project would include installation of a water storage tank and pump for fire suppression purposes at Coarsegold Elementary School and a new well at the school to supply drinking water for students and staff.	$325,000
0	P	410	ORANGE CENTER SCHOOL	1000276	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible.	$200,000
0	P	490	PACIFIC UNION ELEMENTARY SCHOOL	1000194	1		New well or interconnection with another system, if possible	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	511	INDIANOLA SCHOOL	1000187	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection with another system, if possible.	$200,000
0	P	550	WASHINGTON COLONY SCHOOL	1000285	2		New well or interconnection to another system, if possible	$200,000
0	P	567	GREAT WESTERN SCHOOL	1000185	1	School is supplied by one well that if it goes out due to drought conditions will be out of water.	Drill a new well or if possible connect to a larger system	$200,000
0	P	578	ALTA SCHOOL	1000180	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection with another system, if possible.	$200,000
0	P	595	CURTIS CREEK ELEMENTARY SCHOOL	5500152	3	only one approved source	only one approved source	$100,000
0	P	750	PENN VALLEY SHOPPING CENTER WATER SYSTEM	2900532	1	Single well source lacks reliability.	Hook into the NID treated water system. Abandon the present well.	$140,000
0	P	780	SUN EMPIRE SCHOOL	1000201	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible.	$200,000
0	P	900	MADISON ELEMENTARY SCHOOL	1000105	1		New well or interconnection with another system, if possible.	$200,000
0	P	1000	PALM SPRINGS AERIAL TRAMWAY	3301494	1	The Palm Springs Aerial Tramway (PSAT) is a Special District created by a special act by the state of California. PSAT provides aerial tramway transportation from the Valley Station (in Palm Springs) to the Mountain Station (in the San Jacinto mountains)	PSAT would like to remove the current Valley Station drinking water storage tank and replace it with 2 new 25 x 20 73.5kg drinking water storage tanks. The purpose of having 2 storage tanks is to continue providing safe drinking water to customers if t	$267,038
0	P	1500	BRANCH CENTER	3400180	1	Due to contamination, wells were shut down. Temporarily, the water is being provided through inter-tie with Citizens. Pressure loss is very large and no emergency water storage is available.	Construct 500,000 g water storage tank with a 1,500 gpm booster station facility. Involves design and construction.	$500,000
0	P	2000	EISENHOWER MEDICAL CENTER	3301238	1	10,000 gal. Cistern - 20 years old - below ground level. Walls leaking - needs new above ground steel tank.	Planning on erecting above ground steel tank - small pumping station.	$50,000
0	P	2225	SELMA HIGH SCHOOL	1000367	1	School is supplied water from only one well. If the well fails, a new well would be needed.	New well or interconnection to another system, if possible.	$200,000
0	P	4000	COLLEGE OF THE DESERT	3301155	1	System is in need of new piping, lines, and backflow devices.	Install new.	$900,000
0	S	17	COSUMNES RIVER INDIAN ASSOC	3400168	1	Storage tank is too small, low pressure, needs a second well.	New pump and piping, larger storage tank and valves.	$83,000
0	S	25	COLUMBIA HILLS APARTMENTS	5500354	2	only one approved source	only one approved source	$100,000

Total Projects for 'Category' = (1933 Projects) **Total Costs for Category:** ***$3,306,332,687*** **Total Population served in Category:** ***81,324,637***

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
40	C	300	Blythe - Hidden Beaches	3301630	1	Groundwater source quality problems (TDS, iron, and manganese) and insufficient storage capacity. (see attached documentation)	Construct a transmission main pipeline connection of the water system to the City of Blythe water system.	$6,716,000
25	C	70	Westport County Water District	2300730	2	Fe & Mn above secondary standards	Install treatment to remove Fe & Mn to below secondary standards	$500,000
25	C	220	CAMP OWEN WATER SYSTEM	1502315	1	HIGH LEVELS OF IRON, TURBIDITY AND DBCP ARE PRESENT IN 1 OF OUR 3 WELLS MAKING IT UNUASBLE. SEVERAL SMALL LEAKS IN OUR 32,000 GAL. WATER TANK. NOTE: DBCP NOT PRESENT IN SAMPLES SUBMITTED.	INSTALL FILTRATION AND WATER CONDITIONING SYSTEM AT THE SITE OF THE EAST WELL SO THAT IT CAN BE UTILIZED. REPLACE/REPAIR WATER STORAGE TANK.	$60,000
25	C	300	Newell County Water District	2500801	1	Iron and manganese level in existing wells exceeds the MCL for iron and manganese. Distribution system leaks extensively.	Drill new wells in a strata that meets the MCL for iron and manganese. Replace failing distribution system.	$275,000
25	C	950	CWS SQUIRREL MOUNTAIN WATER SYSTEM	1510044	1	HIGH IRON AND MANGANESE IN WELL. CURRENTLY HAULING WATER INTO CUSTOMER.	INSTALL IRON AND MANGANESE REMOVAL PLANT. OTHER - DESIGN AND CONSTRUCTION	$250,000
25	C	1500	Trinity Co. W.W. Dist #1	5310002	1	Habitual reoccurrence of taste and odor problems associated with iron and manganese. Numerous taste and odor complaints.	Provide for iron and manganese treatment system. Design and install temperature control devices at raw water reservoir.	$1,300,000
25	C	6800	Castroville Community Services District	2710005	1	Sea water intrusion close to main well	Drill new well deeper or further from intrusion area	$500,000
25	C	12200	Olivehurst Public U.D.	5810003	1	District wells exceed secondary drinking water standards MCL for iron and manganese. Also has hydrogen sulfide.	Construct 3MGD well head treatment plant for iron, manganese, hydrogen sulfide, and methane gas removal. Install approximately 3500 feet of 12" water main from new treatment plant to service area.	$1,000,000
25	C	15000	Fruitridge Vista Water Company	3410023	2	Wells are contaminated.	Construct manganese removal facilities and abandon existing wells. May be used for emergency purposes.	$5,000,000
25	N	25	River Land Resort	3600365	1	High Iron and Manganese, Inadequate storage	Construct treatment facility, Construct tank	$100,000
25	N	75	STRAWBERRY CAMPROUND	400138	1	Water is high in iron and manganese due to shallow well. Shallow wells are required since there is no electricity available. Wells (2) have to be operated with hand pumps.	Deepen wells and bring in electrical connections.	$165,000
25	P	35	MJUSD-Arlington Elem. School	2500513	2	The manganese level in the existing well exceeds the MCL for manganese.	Drill a new well in a strata that meets the MCL for manganese.	$44,850
25	P	145	DELTA ISLAND ELEMENTARY SCHOOL	3900713	1	EXTREMELY HIGHLY MINERALIZED WATER. (ESSENTIALLY NOT POTABLE)	REIMBURSE FOR TREATMENT INSTALLED	$10,000
20	C	60	FAIRWAY DOWNS MUTUAL WATER CO	5800572	2	Well for this system has very high iron and manganese levels.	Install iron and manganese filtration system for removing these secondary standard constituents.	$73,000
20	C	100	HOOD WATER MAINTENCE DIST	3400101	2	Two wells exceed drinking water standards for iron and manganese.	Construct a 250,000 gallon water storage tank. Involves design and construction.	$250,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	100	HOOD WATER MAINTENCE DIST	3400101	1		Construct an iron and manganese treatment facility and construct a 1,000 gpm well with iron and manganese treatment. Involves design and construction	$300,000
20	C	164	VIERRA ESTATES WS	2702007	1	System exceeds the iron and manganese MCL's.	Physically consolidate with Normco Division. Install 7000 feet of piping to make the connection.	$225,000
20	C	320	Lassen County Water District #1	1810003	1	Fail secondary drinking water standards for iron and manganese.	Purchase and installation of filters to remove the iron and manganese.	$210,000
20	C	649	TUD - Mono Village Water System	5510019	1	EXCESSIVE IRON AND MANGANESE IN FOUR WELLS.	INSTALL TREATMENT SYSTEMS FOR REMOVAL OF IRON AND MANGANESE.	$162,000
20	C	700	RIV COUNTY SERVICE AREA #62	3301577	1	TDS is 1600 mg/l and the iron and manganese are high. Groundwater source water quality violations. Insufficient storage reservoir and booster pump station capacity. CSA # 62: See attached	Install filtration treatment units. Construct new storage reservoir and booster pump station.	$10,000
20	C	1785	Plumas Eureka CSD	3210011	1	Excessive iron and manganese concentrations in the source water.	Construction of water treatment facilities.	$600,000
20	C	5250	City of Williams	610004	1	Excessive manganese levels in ground water (166 ug/l). State limits are 50 ug/l. These levels are our major cause of hardness.	Design green sand filter system to treat water from three wells.	$30,000
20	C	5250	City of Williams	610004	2	Excessive manganese levels in ground water (166 ug/l). State limits are 50 ug/l. Also causing hard water.	Purchase and have installed green sand filters and related equipment.	$3,000,000
20	C	5250	City of Williams	610004	4	failing wells, productivity;water quality inferior; health and safety issues	upgrade system capacity; identify and develop well on new site to include storage facility; conduct preliminary engineering study of existing system quality, production; develop plans and specs; etc	$4,000,000
20	C	5500	MAYWOOD MUTUAL WATER CO. #1	1910084	1	Wells produce water exceeding the MCL for manganese.	Design and construct a manganese removal system capable of treating 1,500 gallons per minute. Preliminary design is shown in Attachment 2.	$760,000
20	C	6500	Firebaugh City	1010005	1	THE CITY'S TWO IRON AND MANGANESE REMOVAL PLANTS DO NOT HAVE ENOUGH FILTERS TO RELIABLY TREAT ALL THE WELLS THAT ARE PUMPED TO THE TWO PLANTS.	INSTALL TWO NEW FILTERS AT EACH PLANT SITE AND CONSTRUCT A BACKWASH WATER RECLAMATION SYSTEM AT EACH PLANT SITE.	$1,073,500
20	C	6813	SATIVA-L.A. CWD	1910147	1	Well #4 is not in use or pumped due to iron, and magnesium sequestering at the well site. Also upgrade existing water mains 30 years old.	Treatment to remove iron and manganese from water to provide better tasting water. Replace old existing line to prevent major breakage, and better access to water lines.	$105,221
20	C	6813	SATIVA-L.A. CWD	1910147	2	Well #4 is not in use or pumped due to iron and magnesium. Sequestering at well site. Upgrade existing water mains that are 30 years old.	Grant will allow us to remove iron and magnesium from water to provide better tasting water. Replace old existing line to prevent major breakage and better access to water lines	$105,221

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	7500	TRACT 349 MUTUAL WATER CO.	1910160	2	Excessive manganese and iron contaminants at groundwater source	Purchase and install equipment to remove secondary contaminants	$950,000
20	C	10247	TUD - Sonora/Jamestown Water System	5510001	3	THE JAMESTOWN AREA OF THE SYSTEM DOES NOT HAVE SUFFICIENT PRESSURES DURING PEAK DEMAND PERIODS. THIS FORCES THE USE OF A WELL THAT HAS EXCESSIVE IRON AND MANGANESE LEVELS.	ADD A 300 GPM IRON AND MANGANESE REMOVAL SYSTEM FOR THE WELL.	$128,000
20	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	1	Rehabilitate Well #15 contaminated with Fe (0.56 mg/L - 1.9 mg/L) and Mn (0.06 mg/L - 0.18 mg/L).	Well #15 must be destroyed and a new well drilled to replace the supply lost. Project involves: Design to solve problem, and Construction	$1,100,000
20	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	3	Wells 11 and 11A contaminated with iron and manganese above their MCLs.	The City plans to design and install a wellhead treatment plant for Wells 11 and 11A for the removal of iron and manganese. Project involves: Design, and Construction	$774,000
20	N	25	HOG ISLAND OYSTER CO.	2100581	1	The sole water source, located close to Tomales Bay, is exhibiting water quality problems that are consistent with salt water intrusion. Flouride levels of 2.6 mg/L exceed the Primary MCL. Significant Secondary MCLs are violated. TDS is 1200 mg/L; Specifi	Consolidation with the Marshall Tavern water system, which has an existing groundwater well with superior water quality compared to Hog Islands, is characterized by the local LPA as the most cost effecient and logistically superior solution to the water	$100,000
20	N	90	Maharishi Vedic School	1700668	1	Rust (iron) and silt.	Convert existing 20,000 gal tank to sand filter.	$30,000
20	N	120	AMERICAN LEGION POST #376	500090	1	WELL HAS HIGH IRON AND MANGANESE. ALSO, WELL IS CLOSER TO A SEWAGE HAZARD THAN WOULD BE ALLOWED CURRENTLY.	DRILL NEW AND DEEPER WELL.	$10,000
20	P	100	Willow Creek School	4700569	1	"Rust" in water, occcasional taste and odor problems, and calcium build up on fixtures. Past chemical analysis shows manganese concentration greater than secondary MCL.	Add treatment to remove rust and/or manganese.	$10,000
15	C	50	H & J WATER COMPANY	3700073	2	High iron content in water.	Install treatment.	$10,000
15	C	50	H & J WATER COMPANY	3700073	1	High iron content in water from old well and an abandoned well.	Dig new well and destroy abandoned well.	$60,000
15	C	2760	CWSC Las Lomas	2710013	1	Well water is above the MCL in iron and manganese.	Design and construct filter system.	$640,000
15	C	2800	Aromas Water District	3510004	1	Need additional capacity. Currently system is on voluntary water rationing. Also need water quality improvements for elevated manganese levels	drill new well with needed capacity and acceptable water quality	$976,664
15	C	3000	Riverdale Public Utility District	1010028	1	Violate secondary standards for iron	Drill new well and chlorine contact tank	$270,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	3174	City of Rio Dell	1210012	1	Extremely high levels of manganese from well source. This causes frequent and severe scaling of distribution system and complaints.	Construct a new surface water treatment plant to draw water from the Eel River.	$1,700,000
15	C	6269	DELHI CWD	2410006	2	THE WATER SYSTEM IS EXPERIENCING PROBLEMS WITH IRON, MANGANESE, AND NITRATE. THE NITRATE LEVELS ARE BELOW THE MCL.	CONSTRUCT A STORAGE TANK WITH A BOOSTER SYSTEM TO STORE AND PUMP TREATED WATER.	$1,500,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	2	Wells 7 and 8 are high in Fe and Mn, requiring a sequestering agent. This results in frequent flushes of water lines being required to maintain water quality.	Install an Fe and Mn filtration system where water from Wells 7 and 8 are delivered to the finished water reservoir.	$750,000
15	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	6	Elevated levels of hydrogen sulfide, iron and manganese	Construct treatment plant for removal of hydrogen sulfide, iron, and manganese	$500,000
15	C	85703	City of Redding	4510005	6	Have wells with high iron and manganese	Provide treatment for iron and manganese	$4,000,000
15	C	151300	CALIFORNIA WATER SERVICE CO. - ELA	1910036	3	FE AND MN CONTAMINATION LEAVING WELL INACTIVE (STATION 56-01)	CONSTRUCT A FE AND MN FILTER SYSTEM	$675,000
15	C	231207	CWS - Bakersfield	1510003	3	Compliance with proposed arsenic MCL, iron & manganese problems in wells. Will consolidate Olcese system with Bakersfield system	Construct a 20 MGD surface water treatment plant	$22,500,000
15	P	150	New Directions Adolescent Services	4901170	1	Objectionable amounts of suspended matter which interferes with UV system. Manganese >MCL.	Confirm composition of suspended matter, design and install system to remove and dispose of solids.	$14,000
10	C	486	WALNUT HILLS MUTUAL WATER CO	4000670	1	Wells exceed iron, manganese and hydrogen sulfide secondary standards.	Construct a water treatment facility and connect to the water system.	$50,000
10	C	500	SAN LUCAS WD	2701676	1	High levels of iron, manganese, and dirt in water supply.	Design and engineer a project which would enable water system to remove dirt, iron, and manganese from water supply.	$90,000
10	C	26177	Rubidoux Community SD	3310044	5	The proposed project involves the construction of a 5,000 gpm (max) Manganese removal treatment facility on District owned property. The proposed facility will treat the water from 2 existing on-site groundwater wells, each with Manganese concentrations	The Well 17 & 18 Manganese Removal Treatment facility is being proposed to eliminate Manganese from the water of 2 existing groundwater wells. The project includes the design and construction of a 5,000 gpm (max) Manganese removal facility. The treatmen	$5,000,000
10	C	29281	Santa Paula Water System	5610011	10	Well #1B needs an iron and manganese removal filter to comply with the secondary standards.	Design & construct iron and manganese removal treatment facility at Well #1B site to treat approx. 1,500 gpm.	$750,000
10	C	42830	HAWTHORNE-CITY WATER DEPT.	1910047	1	Existing Fe/Mn removal facility is in need of modifications and upgrades.	Reconstruct treatment plant.	$2,000,000
10	C	54873	GSWC - ARTESIA	1910004	1	MN PROBLEM AT MASSINGER WELL (AVG=0.062 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT HAWAIIAN SITE FOR MN AND FE REMOVAL	$300,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	54873	GSWC - ARTESIA	1910004	2	MN PROBLEM AT HAWAIIAN WELL (AVG=0.08 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT HAWAIIAN SITE FOR MN AND FE REMOVAL	$300,000
10	C	54873	GSWC - ARTESIA	1910004	3	MN PROBLEM AT CENTRALIA WELL (AVG=0.117 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT CENTRALIA SITE FOR MN AND FE REMOVAL	$300,000
10	C	168977	GSWC - SOUTHWEST	1910155	2	MN EXCEEDING SMCL AT EL SEGUNDO/WESTERN WELLS	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES FOR MN AND FE REMOVAL	$300,000
10	C	168977	GSWC - SOUTHWEST	1910155	4	MN EXCEEDING SMCL AT SOUTHERN WELL #3 AND #4	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT SOUTHERN WELL SITE FOR MN AND FE REMOVAL	$300,000
10	C	168977	GSWC - SOUTHWEST	1910155	3	MN EXCEEDING SMCL AT BALLONA WELL	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES FOR MN AND FE REMOVAL	$300,000
10	C	168977	GSWC - SOUTHWEST	1910155	9	MN LEVEL 10 X MCL AT TRURO WELL #1 (CURRENTLY INACTIVE)	INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	$1,100,000
10	C	414710	Eastern Municipal WD	3310009	6	Iron, Mn, and hydrogen sulfide in the groundwater in the San Jacinto area have rendered the recently drilled Quandt Well unusable for domestic use.	Install wellhead treatment facilities to remove these contaminants and meet standards.	$1,241,000
5	C	200	CUYAMACA WATER DISTRICT	3700074	1	Asbestos pipes are present in distribution system. Storage and distribution system is inadequate to provide proper fire protection and other needed water pressure to users. Iron is heavily detected in system.	Add storage tank and replace some of distribution lines, and possibly construct a filtration system	$350,000
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	1	Iron and/or manganese violations	(1) Develop filtration plan, (2) Determine best design filtration system, (3) Purchase filtration system including installation, startup and training.	$100,000
5	C	240	GARDEN FARMS C.W.D.	4000507	1	Wells need a filter to comply with the iron and manganese secondary standards.	Install simple filters at wells with high concentrations of the minerals, greensand and chemical charcoal filters are being considered.	$45,000
5	C	1005	Cal Am Water Company - Hidden Hills	2710022	1	Ground water exceeds MCL's for iron and manganese.	Design and construct oxidation and filtration treatment facility for the removal of Fe & Mn.	$500,000
5	C	2700	Central Water District	4410018	1	Three of five wells exceed Fe and Mn MCL.	Construct a new well with better water quality in the vicinity of the other two wells. Plans and specifications on file with the Department of Health Services.	$275,000
5	C	6500	Pajaro Community Services District	2710020	1	Well 01 is very high in manganese.	Install a treatment plant to eliminate or reduce manganese to an acceptable level.	$450,000
5	C	15222	FILLMORE WATER DEPT	5610002	2	Well No. 6 needs a filter to comply with the manganese secondary standard.	Install a manganese filter.	$800,000
5	C	40000	Carmichael Water District	3410004	5	Well has levels of CO2 and manganese above MCL.	Air stripping and pressure filtration.	$1,000,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	40000	Carmichael Water District	3410004	4	Well has levels of iron and manganese above MCL.	Pressure filtration. Involves design and construction.	$750,000
5	C	48909	Golden State Water Co. - Cordova	3410015	4	Excessive manganese in water.	Install a new horizontal pressure filter to remove the manganese to non-detect levels.	$350,000
5	C	108995	Golden State WC - West Orange	3010022	3	Baskerville Well exceeds Mn MCL. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	$300,000
5	C	108995	Golden State WC - West Orange	3010022	4	Montecito Well exceeds MCL for MN and Fe. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	$300,000
5	C	108995	Golden State WC - West Orange	3010022	5	Cherry Well exceeds Mn MCL. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	$300,000
5	C	108995	Golden State WC - West Orange	3010022	2	Simone Well exceeds Fe and Mn MCL , source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	$300,000
5	C	192000	OXNARD WATER DEPT	5610007	1	Well No. 19 needs an iron and/or manganese removal filter to comply with the secondary standards.	Iron and manganese removal system	$2,700,000
0	C	0	CALLEGUAS MUNICIPAL WATER DIST	5610050	1	Needs to install a manganese removal filter for the water supply to comply with secondary standards.	Construct a manganese removal facility.	$25,000,000
0	C	68	FAIRWAY ESTATES PWS CSA-18	3901075	1	WELL 2 HAS IRON OVER THE MCL. SYSTEM HAS PRESSURE PROBLEM.	CONSTRUCT REATMENT FACILITY, PRESSURE TANK AND BOOSTER STATION. OTHER = DESIGN AND CONSTRUCTION.	$750,000
0	C	78	WOODSIDE WA	2702140	1	Water supply was found to be above the MCL for iron and manganese.	They do not describe any projects. Perhaps, they are hoping we will tell them what they should do.	$50,000
0	C	150	ACAMPO WATER SYSTEM	3901303	2	WELL 1, THE PRIMARY SOURCE, HAS MANGANESE AT ABOUT 3 TIMES THE MCL.	CONSTRUCT TREATMENT FACILITY. OTHER = DESIGN AND CONSTRUCTION.	$700,000
0	C	235	BARRETT LAKE MH AND RV LLC	3700041	1	Water tanks rusted out and system has high iron.	New tanks, lines and pressure pump.	$50,000
0	C	252	PRUNEDALE MWC	2700702	2	Wells exceed Fe and Mn MCL.	Install ozone treatment and filtration system.	$100,000
0	C	375	PINE VALLEY TRAILER PARK	3701961	1	Needs manganese and iron treatment system, needs piping rerouted, either new reservoir or improvements to old.	as above.	$100,000
0	C	690	YERBA BUENA WATER COMPANY	5610006	2	High levels of Fe & Mn in the well water supply.	Install filtration system at Well No. 5 to reduce iron and manganese.	$250,000
0	C	1036	FAIROAKS PWS #44	3901348	1	MANGANESE EXCEEDING MCL	CONSTRUCT TREATMENT. OTHER = DESIGN AND CONSTRUCTION	$700,000
0	C	1200	Bolinas Community PUD	2110005	7	The BCPUD has three water supply sources: (1) surface water from the Arroyo Hondo creek; (2) surface water from Woodrat #1 reservoir; and (3) surface water from Woodrat #2 reservoir. The source of the water feeding the unnamed streams which fill the two	The BCPUD would like to conduct a pilot study to determine the origin contaminant(s) causing the taste and odor problems in its reservoir water sources and recommend a solution thereto. The study will involve the district retaining a chemical engineer, w	$150,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1385	SAN MIGUELITO MWC	4010003	11	Fe & Mn WTP needs upgrades to comply with Fe/Mn secondary standards.	Replace non-functional valves and appurtenances then sandblast and paint vessels and piping.	$25,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	1	Well No. 12 needs an iron and manganese removal filter to comply with secondary standards.	Installation of iron and manganese removal facility per study by Boyle Engineering Corp dated Mrch 1993.	$620,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	25	North Marin Water District's (NMWD) West Marin Distribution System services Point Reyes Station, Olema, Bear Valley, Paradise Ranch Estates and Inverness Park. The Town of Inverness also benefits because it has an emergency water supply connection to the	The North Marin Water District (NMWD) proposes construction of a new well and a pipeline to supplement a periodically unreliable water source. The new well will be constructed near an existing NMWD Gallagher Ranch standby well located approximately 1.3 mi	$1,676,272
0	C	3000	North Marin WD - Pt. Reyes	2110006	20	Salt water intrusion potential due to tidal hydraulics and pumping characteristics.	Construct new well(s) upstream and outside tidal influence with associated transmission line to treatment facility.	$1,100,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	9	Wells exceed the iron and manganese secondary standards.	Solve the problem by conducting a study to determine the best way to treat the water. Most effective method would likely be a treatment plant.	$800,000
0	C	5312	GUSTINE CITY	2410003	1	The 2002 Water System Master Plan identified the major water quality problems in the Citys wells. These include high concentrations of salinity as measured by total dissolved solids (TDS) and high concentrations of nitrates, chlorides and sulfates. Pre	The project elements include the following:Design and construct a replacement well for Well No. 1, and provide wellhead treatment for nitrate at the new well. The well should be of equivalent capacity to deliver and treat 1,100 gpm.Design and construc	$3,500,000
0	C	5412	Montara Water and Sanitary District	4110010	26	Manganese contamination	Manganese removal treatment at Airport Wells	$250,000
0	C	5730	California Rehabilitation Center - Norco	3310800	2	CRC's wells produce Mn from 400 to 1200 mg/L. Due to this level this system has to be flushed out to get rid of the oxidized Mn.	Add Mn removal treatment system	$550,000
0	C	7260	Florin County Water District	3410033	4	Declining water table with a degradation of water quality and decreasing production ability.	Treatment plant and water storage tanks.	$10,000
0	C	7260	Florin County Water District	3410033	5	Declining water table with a degradation of water quality and decreasing production quality.	Rehabilitation including deepening wells and modification of well structures.	$10,000
0	C	9884	SCWA - Arden Park Vista	3410002	5	Sources exceed the iron and manganese MCL's.	Design and construct 1,200 gpm well and iron-manganese treatment facility.	$750,000
0	C	9884	SCWA - Arden Park Vista	3410002	2		Design and construct 1,200 gpm well and iron-manganese treatment facility.	$750,000
0	C	9884	SCWA - Arden Park Vista	3410002	3		Acquire site for replacement well and iron-manganese treatment facility.	$100,000
0	C	9884	SCWA - Arden Park Vista	3410002	4		Acquire site for replacement well and iron-manganese treatment facility.	$100,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	9884	SCWA - Arden Park Vista	3410002	1	Levels for iron and manganese exceed MCL.	Install wellhead treatment facilities (greensand filters). Involves study, design, and construction.	$1,300,000
0	C	20181	LOMITA-CITY, WATER DEPT.	1910073	4	The City of Lomita Cypress Water Treatment Facility intends on removing iron, manganese, and color from Well No. 5 in compliance to the State Drinking Water Standards. It is to be mixed with the MWD water in the new Cypress Street Reservoir, which will pr	The project would rehabilitate an existing well which has been out of services since 1974. Provide a treatment plant with a 1,000 gallon per minute treatment rate and construct a new 5 million gallon reservoir for the storage of produced water. The Proj	$12,500,000
0	C	40165	City of San Bruno	4110023	6	Manganese secondary MCL exceeded; need to install treatment system to remove manganese and iron.	A modular treatment plant was designed for 300 GPM was purchased in 1991 for the use at the Shannon Well, but was never installed before the well was abandoned. This project will construct a shelter large enough to accommodate this plant.	$370,000
0	C	44831	CAMARILLO WATER DEPT	5610019	2	Wells need a filter to comply with the iron and manganese secondary standards.	Construct Fe & Mn, hydorgen sulfide removal filtration treatment facility for one of the three wells with additional plants proposed in the future.	$2,867,700
0	C	62000	City of Palo Alto	4310009	3	Need new well with iron and manganese treatment.	Construct a new well on Middlefield Rd. with treatment for iron and manganese.	$460,000
0	C	77513	Yorba Linda Water District	3010037	1	Well Nos 16 and 17 produce water with high manganese, total dissolve solids and sulfate exceeding the State's secondary aaand recommended drinking water standards. The wells are also impacted by surface water.	Construction and installation of a treatment system consisting of chemical addition reaction filtration and backwashing facilities. Installation of maganese greensand filter treatment packaged and pressure filtration vessels are planned.	$755,000
0	C	83756	SANTA MARIA WATER DEPARTMENT	4210011	1	The primary concerns regarding Santa Maria groundwater are the Total Disolved Solids (TDS) with a concentration ranging from 600 parts per million (ppm) to 1,200 ppm and a long-term average of 844 ppm; and nitrate, with concentrations of 70 mg/L in two of	In 2008, the City of Santa Maria completed a feasibility study for groundwater treatment that determined that reverse osmosis or electrodialysis reversal treatment on a side stream of the groundwater supply are likely to be the two most cost-effective tre	$1,000,000
0	C	94400	CALIFORNIA WATER SERVICE CO. - HERM/REDO	1910134	1	FE AND MN CONTAMINATION LEAVING WELLS INACTIVE (STATION 22-01, 30-01)	CONSTRUCT A FE AND MN FILTER SYSTEM	$1,033,000
0	C	105831	City of Santa Clara	4310012	3	The manganese level in Well 19 exceeds the MCL.	Investigate the problem and then do whatever construction is found to be necessary.	$300,000
0	C	113880	TORRANCE-CITY, WATER DEPT.	1910213	3	Wells contain hydrogen sulfide that has caused customer odor complaints, also iron and manganese concentrations are exceeding secondary standards. In addition, a saline water plume is encroaching on the groundwater production area,	A groundwater treatment facility is proposed that will improve water quality by eliminating odor complaints and by meeting secondary standards for iron and manganese. The proposed facility will also mitigate possible future contamination by the …	$7,027,000
0	P	246	FRANKLIN ELEMENTARY SCHOOL	3400248	1	Water is high in manganese.	New mangnesium filtration system. Replace and modernize plumbing.	$10,000
0	P	350	Oak Grove School	4900703	1	Well water is discolored (iron >MCL) and often has smell. Water seems corrosive.	Install filtration or ozonation system with holding tank.	$30,000

SRF Category **N**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	440	Twin Hills School Dist-Twin Hills School	4900707	1	Corrosive water, high iron & manganese, drawing sand, high turbidity, periodic bacti problem.	Drill new well, install iron & manganese and pH treatment, separate drinking water from irrigation water.	$105,000
0	P	600	Twin Hills School Dist-Apple Blossom Sch	4900710	1		Drill new well, install iron & manganese and pH treatment, separate drinking water from irrigation water.	$100,000
0	X	0	Indian Hills Camp	1405	1	High iron bacteria in water source. This clogs piping, gives a bad taste and terrible smell w/hot water.	We have a chlorination system in place now which does an adequate job but a more sophisticates system such as osmosis would be safer and more functional.	$10,000

Total Projects for 'Category' = (116 Projects) **Total Costs for Category:** ***$150,032,428*** **Total Population served in Category:** ***3,677,460***

SRF Category **O**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
45	C	571	FULLER ACRES MUTUAL WATER COMPANY	1500296	1	Well 01 produces water with arsenic 12 ug/L which is above the new EPA arsenic MCL of 10 ug/L. Also our distribution system piping is over 30 years old and will need to be replaced when consolidating with Lamont PUD. We will also need to install meters	Install 3000 feet of pipeline to connect to Lamont PUD; replacement of 7,000 feet of undersized and old distribution system with a 6-inch PVC pipe, installing 185 meters,and destruction of existing system wells.	$1,200,000
40	C	3653	TUD - Columbia Water System	5510013	2	THE MATELOT DITCH AND RESERVOIR THAT SUPPLY THE WTP ARE SUBJECT TO CONTAMINATION.	CONSTRUCT RESERVOIR IMPROVEMENTS AND PIPE THE MATELOT DITCH TO PROVIDE SOURCE WATER PROTECTION.	$1,210,000
40	C	3653	TUD - Columbia Water System	5510013	6	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS	$18,000
40	C	3653	TUD - Columbia Water System	5510013	4	THE NEW MELONES PUMP STATION EXPERIENCED AN INTAKE PIPELINE FAILURE.	CONSTRUCT IMPROVEMENTS AND REPAIRS TO THE INTAKE STRUCTURE.	$74,000
40	C	3653	TUD - Columbia Water System	5510013	1	THE LOWER COLUMBIA DITCH LOOSES WATER THROUGH LEAKS AND IS CONTAMINATED BY LOCALIZED AG RUNOFF.	PIPE APPROXIMATELY 800 FEET OF DITCH AND GUNITE LINE APROXIMATELY 2000 FEET OF DITCH.	$78,000
40	P	50	ST. PAUL S LUTHERAN DAY CARE	2400176	1	THE SCHOOL WOULD BENEFIT BY CONSOLIDATING WITH THE CITY OF MERCED. HOWEVER, THERE ARE CURRENTLY NO PROBLEMS WITH THE WATER SYSTEM.	CONNECT TO THE CITY OF MERCED'S WATER SYSTEM.	$50,000
40	P	50	Merced Adventist church Water Syst.	2400148	1	VERY SMALL SYSTEM WOULD BENEFIT BY CONNECTING TO THE CITY OF MERCED WATER SYSTEM.	CONNECT TO THE CITY OF MERCED WATER SYSTEM.	$50,000
35	C	30	LIFE WATER CO-OP	1500579	1	Due to an ongoing water shortage problem we have been issued a compliance order for violation of the California Waterworks Standard since we are required to maintain a minimum of 20 psi at all times. We have not been able to do this due to having to shut	To remedy the insuficient water problem and intertie with Inyokern Community Water District is being requested. The project would require a looped mainline to connect the Life Water co-op to the Inyokern C.S.D. system. mainlines, laterals, water meters, m	$1,500,000
35	C	44	SUNRISE MOBILEHOME PARK	4500104	1	Existing source is well water.	Consolidate with Clear Creek C.S.D..	$100,000
35	C	120	KINGS PARK APARTMENTS	1000295	1	ONE WELL DOES NOT PROVIDE ADEQUATE SOURCE RELIABILITY.	CONNECT TO THE CITY OF SANGER.	$50,000
35	C	927	HILLVIEW WATER CO-GOLDSIDE-HIL	2010014	1	SYSTEM EXCEEDS THE SECONDARY DRINKING WATER STANDARDS FOR TDS AND IS BORDERLINE FOR CHLORIDE.	FILTRATION OF FOUR WELLS AND INTERCONNECTION OF THIS SYSTEM TO THE OAKHURST-SIERRA LAKES SYSTEM WHICH IS ABOUT 3 MILES AWAY.	$800,000
35	C	2550	Kelseyville Co Waterworks District 3	1710007	1	One supply source is surface water influenced. Need filtration system and storage.	Install filtration system an/or connect to Soda Bay water system. Replace Valley Vista Tanks.	$1,000,000
35	N	40	GARDEN INN	5400692	1	No problem	Connection to City water	$70,000

SRF Category **O**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
35	P	830	PLANADA SCHOOL	2400066	1	THE SCHOOL WOULD LIKE TO CONSOLIDATE WITH THE PLANADA CSD WATER SYSTEM.	INSTALL A PIPELINE TO INTERCONNECT TO THE PLANADA CSD WATER SYSTEM.	$50,000
35	S	24	Oasis Ranch	2400194	1	SYSTEM HAS AN OLD WELL.	CONNECT TO THE PLANADA CSD WATER SYSTEM.	$75,000
30	C	70	NORSEMAN M.H.P.	5400545	1	Nitrate > MCL 45mg/L (data needed) Uranium > MCL 34.7 pC/L Gross Alpha > MCL 28 pC/L	Connection to adjacent water system. City of Kingsburg	$180,000
30	C	220	MUSTANG MUTUAL WATER SYSTEM	1500555	2	Arsenic in the system well water exceeds the new EPA arsenic MCL of 10 ug/L.	As part of this project, Mustang MWC may connect with the distribution system of Vaughn Water Company which is between 1 and 2 miles away from the. The project would inlcude approximately 10,000 feet of pipleine to connect with the Vaughn Water Company.	$1,500,000
30	C	300	GREEN ACRES MOBILE HOME ESTATE	1000229	1	AGING WELL CASING.	CONSTRUCT A NEW WELL OR CONNECT TO THE CITY OF FRESNO.	$15,000
30	C	1441	TUD - Ponderosa	5510002	3	THE WATER TREATMENT PLANT OPERATES AT NEAR THE 3.0 GPM/FT2 MAXIMUM FILTRATION RATE SPECIFIED IN THE SWTR. SOME OF THE PLANT'S MONITORING AND RELIABILITY FEATURES NEED TO BE UPGRADED.	UPGRADE THE PLANT, ADD ANOTHER CLARIFIER AND FILTER, AND INSTALL MONITORING EQUIPMENT.	$470,000
30	C	1700	WARRING WATER SERVICE INC	5610021	3	Consolidate the Rissman Mutual Water Company service which was not in compliance with DHS.	Purchase the Ventura County Water Works District's domestic delivery system in Warring Water Service area and consolidate the system	$300,000
30	C	5268	TUD - Crystal Falls Water System	5510010	4	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	$18,000
30	C	6500	Pajaro Community Services District	2710020	2	The Pajaro/Sunny Mesa Community Services District (PSMCSD) is solely dependant upon groundwater to serve its customers. PSMCSD currently has no alternative potable water supplies. Many of the communities that are served by PSMCSD are minority communitie	The project will entail one of two alternative proposals. The first and easiest solution would be the drilling and development of new wells to address the problems of nitrate and arsenic contamination. Additionally water delivery pipelines to intergrate	$5,000,000
25	C	25	Seymour's Mutual Water System	5301201	1	Need additional water storage.	Install six 5,000 gallon water storage tanks.	$25,000
25	C	25	PAPPAS & COMPANY (FARM HOUSING)	1009039	1	THE WATER TREATMENT PLANT NEEDS TO BE ENCLOSED. NEED TO REPLACE THE TURBIDITY AND CHLORINE ANALYZERS. NEED AN AUTO DIALER FOR PLANT MALFUNCTIONS.	INSTALL NEW TURBIDITY AND CHLORINE ANALYZERS, AND AN AUTO DIALER. ENCLOSE THE PLANT.	$29,000
25	C	35	FOURTH STREET WATER SYSTEM	1500449	1	Running out of water at times	Drill second well;reranked to O from E; system drilled second well	$113,000
25	C	35	FOURTH STREET WATER SYSTEM	1500449	3	Storage inadeqate.	Increase storage, repair existing tank.	$50,000

SRF Category **O**

Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	37	WHISPERING SANDS MH PARK	3301746	1	1) Added water pressure. 2) need another well to be able to supply water if failure of existing	1) add pressure tanks existing well - also drill 2nd well, add pressure tanks. Tie 2 systems together - Back up well for more water existing well with more pressure	$20,000
25	C	50	MEADOWBROOK OAKS	400026	1	Aging system.	Fix system.	$10,000
25	C	51	WOMACK SUBDIVISION M.W.C.	5200013	1	Excessive water main breaks and leaks.	Plan, design, and construct water mains	$60,000
25	C	56	JENSEN MHP WS	2702405	1	44 years old system?	Update system?	$50,000
25	C	60	WATERTEK-METROPOLITAN	1000057	2	EXISTING WELL HAS HIGH NITRATES AND NITRITES, BUT THEY DO NOT EXCEED THE MCLS.	DRILL THE EXISTING WELL DEEPER	$25,000
25	C	65	Wonder Acres Water System	1500324	1	Positive Samples for E.coli in the Water System	Acquire/Design/Instal 3 miles of pipe in the distribution system and abandon existing system in ground	$450,000
25	C	72	BELLA VISTA MUTUAL WATER COMPANY	1502653	1	REACHING CAPACITY OF SYSTEM, (ALLOWED 42 HOOK-UPS) NEED BACK UP WELL, NEED TO IMPROVE WATER TREATMENT, INCREASE STORAGE	DRILL AND HOOK UP NEW WELL IMPROVED CHLORINATION SYSTEM INCREASE STORAGE. OTHER - DESIGN AND CONSTRUCTION	$80,000
25	C	80	WILLOW SPRINGS MOBILE HOME PARK	1500542	1	WATER QUALITY PROBLEMS	CONNECT TO THE CITY WATER SYSTEM	$50,000
25	C	85	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	2	Undersized water mains	Replace 4" diameter mains with 6" diameter.	$300,000
25	C	90	SPRING CREEK ESTATES PWS	3900927	1	SYSTEM HAS SINGLE WELL	CONSOLIDATE WITH CITY OF RIPON. OTHER = DESIGN AND CONSTRUCTION	$450,000
25	C	90	BERRENDA MESA WATER DISTRICT, DOM SYSTEM	1503145	1	Pipe leaks	Pipeline replacement. Installation of rechlorination station.	$375,000
25	C	96	CASTILE CANYON SCHOOL	3302054	1	Do not have any backup well pump operating. Currently have one pump that is fed by propane generator. Have 140 people plus 22 acres farmland to water.	Need 3 phase electricity to run pump rather than propane generator. Also need backup well rebuilt.	$37,500
25	C	96	Hunter Valley CSD	800557	1	Distribution water lines are deteriorating and leaking.	Replace all of distribution lines with schedule 40 P.V.C. pipe	$75,000
25	C	100	COUNTRY VIEW ALZHEIMER CENTER	1000430	1	THE WELL EXCEEDS THE NITRATE AND URANIUM MCL'S. Reranked from F to O (1/10/02)	CONSTRUCT A NEW WELL.	$20,000
25	C	100	KERN VALLEY MUTUAL WATER	1500252	1	SUMMER TIME WATER OUTAGES NEED BACK-UP WELL; reranked to "O" from "E"; system drilled well using own resources	Have new wel drilled ajoining current system. Other - Construction/other: drilling	$15,000
25	C	100	Fairview Water Company, LLC	1502670	1	This system is now twelve years old and we are having problems with the continuous leaks on a mile long portion of the system in addition to pressure problems and inadequate storage tanks	Replace 2 Cla Val. 4" pressure reducing valves. Replace 1 mile of 4" PVC 40 w/ 4" C900. Add 15,000 gal. plus 2 10,000 gal. storage tanks. Add electrical control lines underground. Set up booster pump. Other - study/design/construction	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	102	Cal Ore Trail Mobile Estates	4700546	1	Various water system components are old and near the end of their useful life.	System replacement.	$50,000
25	C	110	Timber Cove County Water District	4900584	1	Repair storm damage at source and pumping station. Protect source from future damage.	Construct dike where creek banks washed out. Repair gravel to area scoured by storms.	$75,000
25	C	110	Timber Cove County Water District	4900584	2	Source experienced severe silting and storm damage.	Install backflush system & repair pipes (flush lines for future silting).	$20,000
25	C	125	EMIGRANT GAP MUTUAL WATER CO.	3103310	1	Existing water main is deteriorating; needs replacing.	Replace 820' of 4" steel pipe with 820' of 4" C-900 pipe and construct four new manifolds.	$10,000
25	C	150	HHW&P Moccasin Compound-SFPUC	3810003	1	Need backup filtration for high turbidity events for filtration avoidance.	Construct filtration facilities and appurtrnaces.	$200,000
25	C	180	Apple Valley Village MH Est	3600400	3	Distribution mainline leaks.	Mainline replacement	$250,000
25	C	180	Apple Valley Village MH Est	3600400	2	Single source system in need of backup source of supply	Consolidation with Apple Valley Ranchos	$100,000
25	C	195	Gordon Acres (Stewart WC)	3600297	3	The system has a poor mainline in need of replacement	Replace 1800 feet of mainline	$50,000
25	C	200	Sierraville P.U.D.	4600018	2	Many known and some unknown problems with the water system. Some of the system is 52 years old with some old problems never solved.	Hire an engineer to completely evaluate the system, make a work order sheet, and do it.	$50,000
25	C	200	Sierraville P.U.D.	4600018	3	1. Inadequate water supply; deteriorating collection area. 2. Inadequate water storage. 3. Storage tank for fire protection defunct. 4. No backup system when we experience mechanical failure. 5. No storage facilities for supplies.	1. Drill well. 2. Install new 200K gal. tank. 3. Expand pumphouse by 25 sq. ft. 4. Install parallel pumping system.	$217,500
25	C	250	Clearwater Mutual Water Company	1700546	2	The current system is not big enough to produce and store enough water for the current customer water needs. - This needs to be verified for ranking of project can be any higher	Install new clarifier and filter and larger storage tank.	$225,000
25	C	250	WASHINGTON WATER DISTRICT	2900523	1	Wooden flume supporting transmission main to town needs replacement.	This flume runs adjacent to the South Yuba River. The flume needs complete replacement.	$150,000
25	C	275	Lucerne Valley MWC	3600156	1	Mainline replacement	Construct mainline	$150,000
25	C	275	Lucerne Valley MWC	3600156	2	Frequent power outages interrupting water service	Purchase and install backup power generator	$20,000
25	C	300	Newell County Water District	2500801	2	Distribution system deteriorated, well/pump failure/unsafe storage	Replace/repair exisitng supply, storage, & distribution system	$2,000,000
25	C	364	Weott C.S.D.	1200553	4	Water lines in poor condition and subject to frequent leaks.	Remove old steel lines and replace approximately six miles of water transmission lines.	$110,000
25	C	364	Weott C.S.D.	1200553	6	Need meters on the system to satisfy the State Water Rights Board requirement for renewal.	Purchase and install water meters at Sources A and B.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	364	Weott C.S.D.	1200553	3	Lack of adequate storage on A-line.	Install additional 50,000 gallon tank at the A-Tank site.	$72,800
25	C	371	EASTON ESTATES WATER COMPANY	1000018	1	JOY ST. WELL PUMPS TOO MUCH SAND AND SEDIMENT	WELL NEEDS TO BE REDEELOPED & BOWLS, BEARINGS AND SHAFT NEED RESTORATION	$30,000
25	C	380	Indian Valley CSD - Crescent Mills	3200510	2	Potential contamination of inground storage tanks, low water pressure	Hydrants, plant improvements	$125,680
25	C	400	Myers Flat M.W.S. Inc.	1200538	2	Need to develop new source of gravity-flow water. Water delivery system already in place.	Develop unused spring source to prevent surface water influence and tie into system.	$13,490
25	C	400	LSID - Tonyville	5410007	1	SURFACE SOURCE - RAW WATER STORAGE INADEQUATE REMOTE MONITORING CAPABILITY	RADIO SPREAD SPECTRUM TELEMETRY AND CONTROL. OTHER - DESIGN AND CONSTRUCTION	$80,000
25	C	400	Myers Flat M.W.S. Inc.	1200538	4	We lost our 99 year lease in a court action and must have a new well site.	This project would include: land purchase, groundwater study, well development (including a pump house), well pump and motor, supply pipeline to our storage tank, electrical to site and a control and monitoring system.	$515,000
25	C	400	PALO VERDE COUNTY WATER DIST.	1300616	1	Two wells located near lake may be under the influence of surface water. Have had intermittent bacteriological problems.	Replace existing wells, with two new wells drilled at a better location.	$100,000
25	C	435	City of Tehama	5200504	3	With limited staff, we need to have the ability for more constant surveillance over our water system. Currently, it is too labor intensive and expensive for our small system to monitor our two wells on a daily basis. Our little city floods on a reg	We have had our system analysed to see what equipment would need to be installed to allow off site monitoring and control. Equipment would be added to allow offsite monitoring of: water level, pump flow, system pressure, power, chlorine residual, co	$75,200
25	C	450	TRADEWIND WATER ASSOC.	1500406	1	Old storage tank needs to be refurbished because it is leaking. Air problems in our pressure system	Hire cirtified agent to sandblast and coat old tank. Need to install additional Air Vaccuum Valves to remove existing problem.	$50,000
25	C	450	TRADEWIND WATER ASSOC.	1500406	3	Two old wells with unknown water table depth and submersible pump efficiency.	Establish a three phase plan for a new well including a capped well shaft with casing and concrete pad,; pump & electrical load center; excavation & pipeline connection to existing system	$150,000
25	C	500	McKinney Water District	3110022	1	Main line leak repair. Using up the District's reserve funds; system installed in 1960. In dire need of replacement, between 3 and 5 miles of mains.	Replacement of all main lines.	$1,500,000
25	C	550	EDMUNDSON ACRES WATER SYSTEM	1500190	1	WELL PRODUCES WATER EXCEEDING NITRATE MCL	DRILL A NEW WELL. OTHER - STUDY, DESIGN AND CONSTRUCTION	$300,000
25	C	582	ARROWBEAR PARK CWD	3610110	4	Unprotected storage tank facilities	Install fencing around storage tanks	$10,000
25	C	582	ARROWBEAR PARK CWD	3610110	3	Interior of storage tank shows signs of rusting	Tank recoating	$19,500
25	C	600	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	3	WELL WITH ARSENIC OVER THE MCL - CURRENTLY BLENDING WATER TO MEET MCL.	CONSTRUCT TREATMENT FOR ARSENIC. OTHER- DESIGN AND CONSTRUCTION	$500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	600	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	1	SECOND WELL EXCEEDS ARSENIC STANDARDS - THEREFORE NO BACK-UP SUPPLY WHEN PRIMARY WELL IS UNDER MAINTENANCE	ACQUIRE PROPERTY, DRILL NEW WELL AND CONNECT TO SYSTEM	$100,000
25	C	600	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	2	TWO COMPANIES SUPPLY WATER TO COMMUNITY. OTHER CSD HAS OPERATIONAL AND MANAGEMENT PROBLEM. THEY WOULD LIKE TO CONNECT TO EDGEMONT.	UPGRADE OTHER SYSTEM, PAY OF DEBT AND DISSOLVE OTHER CSD	$250,000
25	C	675	Town of Fort Jones	4710003	1	Inadequate, reliable storage and supply. Current peak usage is 300,000 gal/day, current storage is 180,000 gal. Single pump output is 450/gal per minute. Storage capacity at 60% of peak usage does not adequately cover this rual community in the event o	Evaluate system to determine overall condition and to identify remedial and maintenance actions needed to minimize water supply disruptions and/or existing system losses. Evaluate appropriate storage volume for system and construct additional tank storag	$75,000
25	C	725	WOODVILLE FARM LABOR CENTER	5400792	2	No improvements have been made to the distribution system since the farm labor center opened in 1937. Applicant anticipates that water mains will need to be updated or replaced in the near future.	Trench and remove old main water lines and replace with new lines and related system components to meet current and long term needs.	$1,250,000
25	C	795	Daggett Comm Svcs Dist	3600086	1	Lack of transmission line to utilize well	Construct transmission line	$200,000
25	C	875	Placer CWA - Alta	3110024	1	General system improvement. Storage tank insufficient size.	Construct 500,000 gallon storage tank.	$600,000
25	C	887	City of Dorris	4710001	2	Approximately 50% of the City's water distribution system consists of steel pipelines more than 50 years old, including many lines dating from the 1940s and earlier. Those lines are failing at an increasing rate, exposing the distribution system to po	Construction of approximatley 6600 of water line along the Citys street. This will include both 6 and 10 water mains along with service connections, gate valves and hydrants.	$870,000
25	C	896	LINNELL FARM LABOR CENTER	5400631	2	Distribution system is old, and applicant anticipates that it will need replacing in near future.	Relplace water mains and related system components.	$1,250,000
25	C	896	LINNELL FARM LABOR CENTER	5400631	1	Old 60 years old elevated storage tank. Wants to install a new ground elevation pressure tank.	Installation of new 10,000 gal. Pressure tank	$50,000
25	C	1018	Lake County CSA 2 - Spring Valley	1710018	1	Permanent structure required to protect creek water source from 100-yr stream flows.	Improvements to intake gallery & creek banks. Possibly construct new intake gallery or extend existing one.	$200,000
25	C	1236	Laton Community Services District	1010020	3	Currently, the District has only one well tht has an auxillary power source, a diesel powered generator that was purchased through a surplus sale. Entire water supply is dependent on this generator during power outages.	Install a standby generator on District's newest well.	$145,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	1300	McCloud C.S.D.	4710006	3	Occasional bacterial contamination of Upper and Lower Elk Spring sources caused by animals and vandals.	Construct building foundation improvements and seal Upper and Lower Elk Springs.	$120,000
25	C	1499	Kettleman City CSD	1610009	1	GAC TREATMENT PROVIDED FOR BENZENE IN TWO WELLS-TASTE AND ODOR CONCERNS UNRESOLVED	INSTALL UV DISINFECTION AND GAC FOR TREATMENT. OTHER - DESIGN AND CONSTRUCTION	$260,000
25	C	1499	Kettleman City CSD	1610009	4	OLD TANKS HAVE NEVER HAD INTERIOR COATING, BULID IN 1969	SANDBLAST AND INSTALL INTERIOR COATING. OTHER - DESIGN AND CONSTRUCTION	$220,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	7	Need Department requested study of impact of development on source. System has service connection limit based on intake in possibly vulnerable location.	A "Cumulative Impact Study" for Telegraph Creek drainage.	$50,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	4	Operational problems with intake facilities constructed in 1965.	Upgrade existing intake facility.	$195,000
25	C	1500	Redway C.S.D.	1210011	1	Insufficient water storage availability.	Increase storage capability by 270,000 gallons.	$350,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	3	Operational problems for intake facility constructed in 1965.	Engineering planning for project	$14,900
25	C	1500	Resort Imprvmt. Dist. #1	1210022	8	Problems with the wooden Rick Tank.	Construct new tank.	$137,200
25	C	1500	Resort Imprvmt. Dist. #1	1210022	10	Inferior grade of steel pipe in distribution system. Mains have been constant source of leaks.	Engineering design and construction of pipe line.	$2,841,000
25	C	1500	Resort Imprvmt. Dist. #1	1210022	2	Inferior grade of steel pipe in distribution system needs to be replaced.	Engineer planning, design, and construction for replacement of 8 miles of pipe.	$37,900
25	C	1579	TUD - Tuolumne City Water System	5510003	6	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS	$18,000
25	C	1750	Home Garden CSD	1610007	1	Need new storage tanks	Remove rust and recoat tanks. Replace electric motor and pumps. OTHER - Design and Construction	$200,000
25	C	1805	City of Biggs	410001	1	delapitated water mains, no emegency power	replace water mains including hydrants, and generator	$875,000
25	C	1904	Strathmore Public Util Dist	5410012	3	DISTRICT SOURCE IS FRIANT-KERN CANAL. THE TURNOUT FROM THE CANAL HAS A SCREEN WHICH IS MANUALLY CLEANED AND BUILDS UP WITH ALGAE.	INSTALLA TRAVELING WATER SCREEN IN THE EXISTING CANAL STRUCTURE.	$110,000
25	C	2000	Westwood C.S.D.	1810002	2	The existing covering over the spring was constructed in 1975 and consists of wood trusses covered with plywood and a built-up composition roof. The treated wood trusses have a tendency to sweat and drip into the spring water during certain times of th	The proposed spring enclosure consists of a steel building with reinforced steel plating to resist vandalism and bullet holes. The site is remote with limited access, and the structure is subject to potential vandalism. The walls will be approximately s	$240,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	2200	Poplar Comm Service Dist	5410026	1	INSTALL NEW WATER FACILITIES TO AN INCORPORATED AREA NORTH OF POPLAR	DRILL NEW WELL AND INSTALL DISTRIBUTION LINES. OTHER - DESIGN AND CONSTRUCTION	$500,000
25	C	2229	Cabazon Water District	3310047	2	Construction of 32,500 LF of 16" and 12" diameter pipeline in response to a system review by DOHS. See attachment A	See attachment B	$1,800,000
25	C	2400	Lake Shastina C.S.D	4710013	1	Have had coliform problems in distribution system suspected to be caused by biofilms.	Install appropriate equipment at each groundwater source that would facilitate automatic chlorination when pumps come on line.	$45,000
25	C	2458	Clearlake Oaks County Water District	1710001	2	Undersized and deteriorating clearwell.	Install new 500,000 gal clearwell.	$500,000
25	C	2458	Clearlake Oaks County Water District	1710001	8	Asbestos mains are failing due to age and ground movement, causing potentially catastophic highway failure. Booster stations have no back-up power causing low pressure problems, potentially allowing backsiphonage and contamination.Replace 4500 feet of asb	Install 4500 feet of PVC main to replace existin concrete-asbestos mains in the Caltrans right of way.	$501,500
25	C	2458	Clearlake Oaks County Water District	1710001	5	Upgrade reliability features and distribution system	Replace 4500 feet of aging AC pipe; improve reliability in dist sys	$972,000
25	C	2500	Nice Mutual Water Company	1710008	1	One source of supply - Clear Lake.	To increase reliability, connect to Upper Lake CWD with 20,000 ft of 8 to 12 inch pipe and booster pump station.	$1,900,000
25	C	2500	Nice Mutual Water Company	1710008	3	Treatment plant is subject to inundation by the 100-yr flood in Clear Lake.	Modify WTP piping to relocate pumps and motor controls above elevation 1332 ft.	$240,000
25	C	2500	Nice Mutual Water Company	1710008	4	Treatment plant does not have automated filter effluent control system or corrosion control system.	Design and construct an automatic filter effluent system and corrosion control system.	$100,000
25	C	2500	Nice Mutual Water Company	1710008	2	The WTP and pumps do not have a back-up power supply.	Purchase and install an electric generator set at the WTP site.	$80,000
25	C	2500	ERSKINE CREEK WC	1510009	2	Arsenic is high but not over the MCL at this time.	Construct arsenic treament plant.	$100,000
25	C	2793	Pixley Public Util Dist	5410009	5	Low pressure problems	Drill a new well	$1,000,000
25	C	2793	Pixley Public Util Dist	5410009	7	Wells are not centrally controlled or monitored	Install SCADA system	$100,000
25	C	4011	Konocti County Water District	1710006	3	Undersized and aged raw water pipeline to water treatment plant.	Replace with 12 inch PVC pipe.	$600,000
25	C	4198	Coachella VWD: I.D. NO. 11	1310011	4	Old, deterioating water mains installed in the 1950's are routinely leaking and/or breaking.	Replace distribution pipelines to prevent contamination caused by leaks or breaks in the pipelines.	$2,000,000
25	C	7475	City of Live Oak	5110001	3	Unreliable water supply and insufficient fire flows. The City cannot monitor well production, water treatment, or equipment status during after-hour and holiday operation.	The installation of telemetry lines and continuous monitoring instrumentation (e.g. flow, pressure, and chlorination) for each well would allow the City to provide safe and dependable water service.	$25,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	7475	City of Live Oak	5110001	7	Unreliable water supply and insufficient fire flows. Our system equipment currently consists of aging constant speed pumps which switch on and off many times per day. This system results in accelerated degradation of equipment and energy waste.	The replacement of existing pumps with variable speed pumps will prolong the life of the system and reduce energy and maintenance costs.	$100,000
25	C	7475	City of Live Oak	5110001	9	Manual reading of water meters is costly and inefficient. With the anticipated increase in metering service connections the City faces a significant financial burden.	The automation of existing and future meters will allow the City to direct its scarce resources to other water enterprise improvements.	$75,000
25	C	7475	City of Live Oak	5110001	8	Unreliable water supply and insufficient fire flows. Water quality problems exist with the drinking water produced at Well No. 4. The use of this well is crucial in meeting source capacity requirements.	Solution requires determination of the causes of poor water quality for design and construction of improvements.	$50,000
25	C	7544	Golden State Water Co.-Clearlake System	1710002	5	Cathodic protection in the plant's clearwell is required to prevent corrosion and maintain the integrity of the vessel.	Install cathodic protection in the treatment plant's clearwell.	$20,000
25	C	7544	Golden State Water Co.-Clearlake System	1710002	2	Recent tests performed on the GAC have shown that GAC requires replacement.	GAC in contactor #2 will be replaced with regenerated GAC.	$25,000
25	C	8851	NEEDLES, CITY OF	3610032	1	The City of Needles has existing water storage capacity for 24 - hours. Should a well fail or electricity be down due to microburst, severe flooding, or any of a host of potential causes for longer than 24- hours , the water storage would be depleted and	The addition of a three (3) million gallon tank and two (2) mobile generators would allow for sufficient additional water storage capacity, and provide back- up power to service the community until recovery occurs from any exigency that might befall the C	$3,950,000
25	C	9000	JOSHUA BASIN CWD	3610025	1	Groundwater basin in overdraft	Construct Surface Water Treatment Plant to minimize overdraft of groundwater basin	$2,200,000
25	C	9000	JOSHUA BASIN CWD	3610025	4	Booster stations undersized for current demands	Rehabilitate and reconstruct eight booster stations	$800,000
25	C	9000	JOSHUA BASIN CWD	3610025	3	No storage in remote parts of system	Construct 0.3 MG reservoir	$300,000
25	C	9000	JOSHUA BASIN CWD	3610025	2		Construct 0.5 MG reservoir and boosters	$700,000
25	C	9000	JOSHUA BASIN CWD	3610025	5	120,000 feet of mainline are undersize (<8in diameter) for fire flow	Replace mains with 8-in diameter pipe	$11,040,000
25	C	11185	Lindsay, City of	5410006	3	Two existing wells are used to meet demand when canal is taken off-line. Under normal conditions, these wells are only adequate to meet system demand.	Develop a plan to identify locations for two new wells, including drilling several test wells to verify quantity and quality.	$300,000
25	C	12138	City of McFarland	1510013	3	Two older wells need to be replaced	Drill a new well	$1,000,000
25	C	15132	McKinleyville C.S.D.	1210016	3	Lack of storage and system supply reliability	Install a 2.5-million gallon reservoir and standby well	$2,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	25528	Corcoran, City of	1610004	7	WATER SYSTEM EXPERIENCES WATER PRESSURE FLUCTUATIONS	INSTALL WATER STORAGE AND BOOSTER SYSTEMS, INCLUDING 1 MG RESERVOIR. OTHER - DESIGN AND CONSTRUCTION	$1,200,000
25	C	25528	Corcoran, City of	1610004	3	SERIOUS PRESSURE FLUCTUATIONS - SOUTHERN PORTION OF THE COMMUNITY DO NOT HAVE SUFFICIENT STORAGE CAPACITY.	INSTALL A 2 MG RESERVOIR AT BOOSTER STATION 3. OTHER - DESIGN AND CONSTRUCTION	$960,000
25	C	25528	Corcoran, City of	1610004	1	EXISTING WELL FIELD DOES NOT HAVE ROOM FOR ANOTHER WELL	IDENTIFY NEW WELL FIELD, PURCHASE LAND AND WATER RIGHTS.	$250,000
25	C	25528	Corcoran, City of	1610004	4	OLD MASTER PLAN WHICH DOES NOT INCLUDE THE SECOND PRISION (ADDITIONAL 2,200 GPM DEMAND)	NEW WATER SYSTEM MASTER PLAN	$100,000
25	C	25528	Corcoran, City of	1610004	6	GENERALLY NON-METERED, HOWEVER, NEW DEVELOPMENTS ARE METERED. THE METERED HOMES GREATLY REDUCE WATER USE	INSTALL METER SYSTEM WIDE. OTHER - DESIGN AND CONSTRUCTION	$1,800,000
25	C	34558	Marina Coast Water District	2710017	1	need sufficient long-term water supply for the Marina Airport	Replace inadequate 300,000 gallon reservoir to meet current and planned demands	$900,000
25	C	34558	Marina Coast Water District	2710017	3		Construct a 4,500 linear foot pipeline to supplement existing water line	$300,000
25	C	34558	Marina Coast Water District	2710017	5	1994 study identified major pipeline deficiencies in the water distribution system and estimated that 1/4 of the system needs replacement	Complete feasibility study of system infrastructure to identify corrective action to solve problem	$100,000
25	C	34558	Marina Coast Water District	2710017	6	Pipeline pressure losses in the water distribution system	Complete feasibility study of system infrastructure to identify corrective action to solve problem	$100,000
25	C	34558	Marina Coast Water District	2710017	4	DHS recommends general inspection of Sand Tank, Reservoirs C, D, & E, and the FAAF elevated tank as they are showing signs of failure	Conduct storage tank inspections and develop feasibility study	$75,000
25	C	34558	Marina Coast Water District	2710017	2	Bayer Tank is not being operated efficiently due to structural deficiencies	Replace Bayer Tank	$650,000
25	C	38500	Mission Springs WD	3310008	4	About 875 existing old plastic water service laterals between main and meter in the water system, serving Mission Lakes area, are leaking and required replacement.	Design and construction of 875+ new copper water service laterals to meet the WWS.	$590,000
25	C	75076	VALLEY COUNTY WATER DIST.	1910009	5	Consolidation of the Valley View MWC and Valley County WD is planned. Need to construct new interconnections and one domestic well.	Design and construct new system interconnections to combine the two water systems as well as at least one new groundwater well.	$800,000
25	C	173359	SAN BERNARDINO CITY	3610039	1	Replace older low production well	Construct new well Cajon Canyon	$400,000
25	C	173359	SAN BERNARDINO CITY	3610039	9	Alternative transmission facilities needed	Extend Lower Pressure zone transmission main in Medical Center Drive	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	C	173359	SAN BERNARDINO CITY	3610039	11	Tie-in new reservoir to system	Construct Cajon Blvd transmission line from Scott Labs reservoir to Ogden reservoir site	$1,900,000
25	C	173359	SAN BERNARDINO CITY	3610039	13	Booster facility needed	Construct new 7500 GPM Sycamore zone booster	$150,000
25	C	173359	SAN BERNARDINO CITY	3610039	15	Booster facility needed for Muscoy Drinking Water Restoration project	Construct 7500 gpm Ogden Labs booster	$150,000
25	C	173359	SAN BERNARDINO CITY	3610039	14	Transmission facility needed	Construct 36 inch 8500 ft Sycamore transmission main	$1,750,000
25	C	173359	SAN BERNARDINO CITY	3610039	3	Insufficient boosting capacity	Construct new Dally Sin Booster	$85,000
25	C	173359	SAN BERNARDINO CITY	3610039	16	Undersized transmission line	Construct 36 inch 4133 ft Crosstown transmission line	$867,000
25	N	8	HHW&P-Early Intake Cpd-SFPUC	3810006	1	Need backup filtration for high turbidity events for filtration avoidance.	Install membrane filtration system with appurtenent facilities.	$100,000
25	N	25	HHW&P-O'Shaughnessy Dam Cpd-SFPUC	3810005	1		Filtration system with appurtenent facilities.	$100,000
25	N	25	FRCCSD - TWAIN	3200154	1	Existing well has reportedly deminished summertime capacity. No documentation indicating water shortages or outages, however.	Increase source capacity through additional well.	$45,000
25	N	100	FCPG/KEARNEY PARK	1000094	1	PAST COLIFORM CONTAMINATION OF SYSTEM DUE TO NEW LINE INSTALLATION.	INSTALL A CHLORINATION SYSTEM AND A 10,000 GALLON PRESSURE TANK.	$45,000
25	P	48	Kneeland School	1200817	1	The submersible pump in the collection reservoir is over 15 years old.	Purchase a new pump.	$10,000
25	P	100	HOLT UNION ESD-HOLT SCHOOL	3901374	1	AVAILABLE WATER GREATLY EXCEEDS MANY SECONDARY STANDARDS	TREATMENT TO BRING WATER INTO COMPLIANCE WITH SECONDARY STANDARDS	$100,000
25	P	120	Nuestro School	5100142	1	System is over 30 years old. Repairs have been make-shift with various fittings and valves replaced in a "band-aide" manner. There are continuous problems and leaks.	Design and replace piping, fittings, and valves from the wellhead to storage tank to main outlet source.	$10,000
25	P	130	Casterlin School	1200546	2	Filter system with inadequate capacity.	Install filtration with increased capacity.	$70,000
25	P	175	Leggett Valley School	2300785	2	Old well and Mn & Fe treatment system in poor condition	Rehab well, new well pump, new Fe & Mn treatment system	$25,000
25	P	500	COUNTY FAIRGROUNDS	4400725	1	Tanks and wells outdated and deteriorated - system serves 300,000 persons a year	replace aged water tanks, upgrade or replace two wells	$200,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	3	Irrigation system not equipped with backflow assemblies	Locate service laterals and install backflow devices to protect system	$148,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	2	Inadequate backflow assemblies and meters throughout system	Install assemblies and meters	$40,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
25	P	2200	Inland Valley Development Agency-Norton	3610704	5	Improvements needed to Area 1 distribution system	Install overflows, clean and inspect storage facilities	$168,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	10	Standby equipment needs remediation	Remediate standby equipment	$20,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	11	Distribution system needs remediation	Construct mainline, inspect and repair storage facilities	$300,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	1	Safety climb devices on storage facilities inadequate	Install safety devices	$20,000
25	P	2200	Inland Valley Development Agency-Norton	3610704	8	Inadequate supply to off base housing area	Installation of backflow devices	$33,000
20	C	13	FRCCSD - HOT SPRINGS CSD	3200155	1	Declining production due to scaling.	Regular cleaning of the well casing and possibly provide continuous chlorination down the well casing.	$40,000
20	C	25	GOLDEN MEADOWS CSD	5201147	1	Old holding tanks and well causing some bacti problems	Install new pump and tank	$20,000
20	C	28	Evergreen Motel & Trailer Park	3200114	1	High Iron Content / Sediment - Water Storage	new submersible pump, filtration system, storage tank and pressure pump.	$30,000
20	C	30	AVALOS, SILVIA	3901213	1	NITRATE ON VERGE OF EXCEEDING MCL IN SMALL, ONE WELL SYSTEM	THEY ASK FOR TREATMENT; HOWEVER, CONNECTION WITH LARGE SYSTEM MUST BE EXPLORED FOR FEASIBILITY	$30,000
20	C	50	WOODFORDS MUTUAL WATER COMPANY	202503	1	Replace old well.	Pre-app for future unseen needs.	$10,000
20	C	50	Shasta View Heights Owners Association	4700630	2	We need to re-drill and re-line a collapsed lower shaft on well #1; replace structures housing wells #1 and #2 and re-connect well #1 to storage tanks by replacing destroyed piping lost in flood of 1997. Approximate pipe footage to replace is 3000 feet.		$75,000
20	C	54	PONDEROSA MOBILE HOME PARK	5500092	1	SYSTEM'S SOURCE CAPACITY COULD BE IMPROVED.	CONSTRUCT AN ADDITIONAL WELL.	$60,000
20	C	60	FAIRWAY DOWNS MUTUAL WATER CO	5800572	1	Spring 1997 rain and flooding has caused continuous and persistent bacteriological problems with the well for this system.	Install chlorination system.	$10,000
20	C	60	ALMOND PARK WATER SYSTEM	3900517	1	WELL IS OLD AND SYSTEM HAS NO AUXILARY POWER.	RENOVATE WELL, REPLACE PUMP, AND INSTALL AUXILARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	$450,000
20	C	60	BISHOP ACRES MUTUAL WATER COMPANY	1500434	1	Low pressure problems requires the construction of a new 20,000 gallon storage tank and to repair the bowls to help the system run above the 47% to 67% or preferred replace the bowls so that the system runs at 100%.	Install a 20,000 gallon storage tank and replace the bowls and any parts and labor that is needed.	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	60	EL RIO MOBILE HOME PARK	3900569	1	SYSTEM WANTS A SECOND (OR NEW?) WELL PRESSURE TANK AND MAIN	DRILL WELL, INSTALL PUMP, MAINS AND PRESSURE SYSTEM	$40,000
20	C	62	Lassen Mobile Home Park	1800524	1	The system has old pipes.	Replace old pipes.	$43,800
20	C	65	HODGE BROTHERS DAIRY	3700783	3	Deteriorating water quality and infrastructure. Need to determine best methods of treating water.	Sample analysis and various treatment options, and purchase and installation of treatment facility. Water treatment method and design new storage and piping facility.	$400,000
20	C	65	Hollydale Mutual Water Company	4900581	1	Single well source which is flooded and submerged for extended periods during floods. Water does not meet secondary standards.	System can be connected with Russian River CWD and annexed to District. Various leaking steel lines with be replaced and hydrants installed. Abandon existing well.	$750,000
20	C	75	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	3	Need to limit water consumption and to allocate charges related to individual consumption.	Install water meters at each improved lot.	$17,000
20	C	75	PINON HILL WATER COMPANY	1500540	3	Twenty-five year old steel distribution reservoir leaks at welded seam.	Replace reservoir.	$10,000
20	C	90	SHADY LAKE WATER ASSOCIATION	2900511	1	Need to replace redwood tank, coliform and need for additional storage	Replace tanks	$50,000
20	C	95	Orland Mobile H.P.	1100445	1	The water system has experienced numerous bacteriological water quality failures. The existing well has shown positive raw water bacteriological samples.	Drill new well and install new electrical and holding tank.	$15,000
20	C	100	VILLAGE GREEN	4500194	1	Need to upgrade and improve system.	Upgrade Chlorination process and distribution system.	$10,000
20	C	100	FLORISTON WATER SYSTEM	2900502	1	Spring source is ground water under influence, bacti MCL violations, Boil Order.	Treatment (filtering) facility should be installed. Design and construction involved.	$100,000
20	C	100	KERN VALLEY MUTUAL WATER	1500252	2	This water system has two active wells; well 02, and 03. Source water at well 03 has recurring documented TCR failures that resulted in coliform MCL violations within the last three years. Well 03 cannot be taken offline because Well 02 does not produce	Kern Valley water system proposes to consolidate with Erskine Creek water company. Erskine Creek is willing to consolidate.The system proposes to connect to Erskine Creek via construction and installation of an approximate 1000 ft pipeline; rehabilitatio	$325,000
20	C	100	WALNUT ACRES	3901113	1	SYSTEM NEEDS SYSTEM WORK TO BETTER DISTRIBUTE WATER	IMPROVE DISTRIBUTION SYSTEM AND INSTALL AUTO-TRANSFER SWITCH FOR AUXILIARY POWER UNIT. CONSOLIDATE WITH OTHER SYSTEMS. OTHER = DESIGN AND CONSTRUCITON	$500,000
20	C	105	MORADA ACRES WATER SYSTEM	3900512	1	SINGLE WELL SYSTEM WITH DETERIORATING STEEL LINE.	IMPROVE DISTRIBUTION SYSTEM WITH NEW, LARGER LINES. INSTALL AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEM. OTHER = DESIGN AND CONSTRUCITON.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	109	MORADA MANOR WATER SYSTEM	3900523	1	SINGLE WELL SYSTEM WITH DETERIORATING WELL.	REPLACE WELL AND INSTALL AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEM. OTHER = DESIGN AND CONSTRUCTION	$450,000
20	C	130	El Crystal Mobile Home Park	4900788	1	Aging infrastructure	Replace pipes and install meters	$50,000
20	C	150	Kirkwood Meadows Pubilc Utilit	210002	4	Inadequate distribution system.	Install main water lines from East Meadows III across Highway 88 and connect to KMA lines.	$100,000
20	C	150	ANZA PINES MOBILE HOME PARK	3301018	1	Inadequate water supply	See attached	$58,878
20	C	150	Willow Glenn Mobile H.P.	1100237	1	Low on source capacity.	Construct system improvements to correct problem.	$50,000
20	C	158	MORADA ESTATES PWS	3900722	1	DISTRIBUTION SYSTEM PRESSURE PROBLEMS	CONSTRUCT PRESSURE TANK AND BOOSTER PUMP. CONSOLIDATE WITH NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION.	$300,000
20	C	166	STRUVE RD WS #02	2700772	2	Well is sanding in.	Extend the main line from Pajaro/Sunny Mesa CSD to serve this water system	$200,000
20	C	198	HAT CREEK WATER COMPANY, LLC	4500022	2	Current storage inadequate and does not meet I.S.O. Standards.	Install 40,000 plus gallon gravity storage tank with associated piping, controls and pump.	$47,500
20	C	210	WOODRIDGE MUTUAL WATER CO	4500235	1	Need additional well, pipe system, pump and construction from wellhead to tanks.	New well and complete system to final usage.	$50,000
20	C	220	SAN JOAQUIN ESTATES MUTUAL	1500575	2	Waterlines (service lines) to various properties are breaking are having to be repaired.	Replace existing lines to every property, estimated cost of each line is $1,100	$66,000
20	C	250	MSA: EAST WALNUT GROVE PWS	3400106	2	Provide a new well and upgrade pipelines.	Construct 1,000 gpm well and upgrade pipeline distribution system. Involves design and construction.	$250,000
20	C	250	MSA: EAST WALNUT GROVE PWS	3400106	1	Provide a new storage tank.	Construct a 250,000 gallon water storage tank. Involves design and construction.	$250,000
20	C	255	Wildwood Mutual Water Company	5100109	1	Old lines subject to cause problems any day. Some valves are frozen and thus cannon be operated.	Replace old lines when needed.	$100,000
20	C	280	PEPPERMINT CREEK MHP #15	5500116	1	NEED TO INSTALL A STATIC MIXER, FILTER-TO-WASTE VALVE, BACKWASH METER, PLANT SHUTDOWN FEATURE, REPLACE SURFACE WASH SYSTEM, INSTALL ALARM SYSTEM, AND INSTALL PARTICLE COUNTER.	THE ABOVE ITEMS NEED TO BE INSTALLED TO IMPROVE THE PERFORMANCE AND RELIABILITY OF THE TREATMENT PLANT TO INSURE COMPLIANCE WITH THE SWTR.	$32,000
20	C	280	COUNTY SERVICE AREA 11	4100582	1	In dry year, low water supply; need to improve water supply reliability.	Consolidate with another system. (Pescadero High School)	$50,000
20	C	280	Greenhorn Creek Services District	3200188	3	Potential need for new booster station, decreased production at Well 02, dead ends.	Well 02 rehab, addition of booster station on Greenhorn Road, other distribution system improvements.	$415,875

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	300	BADGER HILL ESTATES	5400710	1	LACK OF CAPACITY AS SUBDIVISION DEVELOPS	INCREASE STORAGE CAPACITY, INCREASE PUMPING CAPACITY AND DRILL NEW WELL.	$500,000
20	C	304	Pine Grove Water System	1700526	1	Surface influenced spring. Subsized distribution system. Leaking storage tanks.	Hire hydrologist and spring developer to encase and enhance spring. Put liners in tanks. Rebuild distribution system.	$100,000
20	C	400	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	3	Present chlorine facilities are dangerous and do not meet safety standards (gas chlorine) or fire department restrictions.	Convert eight sites to alternate disinfection systems.	$246,000
20	C	400	Big Rock C.S.D.	800532	1	System is experiencing increased water loss. System personnel unable to ascertain the nature and location of the losses.	Conduct a systems analysis to determine loss locations. Repair and reconstruct problem areas.	$135,000
20	C	400	Big Rock C.S.D.	800532	4	The Big Rock CSDs water distribution system was installed in 1971 to satisfy the residential, commercial, and fire-suppression needs of the Township of Hiouchi. It has been improved to a small extent over the years, but is generally nearing the end of i	The Special Districts water source is the Smith River, a wild and scenic body of water that is not fully allocated, and our allocation limit is a little over 41 million gallons per year. An application with the California Water Resources Control Board	$800,000
20	C	400	Big Rock C.S.D.	800532	3	The Big Rock CSD currently owns two Redwood storage tanks that are about 300 yards distant from each other on a hillside, which cycle water during the summertime about every four or five days. A 100,000 gallon tank was built in 1971 and is leaking at the	The Special District needs to replace the 100,000 gallon Redwood tank with a 215,000 gallon or larger steel tank. The 50,000 gallon Redwood tank must be replaced with a 100,000 gallon or larger steel tank. The aging water distribution lines between them	$450,000
20	C	400	Big Rock C.S.D.	800532	5	The Big Rock CSDs water distribution system was installed in 1971 to satisfy the residential, commercial, and fire suppression needs of the Township of Hiouchi. It has been improved to a small extent over the years, but is generally nearing the end of i	The precise scope of construction is not entirely definable at this juncture, for an engineering plan must be developed. However, it is estimated that the Special District owns and operates about 10 miles of water distribution lines, 40 main valves, 15 b	$2,450,000
20	C	510	STARLITE PINES MUTUAL WATER CO INC	4500195	1	Lack of chlorinator on second well, and lack of emergency generator not fulfilling Section 64560(a)(2) (protect the quality of the water) and Section 64560(a)(6) (minimize the effects of power supply failure) of the Waterworks Standards.	Install chlorinator and emergency generator to provide the reliability required by the Waterworks Standards.	$10,000
20	C	510	STARLITE PINES MUTUAL WATER CO INC	4500195	4	Mutual has deficiencies that are eligible for SRF funding and not covered in any of the other SRF categories including improvement or repacement of storage facilities and provision of backup or reliablity features.	1) Upgrade security; fencing, doors, & alarm system. 2) Imrovement or replacement of storage facilities. 3) Provision of backup or reliablity features; update generator & automatic transfer switch.	$100,000
20	C	510	STARLITE PINES MUTUAL WATER CO INC	4500195	2	More storage is needed.	Dig and complete new reservoir and enclose in storage house.	$42,000
20	C	644	CalAm - Walnut Grove	3410047	1	General system improvement. Inadequate supply main.	Grand Avenue main replacement. Involves design and construction.	$120,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	725	WOODVILLE FARM LABOR CENTER	5400792	1	Needs new pressure tank - the old elevated tank is 60 years old and shows signs of physical deterioration.	installation of new 10,000 gal. Pressure tank	$35,000
20	C	769	City of Etna	4710004	1	Distribution lines are old; storage tank is not large enough for summer demands; and intake facilities have deficiencies that are limiting flows.	Replace lines; increase storage; and improve intake facilities.	$200,000
20	C	840	Hillsview Homes	5010007	2	The TDS level of the drinking water from two well sources are above current drinking water standards.	Install RO unit to remove TDS, install 500,000 gallon storage tank with booster pumps and auxilliary generator	$1,285,000
20	C	840	Hillsview Homes	5010007	3	One well has nitrate levels above MCL. Both wells contain TDS levels, which also exceed standards.	Install reverse osmosis treatment with 0.5 million gallon storage tank and boosters to supply existing system. Also purchase and install backup power generator.	$1,300,000
20	C	840	Hillsview Homes	5010007	1	HIGH TDS SOURCE WATER. HIGH NITRATES HAVE NECESSITATED THE ABANDONMENT OF MOST WELLS IN WESTLEY.	DRILL NEW WELL IN LAIRD PARK AREA WHERE GOOD WATER IS AVAILABLE AND PIPE IT TO WESTLEY.	$1,300,000
20	C	861	San Joaquin County - Wilkinson Manor	3910024	2	WELL 1 ON STAND-BY DUE TO HIGH URANIUM LEVELS. MORE WATER NEEDED.	IMPROVE DISTRIBUTION, CONSTRUCT NEW WELL AND ADD AUXILIARY POWER. CONSOLIDATE WITH SEVERAL NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	$600,000
20	C	900	MALAGA COUNTY WATER DISTRICT	1010042	3	WELLS OPERATE INDEPENDENTLY AND DO NOT HAVE AVAILABLE REMOTE MONITORING OR CONTROL. POTENTIAL PROBLEMS DUE TO LOSS OF POWER OR MECHANICAL FAILURE.	INSTALL SCADA SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$100,000
20	C	975	River Island Service Terr #1 [Del Oro Water Co.]	5400665	1	HIGH RADON LEVELS IN WELLS, TURBIDITY PROBLEMS, BACTERIOLOGICAL FAILURES, VARIABLE WATER PRESSURES THROUGHOUT SYSTEM, AND PERIODIC INABLILTY TO MEET DEMAND.	INSTALL FILTRATION AND CHLORINATION SYSTEMS, 200,000 GAL. STORAGE TANK, 11,000 LF OF 8" C-900 PIPE AND CENTRAL PUMP CONTROL SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$440,000
20	C	1100	DEL REY COMMUNITY SERV DIST	1010035	2	VERY HIGH DEPT RATIO FOR SMALL COMMUNITY.	REFINANCE EXISTING LOANS.	$2,911,500
20	C	1200	Penngrove Water Company (PUC)	4910003	2	Use of expensive Agency water	Consolidate to Canon Manor system	$1,200,000
20	C	1300	McCloud C.S.D.	4710006	4	replace 80 year old distribution system about 30 miles in lenth		$5,000,000
20	C	1495	City of Montague	4710007	1	Present storage tank is old and deteriorated. It was purchased as military surplus and placed in service in mid 1950s. The tank has approximately 1500 patches welded in place.	Construction of new 0.75 million gallon steel storage tank.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	1670	Fieldbrook Glendale C.S.D.	1210020	1	Lack of water to an area within the District.	Install a water main, pump station and storage tank.	$1,000,000
20	C	1879	Quincy Community S.D.	3210004	2	1997 Water Improvement Project	Install new water mains, valves, meters, hydrants	$1,300,000
20	C	1879	Quincy Community S.D.	3210004	1	Spring and spring transmission line needs protection from erosion and vandalism.	New well and spring transmission line replacement.	$1,500,000
20	C	1923	City of Dunsmuir	4710002	2	Infiltration and inflow high, lack of storage	Infiltration and inflow study, design repairs, construct storage	$1,500,000
20	C	2000	MARIPOSA PUBLIC UTILITY DIST	2210001	1	THE SAXON CREEK RAW WATER PUMP STATION IS SUBJECT TO FLOODING FROM THE MERCED RIVER. IT WAS FLOODED DURING THE JANUARY 1997 FLOOD CAUSING ABOUT $500,000 DAMAGE.	RELOCATE THE AIR VENTILATION SYSTEM AND CONSTRUCT A CONCRETE ENCASEMENT AROUND EXPOSED CONDUITS.	$163,000
20	C	2500	Cobb Area County Water District	1710012	1	Boggs Spring needs redevelopment.	Bring in contractor specializing in spring redevelopment.	$25,000
20	C	2500	City of Portola	3210003	1	Old deteriorated mainline in many areas. Chlorination system beyond its useful life. Fire hydrants undersized in some areas. Many service lines are deteriorated.	Replace deteriorated mainlines. Replace chlorination equipment. Install fire hydrants. Replace service laterals.	$774,000
20	C	2568	Smith River C.S.D.	810002	2	Pressure problems.	Complete a mainline loop with approximately 1,100 feet of 8-inch pipe.	$70,000
20	C	2568	Smith River C.S.D.	810002	1	Extensive erosion to Rowdy Creek source.	Repair stream bank.	$100,000
20	C	3000	ALPINE WATER USERS ASSOCIATION	3610002	1	Refinance existing loan for distribution system improvements	Refinance	$1,900,000
20	C	3239	Armona Community Services Dist	1610001	3	SYSTEM CONSISTS OF 2 WELLS AND A WTP AND STOARAGE FACILITIES WHICH ARE UNDER CONSTRUCTION. THE DISTRICT DOES NOT HAVE THE MEANS TO MONITOR THESE FACILITIES.	INSTALL A SCADA SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$80,000
20	C	3239	Armona Community Services Dist	1610001	1	NO STORAGE FOR FIREFLOW OR PEAK DEMAND	INSTALL TWO NEW STORAGE TANKS. OTHER - DESIGN AND CONSTRUCTION	$400,000
20	C	5200	Lakeport, City of	1710004	1	CT compliance difficult for wells under the influence of surface water.	Increase CT at well facilities by increasing storage.	$600,000
20	C	5250	City of Williams	610004	3	Sand traps on wells are worn out.	Replace existing sand traps on wells.	$45,000
20	C	5412	Montara Water and Sanitary District	4110010	10	System requires an upgrade of controls and instrumentation.	Controls and instrumentation	$47,000
20	C	5412	Montara Water and Sanitary District	4110010	11	School house storage tank building is unreliable and needs replacement.	Replace and upgrade school house tank building.	$393,000
20	C	5412	Montara Water and Sanitary District	4110010	12	System requires an additional storage tank for distribution system upgrades.	School house tank site additional 650,000.	$405,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	5812	Holtville, City of	1310005	1	Watermain breaks have resulted in numerous water outages. See attachment description (attachment 1)	Replace existing deteriorated and restricted cast iron water pipelines. See attached description and water system improvement map (attachments 2 and 3).	$4,134,542
20	C	7218	TEHACHAPI, CITY OF	1510020	6	The City water system is feed by 7 potable water wells. One of those wells (Synder Well) consistently produces water with nitrate levels above the MCL (Maximum Contaminant Level) of 45 ppm (parts per millions) with a reading of 51ppm.. A second well (De	The project consists of constructing a nitrate treatment plant capable of treating probably around 1000 to 1500 gpm. The City has already prepared a suitable location for the plant at the same site where the City samples for the blending program. The pl	$3,066,000
20	C	7500	TRACT 349 MUTUAL WATER CO.	1910160	1	The demand for water in the highly densified area we serve is outpacing our ability to maintain reasonable system pressure.	Enlarge our pump stations' pumping capacity and add new IMG reservoir. Project involves: Design to solve problem, and Construction	$950,000
20	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	7	Currently, the Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) has a number of issues to overcome related to the reliability and delivery of water to its population, as well as the economic viability of bringing its system up to	This planning study would address the economic viability of consolidating 5 small water systems within the existing Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1), as well as the long term, critical need of reliability regarding	$300,000
20	C	10247	TUD - Sonora/Jamestown Water System	5510001	5	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	$18,000
20	C	14005	City of Red Bluff	5210004	10	Low water pressure, low fire flows and single line feed to the area's only hospital and medical complex.	Install a new well to supplement existing system.	$200,000
20	C	14005	City of Red Bluff	5210004	7	Low on source capacity in zone near 3MG reservoir.	Drill and construct a new well near the 3MG reservoir.	$200,000
20	C	14005	City of Red Bluff	5210004	12	Poor condition and leaks in 6" waterline in Garryana Drive.	Replace 6" waterline.	$30,000
20	C	14005	City of Red Bluff	5210004	13	Poor condition and leaks in 6" waterline in Hickory Street.	Replace 6" waterline.	$20,000
20	C	14005	City of Red Bluff	5210004	1	Cybernet computer model needs updating and calibration to field data.	Hire a computer water system consultant to improve existing model.	$20,000
20	C	14005	City of Red Bluff	5210004	15	Poor condition and leaks in 6" waterline in First Street.	Replace 6" waterline.	$20,000
20	C	14005	City of Red Bluff	5210004	2	Existing SCADA system inadequate for system needs.	Complete redesign and installation of SCADA system.	$252,400
20	C	14005	City of Red Bluff	5210004	14	Poor condition and leaks in 6" waterline in Monroe Avenue.	Replace 6" waterline.	$30,000
20	C	14501	Shafter, City of	1510019	2	WATER QUALITY PROBLEMS	CONSTRUCT NEW WELL TO REPLACE WELL #10. OTHER - DESIGN AND CONSTRUCTION	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	16349	Avenal, City of	1610002	4	SEVERAL OUTAGES OF THE 12" EMERGENCY/BACKUP PRESSURE PIPELINE CAUSING OPERATIONAL AND MAINTENANCE PROBLEMS. THE EXISTING 12" PIPELINE CATHODIC PROTECTION SYSTEM IS NON-OPTERATIONAL	INSTALL A NEW PRESSURE PIPELINE TO PROVIDE EMERGENCY/BACKUP SYSTEM AND FUTURE WATER SUPPLY TRANSMISSION SYSTEM AS GROWTH REQUIRES. OTHER - DESIGN AND CONSTRUCTION	$4,260,000
20	C	16349	Avenal, City of	1610002	5	NO INTERIOR OR EXTERIOR COATING REPAIRS ON THE 5 STORAGE TANKS WITHIN THE SYSTEM. THE INTERIOR AND EXTERIOR TANK COATINGS HAVE COME TO THE END OF THEIR DESIGN LIFE.	INTERIOR AND EXTERIOR SURFACES OF THE WATER STORAGE TANDS WOULD BE SANDBLASTED AND CLEANED WITH EXISTING CATHODIC PROTECTION SYSTEMS WOULD BE INSPECTED AND REPLACED AS NEEDED. OTHER - DESIGN AND CONSTRUCTION	$570,000
20	C	19500	CITY OF ADELANTO	3610001	1	Making transition from wells in overdrafted basin to receiving state project water via the aqueduct	Construct SWTP to treat water from the aqueduct	$24,000,000
20	C	19696	HI DESERT WD	3610073	1	Old, substandard mainline	Accelerate 12 year replacement plan to 2 years	$10,000,000
20	C	23950	CWS - Selma	1010024	2	WELL 15-01 HAS DBCP AND RADIOACTIVITY CONTAMINATION OVER MCLS. ITS REACTIVATION WOULD INCREASE THE SYSTEM'S SOURCE CAPACITY AND AVOID THE NEED TO CONSTRUCT A NEW WELL.	DESIGN AND CONSTRUCT TREATMENT FACILITIES.	$750,000
20	C	24900	East Niles CSD	1510006	5	Wells that need to be used for blending arsenic concentrations (not over the MCL) need to be replaced	Replace two old storage tanks that will be used for blending	$420,000
20	C	24900	East Niles CSD	1510006	6	A well casing collapsed resulting in loss of pump and well.	Drill a new well	$750,000
20	C	24900	East Niles CSD	1510006	2	Loss of source due to Arsenic (550 gpm). Well No. 17 is now classified as inactive because Arsenic levels exceed 50 ppb MCL.	Drill a new well to a different depth and seal all but selected zone.	$300,000
20	C	27597	Alco Water Service	2710001	1	System needs six disinfection facilities for well sites.	Install disinfection facilities & equipment at six well sites.	$30,000
20	C	45892	City of Brentwood	710004	10	Repalce manually controlled well valves with electronically controlled ones.	Replace the valves currently used with electrically operated ones.	$30,000
20	C	45892	City of Brentwood	710004	15	Install a SCADA system for water system automation.	Obtain and install a SCADA system to insure automated notification of system problems/	$500,000
20	C	45892	City of Brentwood	710004	17	Provide potable water to a local park.	Connect well #9 to the city water distribution.	$250,000
20	C	45892	City of Brentwood	710004	7	Abandon the sub-standard private wells that may cause contmination to the aquifer where city uses for domestic water supply.	Sealing of shallow wells to eliminate the possibility of contamination.	$1,150,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	C	45892	City of Brentwood	710004	16	Install chloramination systems at the wells to avoid potential water quality problems when mixing with the DWD chloraminated water.	Install equipment at each well site for chloramination in order to have our well water be compatible with the Randall-Bold treated water	$450,000
20	C	45892	City of Brentwood	710004	14	replace old and unreliable water meters with new ones.	Replace approximately 3500 outdated leaking inaccurate and unreliable meters.	$1,400,000
20	C	80000	Humboldt Bay MWD	1210013	3	Rehabilitate Ranney Collectors	The Ranney wells are over 40 years old and significant degradation and deterioration has occurred. Rehab work and installation of new laterals is required to maintain existing supply source to the regional drinking water system.	$2,500,000
20	N	25	COUNTRY CORNERS	3301946	1	Well in a business unit with a 5000 gallon storage tank.	Update system.	$10,000
20	N	25	TURTLE ROCK COUNTY PARK	202519	1	Replace old leaking tank.	Design and install a new 15,000 gallon steel tank meeting current AWWA standards.	$24,000
20	N	25	SAN MATEO COUNTY MEMORIAL PARK	4100536	1	Wishes to take over a system that has unfiltered surface water with coliform bacteria present.	Construct new water main. Feasibility study to consolidate water systems.	$100,000
20	N	55	Covington Mill - A	5301103	4	The water ditch which provides secondary water has a slide which needs repair and water quality pipe replaced. Also need repairs to headgate.	Cut a new shelf around 200 to 300 feet using backhoe or small cat. Clean out headgate. Put in new 6-inch PVC pipe	$12,000
20	N	55	Covington Mill - A	5301103	1	Existing 22,000 gallon wooden water tank will not be able to meet the demand of up to 50 service connections expected by the year 2000.	Replace existing tank with a 53,500 gallon steel water tank.	$40,000
20	N	55	Covington Mill - A	5301103	3	The existing flat rate water system does not support water conservation and is not equitable in terms of user fees versus water usage.	Design and install a water meter on each service connection.	$20,000
20	N	100	Sawyers Bar County Water District	4700517	1	Water intake at Jessup's Gulch is old and deteriorated.	Rebuild intake.	$10,000
20	N	100	HAMILTON STREET PARK	3400359	1	Turbine pump is worn and needs to be replaced; installed in 1977; rated 49 percent efficiency	replace with submersible pump	$15,000
20	N	215	Barstow Calico KOA	3600409	1	Well sanding	Construct new well	$10,000
20	P	35	MJUSD-South Fork Elementary School	2500514	1	The wellhead is presently below grade, producing the potential for contamination. Hard water results in calcium deposits on fixtures.	Redesign and build wellhead to raise it above grade to reduce potential for contamination. Add water treatment to system to remove hard water and eliminate calcium deposits.	$21,895
20	P	40	Deep Springs College	1400068	4	Hard water	Install new treatment system	$10,000
20	P	70	KIDS KOUNTRY PRESCHOOL	1503256	1	WELL - NO BACK UP SOURCE - LOW SOURCE - LOW PRESSURE	CONSOLIDATE WITH CALIFORNIA WAER SERVICE	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
20	P	90	MULBERRY UNION SCHOOL	1300556	1	Our well water cannot b used for anything involving student contact; we purchase expensive water for washing and drinking.	We propose to analyze the water, and design a system to filter and purify it to meet standards.	$100,000
20	P	119	TEHACHAPI CHURCH OF THE NAZARENE	1502753	1	Coliform contamination of well. Unconfirmed E. coli.	Interconnect to another public water system or provide adequate disinfection contact time.	$100,000
20	P	227	TOMALES HIGH SCHOOL	2100538	2	Research the feasibility of consolidating three of the school districts public water systems; Tomales High School (2100538), Tomales Elementary School (2100560) and Shoreline School Dist. Bus Garage (2100577). Consolidate and develop new sources, and in	Research, design, install a new distribution system. Project will include engineering, design, installation or treatment and control systems, installation of new distribution system and monitoring. Project to include approximately 5,000 feet of 8 inch wa	$750,000
20	P	435	Wright Elementary School	4900694	1	Small school wants to connect to City	Connect	$400,000
15	C	0	Kern County Water Agency	1510040	1	DISTRICT WILL REDUCE GROUNDWATER PUMPING BY REPLACING WITH SURFACE TREATED WATER. THIS IS AN IN-LIEU PROJECT TO PROTECT OUR GROUNDWATER.	INCREASE CAPACITY OF EXISTING PIPELINE BY REDUCING PUMPING HEAD.	$750,000
15	C	35	SOUTH KERN MUTUAL WATER COMPANY	1500344	1	Future replacement of all or part of system as the result of a natural or man made disaster or unseen problem.	Call S.A. Camp Pump Co. and have them fix it. OTHER - Design and Construction	$250,000
15	C	40	Covington Mill MWC-Division B	5301104	1	Need larger facilities to accommodate full time residents and expansion.	Drill an additional well and have additional storage facility.	$150,000
15	C	48	MINERAL MOUNTAIN MUTUAL WATER	500019	1	SYSTEM FEELS IT NEEDS A NEW WELL	DRILL NEW WELL, INSTALL PUMP AND CONNECT TO SYSTEM	$12,500
15	C	48	MINERAL MOUNTAIN MUTUAL WATER	500019	4	CAN'T REGULATE WATER IN STORAGE.	INSTALL TELEMETRY TO LINK TANK WITH PUMP CONTROLS	$10,000
15	C	48	MINERAL MOUNTAIN MUTUAL WATER	500019	3	NO SHED OVER PUMP AND NO FENCING OF WELLSITE	CONSTRUCT SHED OVER WELL AND PUMP AND FENCE WELL SITE.	$10,000
15	C	50	PAPPAS & CO (FARM HOUSING)	1009006	1	THE 10,000 GALLON STORAGE TANK IS RUSTED OUT. NEED A REMOTE AUTO DIALER FOR EMERGENCY CONDITIONS.	REPLACE THE DETERIORATED STORAGE TANK AND INSTALL AN AUTO DIALER.	$21,200
15	C	86	BELMONT WATER CORPORATION	1000004	1	DBCP levels exceed the MCL. Backup well occasionally has high levels of coliform.	Deepen the existing well or drill a new well.	$30,000
15	C	99	BERRY CREEK COMMUNITY SER DIST	400016	2	Water system wells have sanding problems.	Install sand separators on wells.	$20,000
15	C	100	Westside Housing & Eco. Network	1009026	2	Old and undersized pipes (50-70 years)	Install new pipes	$307,000
15	C	100	Shadow Mountain MHP	4700803	1	Well pumps are old and deteriorated and near the end of their useful life.	Replace old well pumps with new pumps.	$20,000
15	C	100	Riebli Mutual Water Company	4900603	1	Current method of purification is by chlorination which leaves an undesirable taste.	Replace chlorinators with UV.	$60,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	100	SOULTS MUTUAL WATER CO.	5400805	1	WELL CONTAMINATED WITH COLIFORM., LEAKING DISTRIBUTION SYSTEM, LOW WATER PRESSURE.	REPLACE DISTRIBUTION SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$75,000
15	C	100	SOULTS MUTUAL WATER CO.	5400805	3	One nitrate result exceeded MCL in April 2004. However, more documentation is needed to move into Catagory F	Deepen existing well or drill new well.	$150,000
15	C	135	Abrams Lake Mobile Estates	4700542	1	Various water system components are old and near the end of their useful life.	System replacement	$50,000
15	C	140	BELLEVIEW OAKS MUTUAL WATER CO	5500042	3	NEED TO EXPAND SOURCES OF WATER. THE WELLS DRAW DOWN TO MARGINAL LEVELS IN AUGUST AND SEPTEMBER.	DRILL A NEW WELL, INSTALL A PUMP, AND CONNECT IT TO THE SYSTEM.	$31,000
15	C	140	BELLEVIEW OAKS MUTUAL WATER CO	5500042	1	NO DIRECT PIPELINE EXISTS FROM THE WELLS TO THE STORAGE TANKS. NO CHLORINE CONTACT WILL BE PROVIDED IF DISINFECTION IS EVER REQUIRED.	INSTALL 5,800 FEET OF 6 INCH DIAMETER LINE FROM THE WELLS TO THE STORAGE TANKS.	$290,000
15	C	140	BELLEVIEW OAKS MUTUAL WATER CO	5500042	4	NEED TO REPLACE OLD SERVICE LINE DUE TO RUST AND SAND PROBLEMS.	INSTALL 5,200 FEET OF NEW LINE.	$260,000
15	C	140	BELLEVIEW OAKS MUTUAL WATER CO	5500042	2	NEED LARGER STORAGE IN CASE OF PUMPING FAILURE AND/OR DISINFECTION CONTACT TIME IS REQUIRED.	REPAIR AND/OR REPLACE AGING STORAGE TANK AND INSTALL NEW 100,000 GALLON TANK.	$238,000
15	C	140	SUNRISE MUTUAL WATER CO.	5400881	1	LACK OF SUFICIENT WAER PRESSURE TO ALL OUTLETS ON A CONSTANTS BASIS.	INSTALLATION OF A LARGER CAPACITY STORAGE UNIT AND LABOR SIZE MORE MODERN MAIN LINES AND IMPROVED SERVICE LINES	$185,000
15	C	150	IVERSON & JACKS APTS WS	2701068	1	Water system has no storage. Needs 65,000 gallons storage.	Install storage tanks.	$80,000
15	C	200	BIG CREEK COMMUNITY SERV DIST	1000005	1	CURRENTLY USING UNFILTERED SURFACE WATER TO SUPPLY THE SYSTEM.	DRILL WELLS, ELECTRICAL TO PUMPS, PROVIDE PIPES, INSTALL DUAL SYSTEM (HOUSEHOLD AND AGRICULTURAL), INSTALL WATER MAINS. OTHER - DESIGN AND CONSTRUCTION	$200,000
15	C	200	BIG CREEK COMMUNITY SERV DIST	1000005	2	Water mains are old and antiquated. System has experienced major leaks.	Replace approximately 5000 feet of distribution main pipeline.	$40,000
15	C	200	ROUGH & READY MHP WATER SYSTEM	2900530	1	Needs storage, needs new distribution system and well.	Construct new distribution system and well.	$75,000
15	C	249	Black Butte Water Co.	1100404	1	One single well. There is a need for fire protection by increasing water volume availabity.	Drill an additional well and install related support equipment.	$55,000
15	C	250	STUART WATER COMPANY	3700422	1	Repair underground storage tank. Repair/replace asbestos pipes and pump house.	Hire licensed contractor after bidding process.	$50,000
15	C	250	Lukins Brothers Water Company	910007	4	No backup storage.	Install tank with supply pump and generator at Well 4.	$400,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	250	Lukins Brothers Water Company	910007	5	Old, worn rotting pipes throughout system	Upgrade distribution	$500,000
15	C	250	Lukins Brothers Water Company	910007	2	Old pipes for water main.	Install new lines.	$4,500,000
15	C	260	FIDDLETOWN COMMUNITY SERVICE	300019	1	TANK IS OLD AND IN NEED OF REPLACEMENT OR REPAIR	REPAIR OR REPLACE TANK	$40,000
15	C	300	Owens Valley Water Company	1400005	3	Sand in drinking water	Install sand separator	$10,000
15	C	300	MD#46 AHWAHNEE RESORTS	2000293	1	THE SYSTEM MUST BE CHLORINATED TO MEET THE TCR. ITS RELIABILITY COULD BE IMPROVED BY THE INSTALLATION OF TWO NEW WELLS AND A TELEMETRY SYSTEM.	INSTALL TWO NEW WELLS AND A TELEMETRY SYSTEM.	$130,000
15	C	300	Owens Valley Water Company	1400005	2	Dilapidated wooden fence surrounding water system facilities leaving them vulnerable to vandalism	Construct new chain link fence to protect water system facilities from vandalism	$10,000
15	C	310	Pine Mountain Mutual Water Co.	2300591	3	System needs engineering studies for future construction and maintenance and compliance with DOHS requirements.	Hire engineer to conduct studies and surveys.	$14,000
15	C	310	Pine Mountain Mutual Water Co.	2300591	2	Some sources not currently being used are subject to seasonal surface infiltration (wells 1,2,4 and spring). These are unapproved sources.	Install approved filter and monitoring systems for these water sources.	$28,000
15	C	336	Sutter Co. WWD#1 (Robbins)	5100107	4	The existing distribution system for the Community of Robbins currently charges its customers a flat monthly fee for water consumption. The County has had problems with excessive use and waste of the Communitys water supply. The County has installed seve	The project will include the purchase and installation of 100 touch read water meters and associated appertunances on the existing water distribution service laterals.	$175,000
15	C	340	ARBOR MOBILE HOME PARK	3900831	2	SYSTEM LACKS FIRE FLOW DESIRED BY FIRE DEPARTMENT	BUILD 80,000 GALLON STORAGE TANK. OTHER = DESIGN AND CONSTRUCTION	$100,000
15	C	353	Rabb Park Community Ser. Dist.	310015	1	LOW PRESSURE, INADEQUATE FIRE FLOW, NO METERS.	INSTALL NEW PIPELINES, HYDRANTS AND FLOW METERS. OTHER = DESIGN AND CONSTRUCTION	$10,000
15	C	353	Rabb Park Community Ser. Dist.	310015	3	71 SERVICES HAVE NO METERS.	INSTALL METERS	$14,100
15	C	420	Clear Creek CSD-Westwood	1800512	4	Surface water supply is exposed to microbial, rodents, air borne pathogens and accident debris from highway 147 above the water source.	Improve clear creek spring source structure.	$20,000
15	C	499	SAN SIMEON CSD	4000568	1	Sea water intrusion from over pumping of ground water.	Additional wells and Desal Plant	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	499	SAN SIMEON CSD	4000568	3	Existing 8" line too small. Insufficient pressure and flow to customers	Construct 2400' upgraded parallel line.	$280,000
15	C	499	SAN SIMEON CSD	4000568	4	Additional storage is required to meet fire flow requirements	construct additional storage tank for the fire flow requirements	$600,000
15	C	515	Sierra Brooks PSD	4600009	2	See Attached	Provide additional source capacity and distribution improvements	$1,800,000
15	C	820	Cuyama Community Services District	4210009	3	Water lines are old, corroded and deteriorating. Leaks are frequent.	New water lines need to be put in to replace the old lines.	$2,000,000
15	C	856	City of Loyalton	4610001	1	Many problems with distribution system.	Hire an engineer to evaluate problems.	$50,000
15	C	1020	Hopland Public Utility District	2310010	2	Approx 60% of main lines are steel lines which have been in the ground since 1950.	Replace old distribution lines.	$1,000,000
15	C	1020	Hopland Public Utility District	2310010	3	Need additional storage to connect to and serve the Pomo Indian Reservation which approx. 4 miles east of Hopland.	Add additional storage tanks and force main to reservation.	$3,000,000
15	C	1119	Shasta Co. Service Area #6	4510004	2	The Jones Valley water treatment plant has had ongoing telemetry and control problems. Some of the electronic valves are now obsolete-parts are not available for repairs. The existing software will not interface properly with the plant resulting in tank	The proposed project will replace the obsolete electronic controls with a new PLC and updated software and parts to better automate plant operation. The controls upgrade will prevent excessive water waste by properly controling plant backwash cycles and	$80,000
15	C	1500	Pratt Mutual Water Co	5410033	1	WATER METERS	INSTALL WATER METERS. OTHER -DESIGN AND CONSTRUCTION	$180,000
15	C	2025	Lower Lake County Water District	1710010	4	20 year old redwood tank at cache Creek plant. Relocated from another site and never sealed with use. Security risk.	Replace clearwell with 100K steel tank with bolted and locked lids.	$70,000
15	C	2103	Caruthers Comm Serv Dist	1010039	4	INADEQUATE SUPPLY DURING SUMMER MONTHS	INSTALL WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	$450,000
15	C	2500	Mountain Gate C.S.D.	4510002	1	Need increased filter capacity; need pre-filtration Chlorination; and need system control.	Install filter vessel; Chlorinate at source pumps, and upgrade existing pump controls.	$1,750,000
15	C	2535	Borrego WD	3710036	2		The pump house rehabilitation and facilities surveillance project proposes to replace eleven dilapidated pump house buildings, oleander hedges and chain link fences with modern, tightly sealed metal structures surrounded by security fencing and desert nat	$886,584
15	C	2645	Chester Public U.D.	3210009	1	Undersized 4" mains are creating low pressure during high demand periods.	Replace 3,600 feet of 4" mains with 6" mains.	$90,000
15	C	2645	Chester Public U.D.	3210009	2	The District's source capacity of 1,363-gpm is nearly equal to it's maximum day demand of 1,319-gpm.	Drill and develop at least one additional well including land purchase, pump, and controls.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	2885	Sutter Community S.D.	5110007	1	Lack in storage capacity. Lack of standby power for well sources. Need to replace AC and galvanized water lines in system.	Construct one million gallon storage tank. Installation of three standby power units. Replace 2,100 lineal feet of 6" water line and 31 water service laterals.	$888,000
15	C	3185	Yuba City Groundwater Region 1	5115001	2	aging GW treatment plant, poor yield well	rehabiliate GW treatment plant & construct new well	$250,000
15	C	3422	City of Wheatland	5810004	2	Steel water lines dating back to early 1900's are in disrepair.	Install new PVC mains, 9300 feet total.	$500,000
15	C	3434	TUD - Upper Basin Water System	5510012	10	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	$18,000
15	C	3554	Weaverville C.S.D.	5310001	4	Open ditch that supplies water to West Weaver Treatment Plant is vulnerable to contamination.	Replace the open ditch with approximately 5,500 feet of 8-inch water main.	$220,000
15	C	3554	Weaverville C.S.D.	5310001	6	Miscellaneous water mains in distribution system are old and deteriorated.	Replace water mains.	$446,000
15	C	3554	Weaverville C.S.D.	5310001	7	The West Weaver Creek pressure zone has only one source of supply. An interconnection with the East Weaver Creek pressure zone will increase the source reliability for the West Weaver Creek pressure zone.	Construct water main intertie between West Weaver Creek and East Weaver Creek pressure zone. Refurbish PRV station.	$29,000
15	C	3800	Brooktrails Township CSD	2310009	2	Backwash water flows into Willits Creek	Build Backwas Pond's recycle backwash water to Lake Ada Rose or plumb backwash water into sewer.	$130,000
15	C	3967	CalAm - Arden	3410045	1	General system improvement. Lack of supply reliability with largest source out of production.	Connect Ethan Way to City of Sacramento. Involves design and construction.	$250,000
15	C	4000	PLANADA CSD	2410007	1	ABOUT 40 POLYBUTYLENE SERVICES ARE DEFECTIVE AND HAVE CRACKED, SPLIT, AND/OR BROKEN.	REPLACE THE DEFECTIVE SERVICES LINES WITH NEW LINES.	$50,000
15	C	5500	Millview County Water District	2310006	1	District's raw water source drys up in summer. Supplementary raw water intake from river is in poor location.	Drill new wells and raw water river crossing.	$200,000
15	C	6269	DELHI CWD	2410006	3	ONE OF THE DISTRICT'S FIVE WELLS HAD A HIGH NITRATE RESULT IN 1996.	INSTALL WELL HEAD TREATMENT TO REMOVE NITRATES.	$400,000
15	C	6963	Fort Bragg, City of	2310001	2	Deteriorating main transmission line (raw water), inefficient pumping system.	Replace 4000 L.F. of raw water transmission line and upgrade pumps and pumping station.	$540,000
15	C	7120	WESTERN HEIGHTS WATER COMPANY	3610053	1	Two inactive high nitrate wells, and one old inactive well in water system	Construct new well	$765,335
15	C	7500	North of the River MWD	1510041	1	Some water supply wells have unacceptably high nitrate and TDS. Well-head treatment is too expensive.	A new water line to transport this water to a point where it can be blended with better quality water. OTHER- Design and Construction.	$1,600,000
15	C	7600	OCEANO COMM SERVICES DIST.	4010005	1	2 wells exceed the selenium MCL but are blended to comply with the standards.	Drill a new well in another area of the District	$920,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	8508	ACWA Buckhorn Plant	310012	3	WATER MUST BE ELEVATED 1300' TO GET TO TREATMENT PLANT. PRESENT DIVERSION PROVIDES EXTREMELY POOR QUALITY RAW WATER DURING WINTER STORMS.	Replace old pumping system to Buckhorn Water Treatment Plant with a more reliable gravity supply line; also improve source water quality to Buckhorn;	$2,250,000
15	C	9018	Georgetown Divide PUD	910013	4	Unstable conveyance system	Utilize source wtaer protection funds to stabilize conveyance system.	$150,000
15	C	9500	MAYWOOD MUTUAL WATER CO. #3	1910086	1	There is a record of two samples collected from Well # 3 exceeded manganese standard (58 ug/L-1993 & 68 ug/L-1996). The well is a poor producer.	Design and construct a replacement well	$350,000
15	C	11229	SIGNAL HILL - CITY, WATER DEPT.	1910149	9	The City still has in service approximately 3200 ft of very old Cast Iron Water mains that contain lead and cement joints, providing the possibility of contaminants with chronic health effects.	Remove and replace old cast iron pipelines with Class 52 Ductile Iron pipe.	$384,000
15	C	11649	City of Fortuna	1210006	2	500,000 gal in-ground concrete tank (constructed in 1904) is leaking and cannot be repaired. (See Steward Reservoir Evaluation)	Reconstruct tank in existing location-demolish old tank in build new 500,000 gal concrete tank.	$590,000
15	C	11814	Nevada ID - Loma Rica	2910006	9	Inadequate pumping capacity and reliability due to dilapidated mechanical and electrical equipment.	Rehabilitate pump station and add redundancy. Involves design and construction.	$120,000
15	C	11814	Nevada ID - Loma Rica	2910006	7		Add a second transmission main into the Alta Sierra System. Involves design and construction.	$1,400,000
15	C	11814	Nevada ID - Loma Rica	2910006	4	Inadequate system reliability due to lack of looped transmission facilities.	Add second transmission main through Cedar Ridge. Involves design and construction.	$740,000
15	C	11814	Nevada ID - Loma Rica	2910006	2	Treatment process and water quality adversely affected by difficlult and inaccurate pH adjustments due to inadequate lime feed equipment.	Replace existing equipment with new dual-feed lime silo and spill contaminant wall. Involves design and construction.	$190,000
15	C	11814	Nevada ID - Loma Rica	2910006	5	Degradation of water quality due to substandard pipeline materials (ABS) and dilapidated steel pipeline.	Replace with standard water main materials. Involves design and construction.	$80,000
15	C	11814	Nevada ID - Loma Rica	2910006	3	Inadequate distribution system reliability due to routine failure of substandard pipeline material. Two phases.	Replace faulty material with standard waterworks pipeline. Involves design and construction.	$895,000
15	C	11814	Nevada ID - Loma Rica	2910006	6	Inadequate system storage for diurnal demands and emergency reserves.	Add 3.0 MG storage tank. Involves design and construction.	$1,800,000
15	C	11814	Nevada ID - Loma Rica	2910006	10	Degradation of treated water in storage due to dilapidated redwood tank at Cherry Creek.	Add 1.6 MG storage tank at David Way and abandon Cherry Creek tank. Involves design and construction.	$1,200,000
15	C	12939	Nevada ID - E. George, Banner Mountain	2910004	1	Unreliable raw water supply due to dilapidated, unlined earthen canal.	Replace pipeline.	$7,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	12939	Nevada ID - E. George, Banner Mountain	2910004	2	Inadequate reliability of raw water supply due to delivery system failures, freezing weather, and potential hazardous material spills within watershed.	Add a new raw water pump station at D.S. canal and transmission pipeline to Banner.	$885,000
15	C	12939	Nevada ID - E. George, Banner Mountain	2910004	4	Inadequate system reliability due to lack of looped transmission facilities.	Add second transmission main into the Oaks area.	$210,000
15	C	12939	Nevada ID - E. George, Banner Mountain	2910004	3	Degradation of water quality due to deteriorated water mains and service lines(unlined steel).	Replace distribution system and service line with standard waterworks materials.	$390,000
15	C	14154	SCWA Mather-Sunrise	3410704	2	Poor service lines.	Replace service lines.	$250,000
15	C	14154	SCWA Mather-Sunrise	3410704	5	Inadequate mechanical and electrical system.	Rehabilitate treatment facility.	$300,000
15	C	14154	SCWA Mather-Sunrise	3410704	1	A well was abandoned and one was shut down. Also, all mechanical and electrical systems need rehab work. Many fire hydrants and distribution system valves are in poor repair and service line main connections are badly corroded.	Install additional distribution main to provide adequate fire flow capacity to the northeast part of the service area.	$165,000
15	C	14154	SCWA Mather-Sunrise	3410704	3	Poor water system mechanical and electrical facilities.	Rehabilitate water system mechanical and electrical facilities.	$85,000
15	C	17200	Coalinga-City	1010004	1	CUSTOMER WATER QUALITY COMPLAINTS ARE CAUSED, IN PART, BY THE AGE OF THE DISTRIBUTION SYSTEM AND OTHER UNKNOWN FACTORS.	RETAIN A CONSULTING ENGINEER TO STUDY THE ADEQUACY OF THE DISTRIBUTION SYSTEM.	$100,000
15	C	21215	Riverbank, City of	5010018	1	NEED ADDITIONAL WELLS AND STORAGE TO MEET PEAK DEMANDS.	DRILL NEW WELL(S) ON REMOTE SITE AND CONSTRUCT STORAGE TANK(S).	$1,500,000
15	C	21756	SSWD - North Highlands Service Area	3410025	2	Inadequate pressure and periodic disruption.	Replace with larger diameter water mains. Involves design and construction.	$7,700,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	6	Standby well has nitrate levels 1/2 MCL. Well is not used as a potable water source.	Drill replacement well	$225,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	5	Potential MTBE contamination of major wells. Need replacement source	Construct SWTP using state project water	$650,000
15	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	13	structural integrity of reservoir questionable	replace reservoir	$2,452,500
15	C	47065	City of West Sacramento	5710003	4	Lower pressure in the Southport area and only one service main across the Deep Water channel.	Extend the Harbor Boulevard water line under Bus 80 down Industrial Boulevard to the Southport area.	$3,800,000
15	C	47065	City of West Sacramento	5710003	3	Add filter to waste capability to our current water treatment plant. The current water system is nearing peak flow at peak demand periods.	Design a filter to waste system and increase water treatment capacity.	$1,000,000
15	C	47065	City of West Sacramento	5710003	2	Increased system storage capacity to help maintain water pressures in all flow situations.	Add a 3mg storage tank pumping system.	$700,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	50530	Hanford, City of	1610003	1	COLORED WATER IN WELL NO. 17	CONSTRUCT FILTER SYSTEM AT WELL HEAD	$350,000
15	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	5	Aging water production wells, most being 46 years and older with two being 64 years old. Wells have reduced efficiency.	Drill and equip two new drinking water production wells.	$900,000
15	C	76909	SSWD - Northridge Service Area	3410024	5	General system improvement. Process the change of place of use of PCWA water.	Obtain funding.	$1,000,000
15	C	76909	SSWD - Northridge Service Area	3410024	7	General system improvement. District was chosen to serve the base after closure.	Provide new water source into McCAFB from NWD's existing system through the extension of the District's proposed transmission pipeline, including base system improvements to both the distribution and storage facilities.	$8,200,000
15	C	76909	SSWD - Northridge Service Area	3410024	4	General system improvement. Lack of circulation and distribution.	Construct a main extension from the north boundary of system to the south boundary.	$1,164,000
15	C	76909	SSWD - Northridge Service Area	3410024	3	General system improvement. Refinance Bonds.	Obtain lower financing.	$36,380,000
15	C	76909	SSWD - Northridge Service Area	3410024	2	General system improvement. Inadequate water pressure and volume shortages.	Construct a 5mg storage tank with a large pumping station.	$5,000,000
15	C	76909	SSWD - Northridge Service Area	3410024	6	General system improvement. Contamination of pipes.	Funding to replace services.	$700,000
15	C	76909	SSWD - Northridge Service Area	3410024	1	General system improvement. Water shortage problem and water quality problems.	Construct large diameter transmission pipeline from Folsom Lake.	$22,333,064
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	5	Limited pumping capacity due to pump cavitation (suction side hydraulics)	Upgrade pumping facilities	$220,000
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	3	Main system reservoir problems: Shortcircuiting, disinfection practices and inlet/outlet valve configuration which adversely affect the water quality, operation and reliability.	Install baffling system, recirculation pump, new valves and upgrade reservoir facility.	$671,000
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	6	Inadequate storage supply.	Aquire land and design/construct new 5 MG reservoir.	$4,300,000
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	2	Pressure to the system not sufficient when nearby reservoirs are low in supply.	Design/construct new pumping facility.	$627,000
15	C	84184	SANTA MONICA-CITY, WATER DIVISION	1910146	4	Forebay built in 1924 is deteriorating. This structure is a critical function to the treatment facilities on site.	Conduct detailed inspection, design rebabilitation project and contruction of reservoir improvements.	$6,600,000
15	C	85703	City of Redding	4510005	7	City has 40 to 80 year old cast iron pipe that has had numerous failures.	Replace the old pipe.	$2,000,000
15	C	85703	City of Redding	4510005	10		Obtain a licensed radio frequency and upgrade the existing SCADA system.	$1,200,000
15	C	85703	City of Redding	4510005	2	Impacts to SCADA, and temporary of system controls resulting in a loss of security software upgrades.	Licensed radio frequency communications via South Fork Mountain, and related SCADA upgrades.	$3,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	85703	City of Redding	4510005	4	Two potentially three wells with arsenic above acceptable levels (EPA MCL).	Arsenic removal at each well location.	$7,500,000
15	C	85703	City of Redding	4510005	3	No additional or backup water source for Keswick Dam Area.	System inter-tie with Shast Community Services District.	$500,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	5	Refinance. Recondition Well #3 and Well #10 to maintain system storage and pressure.	Recondition motor and pump brush casing perforations and new column pipe. Well #10 rotate discharge head and install new pump control valve, new meter, check valve and new pump house.	$175,000
15	C	108000	AZUSA LIGHT AND WATER	1910007	6	Refinance. Heth Reservoir (1MG) Griffith Reservoir (5 MG). Repairs and improvements to maintain storage and pressure for Zone 1 and 2.	Evaluate integrity of walls of both reservoirs and make necessary repairs and improvements. Project involves: Study to determine cause of problem and Design to solve problem.	$250,000
15	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	7	Part of the existing water supply system un-even pressure flow	Construction a new water main approximately 8000 lineal feet of 36-inch diameter steel water main.	$2,670,000
15	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	9	Two tank sites lack proper drainage courses and storm drains to convey water flow in the event of a tank rapture	Modify various tank sites with water diverting system to control the flow of water in the event of a tank rupture	$321,000
15	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	8	Large pressure fluctuations due to aged and undersized pipelines	Construction of approximately 10,600 L.F.36-inch steel water main	$2,260,000
15	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	10	Retrofit exsiting chlorination station with ammonia injectors to chlorinate their well water	Retrofit existing chlorination stations with ammonia injectors to chloraminate well water	$5,000,000
15	C	170000	Sacramento Suburban Water District	3410001	2	Inadequate pressure and periodic disruption due to aged, leaky and small diameter water mains.	Replace with larger diameter water mains. Involves design and construction.	$30,900,000
15	C	177000	Oceanside, City of	3710014	3	Existing regulator station has deteriorated to the point of being hazardous.	Design and construction of a new pressure regulator station serving the peacock Hills area.	$495,000
15	C	177000	Oceanside, City of	3710014	6	Transport groundwater to link the Wire Mountain pressure zone and Heritage zone.	Mission/Foussat to El Camino Real water line design and construction to provide transport of groundwater to various distribution points.	$1,000,000
15	C	231207	CWS - Bakersfield	1510003	1	The district is growing at approximately 700 services per year, w/ the majority of this growth occurring in a region hwere the groundwater contains high levels of Hydrogen Sulfide	Design and construct a Hydrogen Sulfide treatment facility on the new well scheduled to be constructed in this area. Other - Design/Construction	$260,000
15	C	231207	CWS - Bakersfield	1510003	2	FIVE WELLS ARE IMPACTED BY TCE CONTAMINATION-CURRENTLY INACTIVE WELLS	INSTALL GAC ADSORPTION VESSEL ON THIS WELL. OTHER - DESIGN AND CONSTRUCTION	$400,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	C	457511	FRESNO, CITY OF	1010007	5	GROUNDWATER OVERDRAFT AND DECLINING WATER TABLE HAVE DICTATED THE PROPOSED CONSTRUCTION OF A 20 MGD SURFACE WATER TREATMENT PLANT. THE RAW WATER CANAL TO THE PLANT IS EXPOSED TO SIGNIFICANT CONTAMINATION HAZARDS.	CONSTRUCT IMPROVEMENTS TO THE RAW WATER CONVEYANCE TO PROVIDE SOURCE WATER PROTECTION.	$4,000,000
15	C	457511	FRESNO, CITY OF	1010007	1	INSUFFICIENT EMERGENCY BACKUP POWER FOR GROUNDWATER PUMP STATIONS. DURING AUGUST 1996, A POWER OUTAGE CAUSED PRESSURES TO DROP TO 0-10 PSI THROUGHOUT THE SYSTEM FOR MORE THAN 24 HOURS.	INSTALL DIESEL-POWERED ELECTRICAL GENERATORS AT 28 PUMP STATIONS.	$1,500,000
15	N	25	CROWLEY LAKE CAMPLAND	2600503	1	Peak hourly flow inadequate	Construct new 120k gal tank, improve well production	$110,000
15	N	25	EOC WELL - PALM SPRINGS	3301557	1	Still active system, project is to install treatment on a well 7 pres tk system to supply Palm Springs City Hall EOC in an emergency. Well violates seondary Mn Standard.	Necessity to correct fractures to well system caused by natural disaster	$40,000
15	N	25	MODESTO RESERVOIR	5000164	1	SAND IN SYSTEM	RE-DEVELOP OR RELOCATE WELL AND INSTALL FILTERING SYSTEM. OTHER = STUDY, DESIGN AND CONSTRUCTION.	$35,000
15	N	2500	Caltrans-Hillcrest SRRA	4500283	1	No filtering system. There is dirt in drinking fountains and clogged faucets. In addition, there are stains on urinals and toilets.	Install commercial filtration system.	$20,000
15	P	60	Quartz Valley School	4700847	1	Water system components, added over time, are in two separate locations making operation and maintenance more difficult.	Relocate old pressure tank and other components to location of new components, and possibly replace old pressure tank with new one.	$10,000
15	P	100	PLAINSBURG ELEMENTARY SCHOOL	2400065	1	SHALLOW WELL WITH NITRATES UNDER THE MCL.	DESIGN AND DRILL A NEW WELL.	$40,000
15	P	120	Fouts Springs Youth Facility	600041	2	Leaking Pipeline	Replace Pipeline	$450,000
15	P	155	CRESSEY SCHOOL	2400097	1	THE WELL HAD A DETECTABLE LEVEL OF DBCP (0.03 PPB) IN 1995. A SAMPLE COLLECTED IN 1997 WAS ND FOR DBCP.	CONSTRUCT A NEW DEEPER WELL.	$25,000
15	P	200	Pleasant Grove Elem. School	5100143	1	Current drinking water system pipes are over 40 years old and need in-ground replacement. We are currently experiencing leaky and damaged pipes.	Repair and replace in-ground drinking water lines.	$10,000
15	P	200	Marcum Illinois Elementary School	5100140	1	Well and transmission lines are old and need repair/replacement.	New pump and lines would correct problems and provide for increased use.	$10,000
15	P	260	Richmond Elementary School	1800573	1	Miscellaneous minor water system improvements.	Improve minor system deficiencies.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
15	P	300	ISLAND UNION SCHOOL	1600017	1	HIGH LEAD (IN WELL AND DISTRIBUTION), PH AND COLOR. NO BACK-UP POWER SOURCE	REPLACE UNADEQUATE POWER PANEL, DRILL NEW WELL, REPLACE EXISTING DISTRIBUTION SYSTEM. OTHER - DESIGN AND CONSTRUCTION	$50,000
15	P	500	MEADOWS UNION SCHOOL	1300554	1	Age of our system is a concern. It was built in the early 50's. Would like to be able to up grade our small water system.	Replace with new water system, 10K. Storage with a minimum of 10GM.	$75,000
15	P	500	CAVANAUGH GOLF COURSE	3400104	1	Current galvanized casing of well will corrode and needs to be replaced.	Replace gavanized casing with stainless steel.	$80,000
15	P	500	CHATOM SCHOOL (EH)	5000101	1	WATER TANK BADLY CORRODED	REPLACE WATER TANK.	$195,000
10	C	0	Kern County Water Agency	1510040	4	Growth in Bakersfield area has led to overall degradation of groundwater, including oilfield, pesticide and nitrate contamination buildup, often requiring wellhead treatment or well abandonment.	Upgrade existing surface water treatment plant from 45 MGD to 90 MGD to supply water to member water agencies.	$34,000,000
10	C	0	LOPEZ PROJECT	4010022	2	Upgrade the Lopez Terminal Reservoir to protect water quality.	Study, develop an engineered solution to problem and construct same.	$150,000
10	C	0	UNITED WTR CONS DIST	5610046	2	Develop groundwater guardian program and well head protection program.	Develop groundwater guardian program to promote well head protection by involving all affected parties including agriculture, urban interests and the public.	$50,000
10	C	37	OID #49 - GILBERT	5000092	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. CORRODED HYDROPNEUMATIC TANK.	INSTALL ELECTRICAL GENERATOR. INSTALL NEW HYDROPNEUMATIC TANK. OTHER = DESIGN AND CONSTRUCTION.	$95,000
10	C	40	GREGG WATER CO	3400130	2	Wells and small private systems that are unreliable with poor water quality and cannot provide adequate emergency supply.	Construct a new 250,000 gallon storage tank for emergency water supply. Involves design and construction.	$250,000
10	C	40	GREGG WATER CO	3400130	1	Wells and small private systems are unreliable with poor water quality, inadequate emergency supply and fire protection.	Replace multiple systems with reliable potable water system; a new 1,000 gpm well and upgrade pipeline distribution system. Involves design and construction.	$180,000
10	C	63	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	3	Storage is inadequate to meet peak flow - fire flow demands	Replace two 10000 gallon tanks with one 50000 gallon tank.	$160,000
10	C	80	OASIS PROPERTY OWNERS ASSOCIATION	1500585	2	Not enough water pressure in the summer time	Putting water storage tanks with booster pump	$85,000
10	C	80	OASIS PROPERTY OWNERS ASSOCIATION	1500585	1	Well sanding due to corrosion of well casing	Drill new well and install storage tank	$250,000
10	C	93	SAN MIGUEL WS #22	2702073	2	Need source protection (fencing for wells and storage tanks).	Erect fencing for wells and storage tanks.	$21,302
10	C	93	SAN MIGUEL WS #22	2702073	1	System has water conservation problem.	Install water meters.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	120	SIERRA KING HOMEOWNERS ASSN	5400940	2	PROBLEM DESCRIPTION:Infrastructure of the Sierra King water system is aged, inadequate, and breaking. It does not provide a dependable domestic water supply to existing homes, and increased demand is being made of it by new homes within the subdivision.	PROJECT DESCRIPTIONUpgrade the existing, aged Sierra King water system to provide adequate water supply, storage, distribution, and fire protection to the present users on developed properties. Improve ability and efficiency of maintenance activities. Ex	$1,500,000
10	C	120	SILVER WHEEL TRAILER PARK	5602116	1	Upgrade the distribution facilties and well.	Replace pipe lines and refurbish well.	$120,000
10	C	122	MUSICK MEADOWS #1	1000060	1	CONCERNED ABOUT SOURCE RELIABILITY ASSOCIATED WITH CONDITION OF BACKUP WELL.	POSSIBLE DEVELOPMENT OF ADDITIONAL SOURCE CAPACITY IN THE FUTURE.	$25,000
10	C	126	VILLA CASA APARTMENTS WS	2701046	1	Water system has no storage. Needs 90,000 gallons storage.	Install storage tanks	$100,000
10	C	129	OID #45 - LOUIS MEYER	5000013	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	$30,000
10	C	130	ARROYO CENTER WC	2701658	4	[Wells] need a flowmeter with a totalizer [as required by the Monterey County Health Dept. to determine weekly water use] (Improvement of distribution system facilities)	Install flowmeter with totalizer	$10,000
10	C	147	OID #41 - MOUNTAIN VIEW	5000016	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. DISTRIBUTION SYSTEM FAILING.	INISTALL ELECTRICAL GENERATOR. REPLACE DISTRIBUTION SYSTEM. OTHER = DESIGN AND CONSTRUCTION	$155,000
10	C	150	Reche Canyon MWC	3301541	1	System does not meet peak water demand resulting in outages. Supplemental water is needed.	Install water meters and 6" pipeline 3,800 ft to connect to available city water.	$500,000
10	C	150	OID #22 - WILLIAMS TRACT	5000015	2	NEED BACK-UP WATER SOURCE	DRILL BACK-UP WELL. OTHER = DESIGN AND CONSTRUCTION	$125,000
10	C	150	OID #22 - WILLIAMS TRACT	5000015	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POSER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	$30,000
10	C	150	Reche Canyon MWC	3301541	2	System does not meet peak water demand resulting in outages.	Planning study to determine solution for problem.	$100,000
10	C	150	HRC C.S.D.	800556	1	Distribution system is 40 plus years old and fire hydrants are too small. Existing redwood storage tank is 50 years plus old and leaking.	Build storage tank and install larger distribution line to replace old line. Provide fire hydrants.	$250,000
10	C	157	OID #52 - DEO GLORIA	5000355	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION	$30,000
10	C	183	NORTH OAKS MUTUAL WATER CO	5000237	1	NEED SECOND WELL FOR RELIABILITY AND FLEXIBILITY	UPGRADE EXISTING 100 HP AG WELL	$65,000
10	C	200	LEISURE PINES MUTUAL WATER CO	5500053	1	SYSTEM LACKS WATER RELIABILITY.	INCREASE DEPTH OF EXISTING WELL FROM 325 FEET TO EITHER 600 FEET OR 1000 FEET DEPENDING ON ITS CAPACITY. INSTALL NEW PUMP, METER, AND WIRING.	$60,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	241	OID - OAKDALE RURAL WATER SYSTEM #2	5000445	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION	$40,000
10	C	250	SAINT MARIE MOBILE HOME PARK	4200842	1	Needs to upgrade the distribution system.	Replace storage tank and install new piping, pump station and fire hydrants.	$250,000
10	C	269	OID #46 - SUNSET OAKS	5000014	2	LOW PRESSURES IN HIGHER ELEVATIONS.	INSTALL BOOSTER STATION. OTHER = DESIGN AND CONSTRUCTION	$40,000
10	C	269	OID #46 - SUNSET OAKS	5000014	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. PRESSURE TANK FAILING.	INSTALL ELECTRICAL GENERATOR AND NEW PRESSURE TANK. OTHER = DESIGN AND CONSTRUCTION.	$75,000
10	C	287	OID #51 - SUNSET OAKS #10	5000317	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING PWER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	$40,000
10	C	515	Sierra Brooks PSD	4600009	3	Storage and supply shortage, severe pressure problems (low) and complete original design of system	Construct one new tank, one new well, pressure stations and replacement lines (see attached).	$1,500,000
10	C	597	NORTH EDWARDS WD	1510052	1	DISTRIBUTION SYSTEM IMPROVEMENTS	REPLACE OF EXISTING METERS, AND UPGRADE WELLS 1 AND 2 FACILITIES AND FOUNDATION.	$75,000
10	C	600	AVILA BEACH COMM SERVICE DIST	4000222	1	Needs to improve deteriorated storage tanks.	Design and construct water tank repairs	$120,000
10	C	600	AVILA BEACH COMM SERVICE DIST	4000222	2	Needs to upgrade deteriorated distribution lines.	Design and construction of water line replacement	$240,000
10	C	700	CSA 42 Oro Grande	3600220	2	Unreliable telemetry system	Enhance abality to operate and montior unattended sites throughout water distribution system.	$25,000
10	C	775	Gasquet C.S.D.	800555	3	Extreme cost of additional treatment facilities.	Study to determine feasibility of developing wells to supply ground water versus the present use of river water.	$10,000
10	C	775	Gasquet C.S.D.	800555	4	Inadequate source water protection. Inability to pump water from raw river source due to contamination by hazardous materials spills from Highway 199.	Purchase a 150 GPM trailer-mounted pump with chlorination facilities and prepare river access for use of alternative source.	$24,000
10	C	850	Lake Almanor Country Club MWC	3210006	1	Corroded and undersized water mains causing high leakage rates and inadequate fire flows.	Replace existing water mains that are corroded and undersized along with service laterals.	$4,000,000
10	C	1134	OID-OAKDALE RURAL WATER SYSTEM #1	5000433	1	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. PRESSURES FLUCTUATE AS BOOSTER PUMP CYCCLES ON AND OFF.	INSTALL ELECTRICAL GENERATOR. INSTALL PRESSURE TANK. OTHER = DESIGN AND CONSTRUCTION.	$75,000
10	C	1300	BASELINE GARDENS MWC	3610007	2	Well #4 not connected to system	Purchase and install pressure tank and associated appurtenances to activate well 4	$100,000
10	C	1300	BASELINE GARDENS MWC	3610007	1	System currently not metered	Purchase and install meters	$300,000
10	C	1300	BASELINE GARDENS MWC	3610007	3	Interior coating failure on storage tank	Recoat tank	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	1670	SBDNO COUNTY SERVICE AREA W-1	3610060	1	Mojave Water Agency Morongo Basin pipleine aqueduct water available but untreated surface water	Design and purchase a small package surface water treatment plant to utilize Morongo pipeline water allotment	$100,000
10	C	1700	WARRING WATER SERVICE INC	5610021	2	No additional storage for emergency situations.	Repair and upgrade the reservoir.	$100,000
10	C	2103	Caruthers Comm Serv Dist	1010039	10	Existing standby power facilities at Well No. 4 has exceeded the design life expectancy and is presently experiencing operational difficulties.	Add standby power facilities at Well No. 5.	$100,000
10	C	2103	Caruthers Comm Serv Dist	1010039	5	NO STANDBY POWER AT THE PRIMARY WELL.	INSTALL STANDBY GENERATOR AT WELL 3 LOCATION. OTHER - DESIGN AND CONSTRUCTION	$90,000
10	C	2103	Caruthers Comm Serv Dist	1010039	1	LOW CAPACITY, NO STANDBY POWER, AND SANDING AT WELL 4.	INSTALL AUTOMATIC TRANSFER SWITCH TO STANDBY POWER AT WELL 4. INSTALL SAND SEPERATOR. OTHER - DESIGN AND CONSTRUCTION	$190,000
10	C	2348	FRAZIER PARK PUD	1510007	2	Several leaks in distribution system. Many mains larger than 4-inch diameter are at least 35 years old; smaller lines are even older.	Develop and implement an infrastructure replacement plan.	$11,000,000
10	C	3000	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	1	Excessive heat in raw water pump stations.	Design and install adequate air conditioning for pump stations.	$250,000
10	C	3019	SHEEP CREEK WATER COMPANY	3610109	1	Alternate source of water needed	Construct new source	$10,521,466
10	C	3300	Seaside Municipal Water System	2710018	4	Portable generator needed in case of power outage.	Install on-site generator at well #3.	$75,000
10	C	3300	Seaside Municipal Water System	2710018	5	Only one well is in operation - need a back-up well.	Drill new well. Also, will need pumphouse, emergency power, new connections, etc.	$850,000
10	C	3600	LAKE DON PEDRO C S D	5510008	1	INADEQUATE CLEANING OF FILTER MEDIA DURING BACKWASHING, INTERIOR STRUCTURAL DAMAGE TO THE FILTERS COULD CAUSE VESSEL FAILURE.	INSTALL TWO NEW FILTER VESSELS WITH SURFACE WASH FACILITIES.	$180,000
10	C	4575	Keyes Community Services Dist.	5010009	2	LACK OF BACKUP POWER TO PUMP WATER DURING ELECTRICAL POWER OUTAGES.	INSTALL GENERATOR. OTHER = DESIGN AND CONSTRUCTION	$150,000
10	C	5302	Calistoga, City of	2810002	7	Fiege Canyon storage tank needs tank recoating inside, paint outside, upgrade to OSHA regulations and seismic standards.	Drain and clean tank, recoat with epoxy, clean outside of tank and paint.	$100,000
10	C	5302	Calistoga, City of	2810002	8	Present Kimball transmission line in existing vineyard area is subject to possible major damage from farm equipment.	Relocate new main along roadway.	$1,000,000
10	C	5302	Calistoga, City of	2810002	10	Present booster pump station is in floodway, has been flooded a number of times.	Relocate pump station to area not impacted by floods.	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	5302	Calistoga, City of	2810002	9	Present spillway at Kimball Dam has 4 ft of flashboards installed every March and removed at end of summer. If heavy storm hits after flashboards installed, unable to remove boards to keep level of reservoir down.	Install inflatable spillway barrier to allow releasing water safely if major storm hit.	$100,000
10	C	5458	ACWA Sutter Creek	310003	4	Amador Canal is vulnerable to contamination and periodic structural failures	Extend life of canal through improvements or replace with 8 mile pipeline.	$6,000,000
10	C	6875	City of Winters	5710005	1	Large water demand; system cannot handle.	Install service meters, purchase meter testing and reading equipment. Perform rate study with recommendations for rates and conservation measures.	$450,000
10	C	6875	City of Winters	5710005	3	Aging steel pipes; delivery and pressure problems occur.	Replace existing distribution and transmission lines with new mains. Replace all pipes with leaded joints and replace service lines where mains are replaced.	$1,500,000
10	C	6875	City of Winters	5710005	2	System is separated into four separate zones, which are not reliable. These zones are supplied by single well with no storage.	Construct physical connections between zones and change existing one speed motors to variable speed, install telemetry and remove contaminated well once zones are connected.	$650,000
10	C	7400	CRESTLINE VILLAGE CWD - DIVISION 10	3610015	2	Dart Canyon area supplied by individual private wells	Annexation of area into CV water district	$1,815,000
10	C	16075	ROSAMOND CSD	1510018	3	LOCATE AND DEVELOP A NEW SOURCE OF GROUND WATER	DRILL WELL, INSTALL MOTOR, AND CONNECTING LINES TO EXISTING SYSTEMS	$200,000
10	C	16571	ANTELOPE VALLEY E KERN WTR AGY	1510053	1	INCREASE CAPACITY - EXISTING CAPACITY AT PEAK CAPACITY	EXPAND EXISTING PLANT OR INTERCONNECT WITH EXISTING NEARBY PLANT FOR INCREASED CAPACITYAND RELIABILITY. OTHER - DESIGN AND CONSTRUCTION	$7,300,000
10	C	16571	ANTELOPE VALLEY E KERN WTR AGY	1510053	2	MODIFY CHLORINATION SYSTEM TO COMPLY WITH THE RMP	PROVIDE TWO CHLORINE SCRUBBERS	$200,000
10	C	24496	BALDY MESA CWD - Inactive	3610010	1	Basin in overdraft	Construct 10 MGD surface water treatment plant	$43,884,600
10	C	25000	BIG BEAR CITY CSD	3610008	5	District required to supply water to endangered species habitat	Design reclamation facility to replace potable water used for habit	$500,000
10	C	27748	SUISUN-SOLANO WATER AUTHORITY	4810005	1	Pressure in distribution system is inadequate to install backflow devices.	Modify distribution system.	$214,000
10	C	29281	Santa Paula Water System	5610011	9	Needs to upgrade the storage reservoir.	Design, construct and inspect construction of new roof.	$500,000
10	C	29500	PASO ROBLES WATER DEPARTMENT	4010007	1	Needs to improve storage capacity.	Propose building a 4 million gallon storage tank on the east side of town	$3,500,000
10	C	40654	YUCAIPA VALLEY WD ID-A&2	3610055	4	Potential MTBE contamination of major wells. Need replacement source.	Drill ejection and/or replacement wells.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	40943	Ceres, City of	5010028	4	The City of Ceres runs a water system currently comprised of some fifteen active producing wells which are mixed into a large city-wide distribution system. These wells have hiustorically suffered from a variety of contaminent issue, primarily with regard	A variety of online analysers are vital to the operation of a system such as the City of Ceres, which suffers from an ongoing list of chemical and mineral contaminents including arsenic, uranium and nitrates produced in systemic spikes which threaten publ	$150,000
10	C	43996	CalAm - Parkway	3410017	1	General system improvement. Lack of backwash tank capacity threatens Fe Mn treatment process.	Parksite backwash tank. Involves design and construction.	$200,000
10	C	43996	CalAm - Parkway	3410017	4	General system improvement. Inadequate distribution system pressure with the loss of supply due to groundwater contamination.	Sky Parkway backbone main. Involves design and construction.	$550,000
10	C	43996	CalAm - Parkway	3410017	6	General system improvement. Loss of wells due to groundwater contamination.	Center Parkway Main replacement. Involves design and construction.	$270,000
10	C	43996	CalAm - Parkway	3410017	10	General system improvement. Inadequate distribution system pressures due to groundwater contamination.	A/E Parkway main replacement. Involves design and construction.	$680,000
10	C	51350	CITY OF COLTON	3610014	3	Well 5 and 14 have sanding and production problems	Drill new well and replace transmission lines	$3,525,000
10	C	51350	CITY OF COLTON	3610014	7	Interior coating failure on Domecq reservoir	Recoat reservoir	$350,000
10	C	51350	CITY OF COLTON	3610014	4	53%wells produce below rated capacity	Rehabilitate wells	$200,000
10	C	51350	CITY OF COLTON	3610014	1	Reservoir interior coating failure	Recoat reservoir	$800,000
10	C	51350	CITY OF COLTON	3610014	2	Well 6b and 7 have sanding and low production	Drill new well and construct new transmission lines	$3,525,000
10	C	51350	CITY OF COLTON	3610014	5	Refurbish LaLoma reservoir	Install approved coating	$350,000
10	C	51350	CITY OF COLTON	3610014	6	Interior coating failing on Rialto Reservoir	Recoat reservoir	$350,000
10	C	67740	City of Davis	5710001	4	System capacity has been lost by bad wells. According to 2006 AIR, City is dependent upon storage to meet max demand.	Construct a new high-production deep well.	$1,500,000
10	C	67740	City of Davis	5710001	1	Lack of water source facilities.	Construct second water storage tank. Involves design and construction.	$2,500,000
10	C	67740	City of Davis	5710001	2	Well No. 29, commisioned in 1997, has had chronic "sulphur" odor since construction, rendering the well unusable on a regular basis.	Studies and a pilot treatment have determined that an activated charcoal filter will remove the odor.	$400,000
10	C	67740	City of Davis	5710001	3	System capacity has been lost by bad wells. According to 2006 AIR, City is dependent upon storage to meet max demand.	Construct new high-production deep well.	$1,500,000
10	C	85703	City of Redding	4510005	5	Need source capacity	Drill new wells	$4,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	89326	City of Alhambra	1910001	2	Seven (7) out of ten (10) potable production wells have nitrate that are near the current maximum contaminant levels (MCLs).	Complete a study to determine the best suited location, in the well field, where a nitrate (ion-exchange) treatment plant could be constructed. Project involves: Study, Design, and Construction.	$900,000
10	C	89326	City of Alhambra	1910001	3	Six (6) out of ten (10) production wells have exceeded or are nearing their expected design-life expectations.	Engineering study to determine which of the existing wells could be rehabilitated.	$300,000
10	C	89326	City of Alhambra	1910001	1	A remedy for volatile organic compound (VOC) removal needs to be addressed at two production wells. One of the wells, Moeller Well (#8), is a critical in production capacity and maintaining sufficient pressures in the upper portion of the southern z	Design and construct a VOC treatment plant. Conduct study to determine the cause of the water quality problems.	$400,000
10	C	107000	CWS - Visalia	5410016	2	WELL CONTAMINATED WITH CARBON TETRACHLORIDE (WELL 25-01)	DESIGN AND CONSTRUCT GAC TREATMENT VESSEL AND UPGRADE PUMP AND MOTOR. OTHER - DESIGN AND CONSTRUCTION	$225,000
10	C	107000	CWS - Visalia	5410016	1	FAST GROWING COMMUNITY - PCE HAS CONTAMINATED THIS AREA AND WILL EFFECT A NEW WELL WHEN DRILLED	INSTALL GAC TREATMENT. OTHER - DESIGN AND CONSTRUCTION	$200,000
10	C	142060	CALIFORNIA WATER SERVICE CO. - DOMINGUEZ	1910033	2	Existing and new wells exceed color standard.	Additional chlorine generating facilities installed to prechlorinate for bleaching and post chloraminated for disinfection. Project involves: Refinance, Design, and Construction.	$250,000
10	C	172781	City of Garden Grove	3010062	1	The City's vulnerability assessment recommends the use of a less harzrdous disinfectant instead of chlorine gas, which is utilized currently.	Covert all chlorine gas systems to bulk sodium hypochlorite systems.	$500,000
10	C	414710	Eastern Municipal WD	3310009	5	Brine from the proposed Sun City desalination plant needs to be disposed of outside the boundaries of EMWD to protect local groundwater sources.	Purchase capacity in the Temescal Valley Regional Interceptor to convey the brine viw the Santa Ana Interceptor to convey the brine via the Santa Ana Interceptor to the County Sanitation District of Orange County treatment plant and purchase capacity	$10,780,000
10	C	414710	Eastern Municipal WD	3310009	20	Two finished water storage tanks in the 1719 elevation pressure zone (Tres Cerritos I and II), have a combined capacity of 15 MG. These tanks are connected to the distribution system with an inadequate 12" pipeline. Stagnant water in storage threat	Install 2,675 feet of 30" diameter pipeline to connect the tanks to the distribution system. This also requires the installation of 6,400' of 18" diameter raw water pipeline.	$1,069,500
10	C	414710	Eastern Municipal WD	3310009	19	The Soboba finished water tank is undersized, leaking and built on a potential landslide area. The supply line to the tank is leaking posing potential water quality problems. The pump station needs to be upgraded and relocated.	Replace existing 0.21 MG tank with a new 0.315 MG finished water tank in a new location. Replace the leaky distribution pipeline and build a new pump station.	$1,155,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	18	The Walthers Tank is severly corroded and structurally unsound as well as undersized. This situation is a concern both as regards to water quality and to water availability.	Replace this 0.23 MG tank with a new 0.5 MG finished water tank.	$250,000
10	C	414710	Eastern Municipal WD	3310009	51	Salinity contamination of groundwater supplies due to rising groundwater	Construct extraction wells, pipelines and reverse osmosis desalination facility to control hydraulic gradients and remove salt from subbasin.	$10,000,000
10	C	414710	Eastern Municipal WD	3310009	17	The Winchester Ranch finished water storage tank was constructed in 1990 by CFD-161. Due to economic conditions since that time the connecting transmission pipeline was never built. This storage capacity is now urgently needed.	Construct the transmission pipeline needed to activate the Winchester Ranch tank.	$477,360
10	C	414710	Eastern Municipal WD	3310009	3	EMWD is dependent on imported water supplied by Met for about 80% of all water delivered. There is a need to develop additional local supplies.	Construct four additional groundwater production wells. (2 per yr)	$1,300,000
10	C	414710	Eastern Municipal WD	3310009	45	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	$500,000
10	C	414710	Eastern Municipal WD	3310009	21	Two tanks in 1627 zone (Citrus I and II) have a combined capacity of 11.4 MG. These tanks are connected to the distribution system with an inadequate 18" pipeline. As a result, stagnant water in storage threatens the water quality in the zone.	Install 3,500' of 30" pipeline to connect the Citrus tanks to the distribution system.	$1,033,000
10	C	414710	Eastern Municipal WD	3310009	44	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	$500,000
10	C	414710	Eastern Municipal WD	3310009	4	Due to extensive development storm water run-off has increased, and groundwater replenishment has decreased. This has resulted in increased reliance on imported water.	Construct a water harvesting facility at the San Jacinto Reservoir and equipment same with a pumping plant and piepline to recover the rain run-off so captured for groundwater recharge.	$770,000
10	C	414710	Eastern Municipal WD	3310009	40	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	36	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	$250,000
10	C	414710	Eastern Municipal WD	3310009	43		Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	$500,000
10	C	414710	Eastern Municipal WD	3310009	41	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	$500,000
10	C	414710	Eastern Municipal WD	3310009	39		Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	$250,000
10	C	414710	Eastern Municipal WD	3310009	37	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	$250,000
10	C	414710	Eastern Municipal WD	3310009	42	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	$500,000
10	C	414710	Eastern Municipal WD	3310009	14	The Quail Valley II pressure zone has inadequate storage and transmission pipelines. The system has experienced reduced pressure problems during pump outages, exposing the domestic users to possible water quality problems.	Consuct a feasibility study complete with fieldwork to determine what will be needed in terms of a new finished water storage tank and/or additional transmission pipelines.	$100,000
10	C	414710	Eastern Municipal WD	3310009	13	The Vista pressure zone at elevation 1811' has insufficient storage (1 MG), and the adjacent regulated Homeland pressure zone at elevation 1785' has no storage at all. The resulting frequent low pressure problems pose possible water supply and quali	Combine both pressure zones and construct a 4.6 MG finished water storage tank and transmission pipeline.	$4,118,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	C	414710	Eastern Municipal WD	3310009	16	The Manzinta pressure zone has inadequate finished water storage (0.25 MG). Two adjacent but separate systems are regulated pressure zones which have no storage at all. In case of pump failure these zones will lose pressure and are potentially …	Consolidate the three systems, costruct a 3.4 MG finished water tank and transmission pipelines.	$4,130,000
10	C	414710	Eastern Municipal WD	3310009	38	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	$250,000
10	C	414710	Eastern Municipal WD	3310009	2	EMWD is dependent on imported water supplied by Met for about 80% of all water delivered. There is a need to develop additional local supplies.	Construct four additional groundwater production wells. (2 per yr)	$1,300,000
10	C	414710	Eastern Municipal WD	3310009	46	The groundwater in the Perris, Sun City, and Menifee area has become unusable due to high TDS caused by agricultural operations.	Drill and develop three extraction wells along McLaughlin St. in south Perris to extract the contaminated groundwater for susequent treament at the proposed Sun City desalination plant.	$2,501,000
10	C	457514	City of Sacramento	3410020	4	Reservoirs require recoating and installation of cathodic protection systems.	Place new coating and install impressed current cathodic protection systems. Involves design and construction.	$2,400,000
10	C	457514	City of Sacramento	3410020	1	Some old steel mains are leaking and are too small.	Replace existing pipes with adequate pipe sizes. Involves refinancing and construction.	$2,900,000
10	C	457514	City of Sacramento	3410020	2		Abandon existing mains and construct new mains in street. Involves refinancing, design and construction.	$2,500,000
10	C	457514	City of Sacramento	3410020	6	Update the watershed sanitary survey.	Update survey during 1998.	$200,000
10	C	457514	City of Sacramento	3410020	5	A study must be conducted to identify potential sources of contamination to well.	Implement a wellhead protection program in accorance with DHS requirements.	$330,000
10	N	26	BASSO BRIDGE FISHING/BOATING ACCESS	5000395	1	INADEQUATE SUPPLY AND PRESSURE	INSTALL LARGER PUMP, ADDITIONAL STORAGE AND PRESSURE SYSTEM. OTHER = DESIGN AND CONSTRUCTION.	$45,000
10	N	26	WOODWARD RESERVOIR WATER SYSTEM	5000165	1	ONE OR TWO OF THE FOUR WELLS SUBJECT TO COLIFORM CONTAMINATION DISTRIBUTION SYSTEM INADEQUATE	REPLACE WELL PUMP AND ELECTRICLA COMPONENTS. REPLACE/IMPROVE CHLORINATION SYSTEM. OTHER = DESIGN AND CONSTRUCTION	$35,000
10	N	26	LA GRANGE PARK-OHV	5000239	1	INADEQUATE SUPPLY AND OUTDATED ELECTRICAL	REPAIR OR REPLACE SECONDARY SUBMERSIBLE PUMP. INCREASE STORAGE CAPACITY, REPLACE ELECTRICAL SYSTEM. OTHER = DESIGN AND CONSTRUCTION	$25,000
10	N	30	Snow Summit Ski Corp	3600707	1	Inadequate storage capacity	Design and construct new facilities	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
10	N	165	MUSICK CREEK TRACT ASSOCIATION	1000058	4	Inadequate water storage facilities.	Construct 80,000 gallon storage tank.	$90,000
10	N	165	MUSICK CREEK TRACT ASSOCIATION	1000058	2	ADDITIONAL STORAGE TO IMPROVE THE EXISTING VOLUME PROVIDED BY THE THREE STORAGE TANKS.	CONSRUCT A 80,000 GALLON STORAGE TANK.	$60,000
10	N	165	MUSICK CREEK TRACT ASSOCIATION	1000058	3	THE STORAGE TANKS HAVE A COMMON INLET/OUTLET PIPE FROM THE WELLS.	INSTALL A SEPARATE INLET PIPE FROM THE WELLS TO THE STORAGE TANKS.	$50,000
10	P	475	FRAZIER MOUNTAIN HIGH SCHOOL	1503140	1	Frazier Mountain High School has only well. Therefore, the water system is unreliable.	As part of this project, the Frazier Mountain High School will either drill a new well or develop intertie with Lebec CWD.	$500,000
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	3	Down hole failure at Rose Well.	Pull and repair well.	$100,000
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	2	Impurities in water and sediment buildup in tank.	Install water filtration system.	$70,000
10	P	850	TEJON-CASTAIC WATER DISTRICT	1503341	4	Current water production at capacity, unable to meet anticipated growth.	Domestic water filtration expansion.	$500,000
5	C	50	West Water Company (PUC)	4900893	1	System consists of 63 foot deep well with 2,500 gallons of storage. System has no disinfection and experiences low pressures under peak demands.	Storage tank with high service pumps and water mains, meters	$750,000
5	C	66	SANTA RITA WATER CO	4200822	2	No individual user meters to monitor consumption, having same would promote water conservation	install individual user water meters	$20,000
5	C	72	MCCOY RD WS #05	2701040	2	Water system has no storage. Needs 50,000 gallons storage.	Install storage tanks	$80,000
5	C	75	PINON HILL WATER COMPANY	1500540	1	WATER QUALITY PROBLEMS - NONE OVER THE MCL	DRILL NEW WELL. OTHER - DESIGN AND CONSTRUCTION	$75,000
5	C	120	AUBURN VALLEY COMMUNITY SERVICE DIS	3100011	1	System requires expansion in both wells and storage plus significant improvements in well's control system. Upgrades needed for reservoir, trouble alarms, and several distribution systems.	Add additional well(s), storage tank, pumphouse improvements and controls (system controls/alarms).	$325,000
5	C	144	SIERRA BREEZE MUTUAL WATER COMPANY	1500447	2	30-year old bolted steel storage tank requires replacement; flow meters needed to ensure 50/50 blend of two system wells	procure and instal new 20,000-gallon tank and flow meters on the wells	$30,000
5	C	150	SUNSET BEACH MUTUAL WATER CO	4400599	1	System has problem with salt water intrusion.	Construct pipeline to City of Watsonville water supply.	$510,000
5	C	150	Rains Creek Water District	4900611	1	Need remote telemetry unit to monitor tank levels and chlorine conc.	Install remote telemetry unit to monitor tank levels and chlorine conc.	$50,000
5	C	200	RANCHO SAN ANDREAS	4400660	1	Well pump failed and needs to be replaced	Purchase and install new well pump and motor in existing well	$10,000
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	4	Ensure water system continues to maintain present and future MCLs.	Drain and clean storage tank and sump; inspect sump tank and repair as needed.	$35,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	223	PINE HILLS MUTUTAL WATER COMPANY	3700905	3	Present system is operated and maintained by manual inspection and control.	Implement a SCADA system (Supervisorary Control and Data Acquisition System)	$75,000
5	C	300	LEISURE LAKE MOBILE HOME PARK	1910066	1	The age of the system will require transmission lines to be replaced to eliminate future problems.	Line or replace existing transmission lines, and install electric panel for well #2.	$100,000
5	C	336	Sutter Co. WWD#1 (Robbins)	5100107	1	Portions of the existing distribution system are corroding which is impacting the quality of the water being delivered.	Installation of new distribution lines and housing services that are causing the problem.	$600,000
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	2	Needs additional storage capacity	Add a reservoir	$142,393
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	3	Improvements needed in horizontal well.	Renovate horizontal well	$46,000
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	7	Improve distribution system to prevent pressure drops.	Creation of a two zone system	$157,802
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	6	Needs to upgrade the distribution system for better operation.	Replacement of line.	$68,655
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	8	Needs to aqcuire the privately owned parcel to protect watershed.	Purchase this privately owned parcel.	$120,000
5	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	4	Needs to upgrade distribution pipelines.	Replace ancors, cable and pipeline.	$199,836
5	C	500	Sonoma County Water Agency	4910020	3	Pollution threats to raw water quality from watershed sources.	Install early warning systems in three locations to detect contamination before water is delivered to Agency customers.	$1,615,000
5	C	500	CLOVERDALE MUTUAL WATER Co.	5610068	1	Improve system reliability.	System facility replacements and improvements	$760,000
5	C	978	Nevada ID - Cascade Shores	2910007	2	Degradation of treated water in storage due to dilapidated redwood tank.	Replace the redwood tank with a welded steel tank.	$95,000
5	C	978	Nevada ID - Cascade Shores	2910007	3		Replace the redwood tank with a welded steel tank.	$110,000
5	C	1086	San Joaquin County-Raymus Village	3910014	1	SYSTEM COULD USE ANOTHER WELL.	DRILL NEW WELL. OTHER = DESIGN AND CONSTRUCTION	$450,000
5	C	1200	BELLFLOWER HOME GARDENS WC	1910012	2	Pipeline improvements to meet the requirements for II of the City of Bellflower, Water Master Plan	Installation of 8 inch lines to the distribution system.	$335,000
5	C	1500	RIO MANOR MUTUAL WATER CO	5610035	2	Substandard system reliability.	Facility replacements and improvements	$1,000,000
5	C	1500	RIO MANOR MUTUAL WATER CO	5610035	1	Replace fire hydrants, install service meters.	Replace 4 inch diameter hydrants with 6 inch diameter. Install meters to reduce water usage.	$150,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	3	Eliminate specific dead ends in the distribution system on Windover and Villa Heights Road.	Extend distribution line from 1900 Windover Road to 2090 Villa Heights.	$79,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	4	Eliminate specific dead ends in the distribution system on Doyne Road.	Extend distribution line from 3127 Doyne Road to Kinneloa Mesa Road.	$50,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	6	Eliminate specific dead ends in the distribution system on Larmona Drive and Kinneloa Canyon Road.	Extend distribution line from Larmona Drive to 1908 N. Kinneloa Canyon	$88,000
5	C	1650	KINNELOA IRRIGATION DIST.	1910035	5	Eliminate specific dead ends at 2090 Villa Heights Road and Crystal Lane.	Extend transmission line from 2090 Villa Heights Road to Crystal Lane.	$200,000
5	C	1940	Golden State Water Company - Edna	4010023	1	Needs to provide reliability features for sources	Generator connections	$15,000
5	C	1940	Golden State Water Company - Edna	4010023	2	Upgrade distribution system for adequate pressure during emergency flows.	Automation and telemetry-Country Club and Edna Road Reservoirs.	$80,000
5	C	2580	North Gualala Water Company	2310007	3	Distribution system does not meet WW stds (mains <4 inch), lacks loops; improve reliability components in distribution system	Replace undersized mains and install reliability components (pumps)	$4,200,000
5	C	3640	San Joaquin County-Mokelumne Acres	3910017	1	THREE OF THE SYSTEM'S WELLS HAVE DBCP GREATER THAN THE MCL	DRILL NEW WELLS TO REPLACE CONTAMINATED WELLS. OTHER = DESIGN AND CONSTRUCTION	$1,500,000
5	C	4300	Stallion Springs CSD	1510025	1	1) ADDITIONAL WELL DEVELOPMENT. 2) ADDITIONAL TANK STORAGE. 3) SERVICE - GRAVITY FEED	PROJECT GROWTH AND FULL USE OF THE RESORT WILL REQUIRE ANOTHER 100-200 GPM AND A 1 MG TANK	$800,000
5	C	4500	PALM RANCH IRRIGATION DIST.	1910103	1	Storage and groundwater source facilities are broken into and vandalized semi regularly	Install 6' high block wall around site perimeters, wrough iron entry gates, flood-lights, and electronic alarms.	$500,000
5	C	5326	Nevada ID - Lake of Pines	2910014	2	Degradation of treated water in storage due to dilapidated redwood tanks.	Replace both redwood tanks with welded steel tank.	$420,000
5	C	5458	ACWA Sutter Creek	310003	9	The Amador Canal conveyance system is a 23 mile open ditch system from Lake Tabeaud to the Tanner Water Treatment Plant (WTP) in Sutter Creek. The source is the Mokelumne River via Lake Tabeaud. The system was originally built in the 1850's to convey ra	The project would pipe the existing 23 mile canal to continue unfiltered-raw water service intended for agricultural uses. Piping the canal would continue to sustain the current service by maintaining pressures and reliability. Additionally, piping the	$4,700,000
5	C	6320	Nevada ID - North Auburn	3110026	3	Inadequate system storage for diurnal demands and emergency reserves.	Add 3.0 MG storage tank. Involves design and construction.	$1,700,000
5	C	6320	Nevada ID - North Auburn	3110026	2	Potential for contamination of treated water and prolonge water outages due to structural failure of reinforced concrete roof of Clearwell tank.	Install temporary shoring, patch cracks and holes, relocate system pumps, and replace roof. Involves design and construction.	$560,000
5	C	6320	Nevada ID - North Auburn	3110026	1	Inconsisten treated water quality due to premature filter breakthrough caused by periodic disrution of clarification process.	Add flash mix equipment. Involves design and construction.	$215,000
5	C	6500	CAMBRIA COMM SERVICES DIST	4010014	4	Needs to improve source capacity for maximum demand conditions.	Seawater desalination plant with beach wells	$10,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	6500	CAMBRIA COMM SERVICES DIST	4010014	5	Needs to upgrade distribution mains for earthquake safety.	Provide alternate temporary routing of the pipeline during construction and replacement of at least 300 ft. of pipeline.	$150,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	2	Limited source capacity requiring the purchase of outside water	Drill new well	$90,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	3		Drill new well	$125,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	11	Limited storage capacity	Construct 200k gallon reservoir	$160,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	1	Limited source capacity requiring the purchase of outside water	Drill new well	$30,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	4		Drill new well	$300,000
5	C	6713	RUNNING SPRINGS WATER DISTRICT	3610062	5		Drill new well	$100,000
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	3	NEED TO REPLACE OLD VALVES AND WATER METERS AT EACH OF THE WELL	INSTALL NEW VALVES AND WATER METERS	$52,430
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	1	REPAIR AND UPGRADE WATER STORAGE FACILITIES (4 RESERVOIRS).	SANDBLAST AND RECOAT INTERIOR AND EXTERIOR OF THE RESERVOIRS.	$1,244,000
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	2	RESERVOIR #1 IS FOR IRRIGATION ONLY, BY CONNECTING RESERVOIR # 1 AND #2, DAILY WATER STORAGE WILL INCREASE BY 14%	INSTALL PIPING TO CONNECT THE 2 RESERVOIRS	$296,250
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	6	WATER DISTRIBUTION VALVES NEED REPAIR	REPAIR AND REPLACE EXISTING VALVES	$44,500
5	C	10000	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	5	WELLS WITH NO CATHODIC PROTECTION	SUPPLY CATHODIC PROCTECTIONS FOR WELLS	$43,525
5	C	10200	Yuba City Groundwater-Region 2-3	5110003	1	Source capacity is very limited. Storage capacity is low.	Construct two new wells and 4,000 feet of 12" pipeline. Possibly iron and manganese treatment for the new wells.	$647,900
5	C	11852	Imperial, City of	1310006	2	Poor sludge removal from sedimentation basins; low rating of Giardia cyst and virus removal	Design and construct sludge removal improvements and filter improvements.	$1,500,000
5	C	12939	Nevada ID - E. George, Banner Mountain	2910004	9	Inadequate system reliability due to routine failure of substandard pipeline materials.	Replace with standard water main materials. Involves design and construction.	$440,000
5	C	16715	Golden State Water Company - Bay Point	710002	5	Drill a new well to improve system water supply and quality.	Drill new well.	$75,000
5	C	16715	Golden State Water Company - Bay Point	710002	3	Repair chemical storage facilities.	Repair of Aluminum and Caustic Soda chemical containment enclosures at the Hill Street Treatment Plant.	$75,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	16715	Golden State Water Company - Bay Point	710002	1	Pressure filters unable to operate at full capacity, or when in automatic mode without their control valves and meters operating improperly.	Replace all control valves and meters on the pressure filters at the Hill Street Treatment Plant.	$25,000
5	C	17100	Rio Linda/Elverta Community Water Dist	3410018	3	Construction of a regional transmission pipeline.	Refinance.	$8,000,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	1	One existing well has collapsed, causing more reliance on imported sources.	Construct replacement well near spreading grounds. Conduct tracer study to determine travel times of recycled water.	$1,250,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	4	Taste and odor problems from Well 2.	Treat & improve water quality with a batch treatment facility at well site.	$950,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	3	Casing of Well 304 collapsed. City destroyed well in June 2000.	Construct new well to replace Well 304.	$800,000
5	C	17631	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	2	A 15-inch sewer main is within 50 feet of wellhead.	Reinstall 85 feet of sewer main within a steel casing to maintain a 50 foot separation.	$25,000
5	C	21780	Valley of the Moon Water District	4910013	1	Water supply shortages during summer months. This is undocumented. Additional source capacity would be benificial as emergency back-up.	Construct additional wells.	$350,000
5	C	22000	PORT HUENEME WATER DEPT	5610009	2	Distribution system needs to be upgraded.	Remove the elevated water storage tank and replace the operational controls for the wells with programmable logic controllers and one variable speed drive. The water distribution system capacity and reliability will be improved during a water outage	$80,000
5	C	23564	SAN FERNANDO-CITY, WATER DEPT.	1910143	5	Well 3 is an aging system supply well which requires refurbishing to assure safe, potable water supply.	Recondition well column and casing. Clean well screens and replace pump/motor. Project involves: Design to solve problem and Construction	$85,000
5	C	36374	Golden State WC - Placentia	3010035	1	Potential nitrification hazard.	Study the need to install chloramination facilities.	$65,000
5	C	40000	Carmichael Water District	3410004	3	Wells do not have proper sanitary seals and have high levels of manganese.	Abandonment of wells.	$150,000
5	C	48909	Golden State Water Co. - Cordova	3410015	3	A need for dedicated sample stations to reduce the risk of notification of false positives.	Install industry approved water sampling stations in the system.	$45,000
5	C	48909	Golden State Water Co. - Cordova	3410015	2	Unprotected inlet structure.	Install a complete self-cleaning debris rack on the intake.	$15,000
5	C	51014	MONTE VISTA CWD	3610029	13	11 MG deficient in storage capacity per master plan	Construct new reservoir	$4,000,000
5	C	51014	MONTE VISTA CWD	3610029	12	Low system pressure in Zone 1	Construct new booster at Plant 16	$60,000
5	C	51014	MONTE VISTA CWD	3610029	6	No pump to waste lines on several wells	Construct pump to waste lines to divert flow to perc basin	$150,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	51504	City of Yuba City	5110002	5	With an increase in water production, the City may not be able to meet the CT requirements.	Rehabilitate storage tanks with baffles and reroute piping around treatment plant.	$1,126,000
5	C	51504	City of Yuba City	5110002	11	Emergency water well is needed during times when surface water treatment plant intake structure is flooded.	Drill a new well.	$665,000
5	C	51504	City of Yuba City	5110002	1	More filtration capacity needed to improve reliability of surface water treatment plant.	Construct two new dual media filters.	$2,250,000
5	C	51504	City of Yuba City	5110002	9	Insufficient treated water storage capacity.	Construct a 3.0 MG storage tank, pump station and appurtenances.	$3,360,000
5	C	51504	City of Yuba City	5110002	8	Insufficient capacity in existing backwash sump to allow decanting backwash water and recovery of wastewater.	Construct new backwash sump and pump station.	$525,000
5	C	51504	City of Yuba City	5110002	7	Existing surface water treatment plant sedimentation basins need rehabilitation.	Rehabilitate sedimentation basins.	$1,000,000
5	C	51504	City of Yuba City	5110002	10	Low water pressure at south end of City's distribution system.	Install new pipelines to increase water flows to low pressure areas.	$1,900,000
5	C	72584	Placer CWA - Foothill	3110025	6	General system improvement. Insufficient storage.	Construct 20 million gallons of storage. Involves design and construction.	$22,000,000
5	C	72584	Placer CWA - Foothill	3110025	5	General system improvement. Foothill Plant relies on PG&E canal and tunnel system to deliver water pumps to the plant which has failed.	Design and construct pipeline from Auburn Tunnel pump station to Foothill Water Treatment Plant.	$11,000,000
5	C	96226	CLOVIS, CITY OF	1010003	3	GROUNDWATER AVAILABILITY IS LIMITED IN THE NORTHEAST AREA OF THE CITY AND WATER PRESSURE WILL BE INSUFFICIENT TO SERVE THE AREA.	CONSTRUCT A 2 MG RESERVOIR WITH BOOSTER PUMPS.	$2,405,000
5	C	96226	CLOVIS, CITY OF	1010003	1	THE CITY'S GROUNDWATER BASIN IS CRITICALLY OVERDRAFTED AND THE WATER TABLE IS CONTINUING TO DECLINE.	EXPANSION OF THE CITY'S GROUNDWATER RECHARGE FACILITY.	$2,400,000
5	C	96226	CLOVIS, CITY OF	1010003	2		CONSTRUCTION OF A SURFACE WATER TREATMENT PLAN TO REDUCE RELIANCE OF GROUNDWATER PUMPING.	$9,400,000
5	C	100945	City of Antioch	710001	1	Old, deteriorated, and corroded coast iron and galvanized steel mains and services cause numerous leaks and resulting contamination. Also reduce available pressure and flow from fire hydrants.	Replace deteriorated mains with new and larger mains.	$250,000
5	C	108724	Mesa Consolidated WD	3010004	32	Risks in using gaseous chlorine	Switch to sodium hypochlorite	$86,000
5	C	108724	Mesa Consolidated WD	3010004	31	190 inoprable fire hydrants	Replace 190 fire hydrants	$206,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	108724	Mesa Consolidated WD	3010004	25	Other system defects. The service area currently has approximately 2,100 polybutene service lines that are not in compliance with current water works standards. There could be contamination caused by leaks or breaks in the pipes.	Replacement of existing polybutelene pipes with copper service lines.	$8,400,000
5	C	108724	Mesa Consolidated WD	3010004	3	Other system defects. A temporary pipeline connecting two wells develops leaks causing destructing to the environment and potential for contamination.	Installation of a permanent pipeline.	$1,000,000
5	C	112937	El Dorado ID - Main	910001	19	Existing filters need to be rebuilt.	Remove and replace old media with new mixed media filter material.	$300,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	2	Phase 2 of 2: Undersized Main and Inadequate Supply for Customers and Fire Protection	Construct 10,600 Linear Feet of 24” Water Main	$1,586,000
5	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	1	Phase 1 of 2: Undersized Main and Inadequate Supply for Customers and Fire Protection	Construct 11,100 Linear Feet of 24” Water Main	$1,660,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	3	Single transmission line supplies majority of water to system	Construct 10 MGD SWTP to increase reliability (Phase I)	$10,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	11	Well F3A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	$1,750,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	16	Well F25A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	$1,750,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	18	Surface water intake facilities need improvement	Various improvements to intake and pipelines	$760,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	20	Well F26A is contaminated with perchlorate over one-half the NL	Construct ion-exchange treatment to remove perchlorate	$1,500,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	4	Single transmission line supplies majority of water to system	Construct 10 MGD SWTP to increase reliability (Phase II)	$10,000,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	21	Well F23A is contaminated with perchlorate at over one-half the NL	Construct ion-exchange treatment to remove perchlorate	$1,500,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	22	Well F37A is contaminated withe nitrate above the MCL	Install ion exchange treatment to remove nitrate	$1,500,000
5	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	12	Well F4A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	$1,750,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	12	San Gabriel's Plant B14 facility has only one storage reservoir that cannot be taken out of service for needed cleaning and maintenance.	Construct a second water storage reservoir.	$3,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	11	Wells No. 2D, 2E, and 2F are contaminated with trichloroethylene (TCE).	Construct treatment facility using liquid phase granular activated carbon to remove trichloroethylene.	$3,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	13	San Gabriel's Plant G3 facility has only one storage reservoir that cannot be taken out of service for needed cleaning and maintenance.	Contruct a second water storage reservoir.	$1,200,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	10	Existing transmission pipeline providing water to the Hacienda Heights area is nearly 60 years old and must be replaced	Install a 30-inch diameter pipeline to deliver a reliable water supply to the Hacienda Heights portion of San Gabriel's service area.	$2,000,000
5	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	14	San Gabriel's Plant G6 facility has only one storage reservoir that cannot be taken out of service for needed cleaniong and maintenance.	Construct a second water storage reservoir.	$1,200,000
5	C	1256951	San Diego - City of	3710020	20	Aging pipelines need to be replaced.	Pipeline improvements.	$17,755,070
5	C	1256951	San Diego - City of	3710020	21		Pipeline improvements.	$17,010,340
5	C	1256951	San Diego - City of	3710020	22		Pipeline improvements.	$14,526,600
5	N	3	Lighthouse Marina Complex	3410035	1	Insufficient storage and the system is too old.	Install new filter, new lines and new tanks.	$45,000
5	N	25	DECKER CANYON YOUTH CAMP	1900831	1	WATER STORAGE CAPACITY NOT LARGE ENOUGH	INSTALL AN ADDITION TANK (15,00O GAL)	$34,000
5	N	80	GOLDEN VALLEY CAMP	300667	1	LACK OF RELIABILITY FROM SINGLE WELL. LIMITED WATER SUPPLY.	DRILL NEW WELL	$10,000
5	N	100	Conservation Endowment Fund	5601306	1	Upgrade the distribution mains and system.	Upgrade (new) pipe, possible filter treatment system	$15,000
5	N	250	Holcomb Valley Scout Ranch	3600589	1	Old storage facility	Construct new reservoir	$150,000
5	N	250	BERKELEY CAMP	5500136	1	SYSTEM LACKS RELIABILITY AS IT HAS NO AUTOMATED BACKWASH SYSTEM, SHUTDOWN OR ALARM SYSTEMS.	INSTALL AUTOMATED BACKWASH SYSTEM, PLANT SHUTDOWN AND ALARM SYSTEMS.	$41,000
5	N	350	KERN CO P&R-TEHACHAPI MT PARK WATER	1502325	1	BOTTOMS AND SIDEWALLS OF TWO 44,000 GAL. ARE RUSTING OUT.	REPLACE BOTH TANKS	$120,000
5	N	2926	NORTHGATE 880	3400173	2	Low production wells and no emergency water supply. Low pressure complaints.	Construct a new 1,200 gpm well and chlorine treatment system. Involves design and construction.	$200,000
5	N	2926	NORTHGATE 880	3400173	1	Wells have a history of low water production. No emergency water supply is available and low pressure complaints.	Construct a 500,000 gallon water storage tank. Involves design and construction.	$500,000
5	P	25	CUYAMA LANE WATER COMPANY	4000598	1	Needs to upgrade and replace distribution system facilities.	Upgrade the entire water system & replace leaking hydrants	$100,000
3	C	0	THREE VALLEYS MWD	1910041	6	The Six Basins area straddles the Los Angeles-San Bernardino county line and includes six groundwater basins overlying the cities of Claremont, Pomona, La Verne, and Upland. The basins have experienced water quality problems in the past primarily due to	This multi-purpose project seeks to produce local groundwater from a basin that has historically exhibited water quality and rising water challenges. It is located within the Six Basins area, which includes cities in both Los Angeles and San Bernardino c	$10,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	0	Randall-Bold Water Treatment Plant	710010	1	Due to changes in source water quality, the plant has increased chemical doses and decreased plant's treated water production capacity to less than 30 MGD	Construction of sedimentation basins	$5,500,000
0	C	0	CALLEGUAS MUNICIPAL WATER DIST	5610050	2	Needs to upgrade distribution system.	Replace the pipelines or install small diameter pipelines inside.	$20,000,000
0	C	0	THREE VALLEYS MWD	1910041	1	HIGH NITRATE WELL WATER IN REGION. (NO REPORTED VIOLATIONS SINCE WELL WATER IS BLENDED WITH AVEC SURFACE WATER TO MEET THE STANDARDS)	INSTALL A REGIONAL NITRATE REMOVAL PLANT.	$5,000,000
0	C	25	Glen Helen Regional Park	3600108	2	Existing waterlines are deteriorating and in need of replacing with larger pipe to provide enough water for growth	Construct new water lines to provide a reliable water supply and enough for growth at the Glen Helen Rehabilitation Center and sheriff facilities	$1,000,000
0	C	25	Glen Helen Regional Park	3600108	1	Inadequate storage capacity for fire fighting	Construct 400,000 gallon and 1,000,000 gallon storage tanks	$1,000,000
0	C	27	WINTERHAVEN MOBILE ESTATES	1900961	1	125,000 gallon reservoir needs replacement due to age.	Remove and contruct new reservoir.	$80,000
0	C	30	BLYTHE MOBILE HOME ESTATES	3301045	1	Water testing costs, permits, & well maintenance costs are prohibitive & escalating - We do not charge for water.	Install water meters. (System has one 4" well & 220 gal pressure tank to serving 23 connections. County reports that system is rent controlled and needs to present cost issues to the Rent Control Board for review.))	$12,000
0	C	30	Covelo Mobile Home Park	2300892	1	Well sources without disinfection. Occasional postiive TC samples	Install blend tank and chlorination system for system's two wells	$10,000
0	C	30	Foothill Mutual Water	4300630	1	Original water lines breaking, needs replacement.	Replace old pipes with new water pipes.	$80,000
0	C	31	NORTHWOODS MUTUAL WATER SYSTEM	400003	3	Distribution system has numerous leaks identified.	Replace existing distribution system mains.	$10,000
0	C	32	SOUTH DESERT MUTUAL WATER COMPANY	1502619	1	Inadequate source and storage capacity.	Add storage and source capacity.	$65,000
0	C	35	TERRA DE ORO WATER COMPANY	4000749	2	Water security improvements needed.	The 562 foot long security fence around the storage tank and distribution site needs to be repaired or replaced to assure continued security. This fence was not built to the original engineering plan specifications in 1985. The plans called for a 6' cha	$23,000
0	C	35	TERRA DE ORO WATER COMPANY	4000749	1		Terra De Oro Water Company has 2 well sitesSometime in the past, the operator or the landowner removed the security fence around one of the well heads. This fence needs to be replaced in order to secure and protect the well head from vandalism and more i	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	40	STONEWOOD CANYON ESTATES	3301800	1	Our system experiences water pressure and availability problems throughout the year and does not meet fire standards. The system was upgraded in 1985, but due to limited funds we were not able to complete it as designed. The system is made up of 1.5" to	This project is expected to replace transmission lines that are too small, with larger ones to meet fire flow and provide adequate drinking water flow. In the process, lines will be installed to local standards to prevent freezing in the winter months. A	$15,000
0	C	45	CORRAL DE TIERRA ESTATES WC	2700536	1	Water production and water quality of the auxiliary well are poor.	Abandon and close the auxiliary well.	$10,000
0	C	45	Summit View Ranch Mutual Water Co.	4900892	1	Inadequate storage- we have a 40,000 gal redwood tank for what will be a build out of 22 homes.	Add storage of 20 to 40,000 gals and associated plumbing linkage.	$50,000
0	C	48	Sierra Road Improvement Association, Inc	4300546	1	System plagued by excessive pipeline leaks.	Replace 900 feet of 50 year old 4-inch steel pipe with plastic pipe.	$100,000
0	C	50	ROCKWATER APTS.	900655	1	Very old well	would like to upgrade	$10,000
0	C	50	Loch Haven Mutual Water Company	4900575	1	Provide additional storage, leaking tanks	Replace leaking tank and new tanks	$16,000
0	C	52	ASOLEADO MWC	2702148	2	Old storage tanks (10,000 gals.each) and corroded leaking distribution system	Excavate underground tanks and replace, repair distribution system	$200,000
0	C	54	ALLAN LANE WATER ASSOCIATION	4400692	1	Has some coliform problems in distribution system, need to upgrade distribution system	replace distribution system, and install meters and backflow devices	$250,000
0	C	54	WALKING M RANCHES ASSN.	4200804	1	Needs to upgrade the source or distribution system.	Either new well in different location or new non metal distribution system and well pump.	$69,000
0	C	55	CACHAGUA MUTUAL WS (#4)	2701888	2	Fecal contamination	Design and construct new well, storage tank and distribution;	$300,000
0	C	55	Rolling Oaks Road Association	4900846	1	Declining output of existing well.	Descale and flush well casing. If this does not work, then drill new well.	$20,000
0	C	60	Aspendell Mutual Water Company	1400066	2	The community of Aspendell is in the Eastern High Sierra Mountains at an elevation of 8500 feet surrounded by National Forest. In past years almost half of the homes were occupied by full time residents using water on a daily basis. Mpre recently, the h	This project involves digging out the end of the water lines on each cul de sac and installing a drain valve. Primary equipment needed would be a backhoe.	$10,000
0	C	60	ANGLER S RANCH #3	707501	1	Low water pressureLack of storageNeed for meters to encourage conservation of water	Increase water pressureIncrease storage capabilityEncourage conservation by installing metersImproves water pressure by use of submersible pumpIncreases storage by adding storage tanksInstalling meters to charge by volumn of water used	$78,800
0	C	63	West End Mutual (Willow Wells)	3600345	2	Our secondary well which is a sealed well, and works in tandem with our primary well, was installed in 1958 as was everything that goes with it (pump, etc.). While we do have another well we need to have 2 working wells in good repair to service our custo	Our secondary well which is a sealed well, and works in tandem with our primary well, was installed in 1958 as was everything that goes with it (pump, etc.). While we do have another well we need to have 2 working wells in good repair to service our custo	$98,400

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	63	Oakmont Water System	4300526	1	Upgrade of distribution system to qualify for consolidation with SJWC	2600 LF of mains to be replaced with 6-inch DIP; replacement of 5/8" service connections; replacement of 22,000-gal redwwod tank with 30,000-gal steel tank	$420,000
0	C	65	Dolphin Isle Marina	2300743	1	I am requesting funds to replace existing well pump. The one in there now was originally installed in 1962. It may fail at any moment, probably at the worst possible time.	we will be replacing well pump. This will entail removing the roof from the pump building, pulling the old pump out and replacing it with a new pump. Then we will replace the roof of the building. I recently replaced the control panel for the pump, so it	$10,000
0	C	66	SANTA RITA WATER CO	4200822	1	Upgarde the distribution system.	Install meters at each service	$20,000
0	C	68	ST. CLAIR RANCHOS MUTUAL WATER CO.	1500507	1	Deterioration of existing lines due to age	Have new water lines installed with new connections, fire hydrants-valves, etc.	$50,000
0	C	69	GARLEN COURT WS	2700686	2	Borderline nitrate problems.	Deepen existing well.	$35,000
0	C	70	North Lone Pine Water District	1400072	3	Our mains and laterals were installed in the 1940's with used military surplus pipes. Some of the mains were replaced in 1972 with welded steel pipe, the life expectancy of which is 35 years. We are regularly experiencing lateral breaks. Our local plumber	We wish to install new mains, laterals and fire hydrants.	$300,000
0	C	70	North Lone Pine Water District	1400072	2	Backup well has insufficient capacity and sheared casing	Design and construct a replacement backup well	$165,000
0	C	74	Athena Terrace Mutual Water Company	4900673	1	Our system has two 12,000 gallon redwood storage tanks that are 40 years old. They need to be replaced. They leak, they have steel bands that are rusting through, and inlet/outlet pipes that are rusting off. The inside of the tanks get a slime on the w	The two redwood storage tanks, built 40 years ago, are now surrounded by homes and yards, making access for demolition and construction very difficult. The two old tanks and their concrete pad would need to be demolished, and two new concrete tanks poure	$40,000
0	C	76	SUNNYSIDE ESTATES WATER SYSTEM	3900714	1	ONE OF THE WELL IS STAND-BY DUE TO HIGH DBCP LEVELS.	CONSTRUCT NEW WELL AND ADD AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCITON	$450,000
0	C	78	OAK HAVEN ASSOCIATION	3301528	1	System was put in in 1976. Pipes and equipment are aging and deteriorated.	Replace Distribution System.	$75,000
0	C	79	Clio Public U.D.	3200509	3	Install a new 100,000 gallon tank to replace our existing 12,000 gallon tank. Including replacement of old (approx. 35 years) water transmission line from the tank to town (approx. 1.5 miles). The reasons for this are twofold. First, to supply adequate ba	This project will include the installation of a new, larger (100,000 gallon) water tank to replace our current 12,000 gallon tank. Our currrent tank would then be used as a backup or removed from the premises. In all probability the new tank will have to	$600,000
0	C	80	Alleghany County W.D.	4600012	1	Electronic system for treatment plant needs to be replaced. New turbidimeter, new system pump at treatment plant and need new portable test equipment. Replace membranes.	Make improvements to treatment facility to ensure continued reliable water supply.	$55,000
0	C	95	TICO MUTUAL WATER CO	5601122	4	Needs to upgrade distribution system.	Acquisition and installation of water meters	$50,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	96	C.C.W.D. Sheep Ranch	510004	3	200 feet of pipeline was destroyed by a landslide.	200 feet of new pipeline is required as a permanent solution.	$100,000
0	C	100	GOLD MOUNTAIN CSD	3205003	1	The Gold Mountain Community Service District's water system was designed and approved with predicted well water yields that were sufficient for this small community. However, currently, the two existing wells that the District owns and uses produce appro	The District has set a goal fire flow of 750 gpm in addition to peak hour potable demands throughout a large part of the system. In order to meet this flow capability, constructing parallel lines or replacement of existing lines with larger diameter line	$1,500,000
0	C	100	Fairview Water Company, LLC	1502670	2	The drinking water problem that this project will address is Chemical contaminates (Nitrates & Perchlorates levels) in excess of the mg/Ls and/or trending towards being in excess of the mg/Ls, drawn from 3 well sources. The drinking water sources impacted	Fairview Water Company, LLC. Is seeking professional services to make water quality and operational capital improvements in an effort to provide reliable high quality water at competitive prices by providing project management, assessment, evaluation, des	$500,000
0	C	100	WEST VALLEY MUTUAL WATER COMPANY	1500550	1	Dead ends in the distribution system causing bad water samples during warm summer months	Working into chlorinating the system or possibly rerouting water routes to eliminate dead ends.	$15,000
0	C	100	WHITE ROCK LAKE RV PARK	1900975	1	OLD WATER PIPES NEED REPLACEMENT	REPLACE GALVANIZED PIPES TO PLASTIC PIPES.	$58,000
0	C	100	Fairview Water Company, LLC	1502670	3	Fairview Water Company LLC serves a rural community within the Cummins Valley Water basin. The water company currently has no provision for emergency source of supply in case of well system and or source of supply failure. The Water Company is proposing a	Construction of an emergency intertie with the Stallion Springs CSD (SSCSD) consisting of about 1.5 miles of 8" pipeline, a pressure regulating station(SSCSD to Fairview) and a booster pump station (Fairview to SSCSD).	$400,000
0	C	100	ALTA SIERRA MUTUAL WATER CO.	1500209	1	Four redwood storage tanks on USDA National Forest property. Also, low water pressure due to undersized mains.	Install new storage tank and distribution pipeline.	$258,000
0	C	108	LOMA MAR MUTUAL	4100512	7	Need to add addition storage capacity to meet system demands, fire flow and CA Waterworks Standards	Install additonal 40,000-gallon reserve storage tank	$40,000
0	C	108	LOMA MAR MUTUAL	4100512	3	Pumping plant in poor condition, is unreliable.	Install new pumping station/	$60,000
0	C	108	LOMA MAR MUTUAL	4100512	8	Old (50-75 years old) distribution system pipes with maintenance problems and exposed to potential bacteriological problems	Make upgrades to existing underground distribution systm piping and valves	$360,000
0	C	110	DEL RIO EAST HOA WATER SYSTEM	5000099	1	BACK-UP WELL IS CONTAMINATED WITH DBCP IN EXCESS OF MCL	THEY PROPOSE TO DRILL A NEW WELL. CITY OF MODESTO HAS PUBLIC WATER ABOUT 1000 TO 2000 FEET FROM THIS SYSTEM. THEY SHOULD CONNECT TO THE MODESTO DEL RIO SYSTEM.	$75,000
0	C	120	BOBCAT SPRINGS MUTUAL WATER CO	4200891	1	Replace deteriorated distribution pipes.	replace 3000 feet of 6 inch line.	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	125	Lake Canyon Mutual Water Company	4300522	4	Lower half of the water system serviced by watermain,which does not meet current fire department requrements, resulting in low water pressure	Installation of a 6-inch line throough distribution system	$250,000
0	C	125	ESTERO MUTUAL	2100519	3	Well 12 requires conditioning and replacement of old pump and rusted surface casing to improve water supply and safty. Rusted surface casing may allow intrusion of foreign material, that could contaminate the well. Iron bacteria build up often clogs pu	Well 12 would be bailed out to remove excessive build up at bottom of well. Acid treated to help remove excess iron bacteria build up in well and rock stratum. Replacement of surface casing and installation of new pump and motor.	$10,000
0	C	125	Lake Canyon Mutual Water Company	4300522	3	Water storage tanks failing; undersized water mains	replace tanks; replace water mains	$450,000
0	C	125	ESTERO MUTUAL	2100519	1	Old storage tank needs replacement.	Replacement of storage tank.	$100,000
0	C	125	Spaulding/Eagle Lake MWC	1800534	2	Lack of circulation	Add loop. Construct new mains between existing mains.	$50,000
0	C	126	RANCHO YNECITA MUTUAL WATER CO	4200837	1	Wells needs to be rehabilitated.	Acid clean well and replace pump, motor etc.	$25,000
0	C	126	ASSISI MWC	2700503	2	replace old transite pipes in system	update all the system pipes	$150,000
0	C	130	Roseview Heights Mutual Water Company	4300562	1	Tanks are old and need to be replaced. Need to design a more modern system to tell pumps when to start.	Replace tanks and design a new system to turn on pumps when tanks need filling.	$200,000
0	C	148	CURRIER ESTATES WATER CORP	3900701	1	Elevated arsenic in well	Add treatment or replace well with elevated arsenic.	$100,000
0	C	150	STRAWBERRY RD WS #06	2700766	4	The Strawberry Water System provides water to 27 households. Currently there are two storage tanks (one 15,000 and one 10,000 gallons). Both tanks are more than 30 years old and are aged. The tanks have developed holes that have been repaired on severa	The plan is to contract with a reputable contractor who will provide equipment, materials and labor to extend the cement foundation to accommodate at a minimum three (3) 10,000 poly storage tanks. They will drain the one 15k tank and dispose of the tank,	$40,000
0	C	160	Pinyon Pimes County Water Dist	3301512	2	Current 10,000 gallon pressure tank is in need of replacement due to material fatigue	Removal and replacement of aging 10,000 gallon pressure tank with 15,000 gallon pressure tank (volumn increase to help with area fire supression)	$98,000
0	C	160	Surfwood Mutual Water Corporation	2300590	1	Creek intake subject to contamination from spills into creek from adjacent highway	Construction of 100K raw water tank to allow intake to be shut down. Construction of four wells to serve as backup to surface water source.	$150,000
0	C	180	Apple Valley Village MH Est	3600400	1	High calcium and magnesium	Construct filtration system	$20,000
0	C	186	COUNTY SERVICE AREA 7	4100509	4	Dsitrbution system is undersized and not meeting system pressure requirements	Make upgrdades/improvements to distibution system to meet CA Waterworks Standards	$200,000
0	C	186	COUNTY SERVICE AREA 7	4100509	2	Domestic water mains with pressure less than 5 psi.	Replace old undersized water mains. Relocate the section of mains that are crossing the creek to prevent fires.	$1,600,000
0	C	190	Green Mountain Water Company	4300560	3	develop second source and chlorination system for this source	develop second source and chlorination system for this source	$150,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	190	Green Mountain Water Company	4300560	4	development of additional storage capacity	development of additional storage capacity	$250,000
0	C	200	Sierra Grande Estates Mutual Water Co.	1400070	5	Excessive water consumption by customers	Install water meters at each service connection & create billing system based on consumption to encourage conservation	$60,000
0	C	200	Sierra Grande Estates Mutual Water Co.	1400070	6	Excessive Electric bills due to insufficient pressure pump operation	Replace existing pump motor control with analog variable speed control for pressure.	$18,000
0	C	200	CA CITIES WTR SISQUOC #1	4200560	1	10,000 gallon reservoir is deteriorated and needs to be upgraded.	Construct new 10,000 gallon reservoir.	$10,000
0	C	200	MODESTO MOBILE HOME PARK, LLC	5000066	1	Back up well does not meet nitrate and DBCP standards.	Connect to City of Modesto	$220,000
0	C	200	CA CITIES WTR SISQUOC #1	4200560	2	Need upgrades to the system operations for reliability.	Install automation and telemetry at the Sisquoc plant.	$30,000
0	C	210	MORO RD WS #09	2701926	1	The system has 6 storage tanks 3 -20,000 gallon tanks installed in 1979 and 3 -17,000 gallon tanks installed in 1997. The 3 - 20,000 gallon tanks have increasing shown signs of increased rusting inspite of regular painting & maintenance.	Replacement of the 3 - 20,000 gallon tanks is required. New tanks will be placed in the same area. The existing pads will be checked to see if they need to be replaced at the same time.	$80,000
0	C	210	OAK TRAIL ESTATES MUTUAL WATER	4200881	1	Needs to improve source capacity.	Drill and install new 100 HP pump and 12 inch well.	$125,000
0	C	211	FERN GROVE WATER CLUB	4400572	2	Aging pipes and aging water tanks	replace current galvinized pipe w/ PVC pipe. Replace metering boxes and 6 or 7 stainless steel tanks	$500,000
0	C	225	MOTHER LODE MOBILE ESTATES	5500125	3	The adjacent property is contaminated with MTBE. However, the MTBE plume has not yet contaminated this system's water supply.	Connect the water system to the Tuolumne Utilities District.	$300,000
0	C	234	CASMALIA COMM. SERVICE DIST.	4200870	2	The distribution system is in dilapidated condition, leaks continuously, and breaks frequently. They have frequent water outages due to distribution system failure. There are approximately 60 water service laterals that need replacement from the main to t	The project will consist of distribution system repairs to replace portions of the delivery system and approximately 60 service laterals. A distribution system evaluation needs to be done to determine if the main is in serviceable condition.Costs include	$400,000
0	C	240	Trailer Haven Mobilehome Park	103041	1	Storage tank ia out dated and nonfunctional.	New pump system for maximum water pressure and for the fire Dept. hook up in case of emergency	$50,000
0	C	243	PAINTED CAVE MUTUAL WATER	4200578	2	The exisitng water storage tanks are 40+ years old, with a total storage capacity of 40,000 gallons. These tanks are corroded beyond repair and are in need of replacement. The water system has had occurences of positive bacti results, especially when it r	Replace the two existing 20,000 gallon tanks with two new 81,000 gallon, epoxy lined steel tanks. Project cost includes demolition, grading, tank assembly and piping/control work. Design work for this project has already been completed.	$150,000
0	C	245	Westridge Community Services District	1400029	1	Aging water storage tank needs repair	Inspect tank and determine if repair or replacement is needed	$15,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	250	SANTOS RANCH PWS #5-CSA #35	3901216	1	HIGH TDS IN WELL 1	CONNECT TO CITY OF TRACY WATER AND BLEND. (APPEARS TO BE INTERCONNECTION, NOT CONSOLIDATION). OTHER = DESIGN AND CONSTRUCTION	$600,000
0	C	250	ENOS LANE PUBLIC UTILITY DISTRICT	1500544	1	PART OF SYSTEM HAS DEAD END WATER LINES	LOOP THE SYSTEM	$500,000
0	C	250	College Park Mutual Water Company	4900667	1	Well collapsing	Drill new well	$100,000
0	C	252	STRICKLAND ACRES	5602117	1	- Water outages - up to twelve hours in duration. - Due to age, the system isolation valves are no longer operable, so any leak or repair entails loss of supply to all connections. - Steel laterals within portions of system are corroded and reduced	- Install chlorinator to replace solid pellet system. - Replace water storage tanks (two x 27000 gal. each) (11 panels, 58 bolt center to center, 16 ft high. 26900 gal) - Repair or replace pressure tank Number 2: (19 feet long, 6.5 diameter	$2,000,000
0	C	268	Tres Pinos CWD	3500509	3	The waterworks improvement project will supply fire-flow to a community that currently does not have adequate fire flow; it will lift the moratorium on new connections which has been in effect for over 10 years. This project will also provide a secondary	The water works improvement project includes one new 250,000 gallon water tank, land purchase for tank site, new 800 gpm well, 12" pipelines: (Southside to Quien Sabe along Bolado; Third St., F St. to Airline; First., F St. to Airline; Airline to Fifth St	$2,000,000
0	C	276	BUTANO CANYON MUTUAL	4100503	2	Exisiting 2 60,000-gal tanks in need of replacement due to old age, deterioration and interior rust.	Purchase and installation of two new 60,000-gal steel tanks to replace the existing ones.	$200,000
0	C	290	DUTCH FLAT MUTUAL	3100058	4	Water security improvements needed.	This project is to provide an adequate fence and security lighting system for the water plant and storage facilities. Currently this is the only available water source for the community so protection is very important.The water treatment plant has a 6 fo	$34,250
0	C	290	DUTCH FLAT MUTUAL	3100058	3	A combination of monitoring (control replacement) and feasibility study - drought planing.High water demand in the summer through early fall is causing the plant to operate near peak capacity. If this increase in usage continues will need to repace non-e	THe DFMWC daily winter use is approximately 19,000 gallons per day. Summer use may be as high as 91,000 gallons/day. Approx 80% of this 71,000 gallon difference is for the irrigaion of landscaping, small gardens or small orchards or approximately 9 mill	$21,890
0	C	300	Northstar C.S.D.	3110028	1	Inadequate water supply. Need additional wells.	Develop groundwater storage. Involves study, design and construction.	$250,000
0	C	330	Sharondale Mesa HOA	3301879	1	Existing 1 plastic service lines are leaking in street creating substantial damage to street as well as loss of water. Plastic service lines need to be replaced with 1 copper pipe.	1 copper pipe will be installed to replace leaking 1 plastic service lines.1 corporation stops will be installed at the distribution pipeline to do away with the unvalved connections.	$350,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	340	WARNER SPRINGS ESTATES	3702354	3	Warner Springs Estates/Stone Ridge was constructed approximate 35 years ago. At that time, present codes were not in place and four streets/areas in the community--Ironwood, Manzanita, Ocotillo and Ocotillo Court--do not have adequate water line connecti	Removal of 2 pipe lines and installation of 6 pipe lines will be done on four streets containing approximately 56 lots: Ironwood, Manzanita, Octillo and Octillo Court. This will involved digging trenches, pipe installation, appropriate replacement of	$400,000
0	C	340	WARNER SPRINGS ESTATES	3702354	1	To date the Well #8, our newest and most productive well, has been a five year project yet to be completed. As drilled in 2004 this well is capable of providing 150 gallons per minute. We have been able to equip the new well with electricity, fencing, v	Purchase and install a filtration system to lower Iron (4.37 mg/L) and Manganese (0.14 mg/L) levels in Well #8s water so that the State of California will approve the water for consumer use. A concrete base, storage structure, flushing system including	$200,000
0	C	340	WARNER SPRINGS ESTATES	3702354	2	During power outages, water distribution/access is very limited and when outages are for long periods of time, without a generator to provide power to run the Well #8 pumping system, it is impossible to provide water to residents.Warner Springs Estates/	Purchase and install a generator at Well #8. A concrete base, storage structure, propane and electrical connections, appropriate engineering consulatation, etc. will be needed. Propane lines run throughout the community and is the only fuel source; howe	$200,000
0	C	365	COYOTE VALLEY MUTUAL WATER CO	1300514	1	corroding tank	build new tank or recoat	$500,000
0	C	380	Alpine Springs County Water District	3110029	1	Redwood tank that is source of contamination to the drinking water.	Replace the redwood tank with a steel tank. Involves design and construction.	$500,000
0	C	400	PALO VERDE COUNTY WATER DIST.	1300616	3	equipment storage needed	construct storage facility	$20,000
0	C	400	Coast Springs - Cal. Water Service (PUC)	2110007	1	Old reservor leaking and corroded.	Replace with new reservoir.	$100,000
0	C	400	SUMMIT WEST MUTUAL WATER CO.	4400617	1	System has many poorly located small storage tanks that are aged or were damaged in 1989 earthquake.	Replace existing tanks with one new, optimally located tank of adequate capacity	$250,000
0	C	431	SKYLONDA MUTUAL	4100533	6	Existing storm drain bypass and surrounding area need to be upgraded to protect water quality in the raw water storage basin.	Repair slippage along Highway 84 that runs along the side of the storage basin and improve the raw water storage site.	$12,000
0	C	431	SKYLONDA MUTUAL	4100533	1	Taste and odor problems caused by algae in raw water storage basin.	Addition of charcoal filter to control taste and odor problems.	$15,000
0	C	431	SKYLONDA MUTUAL	4100533	3	Water system is unreliable during frequent power outages.	Purchase and install emergency generator.	$10,000
0	C	431	SKYLONDA MUTUAL	4100533	4	Algae bloom in raw water storage basin.	Install and increase aeration facility in raw water storage basin to decrease summer algae bloom.	$10,000
0	C	431	SKYLONDA MUTUAL	4100533	5	Raw water pumps that raise water from La Honda Creek to Blakewood Way Storage Basin need to be replaced.	Install replacement 3hp raw water pump and controller unit.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	450	SENIOR CANYON MUTUAL WATER CO	5601117	12	Tunnel water line is out of service due to suspended cable snapped. No water from horizontal well	Need to work on anchor on the far side (re-compact legs) & run 200 ft of 6 in. line to tie back into existing line	$20,000
0	C	450	PURESOURCE WATER, INC	4400598	2	Well does not have automatic control resulting in either shortages or overflows.	Install control system and booster pump/pressure tank and connect to system.	$10,000
0	C	465	Point Arena Water Works	2310013	3		Install an electric gate and security fence at the main storage tanks located on 135 Riverside Drive, Point Arena. Install security fence around the Garcia River wells located on Windy Hollow Road, Point Arena.	$41,300
0	C	465	Point Arena Water Works	2310013	5	Installation of approximately 540 feet of 12 main line on Mill Street, Point Arena to replace a deteriorated section of 6 main line, which is over 60 years old.	Upgrade a 60 year old 540 foot section of the 6 main line to a 12 main line. This upgrade will increase the Fire flow protection of the City of Point Arena as well as secure the integrity of the infrastructure of the distribution pipes in that part of t	$75,900
0	C	465	Point Arena Water Works	2310013	1	Undersized main from Town Tank to Mill Street. Fencing needed around tanks and source well for security.	Project to replace old 6" main with new 12" main between 125K Town Tank and Mill Street. Install fencing.	$70,000
0	C	465	Point Arena Water Works	2310013	2	Replace a 15H.P. submersible pump at the Garcia River. The pump is located on a raised pad 250 feet northwest of the old existing well, which floods during the winter time. When the river floods, it is impossible to get to the pump because the field is un	Acquisition of 15H.P. submersible pump to operate as a backup pump should the currently installed 15H.P. submersible pump at the Garcia Well 02 (which is the only source of water for the system) fail. It would take a minimum of two to three days to have a	$13,700
0	C	499	LAKEVIEW HILLS COMMUNITY ASSOC	3103835	1	Water sytem was designed as a dual system (irrigation and domestic) due to older and leaking infrastructure domestic lines lose water pressure; therefore increasing risk of cross connection with irrigation system.	Replace water line infrastructure to 150 residents.	$3,000,000
0	C	500	Squaw Valley Mutual Water Comp	3110019	2	Piping is very old.	Replace with new pipe.	$360,000
0	C	500	Sonoma County Water Agency	4910020	7	Water security improvements needed.	The Sonoma County Water Agency (SCWA) is a wholesale potable water provider to 700,000 people (including transients and tourists) in two counties (Sonoma and Marin) through nine public water system contractors. The SCWA EPA-approved Vulnerability Assessm	$50,000
0	C	500	Sonoma County Water Agency	4910020	9		The Sonoma County Water Agency (SCWA) is a wholesale potable water provider to 700,000 people (including transients and tourists) in two counties (Sonoma and Marin) through nine public water system contractors. SCWA operates a Supervisory Control and Dat	$50,000
0	C	500	CIRCLE WATER DISTRICT	2800521	2	Storage tank in poor condition	Storage Tank & Pump Station	$400,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	500	Napa County Public Works-LBRID	2800526	2	Aged clarifier is showing signs of deterioration.	Replace clarifier	$125,000
0	C	500	Sonoma County Water Agency	4910020	8	Water security improvements needed.	The Sonoma County Water Agency (SCWA) is a wholesale potable water provider to 700,000 people (including transients and tourists) in two counties (Sonoma and Marin) through nine public water system contractors. SCWA operates a Supervisory Control and Dat	$150,000
0	C	500	Squaw Valley Mutual Water Comp	3110019	3	Old wells. Needs additional wells.	Replace old well with new one.	$300,000
0	C	500	Squaw Valley Mutual Water Comp	3110019	1	Wells are too old, capacity is dwindling; needs rehabilitation.	Rehabilitation of Wells #1 & 2.	$70,000
0	C	525	TOKAY PARK WATER CO	3400172	1	deteriorated pipelines	replace pipelines	$450,000
0	C	525	TOKAY PARK WATER CO	3400172	2	Pipes are too old and cause emergency, costly repairs.	Replace piples and valves.	$950,000
0	C	530	Smiley Park Country Club	3600260	4	Smiley Park Country Club is a private community in the San Bernardino Mountains near Running Springs. This is a community of 165 building sites (125 currently have water connections) in an area of 265 acres. Smiley Park maintains a private water system	A recommended treatment to reduce corrosivity is an aeration system which allows dissolved CO2 to be released resulting in raising the pH and, hence, reducing the corrosivity. An aeration system is preferred over treatment system that add chemicals to t	$30,000
0	C	530	Smiley Park Country Club	3600260	3		We propose to install an automatic, digital tank level monitoring system which will indicate when the tank is both very low and when it is close to overflow. The digital information will be sent wirelessly to allow monitoring. In additon, during overflo	$10,000
0	C	584	MAR VISTA WATER COMPANY INC	4400502	4	Mar Vista Water Company (MVWC) facilities had supplied water to residents of Forest Glen subdivision and a number of adjacent parcels for at least 60 years. All but a handful of these residents do not have meters. Meadow Ranch subdivision, built in the	Radio-read meters are preferable over direct-read meters because radio-read meters support early detection of service line leaks or excessive consumption and provide far better support for water conservation programs. Much of TGW's service area is compris	$55,000
0	C	600	San Francisco Regional Water System	3810001	27	Palo Alto pipeline needs redundant connection.	PROVIDE REDUNDANT CONNECTION OF PALO ALTO PIPELINE, INCLUDING REDWOOD CITY SERVICE TO BAY DIVISION PIPELINES #1 AND #2.	$334,000
0	C	600	San Francisco Regional Water System	3810001	16	Pump station needs to be relocated.	RELOCATE PUMP STATION INCLUDING REPLACEMENT OF NECESSARY PUMP, STANDBY POWER AND PIPING. FIND A NEW LOCATION FOR PUMP.	$2,500,000
0	C	600	San Francisco Regional Water System	3810001	45	Treasure Island system distribution rehabilitation.	Replace the plastic water mains with ductile iron piping. Reconfigure some of the existing network of water mains to compartmentalize the Treasure Island system.	$35,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	39	SCADA needed for system monitoring.	Develop master plan. Design of SCADA system covering the high priority remote site identified in the master plan.	$26,046,275
0	C	600	San Francisco Regional Water System	3810001	35	Pump stations have varying types of motors and controls.	Survey and recommend which pumps, motors and starters that can be used in more than one location. Replace identified trols, and valves that allow hydro-pneumatic pump stations.	$968,000
0	C	600	San Francisco Regional Water System	3810001	34	Old services need replacement.	Renew all old, obsolete and inadequate services in the city.	$34,760,000
0	C	600	San Francisco Regional Water System	3810001	86	Improvement of reservoir inlets must be connected to both basins of Sutro Reservoir to provide for maximum circulation.	This project involves conceptual engineering hydraulic modeling, physical modeling, detail design and construction.	$14,230,000
0	C	600	San Francisco Regional Water System	3810001	29	Cannot move water pass Pulgas in an emergency.	REVIEW AND DESIGN PRESSURE CARRYING CAPACITY.	$28,700
0	C	600	San Francisco Regional Water System	3810001	26	Reservoir inlet/outlet close to each other.	DETERMINE NEED FOR MODIFICATIONS TO THE INLET/OUTLET PIPING TO ASSURE ADEQUATE MIXING TO ALLEVIATE WATER QUALITY PROBLEMS AND TO ENHANCE OPERATION AT EACH RESERVOIR.	$10,000,000
0	C	600	San Francisco Regional Water System	3810001	47	Valves need exercise and repair.	exercise approximately 10 percent of the 15,500 gate valves each each year; determine if a particular valve needs to be repaired or replaced.	$15,000,000
0	C	600	San Francisco Regional Water System	3810001	22	Large mortar lined pipes very old.	INVESTIGATE EXISTING SYSTEM AND DEVELOP LISTING OF MOST VIABLE CANDIDATES FOR MORTAR LINING. REPLACE, REPAIR, AND RELINE OF THE MORTAR AND FEEDER MAINS.	$540,000
0	C	600	San Francisco Regional Water System	3810001	18	Hunters Point distribution system needs upgrades.	CONSTRUCT AN ENTIRE NEW INFRASTRUCTURE OF 8", 12", AND 16" DUCTILE IRON MAINS IN A PHASED PROGRAM CONSISTENT WITH PROPOSED DEVELOPMENT.	$15,000,000
0	C	600	San Francisco Regional Water System	3810001	30	Controls inadequate at Pulgas valve lot.	INSTALL TWO CONTROL VALVES ON EACH PIPELINE AT THE PULGAS VALVE LOT. INSTALL A BYPASS AROUND INDIVIDUAL VALVES TO REGULATE LOW FLOWS.	$775,000
0	C	600	San Francisco Regional Water System	3810001	15	Need pump to pipeline to move CS water directly to HTTP.	Study capacity increase, existin piping and valving arrangement which is aging and poses certain operational difficulties.	$32,000,000
0	C	600	San Francisco Regional Water System	3810001	167	Cross Town Transmission Main	New cross town transmission pipeline for the CCSF.	$14,422,987
0	C	600	San Francisco Regional Water System	3810001	5	BD pipeline lining needs repair/replacement.	Remove existing deteriorated coal tar/mortar coating and apply new protective coating. Repair leaky expansion joints.	$350,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	166	Fulton @ Sixth Ave. 30 inch steel Main Replacement	Replace Richmond District supply main.	$3,129,061
0	C	600	San Francisco Regional Water System	3810001	164	Noe Valley Transmission Main Phase 2	Extend the Noe Valley pipeline to serve low pressure zones.	$7,837,740
0	C	600	San Francisco Regional Water System	3810001	161	Hardwire Pump stations for RTU's	Rehabilitate/replace outdated pump station controls.	$318,331
0	C	600	San Francisco Regional Water System	3810001	156	Sunset North Reservoir - Seismic Upgrades	Rehabilitate Sunset North Reservoir.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	154	Mountain Tunnel Repairs	Pipeline rehabilitate Mountain Tunnel	$2,060,000
0	C	600	San Francisco Regional Water System	3810001	129	Pipeline repair plan and readiness improvement.	Development of an emergency response plan for major seismic events.	$3,607,574
0	C	600	San Francisco Regional Water System	3810001	148	Merced Manor Reservoir - Seismic upgrade and Rehabilitation.	Rehabilitate Merced Manor Reservoir.	$5,791,775
0	C	600	San Francisco Regional Water System	3810001	131	Delivery and seismic improvements.	Construct four cross connections to bypass the pipe sections most likely to fail in an earthquake.	$10,481,958
0	C	600	San Francisco Regional Water System	3810001	141	Mo order mormal rate limits.	quality regulations, current and future service needs, operational flexibility and emergency response to determine the recommended plant capacity and identify the specific capital improvements. Improvements include ozone treatment, and capacity upgrades;	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	137	San Joaquin Pipelines. Unreliable experiencing sudden ruptures, flooding, leaks and service outages.	Construct a new paralell San Joaquin pipeline. Will also include development and evaluation of alternative projects, field investigations. Etc…	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	155	HTWTP Short-term improvements filtration	Harry Tracy WTP filter control improvements.	$10,365,571
0	C	600	San Francisco Regional Water System	3810001	82	84" Steel Crystal Springs Bypass PL at Polhemus: this project is to provide additional operational flexibility.	Construct about 4500 LF of 84 inch steel pipeline adjacent to existing prestressed pipeline. Addition of this line will allow WD additional operational felxibility.	$4,025,000
0	C	600	San Joaquin River Club Inc	3910018	1	EXTREMELY HIGH TDS WATER.	TAKE SURFACE WATER FROM SAN JOAQUIN RIVER AND TREAT WITH SURFACE WATER TREATMENT PLANT. OTHER = DESIGN AND CONSTURCTION	$750,000
0	C	600	AVILA BEACH COMM SERVICE DIST	4000222	6	Valves don't operate due to corrosion	Replace valves and distribution piping	$250,000
0	C	600	San Francisco Regional Water System	3810001	57	Rehabilitation of treatment facilities.	Replace 2 out of 12 tanks at Sunol Valley Water Treatment Plant and HTWTP; Provide standby electric power at disinfection monitoring stations. Provide a deep well water quality monitoring stations at Thomas Shaft.	$12,800,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	68	Need to develop ground water for drought contingency.	1). Westside basin groundwater mgmt; 2). Lake Merced lake level mgmt; 3). Salt water intrusion monitoring; 4). GG Park and zoo well installation and development; 5). West Basin water supply 6). Lobos Basin invest.	$18,000,000
0	C	600	San Francisco Regional Water System	3810001	66	Need additional storage in Bernal Heights.	Obtain property for the new reservoir; Construct new 500,000 gallon reservoir including all necessary connection piping and ancillary facilities.	$4,060,000
0	C	600	San Francisco Regional Water System	3810001	54	Need to demolish old pump station for new lab.		$775,000
0	C	600	San Francisco Regional Water System	3810001	70	Need watershed assesments for new land uses.	Conduct watershed assessment.	$250,000
0	C	600	San Francisco Regional Water System	3810001	71	Need watershed assesments for HH annually.	Conduct an assessment of the watershed (that is annual sanitary surveys, GIS database, monitoring programs).	$500,000
0	C	600	San Francisco Regional Water System	3810001	72	Need a watershed management plan.	A watershed management plan will be developed.	$2,000,000
0	C	600	San Francisco Regional Water System	3810001	77	Undetermined sources of contamination/kocal ws.	Sanitary Survey	$110,000
0	C	600	San Francisco Regional Water System	3810001	79	Manual valves need to be replaced. Takes up to 8 hrs to isolate a reservoir this way. Valves are in poor condition and are over 50 years old.	Replace manual valves with automated/motorized valves	$3,780,000
0	C	600	San Francisco Regional Water System	3810001	8	Add fifth BD pipeline to meet maximum demand.	Build a fifth pipeline in existing city right of way from Irvington Portal to Pulgas Tunnel. Perform study of pipeline route.	$195,000,000
0	C	600	San Francisco Regional Water System	3810001	81	Calaveras Pipeline is exposed to possible damage due to the large steep unstable slope next to the east side of pipeline. The pipeline is above grade and is exposed to possible damage from failure of the slope.	The problem is in the process of being analyzed and remedial measures will be taken to reduce the risk of damage from slope failure thereby protesting the pipeline from damage.	$460,000
0	C	600	San Francisco Regional Water System	3810001	9	BD pipeline #5 will cross hayward fault.	Upgrade four Bay Division pipelines at Hayward fault, so that they can withstand an earthquake of Richter magnitude 7 or greater.	$67,050,000
0	C	600	San Francisco Regional Water System	3810001	50	Harry Tracy WTP unit processes dificiencies to operate at design capacity.	Thoroughly analyze the performance of the plant to identify unit processes which limits the plant's capability for extended periods of time.	$27,000,000
0	C	600	San Francisco Regional Water System	3810001	84	Improve water quality in the Pulgas balancing Reservoir.	Develop a testing plan for the evaluation of various operational plans.	$1,070,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	83	SVWTP Decant Pump VFD Drives need implementations	Add 3 variable frequency drives for each 125 HP decant pumps at SVWTP. Install Programmable Logic Controller to sequence pumps relative to flow of water from decant lagoon to decant pump. Convert existing manually operated valve to motor valve.	$574,000
0	C	600	San Francisco Regional Water System	3810001	76	Undetermined and unquantified generators of Watershed point and non-point sources of contamination.	Sanitary Survey	$110,000
0	C	600	San Francisco Regional Water System	3810001	23	Tunnel access audits inadequate for regular access.	REPAIR AND REPLACE EXISTING DOORS, TUNNEL AND ACCESS ROADS.	$9,980,000
0	C	600	San Francisco Regional Water System	3810001	142	Pulgas Balancing Reservoir Improvements	Improvements to Pulgas Reservoir to maintain water quality.	$1,037,655
0	C	600	San Francisco Regional Water System	3810001	85	Seismic Protection on City Reservoirs:completing site surveys, and internal inspections for all in-city reservoirs and tank facilities. Seismic, corrosion, and other areas that failure might occur.	Upgrades covered in this project are: roof repair, expansion joint replacement, painting coating paving, and tank replacement. This project will lead to improvements in water quality operations and emergency operation benefits.	$47,977,000
0	C	600	San Francisco Regional Water System	3810001	4	BD pipeline needs repair.	Provide cleaning of exposed reinforcing steel and patching of concrete where needed.	$1,368,000
0	C	600	San Francisco Regional Water System	3810001	78	Corrosion Control Implementation Master Plan; The implementation of a corrosion control program for facilities within jurisdiction of the WS&TD is needed.	Preparation of standard procedures, planning, design, and installation of cathodic protection system to minimize or elinubate corrosion.	$2,000,000
0	C	600	San Francisco Regional Water System	3810001	7	Replace BD pipeline #1 from Irvington.	Replace BDPL # 1 with new welded steel pipe from Irvington Portal to Pulgas Portal.	$225,000,000
0	C	600	San Francisco Regional Water System	3810001	132	Lake Merced Emergency Supply Improvements	Lake Merced emergency treatment study.	$154,500
0	C	600	San Francisco Regional Water System	3810001	80	Palo Alto Pipeline Redundant Connection: the existing connection is east of valves A60 and B60 only, which limits the flexibility of the WD to repair these lines and to service the communities in the area served by these lines.	Connect the Palo Alto Pipeline, including the Redwood City Service, to Bay Division Pipelines Nos. 1 and 2 west of valves A60 and B 60.	$641,501
0	C	600	San Francisco Regional Water System	3810001	145	Crystal Springs PS and CS - SAPL Capacity	Increase hydraulic capacity of raw water facilitied for Harry Tracy WTP for system reliability.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	98	Irvington Portal Valve Actuation: Transmission main line and bypass valves are old and deteriorated. The BDPL's cross the Hayward Fault. Rupture of these pipelines @ these locations could cause significant flooding.	Repair and replace the existing transmission main lines and bypass valves.	$715,000
0	C	600	San Francisco Regional Water System	3810001	96	Modifications are needed at the Sunol Valley Water Treatment Plant to improve the water treatment process, controls and monitoring and to improve reliability.	Upgrade the Calaveras Potassium Permanganate facility which is upstream of the SVWTP.	$2,069,000

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Bonus	Type	Pop	Water System Name	Project Number	Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001 104	Seismic hazards at San Antoinio Pump stations to tanks, retaining walls, building, and other structures.	Will address obvious seismic hazards at San Antonio Pump Station. Improvements will include suspended tanks and duct work, retrofit of pump switchgear, generator and compressor anchorages ans installation of flexible couplings.	$2,000,000
0	C	600	San Francisco Regional Water System	3810001 94	Identifying critical SFPUC power and water supply transmission and treatment facilities. Assess and evaluate the risk of failure from earthquakes, fires, and floods, and any other hazardous event.	Conduct chemical studies and recommend capital improvements.	$914,375
0	C	600	San Francisco Regional Water System	3810001 93	Improvement in DIM in-City distribution system.	Construct, replace or extend feeder mains/distribution mains.	$100,000,000
0	C	600	San Francisco Regional Water System	3810001 92	In/Outlet piping in close proximity to each other. This situation affects the Department's ability to meet the demand, maintain chlorine residuals, control formation of disinfection by-products such as THM's.	Provide for a study of all in-city resrvoirs to determine the need for modifications to the inlet/outlet piping.	$2,859,000
0	C	600	San Francisco Regional Water System	3810001 91	Bay Bridge Pump Station: Needs to be relocated, at present time it interferes with seismic retrofitting of the bay bridge. Also needs a new pump station.	A new pump station will meet the CDD's standards for reliability and efficiency. The station will be equipped with back-up pumps, emergency power and SCADA compatability.	$6,830,000
0	C	600	San Francisco Regional Water System	3810001 89	Upgrade of In-City Pump Stations to ensure system reliability. Upgrading of the switchgear, electrical system, pumps and other items. Standby emergency generators.	Provide the necessary facilities to support the SCADA project by adding telemetry to the pump station which will be tied into the Lake Merced Pump Station . Construct a pump station to provide adequate supply to each of the In-City Reservoirs.	$12,775,000
0	C	600	San Francisco Regional Water System	3810001 169	WQ Ozone/UV Treatment	Study of alternative disinfectants to meet new regulations.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 97	Grizzly Creek Canal Upgrade: lower sectio of the creek is adjacent to Mocassin Reservoir. Often during heavy periods of rain runoff into Grizzly may cause the creek to overflow and introduce storm flow into Mocassin. Serious turbidity problems.	Provide a concrete lining in sections of the canal to eliminate turbidity and the potential contamination of the Mocassin Reservoir. In addition, concrete repairs will be made to the Mocassin Powerhouse where errosion has occurred.	$1,160,000
0	C	600	San Francisco Regional Water System	3810001 110	Back-up power for water quality stations upgrades.	Install small propane generators and upgrade UPS for backup at baden Pump Station. East Portal and Casey Quarry.	$350,000
0	C	600	San Francisco Regional Water System	3810001 152	Water System Automation	Automate Transmission system control valves.	$937,480
0	C	600	San Francisco Regional Water System	3810001 146	Tesla Portal & Thomas Shaft Disinfection	Sample Station for Thomas Shaft for process control.	$955,000
0	C	600	San Francisco Regional Water System	3810001 90	Upgrading of pump station.	Outer reaches of Sunset zone can be eliminated, a freeboard of 10-25 feet at the Sunset Reservoir could be utilized to improve water circulation and reduce the accumulation of THM'S.	$4,250,000

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Bonus	Type	Pop	Water System Name	Project Number	Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001 144	Pulgas Pump Station Control Panel Replacement	Replace control system for Pulgas Pump Station.	$150,000
0	C	600	San Francisco Regional Water System	3810001 140	Model Construction	Construct hydraulic model of the city system to manage supply and quality.	$1,092,701
0	C	600	San Francisco Regional Water System	3810001 102	Chloirne Station Refurbishment: Currently, there are twelve City chlorination stations that have various levels of operation and control capabilities ans safety provisions. This project includes a needs assesment and providing recomm. For improv.	The facility will be constructed according to the construction documents.	$650,000
0	C	600	San Francisco Regional Water System	3810001 134	Bay Division Pipelines Reliability Improvements	Bay Division pipeline improvements.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 105	Timer Trestle Repair: Trestles supporting the Bay Division Pipeline Nos. 1 & 2 alignment from Newark Valve House in Fremont to Ravenswood Valve House in Redwood City have deteriorated.	Replace or repair the deteriorated trestles.	$125,733
0	C	600	San Francisco Regional Water System	3810001 109	Replacement of valves on the manifold and transmission line piping in the Baden Pump Station yard.	Provide Baden Pump Station with standby power, seismic retrofit, fire protection and security access.	$7,995,000
0	C	600	San Francisco Regional Water System	3810001 108	San Joaquin Pl #2, Throttling Station: To gain ability to reduce the flows in Pipeline #2 from 80 mgd to 20 mgd from the current fixed flow of 80 mgd. This capability will increase Hetch Hetchy's ability to regulate water deliveries.	Install two throttling stations on Pipeline #2 downstream from Oakdale Portal.	$1,973,000
0	C	600	San Francisco Regional Water System	3810001 107	Indian Creek Chlorine Monitoring: Indian Creek Shaft has been identified by Water Operations as a desirable location to install chlorine monitoring capability for operational feedback when controlling the disinfecting process on the Hetch Hetchy sup.	Provide chlorine monitoring of the Hetch Hetchy aqueduct supply in the Coast Range Tunnel, storage and transmit the monitoring data to appropriate Water Supply and Treatment facilities.	$222,000
0	C	600	San Francisco Regional Water System	3810001 106	Flow through San Andreas Pipeline No.2 is controlled by a gate valve designated as R60. During shutdown of San Andreas Pipeline No.2, valve R60 leaked so badly that SAPL No. 2 had to be shut down at the Baden Pump Station isolating BPS from the sys	Replace R60 at San Pedro Valve Lot.	$850,000
0	C	600	San Francisco Regional Water System	3810001 127	Seismic upgrade of BDPL's at Hayward Fault (control #128)	Seismic upgrades, and the replacement of approximately 275 feet each of existing pipelines. Install shutoff and bypass valves at both ends of the fault zone.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 75	Cattle grazing on local watersheds.	Watershed management	$1,465,750
0	C	600	San Francisco Regional Water System	3810001 149	Backbone Pipeline System Development	Develop and construct a "backbone" pipeline system for reliability.	$1,015,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	165	San Andreas Pipeline	Extend the San Andreas Pipeline to the Sunset Reservoir.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	163	Lake Merced Pump Station essential upgrade.	Rehabilitate Lake Merced pump station.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	159	Feeder Main Stanford Heights/Twin Peaks.	Replace mains between Stanford Heights and Twin Peaks.	$3,654,530
0	C	600	San Francisco Regional Water System	3810001	135	Iniversity Mound Reservoir-Seismic Upgrade/Rehab	Seismically strengthen the reservoirs, also water quality improvements (sampling and disinfection), erosion control, drainage concrete repair venting and liners or coatings and cleanup of the reservoir beds.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	88	Cross Connection: San Antonio Pump Station needs improvements to have the ability to isolate zones of the station manifold. Piping and valving modifications are also needed.	Modify the piping and valving at the San Antonio Pump to further increase the flexibility of operations and maintenance.	$1,114,000
0	C	600	North Tahoe PUD - Carnelian Woods	3110023	5	The Carnelian water system consisting of 407 connections is reliant on a single well source. This well, constructed in 1971, is housed in a wood framed structure which is in a location vulnerable to wildland fire. The service area has limited backup wat	This project will reconstruct and enlarge the existing well building. The new well building will use fire resistive construction including walls, doors and roof. Standby power in the form of a self contained engine/generator set will be housed within the	$269,250
0	C	600	San Francisco Regional Water System	3810001	151	Pipeline Preparation Prioritization Plan.	Pipline repair emergency response plan for seismic events.	$150,000
0	C	600	San Francisco Regional Water System	3810001	162	Balboa Reservoir and Related Facilities.	Construction of a new treated water storage reservoir (Balboa).	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	153	Harry Tracy Water Treatment Plant short term improvements.	Harry Tracy WTP improvements.	$8,841,000
0	C	600	San Francisco Regional Water System	3810001	139	Capuchino Valve Lot Capacity improvements.	Enhance system reliability in the event of disruption to Hetch Hetchy and Sunol Water supplies. The project requires analysis of the Capuchino valve lot to identify necessary improvements for backfeed capability of up to 80 mgd. Project also includes se	$1,345,339
0	C	600	San Francisco Regional Water System	3810001	136	Crystal Springs Balancing Reservoir	Construct a second Crystal Springs (Pulgas) Balancing Reservoir for reliability.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	168	Lincoln Way Transmission Line.	Redundant transmission pipeline for the Sunset Zone into CCSF	$9,887,876
0	C	600	San Francisco Regional Water System	3810001	130	Northwest Reservoir	Design and construction of a new reservoir to serve the northeastern part of the city.	$913,341

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Bonus	Type	Pop	Water System Name	Project Number	Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001 143	Pennisula improvement project.	To develop a program enabling the best utilization of water from the Harry Tracy WTP. In particular, this program will address the possibilities of Hetchy and Sunol source outages or insufficient supply requiring backfeed of pennisula water to the south	$515,000
0	C	600	San Francisco Regional Water System	3810001 133	Crystall Springs Bypass Line	Add new parallel pipeline from the Crystal Springs Bypass Tunnel in the south to the Crystal Springs Road in the north,	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 160	Sunset South Reservoir - Seismic Upgrade	Rehabilitate Sunset South Reservoir.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 100	SFPUC and BAWUA are cooperatively developing the WSMP to provide customers of the SFPUC water system with alternative water supply and demand management options that meet future water needs, and a framework for joint decision-making.	Develop a facilities master plan to implement new water supplies in the SFPUC delivery system, and to integrate the facilities plan with ongoing SFPUC capital planning efforts.	$1,500,000
0	C	600	San Francisco Regional Water System	3810001 101	Caustic Soda -Fluoride Chemical: Construction of a chemical feed station is necessary in order to optimize corrosion control and to provide a consistent fluoride residual in the treated water that is delivered to the City of San Francisco.	Conduct a study to define criteria for chemical types, doses, methods of addition and site selection. Construction drawings and specifications will be developed from these recommendations. The facility will then be built according to these drawings	$1,000,000
0	C	600	San Francisco Regional Water System	3810001 87	Improve transmissison and distribution flows throughout the system.	Develop the in-house capability to analyze the transmission and distribution flows throughout the system.	$640,000
0	C	600	San Francisco Regional Water System	3810001 158	Sunset Souuth Reservoir - Seismic Upgrade & Rehab.	Seismic upgrade work and other structural and general rehabilitation at the South basin of the Sunset Reservoir	$20,000,000
0	C	600	San Francisco Regional Water System	3810001 95	Moccasin Reservoir Dredging: water quality improvement needed.	Address the need to design and construct water quality improvements will allow for the unimpeded operation of Moccasin Reservoir as a balancing forebay for the Foothill Tunnel. Detail design for Cherry Rock Trap Cleaning.	$2,293,939
0	C	600	San Francisco Regional Water System	3810001 138	Survey and evaluate infrastructure of WS facilities	Inspect and evaluate water system infrastructure and compile recommendations for repair.	$309,000
0	C	600	San Francisco Regional Water System	3810001 99	Replace mound pipe: Pipes are supported on concrete saddle, but have no anchorage against movement potentially caused by a large earthquake.	Replace those pipes that are in corroded condition.	$1,551,846
0	C	600	San Francisco Regional Water System	3810001 147	Hetch Hetchy Gradeline Study.	Study the feasibility of raising the Hetch Hetchy gradeline.	$103,000
0	C	600	San Francisco Regional Water System	3810001 128	Foothill Tunnel	Repair/rehabilitate Foothill Tunnel.	$2,185,454

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	600	San Francisco Regional Water System	3810001	150	Crystal Springs #2 Pl replacement in City	Replace Crystal Springs #2 pipeline.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	157	Enlarge Sunol Treatment Capacity to 240 mgd	Expand Sunol WTP capacity with new processes.	$20,000,000
0	C	600	San Francisco Regional Water System	3810001	103	This project provides for erosion control and drainage improvements at Sutro Reservoir. The drainage problems around the reservoir have caused hillside erosion, up-rooted trees, siolated flooding and reversed flows.	Study the drainage and errosion issues. Develop baseline information and recommend permanent low maintenance solutions which include: tree removal retaining walls, erosion control mesh, the installation of a hillside drainage system and reconfigur.	$9,360,000
0	C	648	El Dorado Mutual Water Co.	1900803	2		Our water yard sits right on the corner of a very busy 5 lane road - it has a lot of visibility, and half of the yard has only a 3.5 ft high fence around it. We need to finish fencing the yard with 830 feet of 6 foot high chain link fence with barbed wire	$60,000
0	C	648	El Dorado Mutual Water Co.	1900803	5	Our existing 2 pressure pumps are old and inefficient. They cycle using an old mercury based relay pressure sensor. If we were ever to intertie with our 3 nearby mutual water companies and need to supply one of them with emergency water, the existing pump	Two new vertical pumps and a variable frequency drive with an electrical system upgrade (including new wiring, panels, sensors etc.) would increase efficiency, reduce cost, provide increase flow to other agencies in case of emergency, and provide a co	$100,000
0	C	648	El Dorado Mutual Water Co.	1900803	4	We have no gauranteed emergency backup and only one well. AVEK is our only backup, and although they have always helped us out, the written agreement is that they can shut down our connection at any time.	Another well would give us an emergency backup in case our existing well stopped working. A new well would also provide 3 other mutuals emergency help if we were to intertie with them.	$250,000
0	C	648	El Dorado Mutual Water Co.	1900803	3		Basically this would be a connection to 4 other water companies. The connection to LA County Water would require a vault on 10th St. W., and would be a one way connection - we would buy water from them in case of an emergency. The other 3 mutuals (Westsid	$260,000
0	C	690	YERBA BUENA WATER COMPANY	5610006	1	Main Source of water supply is only one well, no backup well for reliability.	Construct a backup well with 50 HP turbine pump, 250,000 gallon additional steel tank, 3000 feet of new 8 inch water main line	$300,000
0	C	702	Inverness Public Utility Dist	2110001	1	Old redwood tanks leaking. End of useful life.	Replace old finished water tanks.	$225,000
0	C	702	Inverness Public Utility Dist	2110001	2	Treatment plants occasionally cannot meet demand.	Purchase and install another microfiltration membrane package unit capable of producing an additional 50 gpm	$140,000
0	C	717	South Midway City Mutual Water Co.	3000825	1	Aged infrastructure/equipment and insufficient site security	Finish the installation of hydro-pneumatic pressure tank; well re-hab; site security improvements (entry gate, pump enclosure and fencing); install emergency back-up power and solar power system.	$120,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	717	South Midway City Mutual Water Co.	3000825	2	We hope to achieve improved water production security by replacing aged infrastructure/equipment, installation of emergency back-up power system, and by making site security improvements. Unfortunately, we do not have sufficient reserve fudns to achieve	Currently, we are seeking funds to make improvements to the Production side of our operation with our Water Production Security Improvement Project. Following, is a prioritized list of improvements, including estimated costs and total:1. Re-hab exi	$350,000
0	C	750	Tahoe City PUD - McKinney/Quail	3110011	1	System has 1 hard rock well that experienced a sudden loss of capacity in July 2003. Customers were notified to conserve water and irrigation rules were imposed. System installed a temporary surface WTP in July 2004.	System plans to construct permanent surface WTP.	$2,000,000
0	C	792	Valhalla Mobile Home Park	5710008	2	The well aqufer appears to be failing and the oldest of our two wells is no longer functional. We must connect to city water.	We must connect to West Sacramento water system and install water meters.	$575,000
0	C	792	Valhalla Mobile Home Park	5710008	1	manganese level	Install manganese filters	$50,000
0	C	834	Stratford PUD	1610006	1	We recently drilled a new well due to the constant water level drop in our area, We completed the project in June of 2004. However the problem we have come across is that the well is producing a large of air along with the water. Our only source of pressu	Two 50,000 gallon above ground storage tanks along with a pressure pump and a stand-by generator.	$200,000
0	C	892	Winterhaven WD	1310009	1	too many leaks		$75,000
0	C	900	Fern Valley WD	3310040	2	We are a not-for-profit conference center and camp at about 5600 feet elevation. The local area has been getting drier and drier over the last 5-10 years. Our current and only well is dry at 320 feet. We only have 7900 gallons of storage with 2 tanks a	We have a serious capacity problem that not only effects our operation, but also the agencies that we have agreed to support in the event of an emergency (CDF and the Red Cross). Our local well and system is shut down and we are currenly using city water	$185,000
0	C	900	Sonoma County CSA 41-Fitch Mountain	4910010	1	Too much air is dissolved in the water at the booster pump station.	Install 30,000 gal tank on an easement near the top of the mountain. Install a higher head pump at the booster station and extend the water line up to the new tank.	$60,000
0	C	926	Squaw Valley Public Service District	3110020	8	Phase 4 of Aquifer Storage and Recovery (ASR) program.		$1,250,000
0	C	926	Squaw Valley Public Service District	3110020	5	Current well 4R has a serious sanding problem and also only a 35' sanitary seal. This well is necessary for the SVPSD to ensure reliable capacity during normal and grought conditions. Well 4R is currently not equipped with a pump (see attached report)	The project would include abandoning well 4R and drilling a new well, 4RII with a 50' sanitary seal and an engineered gravel pack to ensure adequate water quality and quantity to meet system demands (see attached report)	$1,015,000
0	C	926	Squaw Valley Public Service District	3110020	1	Existing wells are reaching the end of their expected life.	Develop a new water source. Involves design and construction.	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	926	Squaw Valley Public Service District	3110020	6	Well #1 is a below grade well in a concrete pit and was not constructed with a sanitary seal (see attached expalnation). Well #1 is 43 years old and suffered a casing failure in 1999. It was slip lined as a temporary repair in 1999.	Replace below grade well #1 with a well that meets current stadards (i.e. sanitary seal, above ground installation)	$500,000
0	C	926	Squaw Valley Public Service District	3110020	7	Well's #1 and #3 do not have sanitary seals, are 40 years old, need backup. Well #1 exceeds manganese standard. Need future supply to meet demands.	Replace Wells #1 and #3 and construct treatment plant.	$2,775,000
0	C	926	Squaw Valley Public Service District	3110020	2	The District is currently seeking acceptable quality groundwater well sites for engineer-recommended well replacement.	The District's objective is to proceed with the design and construction of a 3 MGD water treatment plant for iron and manganese removal should acceptable water quality not to be found.	$1,000,000
0	C	998	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	8	THE EXISTING DISCHARGE PIPELINE FROM THE DISTRICT NORTHERLY WELL (NO. 5) IS AGED, UNDERSIZED, AND IN NEED OF REPLACEMENT. THIS WELL HAS THE HIGHEST PRODUCTION, LOW NITRATE LEVEL, AND IS NECESSARY FOR SUCCESSFUL NITRATE BLENDING WITH OTHER SOURCES.	REPLACE 3000 FT OF 4" DISCHARGE MAIN.	$340,000
0	C	1000	GREEN VALLEY CWD	1910244	3	The District’s water storage tank systems are designed so that the water enters and exits the tank near the bottom through the same pipeline. During periods of low water use, the water at the top of the tank is not always used. By mixing the water in the	A Solar Powered Water Tank Circulator would be installed at each of the six water storage tanks.	$180,000
0	C	1000	GREEN VALLEY CWD	1910244	5	All the District’s wells pump a total of approximately 200 gpm and deliver it into the lower zone tanks. Customer demand is furnished from the 800,000 gals of storage which are in three pressure zones. An additional well would increase the production capa	The project involves the drilling of a test well and if successful the drilling and development of the production well. The installation of the pump, panel and pipeline to existing pipelines would follow the completion of the well. Location of the well	$110,000
0	C	1000	GREEN VALLEY CWD	1910244	2		We are a rural isolated community completely surrounded by the Angeles National Forest. All of our well locations are secured by a well house and chain link fence. Our water storage tanks and booster pump stations are located throughout the town some in v	$77,000
0	C	1030	SLO CSA NO. 16 - SHANDON	4010028	1	existing distribution lines are inadequate for providing fire flows and pressures	Replace existing water distribution lines	$700,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1060	Plymouth, City of	310004	2	Plymouth's sole water supply consists of groundwater from hard-rock formation wells. These wells are susceptible to contamination from adjacent septic systems and runoff. Wells have tested positive for coliform in 2006. In addition, the three active we	The project consists of the design and installation of a closed groundwater treatment system to replace existing surface water treatment system. The system will include disinfection equipment and iron and manganese treatment (probably potassium permangan	$1,040,000
0	C	1080	Midway Heights C. W. D.	3110041	1	General system improvement. District must currently purchase treated water suppies at a very high cost; supplies are also limited during high-use and/or treatment plant stress periods.	District would install/construct a package treatment plant which would lower costs and provide a high quality supply to meet present and future needs.	$200,000
0	C	1100	Yermo Water Co	3610118	2	System is old - needs upgrade	Upgrade the system, replace mainlines	$50,000
0	C	1200	Bolinas Community PUD	2110005	1	Deteriorated Distribution System - Conveyance Losses +-20%. Listing of leak repairs attached.	Design and construction	$1,500,000
0	C	1200	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	3	Existing reservoir is inadequate for fire protection and emergency storage	Design & construct a new larger tank	$750,000
0	C	1200	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	4	Water distribution mains are inadequate for fire flows and pressures	Design and construct replacement water mains	$500,000
0	C	1200	Herlong Utilities Incorporated	1805007	4	Water security improvements needed.	Install security equipment at well sites, storage tanks and office facilities.	$150,000
0	C	1301	Laytonville County Water District	2310011	1	Fify year old steel well casing with three major breaks in the casing which have been sleeved. The top break is 13 feet below the surface and compromises the well annular seal. In the winter the high water table can lead to water going into the well thr	Construct a new well with a new pump.	$67,630
0	C	1385	SAN MIGUELITO MWC	4010003	9	Upgrade the distribution system for reliability.	Install an eight inch loop connection to add redundancy to the system, enabling repairs without shutting down service to the entire system	$30,000
0	C	1385	SAN MIGUELITO MWC	4010003	7	Need to improve booster pump station.	Replace single pump with a standard dual pump, alternating boost station.	$30,000
0	C	1385	SAN MIGUELITO MWC	4010003	1	Needs to improve Storage tank No. 550.	Replace steel floor, construct new tank roof install new tank appurtenances, sandblast and paint tank then install cathodic protection system.	$65,000
0	C	1385	SAN MIGUELITO MWC	4010003	4		Research feasibility of local groundwater basin (hot well) to store excess treated water.	$10,000
0	C	1385	SAN MIGUELITO MWC	4010003	2	Needs to upgrade two 220,000 gallon storage tanks.	Replace corroded steel and tank floors if necessary, sandblast and paint tanks then install cathodic protection system for all tanks.	$100,000
0	C	1385	SAN MIGUELITO MWC	4010003	6	Need standby power for emergencies.	Purchase a mobile standby power unit and install compatible receptackles for wells, boost stations and treatment plant.	$75,000
0	C	1385	SAN MIGUELITO MWC	4010003	3	Needs to improve sources.	Test existing Hot Well and East Harford wells for treatability and production.	$15,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1500	Stinson Beach County Wtr Dist	2110004	5	Lack of Facility Monitoring and Pumping Controls and Emergency Warning	Automate facility high service pumping operation and emergency warning.	$75,000
0	C	1500	Springville PUD	5410011	6	Water treatment plant scada system components are obsolete, no longer supported by manufacturer and are beginning to fail. Air actuated valve controls are obsolete and need to be replaced with electric controls.	Replace Water treatment plant scada system programmable logic controller and electrical components with current versions and reprogram scada program to be compatible with new components are obsolete, no longer supported by manufacturer and are beginning	$175,000
0	C	1500	RIO MANOR MUTUAL WATER CO	5610035	3	Two old hydrants are corroded and need replacing due to valves not operating.	Replace hydrants	$10,000
0	C	1500	Springville PUD	5410011	5	Replace storage capacity by rebuilding abandonded storage tank and distribution line to system	Demolition and reconstruction of unrepairable treated water storage tank. Replacement and rehabilitation of distribution line between storage tank and distribution system.	$5,000,000
0	C	1500	AVERYDALE MWC	1910023	1	Our #3 Well produces water with very fine particles of clay. Several attempts to clean up the water have failed. Both of our other two wells are over 30 years old.	Drill a replacement well.	$100,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	6	Inconsistency of raw water supply availability from Black Rock Creek, requires storage for equalization of source supply to treatment plant. Two existing redwood tanks with approx, 60,000 gal capacity have failing foundations, severely deteriorated.	Design and construct two new storage tanks to replace the existing tanks.	$120,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	12	The raw water storage facilities of the Stinson Beach County Water District (District) include one (1) large bolted steel raw water storage tank, having a capacity of 410,000 gallons. The storage tank (referred to as the Ranch Raw Water Storage Tank) was	The project involves the planning, design, and construction costs associated with replacing the Districts aged 410,000 gallon bolted steel raw water tank. The tank will be replaced with a welded steel tank having equal capacity as the existing tank. Th	$490,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	2	Extensive treated water storage tank coating system failures.	Storage tank coating system repairs.	$115,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	9	Surface Water Source intake failures and vulnerability upgrades (see attached)	Surface water source upgrades.	$35,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	3	Minimal treated water storage capacity	Construct additional treated water storage capacity	$250,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	8	Degradation of Outdoor Filtration Treatment Units due to weather (see attached)	Provide metal building cover over package plant treatment units.	$130,000
0	C	1500	Stinson Beach County Wtr Dist	2110004	13	The Stinson Beach County Water Districts (District) existing surface water treatment plant (WTP), constructed in 1978, utilizes a package conventional treatment plant with coagulation, flocculation, sedimentation, and filtration which was manufactured by	With regulatory requirements becoming more stringent and currently accepted treatment process trending towards obsolescence, the District is considering replacing its aged conventional WTP with a pressure membrane treatment facility. The District has beg	$2,421,500

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1500	Stinson Beach County Wtr Dist	2110004	10	The raw water storage facilities of the Stinson Beach County Water District (District) include two (2) large redwood storage tanks, each having a capacity of 30,000 gallons. The redwood storage tanks (referred to as the Black Rock raw water storage tanks	The project involves the planning, design, and construction costs associated with replacing the Districts aged 30,000 gallon redwood storage tanks (two tanks totaling 60,000 gallons). The redwood tanks will be replaced with a series of smaller, low-prof	$119,000
0	C	1760	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	2	Protective interior coating on 0.11 MG galvanized bolted steel storage tank is deteriorating and corrosion of the tank wall is beginning.	Remove the existing coating by sand blasting to a near white profile and recoat with a NSF approved epoxy paint.	$20,000
0	C	2025	Lower Lake County Water District	1710010	7	Aquifer level decreasing. May soon be too low for existing Cache Creek wells to continue to be viable system sources.	Cache Creek intake, microfiltration unit and recharge well.	$2,000,000
0	C	2100	CRESTVIEW MUTUAL WATER CO	5610058	1	Main Source (deep well) has >3.0 mg/l of TOC causing high THMs and discoloration of plant product water.	Add secondary treatment of either ozone or biological filtration to remove TOC & color.	$600,000
0	C	2200	TERRACE WATER CO	3610048	2	Terrace Water Company is currently without an emergency interconnection. For many years, the Company had an intertie with a neighboring system. When the system replaced lines in the area, the intertie was abandoned without notification. Without prior know	Terrace Water Company is seeking support from the CDPH, Division of Drinking Water, to replace the system's emergency interconnection. Our previous connection was abandoned as a result of line upgrades by our partnering system. Therefore, for reasons beyo	$100,000
0	C	2200	TERRACE WATER CO	3610048	1	Old pipelines in need of replacement	Replace pipeline	$750,000
0	C	2229	Cabazon Water District	3310047	6	The District has a total of approximately 1,050 service connections. Of these, nearly 500 are located in its lowest pressure zone (the 1713 or Southeast Pressure Zone). The Southeast Pressure Zones single 0.5 MG water storage reservoir was once supplie	The project proposed is to drill and equip a new well pumping plant in the Southeast Pressure Zone consisting of a well, well pumping plant, electrical switchgear and instrumentation, discharge and blow-off piping, masonry block control building, emergen	$1,100,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	3	Replace deteriorated distribution pipeline.	Construct 2,500 LF of 12-inch water line to replace existing 6 inch CML steel water line.	$182,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	7	Needs to replace distribution pipeline.	Construct 8,300 LF of 8-inch water line to replace existing water lines.	$493,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	8	Ventura Waterworks District No. 19 (District) provides water service to domestic and agricultural customers in the Somis community and the surrounding areas. The District was established in 1981 when it assumed the ownership of the Rancho Las Posas Mutua	The project goal is to provide a reliable high quality water supply in compliance with Federal and State requirements and to provide fire flow. This infrastructure improvement project in District No. 19 would implement a replacement program based on an e	$12,100,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	6	Needs to replace inadequate size distribution pipes.	Construct 2,200 LF of 8-inch water lines to replace existing water lines.	$131,000
0	C	2266	VENTURA CWWD NO. 19 - SOMIS	5610015	4	Needs to replace the deteriorated distribution pipes.	Construct a 4,500 LF of 10-inch water line to replace existing 8-inch CI water line.	$297,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	2500	MESA CREST WATER CO.	1910241	1	Recoat and reconstruct a 1/2 million gallon reservoir (see attached paperwork) south tank Meadow View Drive, La Canada 91011 (priority 1).	See attached recommendations. Project involves: Design to solve problem and Construction	$50,000
0	C	2500	MESA CREST WATER CO.	1910241	2	Recoat and reconstruct a 1/2 million gallon reservoir (see attached paperwork) north tank Meadow View Drive, La Canada 91011 (priority 2)	See attached recommendations. Project involves: Design to solve problem and Construction	$50,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	5	Old deteriorated pipelines.	Pipeline replacements.	$15,000
0	C	3000	North Marin WD - Pt. Reyes	2110006	24	Water supply outage due to lack of alarms on remote system and lack of redundancy in pumping resulted in coliform contamination.	Alarms and redundancy could prevent future events. SCADA controls and additional backup pumps proposed.	$200,000
0	C	3000	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	6		The Western Hills Water District (WHWD) owns and operates the water system that serves the community of Diablo Grande. The system is located in a rural area within western Stanislaus County. The original designers of the system did not take into account	$200,000
0	C	3200	Lakeside Park Association	910019	2	Large sections of the Water distribution system are too small (11/2" and 2") which can not supply demand capacity, old steel pipe which is failing due to corrosion and has many dead-end sections.	Replace old inadequately sized steel pipe with adequately size C 900 pipe and loop all sections to eliminate dead-end mains.	$1,500,000
0	C	3290	Veterans Home of California	2810008	1	Algal blooms, iron, manganese, dissolved oxygen levels.This system is currently treating with copper sulfate for algae control. A neighboring system has recently been sued regarding use of copper sulfate under similar application.Iron and manganese pr	Purchase and installation of solar powered circulation equipment in the source water reservoir to provide environmentally acceptable alternative to chemical treatment for algae, iron and manganese.	$125,000
0	C	3290	Veterans Home of California	2810008	5	Project is aimed at water conservation efforts by recovering water currently being wasted to percolation or evaporation from process operation.Will also improve operation through enabling improved maintenance of backwash storage ponds.	Engineering and construction of underdrain system, collection sump, pumps, controls, metering, monitoring instruments and piping to return backwash water from backwash ponds to the plant headworks.	$250,000
0	C	3290	Veterans Home of California	2810008	3	The Rector Water Treatment Plant has a sub-floor serpentine clearwell for chlorine contact prior to transfer to storage.The inlet piping currently enters the clearwell approximately mid-span of the first chamber. This leaves an area approximately 40 fee	Project would consist of modifying the inlet piping to the existing clearwell by extending the piping approximately 40 feet to the head of the first chamber in the clearwell. Piping would be suspended from the roof of the clearwell. Project will requi	$125,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	3290	Veterans Home of California	2810008	2	A project has just gone out to bid for rehabilitation of an existing 1 million gallon storage tank at the Veterans Home of California. This application is for funding to provide tank level and chlorine residual monitoring equipment and telemetry from th	Purchase and installation of a tank level transducer, chlorine residual analyzer and telemetry equipment to transmit the data from the storage tank to the water treatment plant where the data will be monitored and trended with associated alarms.	$25,000
0	C	3290	Veterans Home of California	2810008	4	The water treatment plant for the Veterans Home of California, Yountville is equipped with five pressure vessel filters, intended as roughing filters, ahead of two upflow clarifier / mixed media package filter units to aid in handling high turbidity of th	The project would consist of evaluation of media to determine the best material for the application followed by replacement of the existing media with the selected alternative media.	$50,000
0	C	3300	Box Springs Mutual WC	3310004	2	High nitrate well water (45 -5 - mg/L as nitrate) currently blended with imported water.	Installation of biological denitrification system	$1,100,000
0	C	3441	Angels, City of	510003	4	No backup emergency water supply for City	Construction of one well and connection to City distribution system.	$325,000
0	C	3640	Meadow Vista County Water Dist	3110009	1	Distribution piping leaks excessively. DHS has directed that it be replaced.	Replace 16,000 feet with 8 inch pipe.	$560,000
0	C	3950	GSWC, Calipatria	1310003	2	The existing 6-inch pipeline requires replacement for hydraulic and fireflow deficiencies. The installation of a 12-inch line will provide better fire flows to the west side of the Calipatria system and result in higher residual presure during a fire flo	Replace 6-inch Transite pipeline with 12-inch PVC between Church Street and Date Street from Ironwood Road to Lake Avenue, and install new 12-inch from Lake Avenue to Sorenson Road.	$292,249
0	C	4000	MEINERS OAKS CWD	5610005	1	Four wells unfenced, high public access, foot traffic and safety problems	Need to fence the 4 well sites for system safety and source protection	$20,000
0	C	4000	MEINERS OAKS CWD	5610005	3	The system storage consists of 3-500,000, 1-250,000, and 1-80,000 gallon ground storage tanks. All are inter-connected with the distribution system. The tanks are located on gravel base. All are in dilapidated condition. Two of the 500,000 gallon tanks	Replacement of two of the 500,000 gallon storage tanks, and the 80,000 gallon tank. Build new concrete pads adjacent to the current tanks, replace the three tanks including interconnection valving, and demolish the three old tanks.	$750,000
0	C	4000	MEINERS OAKS CWD	5610005	4	The water system has approximately 1000 feet of 6 inch steel pipe predating 1950, and 18,000 feet of 4 inch pipe. The pipelines frequently break, creating significant water loss in the community. Pressure in the system is documented to decrease to less th	Replace approximately 1000 feet of 6 inch steel pipe, and portions of 18,000 feet of 4 inch distribution pipe, with new 6 inch pipeline. Install a booster pump with check valve on an existing exterior concrete pad in pressure Zone 2.	$150,000
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	2	3220 TANK. SEVERAL HUNDRED HOMES WITHIN THE DISTRICT OBTAIN THEIR DOMESTIC AND FIRE FLOWS FROM A REGULATED ZONE. WATER IS PUMPING FROM DISTRICT WELLS INTO A 3,483 FT. ZONE ELEVATION AND IS THEN REGULATED DOWN TO 3,220 FT. ZONE.	CONSTRUCT A 300,000 GALLON INTERMEDIATE TANK TO PROVIDE STORAGE.	$3,040,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	4282	LOS ANGELES CO WW DIST 37-ACTON	1910248	8	Well will not comply with the future standards for radon and arsenic.	Modify existing facilities to meet the new MCLs	$2,000,000
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	6	VAL VERDE GENERATORS. THE DISTRICT'S TWO EXISTING PUMP STATIONS ARE ELECTRICALLY POWERED. IN THE EVENT OF A POWER OUTAGE, ALL OF THE AFFECTED CUSTOMERS COULD REMAIN WITHOUT WATER SERVICE.	INSTALLATION OF EMERGENCY GENERATORS AT TWO CRITICAL PUMP STATIONS.	$200,000
0	C	4660	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	3	SLOAN CANYON ROAD. THE PIPELINE TO HASLEY WATER TANK IS A SINGLE FEEDLINE. IF IT RUPTURED, A LARGE PORTION OF CUSTOMERS WOULD SUFFER OUTAGES. ALSO, A DEAD END SYSTEM EXISTS THAT CREATES STAGNATION WHICH COULD RESULT IN WATER QUALITY PROBLEMS.	CONSTRUCT ABOUT 3,000 FT. OF PIPELINE ALONG ROMERO CANYON ROAD TO PROVIDE A LOOP SYSTEM INTO THE TANK AND ALLEVIATE THE DEAD END PROBLEM.	$300,000
0	C	4937	Golden State Water Company - Nipomo	4010018	1	Needs to improve sources.	Groundwater Management Plan	$10,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	7	Well No. 9 needs to be upgraded.	Pulled Well No. 9 and determined the best way to fix the problem is to replace liner.	$60,000
0	C	5000	North Tahoe PUD - Main	3110001	16	The Kingswood West (KWW) booster and the storage tank serve 220 existing connections (320 at buildout). The KWW booster pump station is comprised of a 1970 wood framed building housing the pumps, automatic valves and SCADA hardware. The station is physi	This project will relocate the booster station adjacent to and at the same level as the paved arterial road. The structure will use fire resistive construction including walls, doors, and roof. The new structure will retain the duplex pump layout to pr	$733,500
0	C	5000	North Tahoe PUD - Main	3110001	17	The NTPUD Main System source of water consists of a municipal well and a water treatment plant using Lake Tahoe as the raw water source. The District operates the National Avenue Water Treatment Plant under Filtration Avoidance criteria using chlorinatio	The water storage project will increase the gross storage volume to achieve continuous water treatment plant operation while maintaining recommended and regulated operational, emergency and fire suppression reserves. The project will accomplish these goa	$2,685,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	6	Upgrade the storage reservoir which is in a deteriorated condition.	Drain and inspect tanks and then determine the best ways to fix the problem.	$100,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	2	Needs to upgrade the disinfection facilities.	Installed On-site chlorine generation system to meet the County requirements.	$150,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	4	Replace old distribution pipes.	Replace all steel lines with PVC.	$197,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	5	Needs to upgrade the storage tanks	Drain and inspect tanks and determine the best way to fix the problem.	$200,000
0	C	5000	PLEASANT VALLEY MUTUAL WATER CO	5610008	8	Upgrade the distribution system	Replace all steel lines with PVC.	$399,000
0	C	5412	Montara Water and Sanitary District	4110010	30	Increase source capacity	Construct new GW wells	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	5412	Montara Water and Sanitary District	4110010	29	Increase storage capacity	Construct additional storage tanks	$1,000,000
0	C	5412	Montara Water and Sanitary District	4110010	27	Water outage during emergency situations	Construct intertie with adjacent system	$150,000
0	C	5412	Montara Water and Sanitary District	4110010	28	Site tank in appropriate locations	Evaluate appropriate locations for tanks	$150,000
0	C	5527	SAN GABRIEL VALLEY WATER CO.-MONTEBELLO	1910189	1	Provide second source of water supply to San Gabriel Valley Water Company's Montebello System No. 1910189 and reduce the use of Metropolitan Water District supply.	Drill and equip a new well at Plant No. 11 to provide additional water supply for the Montebello System No. 1910189.	$700,000
0	C	6000	Sonoma State University	4910027	3	The life cycle of Wells No. 3 and No. 4 are approaching the end of their useful life. These are the only two operating wells that the University has and due to the age and detioration of well casing, and they are approaching the end of their useful life.	The life cycle of Wells No. 3 and No. 4 are approaching the end of their useful life. These are the only two operating wells that the University has and due to the age and detioration of well casing, and they are approaching the end of their useful life.	$150,000
0	C	6000	Sonoma State University	4910027	2	The University intends to construct a new 350,000 gallon welded steel tank for potable water storage northeast of the existing two 200,000 gallon concrete tanks in the Facilities Services Area on the northeast side of the Sonoma State University Campus.	This project includes construction of a new 350,000 gallon welded steel tank for water storage, including tank foundation, subgrade preparation, anchorage, and tank accessories including internal and external pipe and pipe connections, inlet, outlet, over	$1,200,000
0	C	6076	SLO CWD NO. 10 - CAYUCOS	4010025	1	Needs to replace deteriorated distribution lines.	DESIGN & CONSTRUCT A WATER LINE REPLACEMENT PROGRAM	$300,000
0	C	6076	SLO CWD NO. 10 - CAYUCOS	4010025	4	Existing storage is inadequate for fire protection & emergency needs	design and construct a second storage tank to increase storage and fire protection caqpacity	$750,000
0	C	6076	SLO CWD NO. 10 - CAYUCOS	4010025	2	Upgrade distribution system for reliability	REPLACE & RELOCATE APPROX. 1500 FEET OF 4 INCH LINE WITH 8 INCH LINE, INCLUDES RIGHT OF WAY ACQUISITION.	$80,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	8	Degradation of treated water in storage due to dilapidated redwood tank.	Replace redwood tank with welded steel tank. Involves design and construction.	$180,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	1	Inadequate reliability of raw water supply due to vulnerability of canal headworks to periodic severe damage from high water.	Encase and armor canal headworks. Project involves design and construction.	$280,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	3	Imminent failure of raw water supply due to flood damage to Newton Canal.	Relocate siphon around washout. Involves design and construction.	$170,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	5	Inadequate reliability of treated water supply due to lack of redundancy in mechanical and electrical equipment.	Add a second pump. Involves design and construction.	$95,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	4		Add a second pump. Involves design and construction.	$45,000
0	C	7090	Nevada ID - Lake Wildwood	2910023	2	Inadequate reliability of raw water supply due to dilapidated section of Newton Canal.	Replace section of canal with pipeline. Involves design and construction.	$550,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	7128	Western MWD - Murrieta Division	3310036	2	Insufficient storage facilities resulting in potential shortages and higher costs to citizens to pay for imported water. (District does have an unused connection with Eastern MWD)	Construct a series of storage tanks to meet curretn and rapidly growing needs. (No shortages or outages reported as of 11/01.)	$4,200,000
0	C	7128	Western MWD - Murrieta Division	3310036	1	Aging wells (District's only source of water) and insufficient production capacity for future needs. Existing wells are in need of replacement and upsizing. (District does have an unused connection with Eastern MWD)	Replace aging wells and develop three new ones according to general site location in Master Plan. (No shortages or water outages reported as of 11/01.)	$1,500,000
0	C	7260	Florin County Water District	3410033	1	Insufficient distribution system plagued with ruptures and low volume.	Rehabilitation and replacement of aged and antiquated system.	$10,000
0	C	7260	Florin County Water District	3410033	3	Overdraft of groundwater.	Transmission mains for conjunctive use distribution.	$10,000
0	C	7260	Florin County Water District	3410033	2	Insufficient water source capacity.	Transmission mains to convey treated water from centralized treatment plant.	$10,000
0	C	7376	City of Rio Vista	4810004	3	over MCL for the state reguires 10 we are at 13 treat at well head have connections to sewer for treatment discharge	need to meet reguirements for the state we have a well at 13 and wont meet 10mcl asking for treatment funds for well. Have sewer hookup for treatment	$500,000
0	C	7400	CRESTLINE VILLAGE CWD - DIVISION 10	3610015	3	54% of our drinking water is supplied from local groundwater sources. The ability to provide local source water to our customers is restricted due to limited available storage capacity. Construction of additional storage tanks will allow us to maintain	The project will include the furnishing and erecting of two new 250,000 gallon welded steel tanks with reinforced concrete caissons, drainage facilities, and site piping. The tanks will be seismically anchored, and will include erosion control, paving, a	$300,000
0	C	7500	LA PUENTE VALLEY CWD	1910060	7	Aging 70,000 gal. Zone 1 treatment reservoir (circa 1924) creating possible structural and contamination problems.	Replace existing reservoir with 250,000 gal. steel reservoir. Project involves: Design to solve problem, and Construction	$500,000
0	C	7775	California-American Larkfield (PUC)	4910023	1	Water exceeds odor standards.	Improvements to existing water treatment plant.	$210,000
0	C	8200	Golden State Water Company - Ojai	5610014	1	Needs upgrades for the Fe & Mn Treatment Plant	Electrical upgrades at the San Antonio and Gorham well	$300,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	6		Problem DescriptionCurrently, Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) has two booster pump stations that are remotely located, putting these pumping stations at risk of intentional destruction due to vandalism and/or te	$155,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	4	Improve 6.5 MG reservoir's structural stability	Implement slope stabilization measures necessary to control embankment creep below the reservoir and reservoir reconditioning.	$2,500,000
0	C	8298	Santa Ynez River Water Cons. Dist. ID#1	4210020	1	Needs to upgrade the 6.5 million gallon reservoir.	Replace liner and upgrade piping and inlet/outlet.	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	8646	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	2	Wells are old and can fail any time due to age	Drill three new wells	$260,000
0	C	8646	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	1	Need control system for off peak pumping	Construct telemetry system	$150,000
0	C	8646	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	4	Unreliable telemetry systen	Enhance ability to operate and monitor sites by a new telemetry system	$10,000
0	C	8682	Golden State Water Company - Los Osos	4010017	1	Needs to improve sources.	Groundwater Management Plan	$10,000
0	C	8682	Golden State Water Company - Los Osos	4010017	2	Needs to upgrade distribution system.	Water sampling stations (6)	$30,000
0	C	8689	NEWHALL CWD-PINETREE	1910250	3	High head loss in Honby pipeline from Honby Booster to Pinetree Reservoir.	Construct 9,000 feet of 16-inch diameter pipeline from Oak Springs Boulevard to Pinetree storage tank (See Exhibit) Project involves: Design to solve problem, and Construction	$1,575,000
0	C	8689	NEWHALL CWD-PINETREE	1910250	2	Pinetree Well No. 1 has a current production capacity of 300 gpm. The well has the capability of producing 800 gpm. (See attached report from Law Crandall).	Install pump, motor, and electrical equipment to pump 800 gpm from Well No. 1 and discharge piping to Soledad Canyon Road. Project involves: Design to solve problem, and Construction	$250,000
0	C	8839	DWP - BIG BEAR LAKE/MOONRIDGE	3610044	1	The Lake William system is isolated geographically from the rest of the service area and relies on local ground water resources to meet domestic water demands. Hydrogeologic studies conducted in 2003 indicate that the average water demand of existing cus	The purpose of the project is to provide supplemental water to the Lake William water supply system. Water would be delivered from the existing Erwin Lake water system to the Lake William water system through a new 6-inch pipeline. The engineering was c	$2,500,000
0	C	8839	DWP - BIG BEAR LAKE/MOONRIDGE	3610044	2	The Lake William Service Area consists of 120 developed lots with buildout capacity of 234 lots. Since 1990, nitrate has been detected in increasing concentrations in ground water from all wells serving the area. Septic systems are the source of ground	Preliminary recommendations indicate the need to treat water prior to distribution to our customers. A nitrate treatment plant including monitoring equipment will be required. The results of an engineering study would provide further details on the faci	$100,000
0	C	9527	CHANNEL ISLANDS BEACH CSD	5610039	1	High sulfates	Desalination treatment plant, storage Reservoir and State Water connection	$4,000,000
0	C	9527	CHANNEL ISLANDS BEACH CSD	5610039	2	Connected to Port Hueneme Water Agency, reliance on CIBCSD wells as sole sources for water supply has decreased markedly.	Decommission three wells.	$60,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	1	Inadequate source and storage capacity	Construct 4 new reservoirs and 3 new wells	$3,100,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	7	Over drafted basin with no natural recharge capabilities	Construct treatment plant to treat water from the aqueduct.	$10,500,000
0	C	9847	SBNDO COUNTY SERVICE AREA 70J	3610125	6	Unreliable telemetry system	Install a new telemetry system to monitor the system for automatic control and alarms	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	9884	SCWA - Arden Park Vista	3410002	7	General system improvement. Abandoned wells, aging distribution system, and low pressure problems.	Design and construct a 250,000 gallon storage tank and booster station.	$250,000
0	C	9884	SCWA - Arden Park Vista	3410002	6		Perform an engineering study to define a main replacement program.	$100,000
0	C	9884	SCWA - Arden Park Vista	3410002	8		Acquire site for 250,000 gallon storage tank and booster station.	$100,000
0	C	9884	SCWA - Arden Park Vista	3410002	9	General system improvement. Abandoned wells, aging distribution system and low pressure problems.	Construct main replacement project. Involves design and construction.	$2,000,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	2	In 1997 the City adopted an update of the Water Master Plan. Based upon a hydraulic model created at that time it was recommended to install storage capacity for the Ridgeway pressure zone since the existing tank at the Black Mountain site is undersized t	The City of Morro Bay's Water Master Plan is being used to guide upgrades to the City's water system. The Black Mountain Tank is undersized for it's service area by 0.21 million gallons. In order to meet this need, a new system of tanks will need to be	$100,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	6	In 1997 the City adopted an update of the Water Master Plan. Based upon a hydraulic model created at that time it was recommended to install storage capacity for the Upper Kings pressure zone since the existing tanks at the Upper Kings site are undersized	The City of Morro Bay's Water Master Plan is being used to guide upgrades to the City's water system. The Upper Kings Tank is undersized for it's future service area by 0.78 million gallons. In order to meet this need a new tank will need to be designed	$355,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	7	In 1997 the City of Morro Bay adopted an update of the Water Master Plan. Based upon a hydraulic model created at that time it was recommended to install storage capacity for the Nutmeg pressure zone since the existing tank at the Nutmeg site is undersize	The City of Morro Bay's Water Master Plan is being used to guide upgrades to the City's water system. The Nutmeg Tank is undersized for it's service area by 1.19 million gallons. In order to meet this demand a new system of tanks will need to be designe	$750,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	1	The current flow rate from the Upper Kings tanks in Morro Bay is not sufficient to meet build out fire flow required to serve the residential area in the Lower Kings Pressure Zone.	In 1997 the City of Morro Bay adopted an updated Water Master Plan. This plan included a hydraulic model designed to analyze flows through our system for both current and build out conditions. Based upon the findings of the model there are a number of lin	$100,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	5	Existing deficiencies within the Nutmeg Zone include supplying residential fire flow requirements to the southern portion of the zone, primarily along Bayview, Rockview, and Ponderosa. Residential fire flow requirements also cannot be met in the northern	In 1997 the City of Morro Bay adopted an updated Water Master Plan. This plan included a hydraulic model designed to analyze flows through our system for both current and build out conditions. Based upon the findings of the model there are a number of dea	$115,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	4	The current flow rate from the Upper Kings Tanks in Morro Bay is not sufficient to meet build out fire flow required to serve the residential area near the tank.	In 1997 the City of Morro Bay adopted an updated Water Master Plan. This plan included a hydraulic model designed to analyze flows through our system for both current and build out conditions. Based upon the findings of the model, there are a number of de	$60,000
0	C	10270	MORRO BAY WATER DEPARTMENT	4010011	3		In 1997 the City of Morro Bay adopted an updated Water Master Plan. This plan included a hydraulic model designed to analyze flows through our system for both current and build out conditions. Based upon the findings of the model there are a number of lin	$33,000
0	C	10500	Riverview WD	3710030	7	Filtration and Denitrification: raw water treatment is no doubt a fact to be considered in the water source development: Best technology studies should be completed for filtration, treatment and measurement of water quantity and quality for the Dist	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$750,000
0	C	10500	Riverview WD	3710030	8	Mapping and data base: The district should develop the data base for the waterworks general information system. The system can be integrated with the county general data base under RUIS.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$100,000
0	C	10500	Riverview WD	3710030	6	Well head protection: adequate facilities must be provided to protect the District well field and intrusion of contaminants into the field. Ongoing studies are needed for the application of best management techniques.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$25,000
0	C	10500	Riverview WD	3710030	5	Ground water monitoring: monitoring the basin ground water conditions on a continuing basis is a must. The basin serves the District from its well field in the Upper SD River Basin. The Basin is utilized also by the Helox, Lakeside, Padre Dam and C	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$25,000
0	C	10500	Riverview WD	3710030	4	Groundwater development: The district is developing its well field.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$175,000
0	C	10500	Riverview WD	3710030	2	Telemetry and automatic systems: The district has systems that are failing and that need replacing now. Capital funding is short.	Studies are required to completely define the problem.	$100,000
0	C	10500	Riverview WD	3710030	1	Consolidations: Adjacent Districts are reviewing the appropriate size boundaries that can serve the user. Planning studies are required to participate in the joint study.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	$50,000
0	C	12427	CITY OF LATHROP	3910015	2	Aged distribution system and one well out of service due to contamination.	Replace distribution lines as required and drill new well.	$3,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	12481	SBDNO COUNTY SERVICE AREA 64	3610121	2	Power outages resulting in unreliable system	Provide a standby power generator to operate production well #6	$50,000
0	C	12481	SBDNO COUNTY SERVICE AREA 64	3610121	3	Unreliable telemetry systen	Enhance ability to operate and monitor unattended sites throughout water distribution system	$100,000
0	C	12481	SBDNO COUNTY SERVICE AREA 64	3610121	1	Inadequate storage capacity	Construct 1 MG reservoir	$400,000
0	C	12566	Newhall CWD-Newhall	1910096	1	San Fernando Road Pipeline. Existing diameter is too small to convey the existing well production, thereby causing high discharge pressure in the well field which in turn reduces well productions.	The proposed 30-inch diameter San Fernando Road pipeline 11,000' will reduce friction loss between the well field and Tank 9 and thereby increase well production. This line will also be dedicated pipeline to Tank 9 and thereby provide blending capac	$2,000,000
0	C	12566	Newhall CWD-Newhall	1910096	8	With the uncertantity of State Water Project allocations, Newhall County Water District (NCWD) is planning to increase it's supply reliability by drilling a new potable water well. While a new well incereases reliability in daily operations, Newhall Well	Newhall County Water District plans to drill and outfit a deep well for potable water production. Currently the District has five wells in the Newhall Division, two of which are in production. A hydrogeologist hired by NCWD has already produced a report	$500,000
0	C	12626	NIPOMO COMM SERVICES DIST	4010026	5	The community of Nipomo is located on a coastal mesa averaging an elevation of 380 feet above sea level in the southern end of San Luis Obispo County. Approximately 12,000 customers within seven square miles receive water and wastewater services from the	Nipomo Community Services District is leading a project focused on the construction of treatment facilities as well as a pipeline to import between 3,000 to 6,200 acre feet of supplemental water per year from the Santa Maria Basin to resolve overdraft of	$26,000,000
0	C	12626	NIPOMO COMM SERVICES DIST	4010026	4	Existing gorundwater supply sources threatned by se water intrusion, declining water table	Develop supplemental sources, construct cross connections with neighboring systems	$8,000,000
0	C	13248	GROVER BEACH WATER DEPARTMENT	4010004	1	Needs to improve Storage Reservoir No. 1	Repair and replace corroded members including floor, sandblast and recoat, new cathodic protection	$350,000
0	C	13500	MONTECITO WATER DIST	4210007	1	Needs to upgrade distributions system	Replace pipelines and install pump station.	$5,100,000
0	C	13500	MONTECITO WATER DIST	4210007	3	Needs to upgrade distribution system for State Project water use.	Construct pump station and additional piping.	$770,000
0	C	13500	MONTECITO WATER DIST	4210007	5	Needs to improve Doulton Tunnel.	Rehab tunnel.	$725,000
0	C	13500	MONTECITO WATER DIST	4210007	7	Montecito Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Monte	Montecito Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Monte	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	14000	Lamont Public Utility Dist	1510012	8	Approximately 600 feet of 4 inch distribution line connects the north side and soouth side of the Lamont Public Utility District. The north end of the 4 inch pipe is connected to a 6 inch distribution line and the south end of the 4 inch distribution lin	This project would entail the construction and installation of approximately one mile of 10 inch RCP to reroute and bypass the section of the system that is currently bottlenecked.	$2,000,000
0	C	14000	Lamont Public Utility Dist	1510012	9	The Lamont Public Utility District (LPUD) has 9 groundwater wells in which 4 are off line due to aging infastructure and water quality issues. The LPUD has 3,000 plus connections and a population of 14,000 plus, currently being served. Lamont is growing	The Sunset Well Project will first entail a groundwater study of this site to gather the necessary information for drilling into a clean aquifer.Upon receiving results of the groundwater study, the second step will be to drill at the suggested depth and t	$2,000,000
0	C	14575	RIPON, CITY OF	3910007	2	Rising concentrations of nitrate in the City of Ripon's groundwater supply have forced the City to take critical wells out of its drinking water supply. Nitrate contamination is attributed to crop over-fertilization and industrial contamination. One of	This project is being submitted for Proposition 84 funding under Section 75025 (Groundwater Contamination Grants). The City is proposing a feasibility study to evaluate the viability of an Aquifer Storage and Recovery (ASR) facility to store SSJID surfa	$125,000
0	C	15300	American Canyon, City of	2810005	3	Projected deficiency in water treatment capacity.	Construction of minimum two MGPD treatment plant.	$3,500,000
0	C	15600	Ord Community Water System - Inactive	2710701	1	TCE groundwater plume from military operations has affected Well 29. Well also has persistent coliform problem.	Develop well(s) located in-land away from the TCE plume and away from other sources of colifiorm.	$1,100,000
0	C	15600	Ord Community Water System - Inactive	2710701	3	Master plan for future development shows existing system unable to adequately distribute water to meet demand due to inadequate pipe size	Install apx 7,500 lf of new pipeline and a new booster station.	$7,000,000
0	C	15955	Ukiah, City of	2310003	3	0.66 MG deficieny of source capacity to meet maximum day demand	Design and construction of new Ranney collector	$3,000,000
0	C	15955	Ukiah, City of	2310003	4	The City of Ukiah's water distribution system is an aged system that is susceptible to above average leaks and/or breakages. The proposed project will install acoustic leak detection sensors throughout the entire 68 miles of the water distribution syste	The project objective is to improve the City of Ukiah's existing water audit and leak detection program by consolidating our resources with the use of electronic leak detection devices.This project will be implemented by replacing survey teams that walk t	$273,050
0	C	15955	Ukiah, City of	2310003	2	System has three wells that may be under the direct influence of surface water. In depth monitoring will be done in the winter of 2001/2002.	Expand existing surface water treatment plant to be able to treat water produced by three wells that may be under the direct influence of surface water	$3,000,000
0	C	16180	WALNUT PARK MUTUAL WATER CO.	1910169	2	Company in existence since 1914. Nine of 11 wells since company was formed are now unusable or abandoned. Two working wells were drilled in 1967 and 1977. Need to ensure water source for community customers.	Drill and construct new well.	$875,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	16349	Avenal, City of	1610002	7	The City of Avenal takes its water from the California Aqueduct, treats it and pumps it to the top of a hill five miles away. From there the water is distributed to the City by gravity from three tanks.The City is faced with the immenite failure of one o	A study completed by the City Engineer indicates that the installation of five pressure reducing stations would elimintate the need for a new tank. The cost of a new tank would be $3.9 million. Using the pressure reducing stations would decrease that co	$1,000,000
0	C	16682	ARROYO GRANDE, WATER DEPARTMENT	4010001	1	Needs to improve Reservoir No. 1.	Analysis, design and construction of a mew water storage reservoir no.1	$2,095,300
0	C	16765	CALIFORNIA WATER SERVICE CO - WESTLAKE	5610016	1	Needs to upgrade the distribution system facilities.	Design and construct a booster station on the outlet of this reservoir	$235,000
0	C	16900	Coastside County Water District	4110011	3	Distribution pipeline is aged and has reached its maximum transmission capacity.	Replace existing 10 inch diameter pipeline with a 16 inch pipeline.	$2,500,000
0	C	16900	Coastside County Water District	4110011	1	Distribution pipelines requires upgrades to maintain water supply and pressure during high demand periods.	This project will replace 3,300 lineal feet of 12" transmission pipeline with 24" ductile iron pipeline.	$800,000
0	C	16900	Coastside County Water District	4110011	2	Distribution pipelines requires upgrades to maintain water supply and pressure during high demand periods.	Replace 2,300 lineal feet of existing 12" welded steek transmission pipeline with12" ductile iron pipeline.	$500,000
0	C	17500	Orange Vale Water Company	3410016	1	Water demand problems. Also federally mandated to install water meters on all service connections.	Build an above ground storage facility and install water meters.	$10,000
0	C	18250	Rainbow Municipal WD	3710016	5		Rainbow Municipal Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. T	$100,000
0	C	19272	CalAm - Rosemont	3410034	1	General system improvement. Groundwater contamination threatens source of supply.	Keifer Blvd/City of Sacramento interconnection. Involves design and construction.	$1,050,000
0	C	19272	CalAm - Rosemont	3410034	3	General system improvement. Nitrate contamination exceeding MCL forced well closure.	Replace Montezuma well. Involves design and construction.	$600,000
0	C	20047	Hemet, City of	3310016	7		Installation of two water system interties to the City of Hemet water distribution system: One intertie with Lake Hemet Municipal Water District and an additional intertie with Eastern Municipal Water District. These two interties would expand the city's	$1,000,000
0	C	20047	Hemet, City of	3310016	5	The City of Hemet water distribution system, comprised of 12 wells, four above ground reservoirs, and 130 miles of main lines is manually operated and monitored. As a result, the system is vulnerable to a variety of adverse conditions including undetecte	Purchase and install radio-based Supervisory Control and Data Acquisition (SCADA) telemetry water infrastructure control system to allow water distribution system to be operated and monitored remotely. Benefits include increased system reliability and op	$350,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	20181	LOMITA-CITY, WATER DEPT.	1910073	1	The City of Lomita has one water well that is not being operated because of water quality problems and customer complaints when the well water is introduced into the System.	A water treatment plant to enable the city to use the well water is needed. (additional supporting detail will follow) Project involves: Design, and Construction	$1,000,000
0	C	20681	Phelan Pinon Hills CSD	3610120	7	Overdrafted basin with no natural recharge capabilities.	Construct treatment plant to treat water from the aqueduct	$10,500,000
0	C	20681	Phelan Pinon Hills CSD	3610120	1	Inadequate source and storage capacity	Construct 6 new reservoirs and 4 new wells	$4,400,000
0	C	20875	PATTERSON, CITY OF	5010017	2		The proposed Gateway Water Distribution Facility project has dimensions of 20 X 29 square feet and is located in an isolated area on the Citys limits. The facility is adjacent to interstate five and a commercial area frequented by travelers from the inte	$90,000
0	C	20875	PATTERSON, CITY OF	5010017	4		A Surveillance System would alert operators to unathorized entries to the water facilities. This would also provide video images of intruders and other problems.The City wants to install a Surveillance System compatible with our current SCADA system soft	$110,000
0	C	21053	Santa Fe I.D.	3710023	3		Santa Fe Irrigation District, CA, requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Santa Fe Irrigation Distri	$179,810
0	C	21500	City of Millbrae	4110018	4	Approximately 40% of our customers do not have water storage reservoirs for emergency water supplies if SFPUC system fails.	Design and construct 2 MG water storage reservoir for low elevation service area.	$2,500,000
0	C	22000	NORWALK - CITY, WATER DEPT.	1910191	3	Well 8 has shown concentrations of 1,2-dichloroethane above the state standard. The well was taken out of service on 10/15/99. On 10/18/99, DHS requested the well be removed from service. The actual source of the contamination is unknown; a former fuel	Treatment of the well would be done on the well site. Because 1,2-dichloroethane can be difficult to remove, treatment methods need to be evaluated in order to select the most appropriate treatment method. The Water Replenishment District of Southern Ca	$250,000
0	C	22000	PORT HUENEME WATER DEPT	5610009	7	No meters installed on residential connections	Install meters	$3,800,000
0	C	24700	Rincon Del Diablo MWD (ID-1)	3710018	1		Rincon del Diablo Municipal Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water S	$340,000
0	C	25000	BIG BEAR CITY CSD	3610008	6	Fluoride level of new well exceeds MCL	Construct fluoride removal system	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	25000	CALIF STATE POLYTECHNICAL UNIV - POMONA	1910022	2	The underground water that serves a population of 20,000 on Cal Poly Pomona University is high in nitrate. University has to purchase surface water from MWD (approximately 30% to 40%) to dilute the groundwater in order to produce safe drinking water for	The propose project will install a Nitrate removal system to remove Nitrate from groundwater and rebuild a 1 million gallon Lower Reservoir to store more groundwater to meet growing campus consumption. Work will entail installation of an effective Nitrat	$7,000,000
0	C	25620	Valley Center MWD	3710026	2	Surface water reservoir which is not in service at this time does not meet drinking water standards.	Construct pressure filtration plant.	$6,000,000
0	C	25620	Valley Center MWD	3710026	3		Valley Center Municipal Water District requests an invitation to apply under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. Valley Center MWD provides w	$1,600,000
0	C	25694	Brawley, City of	1310001	5	Our water plant has only one raw water source feeding two raw water reservoirs. These reservoirs will supply three days of water should an extended outage of source water occur during peak usage particularly during summer months. In addition our current r	A new third reservoir 500 feet x 150 x 30 feet would alleviate the issues we face. The three reservoirs would be configured in series which would minimize turbidities and allow less chemical dosing. It would allow maintenance of each reservoir without imp	$2,500,000
0	C	25824	City of South Pasadena	1910154	4	Finished water stored in Grand Reservoir is not rechlorinated when it is pumped into the distribution system	Install chlorination equipment, safety systems and chlorination buildings at Grand Reservoir. Project involves: Design, and Construction	$500,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	22	Deterioration and damage of old appurtenances	Rehabilitation, replacementor removal air and vaccum release valves, posts, cross connections, fire hydrants, underground vaults, vault ventilation covers and water valves.	$476,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	6	SERRA BOOSTER STATION. THE EXISTING BOOSTER STATION IS AGED AND OF INSUFFICIENT CAPACITY TO PROMPTLY FILL THE SWEETWATER MESA TANK.	UPGRADE EXISTING BOOSTER STATION TO ELIMINATE FREQUENT MAINTENANCE.	$200,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	19	PHASE 2 OF 2: 3.6 MG WATER STORAGE DEFICIENCY	CONSTRUCT A 1.6 MG RESERVOIR AT THE EXISTING SUNSET MESA TANK FARM SITE	$1,680,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	9	MALIBU KNOLLS PIPELINE. THE EXISTING WATER SYSTEM IN THIS COMMUNITY IS AGED, UNDERSIZED, AND IN NEED OF REPLACEMENT. THE DETERIORATING SYSTEM CAUSES MAINTENANCE PROBLEMS.	REPLACEMENT OF WATER MAIN AND CONSTRUCTION OF A BOOSTER PUMP STATION TO REDUCE MAINTENANCE.	$1,250,000
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	12	ENCINAL CANYON ROAD PIPELINE. THE EXISTING WATER SYSTEM IS AGED AND UNDERSIZED.	INSTALL WATER MAINS TO IMPROVE FIRE PROTECTION AND IMPROVE OUR ABILITY TO FILL THE EXISTING WATER TANK.	$350,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	27807	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	21	11 tank sites have been determine to be a safety threat due to lack of proper drainaga courses and storm drains to convey the water flow in the event of a tank rupture	Modification with water diverting systemssuch as retaining walls, flood gates, drainage courses, weep holes etc.	$750,000
0	C	28000	INDIAN WELLS VALLEY W.D.	1510017	1	DOCUMENTED THREAT OF HIGH TDS WATER (91,200 PPM) MAY CONTAMINATE THE GROUNDWATER	SPREAD WELLFIELD OUT. OTHER - DESIGN AND CONSTRUCTION	$3,925,000
0	C	28000	City of Benicia	4810001	14	Inadequately treated water cannot be properly disposed.	Design and install a second pipeline to connect the WTP to the Lake Herman inlet pipeline, which allow operators to waste recycled plant flow to lake Herman while in use.	$1,310,000
0	C	28000	City of Benicia	4810001	13	Poor turnover in sections of distribution system.	Design and construction of 800 feet of 24 inch pipeline to replace the existing 14 inch pipeline.	$204,000
0	C	28000	City of Benicia	4810001	18	Miscellaneous improvements to water system identified in Master Plan.	Miscellaneous projects to address the concerns listed in Attachment 1.	$59,000
0	C	28000	City of Benicia	4810001	16	High industrial use of domestic water supply needs to be augmented.	Perform a feasibility study to determine feasibility of project.	$150,000
0	C	28796	ATASCADERO MUTUAL WATER CO	4010002	2	Needs to improve source capacity.	Develop additional wells for new and replacement water supply.	$1,500,000
0	C	28796	ATASCADERO MUTUAL WATER CO	4010002	3	Needs to improve source capacity and upgrade distribution system.	Water well recovery system, distribution, and blending facility.	$775,000
0	C	29995	City of Livermore	110011	1	Unable to provide service to specific areas at acceptable pressures for both domestic and fire purposes.	Add two elevated storage reservoirs, associated piping and pump station to system.	$10,000
0	C	30469	GOLDEN STATE WATER CO - BARSTOW	3610043	2	The 61-year old Cast Iron and Steel pipelines require replacement due to pipe material and age of infrastructure. Additionaly, the portion of 4-inch main on West Street needs to be replaced due to hydraulic deficiencies.	Replace 12-inch Steel pipeline with 12-inch PVC along Buena Vists Street from Avenue A to West Street, and replace 4-inch Cast Iron and 8-inch Steel pipelines with 8-inch PVC along west Street from Buena Vista to Fredericks	$171,171
0	C	31000	CRESCENTA VALLEY CWD	1910028	3	Aging distribution system pipelines with significant leak/rupture history; resulting potential for contamination and pressure losses within distribution system and inability to meet required fire protection flows.	Funding requested for a water distribution system pipeline replacement program that has been in place since 1994/95 for a portion from 1997/98 beyond. Project involves: Design, and Construction	$8,173,060
0	C	32584	CalAm - Suburban	3410010	3	General system improvement. Inadequate source of supply due to ground water contamination from Mather.	Booster station, tank and connecting mains. Involves design and construction.	$2,500,000
0	C	32584	CalAm - Suburban	3410010	4	General system improvement. Loss of source production due to VOC ground water contamination.	Drill and equip well. Involves design and construction.	$530,000
0	C	32584	CalAm - Suburban	3410010	2	General system improvement. Lack of system pressure due to loss of source of supply.	US 50 overcrossing. Involves design and construction.	$250,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	33250	Diablo Water District	710007	1	Diablo Water District (DWD) currently receives approximately 85% of its water supply from the Delta, via the Contra Costa Water District (CCWD) and 15% from local ground water. The Delta supply is becoming more and more uncertain with recent court deciss	This is the second phase of a three phase project that DWD began in 2002 and is on track to free up 840 afa to 2,800 afa of Delta surface water supplies. The project involves the installation of a 1 to 2 million gallon per day variable flow well pump sta	$1,500,000
0	C	33792	San Juan Water District	3410021	6	General system improvement. Scada system has unacceptable transmission capacity, with up to 15 minute data update time intervals, which is well below the expected response.	Determine improvements/replacements to existing SCADA system and implement.	$900,000
0	C	33792	San Juan Water District	3410021	5	General system improvement. The water main pipeline has failed many times and is vulnerable to collapse by being suspended over a canyon by dilapidated wooden trestle.	Reconstruction to replace or renovate the pipeline.	$940,000
0	C	33792	San Juan Water District	3410021	1	General system improvement. Existing pumps will not provide the water needed by the six agencies in case of floods or drought. Possible water outage.	Improve suction sides and replace pumps.	$2,800,000
0	C	34558	Marina Coast Water District	2710017	8	There are 26 locations in the Marina Coast Water District's Marina drinking water delivery system where the water transmission mains feeding oul-de-sacs are undersized and require replacement. These undersized transmission main sections pose pressure iss	The Marina Undersized Mains and Hydrant Repair and Replacement Project would include planning, design and construction for replacing 26 locations of undersized drinking water transmission mains and Warfhead Hydrants to improve pressure flow in those publ	$1,400,000
0	C	34558	Marina Coast Water District	2710017	9	The Marina distribution system has 65 locations where water flow is into a deadend main where a blow off is located for deadend main flushing. DHS requires we flush all of the dead end mains annually. We are not able to do so and effectively flush them	The project would include planning, design, and removal and replacement of 65 blow-offs on dead end drinking water pipelines to enable the annual flushing required by DPH and ensure drinking water quality standards are met throughout the Marina Coast Wat	$1,000,000
0	C	34558	Marina Coast Water District	2710017	10	The conversion of the Fort Ord from military use to domestic use included transferring ownership to the Marina Coast Water District for the existing Fort Ord public drinking water supply, treatment, storage and distribution system. The Marina Coast Water	The Ord CSUMB Housing Small Mains Replacement Project would include:- pre-design/planning for removing transmisstion main sections - design(including environmental documentation) and bid document preparation-construction to remove and replace 28 transmis	$4,000,000
0	C	35212	Golden State Water Company - Orcutt	4210016	4	Needs to improve the reliability of system operation.	Automate the system with auto dailer.	$50,000
0	C	35212	Golden State Water Company - Orcutt	4210016	7	Upgrade distribution system for bacteriological monitoring.	Install two industrial approved sample stations for TCR sampling.	$10,000
0	C	35212	Golden State Water Company - Orcutt	4210016	3	Needs to improve sources.	Implement a groundwater management plan.	$10,000
0	C	35212	Golden State Water Company - Orcutt	4210016	8	Upgrade reservoirs to prevent corrosion.	Install cathodic protection at two reservoirs, Orcutt Hill and Orcutt plant Reservoir	$25,000
0	C	35212	Golden State Water Company - Orcutt	4210016	5	Upgrade the distribution system for adequate pressure.	Automate the Foxenwood zone system.	$30,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	35212	Golden State Water Company - Orcutt	4210016	9	Distribution system needs upgrades for maintain adequate pressure.	Automate the Evergreen Zone.	$30,000
0	C	36037	City of San Juan Capistrano	3010030	7	This project is intended to address MTBE groundwater contamination within the proximity of the Kinoshita Well located in the City of San Juan Capistrano. The Kinoshita Well is currently threatened with MTBE contamination which could potentially exceed ap	The project includes the purchase and installation of a contamination treatment system to remove MTBE and other chemical contaminants from the groundwater in the proximity of the Kinoshita Well. The City is considering either a Granular Activated Carbon	$2,300,000
0	C	36037	City of San Juan Capistrano	3010030	5	The project is designed to address MTBE groundwater contamination within the proximity of the Dance Hall Well in San Juan Capistrano. The Dance Hall well is currently threatened with MTBE contamination that could potentially exceed applicable drinking wa	The project includes the purchase and installation of a contamination treatment system to remove MTBE from groundwater which supplies the Dance Hall Well. The project includes a Granular Activated Carbon treatment process at the well-head. The proposed	$2,300,000
0	C	36501	GSWC - CLAREMONT	1910024	4	The Indian Hill areaWells have reached the end of their economic usefull life. Drilling a new well on an existing site will provide ground water inlieu of using Colorado River Water.	This project involves the drilling and equiping of a new well at an existing facility.	$750,000
0	C	36501	GSWC - CLAREMONT	1910024	5	The Montana Lane area Wells have reached the end of their economic usefull life. This is a new site to provide ground water inlieu of using Colorado River Water.	This project will involve the complete developement of a new well facility. The project is currentlyin design and will involve the drilling and equiping of the well and building as well as chlorination failities.	$850,000
0	C	38295	San Dieguito WD	3710021	1	Possible contamination of San Dieguito Reservoir with collection of sludge solids and filter backwash water.	Back wash water secondary treatment (reclamation) and removal of accumulated solids in lake for taste and odor imrovements.	$5,900,000
0	C	38390	North Coast County Water Dist	4110025	7		Phase 2 of project will place a liner inside main after phase 1 work is completed.	$350,000
0	C	38390	North Coast County Water Dist	4110025	6	Corroding and leaking transmission mains.	Phase 1 system modifications will allow leaking main to be taken out of service	$75,000
0	C	38406	Coachella, City of	3310007	1		Security for the municipal water wells, reservoirs, and booster stations in the city of Coachella.	$175,000
0	C	40000	Carmichael Water District	3410004	7	Ground Water Contamination - NDMA and perchlorate from Aerojet. Currently 3 wells with 5MGD capacity are affected (but below the perchlorate action level of 6ppb- per Steve Nugent 11/15/05). NDMA plume is 4000 feet away and moving 800 feet per year.	Expansion of Bajamont Water Treatment Plant from 17 mgd to 22 mgd.	$1,875,000
0	C	40165	City of San Bruno	4110023	8	Need to increase emergency water supply. (combined with another project)	Construct storage facilities to expand storage capacity.	$10,200,000
0	C	40165	City of San Bruno	4110023	5	Storage tank has interior corrosion problem.	Detailed field inspection/survey to determine the magnitude of the problem. Sand blasting and recoating of the interior.	$120,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	40165	City of San Bruno	4110023	1	Need to replace water meters. (combined with project # 04-41-133)	Supply and installation of water meters and electronic "touch read" devices.	$830,300
0	C	42717	Golden State Water Company - Simi	5610059	3	Needs to improve sources for reliability.	Acquisition of property for the drilling of a well near Fitsgerald interconnection with Callegaus MWD will provide for the additioon of future emergency and alternative water supply to the system. Overall water qualityimprovement by blending.	$150,000
0	C	42717	Golden State Water Company - Simi	5610059	4		Study groundwater quality and quantity available in the area of the highest elevation. Results will be used to select a well site to provide emergency and alternative water supply of good water quality to this area.	$30,000
0	C	42717	Golden State Water Company - Simi	5610059	1		Drill and equip a well at the Rebecca Plant to provide for future emergency and laternative water supply.	$450,000
0	C	42717	Golden State Water Company - Simi	5610059	2	Needs to improve storage capacity for meeting peak water demand.	Provide an additional 2 MG of storage steel tank for emergency and peak supply.	$1,000,000
0	C	44174	San Luis Obispo Water Department	4010009	4	In event of extraordinary water use water pressure may fall below standards	Create a new pressure zone and install a water tank	$1,657,250
0	C	44708	CalAm - Lincoln Oaks	3410013	6	General system improvement. Diesel contamination in well.	Villaview wellhead treatment. Involves design and construction.	$450,000
0	C	44708	CalAm - Lincoln Oaks	3410013	2	General system improvement. Inadequate distribution main for new well location.	Connect to Daly Ave main. Involves design and construction.	$160,000
0	C	44708	CalAm - Lincoln Oaks	3410013	3		Treelark wellhead treatment. Involves design and construction.	$450,000
0	C	44708	CalAm - Lincoln Oaks	3410013	4		Sandlewood wellhead treatment. Involves design and construction.	$450,000
0	C	44708	CalAm - Lincoln Oaks	3410013	7	General system improvement. Inadequate soruce of supply due to attrition if well sources and VOC groundwater contamination.	Lincoln Oaks tank and booster station. Involves design and construction.	$1,800,000
0	C	44708	CalAm - Lincoln Oaks	3410013	5	General system improvement. VOC contamination in well.	Glass Slipper wellhead treatment. Involves design and construction.	$450,000
0	C	44831	CAMARILLO WATER DEPT	5610019	1	Needs to improve the reliability of sources.	Construct additional wells to provide provide redundancy and insuring system reliability.	$740,000
0	C	45000	SAN GABRIEL COUNTY WD	1910144	1	Over the last four years San Gabriel County water District has lost 2500gpm of production due to heavy sand problems at three of our well sites, well 11, well 9 and well 7. We would like to rehabilitate our well 3 that has been out of service for approxam	The project would iinvolve our well 3 which has been inactive for approxamately 18 years. It is situated at our Van Nuys reservoir site. It is an ideal spot for a rehabilitation because of the location next to our reservoir which it would dump directly in	$500,000
0	C	48418	RIALTO-CITY	3610038	3	Aging meters in distribution system	Water meter replacement to promote water conservation	$1,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	49000	Soquel Creek Water District	4410017	6	Need shallow well system in La Selva Beach due to seawater intrusion.	Install a multipe shallow well system to reduce localized groundwater demand and avoid using deeper waters.	$3,000,000
0	C	49000	Soquel Creek Water District	4410017	5	Need to develop surface water source due to seawater intrusion.	Purchase 40 acres and build a surface water treatment plant, reservoir, pipeline, and surface water intake/pump station off Soquel Creek.	$40,000,000
0	C	49000	Soquel Creek Water District	4410017	2	Purissima aquifer needs treatment for taste, odor, and hardness of water.	Install treatment and water softening equipment.	$1,100,000
0	C	49000	Soquel Creek Water District	4410017	8	Need La Selva Beach well due to high TDS and chlorides.	Install La Selva Beach production well will provide additional water in sub-area IV.	$758,900
0	C	49000	Soquel Creek Water District	4410017	4	System needs computer ground water modeling to help with seawater intrusion.	System needs a computer groundwater model to simulate groundwater basin yield.	$300,000
0	C	49000	Soquel Creek Water District	4410017	3	GAC and water softening is needed for Garnet Well for taste and odor problems.	Upgrades to treatment plant--granular activated carbon filters, and water softening equipment.	$500,000
0	C	49000	Soquel Creek Water District	4410017	7	Need new well in sub-area III due to high TDS and chlorides.	Installation of a production well in sub-area III.	$1,000,000
0	C	49000	Soquel Creek Water District	4410017	9	System needs new well at Top Sail Court due to seawater intrusion.	Construct new production well at Top Sail Court.	$1,900,000
0	C	49359	Delano, City of	1510005	2	The City of Delano needs to immediately replace 12,450 lineal feet of old deteriorated OD steel water distribution pipelines and leaking valves. There are over 100 water breaks per year that require emergency excavation and repair in the proposed area. Th	The City will replace 12,450 lineal feet of deteriorated outside diameter (OD) steel water distribution pipelines and leaking valves. The pipes were prevously installed between 1930 and 1940. The 4” OD pipes will be replace with 8” PVC pipe. The main lin	$2,200,000
0	C	50000	THOUSAND OAKS WATER DEPT	5610020	1	Rolling Oaks tank needs to be adequately sized and seismically safe.	Construct a new larger reservoir to meet the current seismic codes and the standard for fire flow storage.	$1,000,000
0	C	50800	El Toro Water District	3010079	2	Deteriorating reservoir coating	Re-coating of reservoir	$400,000
0	C	50800	El Toro Water District	3010079	1	Deteriorating reservoirs coating	Re-coating of reservoirs	$1,000,000
0	C	50800	El Toro Water District	3010079	3	Aged & worn water wransmission pipe	Pipeline replacement	$203,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	9	Hypochlorination facilities unable to maintain consistent residual	Replace hypo units with chlorine generators	$200,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	12		Replace hypo units with chlorine generators	$200,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	7	Inadequate source capacity (single source of supply)	Construct reservoir and booster system adjacent to well	$300,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	10		Replace hypo units with chlorine generators	$200,000
0	C	52879	APPLE VALLEY RANCHOS WC	3610003	11	Hypochlorination facilities unable to maintain consistent residual	Replace hypo units with chlorine generators	$200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	55000	City of Chino Hills	3610036	2		Extend reclaimed line to mitigate demand for potable water	$500,000
0	C	55000	City of Chino Hills	3610036	4	Inadequate source capacity resulting in service connection limitation	Extend reclaimed line to mitigate demand for potable water	$850,000
0	C	55000	City of Chino Hills	3610036	7		Construct reclaimed water reservoir R24	$1,125,000
0	C	56980	Folsom, City of - Main	3410014	1	lack of intrusion monitoring, alert system at water treatment plant, pump stations, and reservoirs	install passive monitoring systems at 15 sites at water treatment plant and distribution system; possible central monitoring	$300,000
0	C	58000	ROWLAND WATER DISTRICT	1910194	1	The system experiences continuing difficulty in controlling nitrification and maintaining an adequate chloramine residual throughout the distribution system and reservoirs.	Install Chloramine injection facilities and revamp common inlet-outlet reservoir piping. Project involves: Design to solve problem, and Construction	$3,250,000
0	C	61454	City of La Habra	3010018	1	La Habra produces 10 percent of its water from the local ground water basin. Currently there are three water quality issues associated with the local ground water basin which are all secondary standards. The first problem is Total Dissolved Solids that	Drill a 1400 feet deep 2500 GPM ground water well. Install sodium hexametaphoshate iron/manganese sequestering or a filter removal system. Install an air stripper for ammonia and hydrogen sulfide removal. Install 5000 feet of 24 diameter supply pipeline	$4,500,000
0	C	62100	City of Tustin	3010046	5	The City of Tustin is located in central Orange County. Tustin is bordered by the City of Santa Ana to the west, Irvine to the east and south, and an unincorporated area of Orange County to the north. In the early 1980's, the City of Tustin acquired the	The well site will be located on a property between Old Tustin Avenue on the west, and Tustin Avenue on the east in the City of Santa Ana. The well facility will have accessibility from both Old Tustin Avenue and Tustin Avenue. The site will be located	$3,025,000
0	C	64000	MONTEREY PARK-CITY, WATER DEPT.	1910092	7		This project will improve fencing and install entry alarms at all 7 reservoir sites and improve perimeter security at the Delta Treatment Plant. Currently, the citys reservoirs are only pretected by chain link fencing that has begun to fall into disr	$188,000
0	C	66000	LAKEWOOD - CITY, WATER DEPT.	1910239	7	The City of Lakewood owns and operates Well No. 27, which is currently affected by arsenic, hydrogen sulfide, and manganese. Arsenic exceeds the Primary MCL, manganese exceeds the Secondary MCL, and hydrogen sulfide exceeds Taste & Odor thresholds.	The City of Lakewood plans to install an arsenic removal system to treat 2250 gallons per minute of flow. The City of Lakewood owns and operates Well No. 27, which is currently affected by arsenic, hydrogen sulfide, and manganese at levels exceeding the S	$1,100,000
0	C	66470	California Water Service - Bear Gulch	4110006	1	Treatment plant needs to be upgraded to assure maintenance of water quality standards.	treatment plant upgrades-Particle Counter SCADA system connection, and Precursor removal for Total Trihalomethane (THM) control.	$120,000
0	C	67876	City of Pleasanton	110008	4	Well no.7 is out of service due to groundwater contamination from a nearby gasoline station.	Drill new well and construct all ancillary facilities to replace lost production.	$1,200,000
0	C	67876	City of Pleasanton	110008	6	Low pressure and limited fire flow in various sections of the distribution system.	Construct various system interties and install valves to improve distribution.	$2,100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	67876	City of Pleasanton	110008	3	Groundwater during the summer; customer complaints increased regarding hardness as well as complaints during other times of the year from dissoultion of CaC03 and colored water from corrosion.	Evaluate design and construct well head water softening facilities.	$15,000,000
0	C	67876	City of Pleasanton	110008	2	Surface water (treated) has higher quality , but due to the locations of turnouts do not allow for distribution of the higher quality water equally throughout the city.	Creat a looped water main system between turnout 5 and the City's existing 16" water main .	$700,000
0	C	67876	City of Pleasanton	110008	5	Premature failure of polybutylene services represent a service reliability problem to customers.	Replace polybutylene water services with polybutylene service pipe.	$24,000,000
0	C	68000	EAST VALLEY WD	3610064	6	The Southern California drought and the falling water table in the Bunker Hill Basin is requiring the East Valley Water District to lower the pump bowls at some of our locations.	The water table has been dropping over the last several years. The water table at this site has dropped 20 feet in the past year alone. The water table has reached a critical point of 45 feet above the pump bowels. This well may have to be put out of serv	$50,000
0	C	68000	EAST VALLEY WD	3610064	4	East Valley Water District (EVWD) currently has nine wells out of eleven in service that will exceed the future regulation of 6 ppb MCL for Perchlorate, and the detection level of 4 ppb. Three of the wells are plant 24B, 25 and 107. Well 24A which has a n	In order to meet current and future drinking water regulations East Valley Water District (EVWD) intends to construct Plant 152. Plant 152 would be disigned as a centralized groundwater treatment, blending and distribution facility. Groundwater from nearb	$24,772,000
0	C	72584	Placer CWA - Foothill	3110025	7	Water security improvements needed.	This project includes fencing and security improvements at several key water system facility sites. These sites include the Foothill Water Treatment Plant, the Sunset Water Treatment Plant, the Whitney Raw Water Reservoir, the Rocklin Road 1.0 MG Water S	$250,000
0	C	76000	City of Mountain View	4310007	12	The City's urban water plan needs to be updated.	Update urban water plan.	$45,070
0	C	76000	City of Mountain View	4310007	16	The City's existing control systems at the SFWD turnouts need to be replaced.	Design and construct upgraded system controls at three turnouts.	$130,000
0	C	76000	City of Mountain View	4310007	9	The City's telemetry system is obsolete and inaccurate.	Design and construct a replacement telemetry system.	$1,200,000
0	C	76000	City of Mountain View	4310007	5	Demolition of Bryant Elevated water tank.	Removal of Bryant tank with system modifications.	$150,000
0	C	76000	City of Mountain View	4310007	10	Certain smaller system components in the City's water system need to be replaced.	Replace these smaller water system components and make minor unscheduled improvements.	$458,000
0	C	76000	City of Mountain View	4310007	4	Demolition of storage reservoir.	Demolition and removal of pump station and reservoir.	$60,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	77513	Yorba Linda Water District	3010037	2	Presently the Well No. 15 water source exceeds the 10 parts per billion (ppb) arsenic primary drinking water standards. Currently, the 2-year average arsenic level of Well No. 15 is at approximately 16.42 ppb and marginally exceeds the 50 ppb secondary (a	The least expensive method of correction for these chemical contaminants is adsorption by Iron-based adsoption media contactors-granular Ferric Hydroxide (GFH). This project would require piping modification, building enclosure, monitoring equipment, elec	$760,000
0	C	77513	Yorba Linda Water District	3010037	3	The local water contains TDS and Manganese.	The purpose of this project is to design and construct a non-potable groundwater well near the Santa Ana Riverbed in the eastern service area of Yorba Linda Water District, YLWD. The water from this local resource would be used for irrigating landscaped s	$1,000,000
0	C	79959	Napa, City of	2810003	5		Since completing the Vulnerability Assessment in 2003, the City of Napa has implemented a number of security improvements within the water distribution system and at the treatment plants including security cameras, fencing, lighting improvements, and acce	$900,000
0	C	79959	Napa, City of	2810003	1	Lake Hennessey intake tower valves are old and in poor condition. One valve is broken open.	Rehabilitate or replace intake tower.	$700,000
0	C	79959	Napa, City of	2810003	6	BackgroundThe Jamieson Canyon Water Treatment Plant (JCWTP) has been unable to meet the Stage 1 Disinfectants/Disinfection Byproduct Rule (D/DBPR.) The source water for the JCWTP is North Bay Aqueduct water that is subject to episodes of high concentrat	The Jamieson Canyon Water Treatment Plant (JCWTP) serves 6 water systems in Napa County including the City of Napa, American Canyon, Yountville, St Helena, Calistoga and the Congress Valley Water District. The JCWTP is a critical facility to supply water	$7,400,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	5	Expand pipeline to use existing capacity of WTP	Replace transmission line	$5,000,000
0	C	80000	REDLANDS CITY MUD-WATER DIV	3610037	6	Source capacity is diminished by groundwater contamination	Design and construct new wells to replace source capacity	$5,000,000
0	C	84000	GOLETA WATER DISRICT	4210004	10	Improve the storage facilities	Recoat steel reservoir and reseal joints of concrete reservoirs.	$200,000
0	C	84000	GOLETA WATER DISRICT	4210004	6	Needs to improve storage capacity.	Construct a new reservoir in 230 Zone	$5,000,000
0	C	84000	GOLETA WATER DISRICT	4210004	9	Improve Goleta West Conduit line.	Repair damaged line and construct rip rap protection near creeks.	$150,000
0	C	84000	GOLETA WATER DISRICT	4210004	8	Upgrade treatment plant facilities for non hazardous operation.	Design and construct an alternative treatment method.	$150,000
0	C	92870	City of Westminster	3010064	8	Other system defects.Aging meters(over 20 years old)	Replace aging water meters with "Touch Read" technology meters to improve accuracy and efficiency.	$2,368,814
0	C	92870	City of Westminster	3010064	5	Other system defects.Old and out dated electrical panesl continually fail at well sites.	Replace old electrical panels.	$88,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	92870	City of Westminster	3010064	12	Other system defects. Replace inoperable fire hydrants in the water system to aid in the water quality flushing program.	Purchase 730 fire hydrants over a five year period to replace inoperable fire hydrants in the water system.	$511,000
0	C	100041	Padre Dam MWD	3710037	5		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$15,971,700
0	C	100041	Padre Dam MWD	3710037	7		Padre Dam Municipal Water District of Santee, CA requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. Padre Dam MWD i	$750,000
0	C	100041	Padre Dam MWD	3710037	4		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$14,932,700
0	C	100041	Padre Dam MWD	3710037	1	System deficiencies and upgrades of water system including pump stations, reservoirs, distribution and transmission lines, future water sources.	Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$7,896,800
0	C	100041	Padre Dam MWD	3710037	6		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$14,337,940
0	C	100041	Padre Dam MWD	3710037	3		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$21,777,700
0	C	100041	Padre Dam MWD	3710037	2		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	$12,241,500
0	C	103000	City of Daly City	4110013	1	Undersized main, inadequate reservoir capacity.	Install new main, pump station and reservoir.	$7,000,000
0	C	106879	BURBANK-CITY, WATER DEPT.	1910179	1	Reservoir #1 is 6.9 MG concrete reservoir with wood roof, constructed in 1928. The reservoir does not meet current structural codes, and the single inlet/outlet does not allow for thorough mixing to prevent nitrification episodes.	Demolish existing structure and reconstruct reservoir with the same capacity, meeting current codes and standards.	$9,000,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	8	Needs to improve distribution system.	Construct transmission main from 210 zone to 430 zone.	$3,200,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	2	Needs backup source and expand treatment plant capacity to meet water demand reliably.	Expand existing plant from 4 MGD to 8 MGD and drill/install new well.	$4,000,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	3	Needs to improve source capacity.	Drill new well in Mound Basin and treat at Bailey Plant.	$1,400,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	4	Needs to improve the distribution system for storage deficit.	Build new 2.1 MG reservoir in 260 Zone	$4,800,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	5	Needs to upgrade storage and distribution.	Construct two 2 MG reservoirs and new pipeline.	$6,500,000
0	C	107490	VENTURA WATER DEPARTMENT	5610017	6	Needs to improve storage capacity to meet storage deficit.	Design and build 1.0 MG reservoir	$2,000,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	107490	VENTURA WATER DEPARTMENT	5610017	7	Needs to improve the distributrion system storage demand.	Build 1600 LF of 14 inch pipeline and a 0.90 MG reservoir.	$1,600,000
0	C	108724	Mesa Consolidated WD	3010004	35	The District is only able to use 60% of their capacity at Reservoir No.1 due to water quality deterioration issues.	The District is proposing to conduct a study in order to determine the best solution for maintaing water quality and maximizing the use of their storage facility; subsequent to a solution being identified, the District would like to implement the solution	$825,000
0	C	108724	Mesa Consolidated WD	3010004	37	The District is unable to consistently meet the secondary MCL for color (15 CU) at Wells 7 and 8.	The District is proposing to install wellhead treatment to reduce the level of color in the wells.	$3,200,000
0	C	108724	Mesa Consolidated WD	3010004	36	The District currently uses customer hose bibbs for routine bacteriological sampling which increases the likelihood of a false positive.	The District would like to install 50 dedicated water quality sampling stations to have control of the upstream and downstream sample locations.	$30,000
0	C	111000	SANTA CLARITA WATER DIVISION	1910017	2	During periods of reduced rainfall, groundwater well levels within the eastern portion of our service area drop precipitously. This forces us to abandon well pumping in those wells until rain returns and the groundwater levels rise. The loss of this gro	The proposed project will develop a new, municipal groundwater well in the City of Santa Clarita. The proposed project involves three phases: (1) well drilling and construction, (2) pump development and testing operations and (3) construction of the well	$400,000
0	C	111000	SANTA CLARITA WATER DIVISION	1910017	1	Nitrate concentrations exceeded MCL at North Oaks to Sierra Well fields (4 Wells).	Install on-line nitrate analyzers at affected wells.	$400,000
0	C	113880	TORRANCE-CITY, WATER DEPT.	1910213	5	Color, taste, odor, TDS, and Bromide issues at Wells 7 & 8	Construct a Nano-filtration water treatment facility.	$6,923,000
0	C	115000	PALMDALE WATER DIST.	1910102	8	Inadequate storage for finished water from water treatment plant. (See Parsons Engineering Science, Inc. summary letter dated Sept. 4, 1996, Items 5 and 6 and Executive Summary of 1996 Water Master Plan).	Construct new 6.0 MG clearwell. Project involves: Design to solve problem, and Construction	$1,800,000
0	C	115000	PALMDALE WATER DIST.	1910102	9	Lack of capacity to move water from new 6.0MG clearwell into distribution system. (See Parsons Engineering Science, Inc. summary letter dated Sept. 4, 1996, Items 5 and 6 Executive Summary of 1996 Water Master Plan.)	Construct booster station at clearwell site to move water into 2800' and 2950' water systems. Project involves: Design to solve problem, and Construction	$1,500,000
0	C	115000	PALMDALE WATER DIST.	1910102	2	Loss of water diverted from Littlerock Reservoir as it passes through the mostly unlined Palmdale Ditch. (See Executive Summary of 1996 Water Master Plan, Items 5 and 6 on page ES-2.)	Line 400,000 sq. ft. of unlined portions of Palmdale Ditch. Project involves: Design to solve problem, and Construction	$2,800,000
0	C	115000	PALMDALE WATER DIST.	1910102	10	Area of substandard flows due to not fully being integrated into the District's water distribution system. (see Executive Summary of 1996 Water Master Plan.)	Construct piping and valving necessary to tie area into 3000' water system. Project involves: Design to solve problem and Construction	$100,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	115000	PALMDALE WATER DIST.	1910102	5	Outdated powder-activated carbon handling system at water treatment plant. (See Parsons Engineering Science, Inc. summary letter dated September 4, 1996, Item No. 8.)	Construct carbon hopper and loading facility. Project involves: Design to solve problem, and Construction	$350,000
0	C	138514	SCWA Laguna/Vineyard	3410029	1	General system improvement. Single water source.	Construct 72-inch, 140 million gallon pipeline and surface water treatment plant expansion.	$46,000,000
0	C	138514	SCWA Laguna/Vineyard	3410029	2	Single water source.	Design and construct 72-inch, 140 million gallon pipeline and 100 mgd surface water treatment plant expansion.	$1,800,000
0	C	138640	City of Orange	3010027	10	Pressure zone 370 which comprised of all the west side of the City is the earliest developed area in the City and therefore, equipped with older water infrastructures, such as production wells, reservoirs, main lines, pump stations, etc. The City of Orang	Currently, Well 28 is in the study and planning phase to determine the best suitable site. The well's capacity; however, has been decided to be of 3,000 gpm and is scheduled to begin construction in 2013. According to the City of Orange Water System Mas	$2,000,000
0	C	138640	City of Orange	3010027	8	The existing Marywood Pump Station was built in 1964 and is located on the south side of Villareal Drive East of Santiago Bl., West of Ridge Park Lane and is currently in use to pump water from pressure zone 2 (Res. 2) to pressure zone 3 (Res. 3). This p	The City of Orange Water Division has hired a consultant to conduct a feasibility study to determine the most cost effective option of replacing the existing Marywood Pump Station. Construction of the station is tentatively set for 2009-2010 and will inc	$450,000
0	C	138640	City of Orange	3010027	5	This important pump/drop facility locates at the northwest corner of Cannon Street and Santiago Canyon Road and is currently used to transport water between the City's 490 Zone and 736 Zone. An impending right turn lane is proposed and will require this	The scope of this project will include research/site survey, preparation of plans and specifications for construction of new piping, mechanical equipments, pump station, building, landscape, and site work. The design phase is currently underway and shall	$750,000
0	C	138640	City of Orange	3010027	4	This temporary pump station locates in the northeast quadrant of the City and is used to pump water from the City's pressure zone 3 to pressure zone 4 to serve a recent residential development called Serrano heights. This temporary station has two horizo	The scope of this project will include preparation of plans and specifications for construction of new piping, mechanical equipments, pump station, building, landscape, and site work. The design phase is currently underway and shall be completed by early	$750,000
0	C	138640	City of Orange	3010027	1	The existing water mains serving this area are undersized and in needed to be replaced with larger diameter mains to enhance the fire flow. Also, all of these pipes have shown signs of deterioration over the last few years because of the age (installed i	This projects primary goal is to replace the existing undersized and increasingly deteriorated water mains in the area. Approximately 5,620 linear feet of existing 4 and 6 cast iron pipes are to be replaced with 8 and 10 ductile iron pipes to meet t	$900,000
0	C	138640	City of Orange	3010027	3	The City of Orange Water System Master Plan, which was completed in 02/2007, indicated the need for a minimum of two new reservoirs by the year of 2030 to meet the future demand and more importantly is to mitigate shortages during emergency. The first re	The new Res 3A is proposed to be constructed next to one of the City of Orange existing reservoir (Res 3) mainly because there is enough room at this particular site. Res 3A, upon completion will help to alleviate the demand shortage during emergency by	$1,350,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	138640	City of Orange	3010027	9	The City of Orange Water System Master Plan, which was completed in 02/2007, indicated the need to install approximately 1 – 2 mile of new watermain annually to replace existing watermain within the system. Additional analysis performed by the City's Wat	The City of Orange Water Division had identified watermains in five areas that need to be replaced to address the concerns listed above. The total length of watermain in the five indentified areas is approximately 23,000 linear feet. For the year of 20	$1,100,000
0	C	138640	City of Orange	3010027	2	The City of Orange Water System Master Plan, which was completed in 02/2007, indicated the need for a new water well in pressure zone 370 to mitigate the deficient supply in the near future. Besides the addition of a new well will enable the Water Divisi	Tentatively, the new well (Well 27) is proposed in the northwest quadrant of the City (within pressure zone 370. Well 27 will have a minimum capacity of 2,500 gpm and is scheduled to begin construction in spring 2008. According to the City of Orange Wat	$1,700,000
0	C	138640	City of Orange	3010027	7	Currently, the water pumping into Reservoir 6 to serve the northeast area of the City is transported via a 16 in. watermain. This main, however, is reduced to 12 in. as it goes under the Cannon Street Bridge due to the limited space of the bridge deck.	Hydraulic analysis of the water system recommend that a 16 in. watermain to be installed in parallel to the existing 12 in. and that both to remain in services after installation of the 16 in. watermain. In addition to eliminate the bottle neck effect in	$450,000
0	C	138717	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	3	MODIFY CHLORINATION SYSTEMS (3 SYSTEMS) IN ORDER TO COMPLY WITH THE RMP. (CLEAN AIR ACT SECTION 112®)	PROVIDE CHLORINE SCRUBBERS TO 3 LOCATIONS.	$300,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	25	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-44 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	$1,000,000
0	C	144215	LOS ANGELES CO WW DIST 4 & 34-LANCASTER	1910070	28		This project is to construct a new well, Well No. 4-82, to replace Well No. 4-5. The new well will produce approximately 800 GPM and will be properly constructed to avoid penetrating the blue clay zone in the aquifers that contains high arsenic levels.	$1,247,000
0	C	146398	CITY OF HAYWARD	110006	33	Undersized water mains.	Replace with larger mains.	$795,000
0	C	146398	CITY OF HAYWARD	110006	47	existing water line impacted by CalTrans construction	Replace approximately 700 feet of 12-inch water lines at the Calaroga Avenue Overcrossing	$140,000
0	C	146398	CITY OF HAYWARD	110006	39	Inadequate water supply to meet the needs of a growing population.	Design and construct a new booster pump station off the 42" aqueduct.	$7,550,000
0	C	146398	CITY OF HAYWARD	110006	40	Insufficient emergency water storage in the 250 elevation zone.	Design and construct a 4.9 million gallon reservoir in the 250 elevation zone.	$7,165,000
0	C	146398	CITY OF HAYWARD	110006	34	Undersized water main.	Replace with larger main.	$1,600,000
0	C	146398	CITY OF HAYWARD	110006	37	Inadequate hydraulic capacity	Replace 16 inch pipeline with 30 inch pipeline.	$1,181,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	146398	CITY OF HAYWARD	110006	49	Inter agency water availability with adjacent water districts	Make required additions to the planned Hesperian Booster Pump Station	$625,000
0	C	146398	CITY OF HAYWARD	110006	38	Water system needs retrofitting where water mains cross the Hayward fault line.	Replace water mains and install special fittings.	$1,137,000
0	C	146398	CITY OF HAYWARD	110006	48	Inter agency water availability with adjacent water districts	Construct a pump station and approximately 1.5 miles of pipeline that would connect the EBMUD and SFPUC water systems in the event of an emergency	$15,750,000
0	C	146398	CITY OF HAYWARD	110006	35	65 year old water mains - hydraulic capacity. Inadequate	Replace mains.	$3,000,000
0	C	146398	CITY OF HAYWARD	110006	23	Prevent water loss at reservoirs during earthquake.	Install actuators, valve fittings and sentry units at reservoirs.	$320,000
0	C	146398	CITY OF HAYWARD	110006	32	Freshen stored water containing chloramine disinfectant.	Modify piping at four reservoirs, eliminating the single inlet and sewer line arrangement.	$1,300,000
0	C	146398	CITY OF HAYWARD	110006	25	Inadequate water supply.	Construct Booster Station off the 42 inch aqueduct.	$7,550,000
0	C	146398	CITY OF HAYWARD	110006	24	Provide an emergency water supply in case of cut-off from Hetch-Hetchy water system.	Construct emergency water supply groundwater well.	$1,450,000
0	C	146398	CITY OF HAYWARD	110006	31	Water reservoir has many paint blisters, exposing the underlying steel to corrosion.	Project to recoat the interior and exterior of the south Walpert tank	$500,000
0	C	146398	CITY OF HAYWARD	110006	28	Retrofit reservoir for seismic strengthening	Study and construct needed Enhan Cements	$255,000
0	C	146398	CITY OF HAYWARD	110006	29		Study and construct needed enhancements.	$390,000
0	C	146398	CITY OF HAYWARD	110006	30	Retrofit reservoirr for seismic strengthening	Study and construct needed enhancements.	$300,000
0	C	146398	CITY OF HAYWARD	110006	12	Insufficient emergency water wells in the event of interruption or reduction of water from SFWD	Install well, rehab well and construction of pump stations for both.	$1,263,000
0	C	146398	CITY OF HAYWARD	110006	26	Retrofit reservoir against earthquakes	Make various structural and piping modifications to Harden Reservoir.	$1,000,000
0	C	150253	Corona, City of	3310037	1	High TDS and NO3. High TDS has caused constrained on waste water discharge.	Desalination	$30,000,000
0	C	153647	SAN GABRIEL VALLEY WC - FONTANA	3610041	26	Fontana Water Company's Plant F17 occcupies an approximately 4.15-acre lot just east of the southeast corner of the intersection of San Bernardino and Cherry Avenues about two blocks north of the I-10 Freeeway in the City of Fontana. The plant is a primar	The proposed project will augment the existing 10-vessel perchlorate removal ion exchange system with an additional ten vessels dedicated to nitrate removal. Site grading will include mobilization and demobilization and cleanup. Portions of the site wil	$2,000,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	13	With the increasing water demand generated by changes in population, Pomona has had to secure additional water supply sources. To meet this need, the City has determined that additional pumping in the Spadra Basin is feasible. It is expected that this p	The project will have the following components: 1. Engineering and Design 2. Land Aquisition (Possible) 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, Etc., 5. Well Head Treatment 6. Construction of Housing for Well Head Treatmen	$6,700,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	10	Currently, the well has suffered from a collapsed shaft rendering the well inoperable. Attempts to salvage the well have been unsuccessful leaving no doubt but to abandon the well. There is land available in the immediate area where another well can b	The project will have the following components: 1. Existing Well Abandonment 2. Engineering & Design 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, etc., 5. Housing to contain equipment 6. Montoring & SCADA Installation.	$4,000,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	4	INADEQUATE SYSTEM STORAGE EXISTS FOR PEDLEY WATER FILTRATION PLANT	CONSTRUCT A 3.5 MG CIRCULAR CONCRETE RESERVOIR (RESERVOIR 9C)	$1,980,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	1	OLD STEEL WATER LINES ARE LEAKING AND POSSESS INADEQUATE FLOW	REPLACE PRIORITY "1" AND "2" LINES AS IDENTIFIED FROM THE 1992 WATER MASTERPLAN	$21,750,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	11	With the increasing water demand generated by changes in population, Pomona has had to secure additional water supply sources. To meet this need, the City has determined that additional pumping in Six Basins is feasible. It is expected that this project	The project will have the following components: 1. Engineering and Design 2. Land Aquisition (Possible) 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, Etc., 5. Well Head Treatment 6. Construction of Housing for Well Head Treatmen	$6,700,000
0	C	161257	POMONA - CITY, WATER DEPT.	1910126	12	Because of the high nitrate and perchlorate levels from Well 3, Well 7, Well 8 and Well 32, it is necessary to blend MWD water for nitrate and perchlorate treatment. As we move forward with the statewide drought it is expected that MWD supplies will be c	This project will have the following components: 1. Engineering and Design 2. Equipping of Electrical, Mechanical, Piping, Etc., 3. Well Head Treatment 4. Construction of housing for well head treatment and/or equipment 5. Monitoring & SCADA Install	$4,531,375
0	C	162064	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	15	San Gabriel Valley Water Company's (San Gabriel) Plant No. 8 lies within the South El Monte Operable Unit of the USEPA San Gabriel Valley Superfund. Perchlorate at half the DPH established MCL of 6 ppb and 1,4-Dioxane at 0.57 ppb. San Gabriel currently	Construct and operate a 5,000 gpm ion-exchange and advanced oxidaiton with ultra-violet light treatment facility to remove perchlorate and 1,4-Dioxane from Wells 8B,8C, 8D, and 8E at Plant No. 8. The funds requested would cover engineering, equipment, an	$5,534,700
0	C	166661	Moulton Niguel Water District	3010073	9	Decreasing chlorine residual in the distribution system reduces the water quality of the delivered drinking water.	Installing chlorination facilities at operational reservoirs which will increase or at least maintain the chlorine residual in the distribution system to improve the water quality.	$1,200,000
0	C	170000	Sacramento Suburban Water District	3410001	6	Replace well sources affected by chemical pollution.	Install wellhead treatment facilities to remove nitrate. Involves study, design and construction.	$2,250,000
0	C	170000	Sacramento Suburban Water District	3410001	13	In 2001, the Sacramento Suburban Water District (District) constructed the Antelope North Road Production Well and Pump Station (Antelope). The location of the well is near the Sacramento/Placer County Line west of Antelope North Road. The well is 18-	The District proposes to construct a second ground water well on the Antelope North Road well site. Based on the test hole data and analysis, the ground water aquifer characteristics under the existing Antelope Well site show the potential for a second w	$1,500,000
0	C	170000	Sacramento Suburban Water District	3410001	7	System is not large enough to supply water to additional customers.	Install water mains to serve entire area, replace private wells, and improve (increase capacity) wells. Involves design and construction.	$4,200,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	172701	ONTARIO, CITY OF	3610034	1		The current City of Ontario Water System Security Vulnerability Assessment (WSSVA) outlines renovations and upgrades that need to be made to all the City's water facilities to ensure the security of the City's water system. All well sites, reservoirs, pre	$1,200,000
0	C	173359	SAN BERNARDINO CITY	3610039	32	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments that are substandard for the current needs of the City of San Bernardino. Some of these are pipes with diameters varying in size from 1 inch to	An existing 4 steel pipe in F Street extends from 30th Street to 34th Street and needs to be replaced with a standard 8 ductile iron pipe. This pipe has been in service since 1924 (83 years in service). The total length of the pipe is 2,300 LF.	$400,000
0	C	173359	SAN BERNARDINO CITY	3610039	23		This project is located in the Lower Pressure Zone of the City of San Bernardino. A 24 pipe is currently located between a 42 pipe and a 36 pipe, which needs to be upsized to 42. The existing 24 pipe, therefore, causes a restriction in the flow of	$1,197,000
0	C	173359	SAN BERNARDINO CITY	3610039	24	The existing reservoir capacity in the College and Devil Canyon Pressure Zone of the City of San Bernardino is 8.1 MG (million gallons). The Water Master Plan of 2007 has identified the need for an additional 12 MG capacity in this pressure zone. Of thi	The College/Palm Zone, also known as 1720 Zone, is an important zone located in the northwestern area of the City of San Bernardino. This area is one of the two zones with the highest water demands and storage requirements. Construction of a 4 MG reserv	$4,000,000
0	C	173359	SAN BERNARDINO CITY	3610039	27	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Lower Presure Zone (also knkown as Zone 1249) of the City of San Bernardino. A 8 pipe is currently located between two larger pipes at the two ends. The existing 8 pipe, therefore, causes a restriction in the flow of wat	$768,000
0	C	173359	SAN BERNARDINO CITY	3610039	31	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments that are substandard for the current needs of the City of San Bernardino. Some of these are pipes with diameters varying in size from 1 inch to	An existing 4 steel pipe in Pershing Avenue extends from 27th Street to north of 29th Street needs to be replaced with a standard 8 ductile iron pipe. This pipe has been in service in 1924 (83 years in service). The total length of this pipe is 1,650	$287,000
0	C	173359	SAN BERNARDINO CITY	3610039	21	The existing reservoir capacity in the Terrace Pressure Zone of the City of San Bernardino is 2.4 MG (million gallons). The Water Master Plan of 2007 identifies the need for an additional 3 MG capacity in this pressure zone as Priority 1. Priority 1 is	The Terrace Pressure Zone, also known as 1312 Zone, is located at the south west area of the City of San Bernardino. Construction of a 3 MG reservoir requires finding an appropriate site to accommodate a reservoir of this size. Once an appropriate site	$3,250,000
0	C	173359	SAN BERNARDINO CITY	3610039	18	The existing pumps in this project are located in a buried vault deep in the ground. The facility is about 60 years old based on the needs of the time. Maintenance is costly and difficult. Current confined space regulations make it even more difficult	Existing pump station has a total capacity of 8,800 gpm pumping from a reservoir to a higher pressure zone with a static head differential of 167 ft. The project consists of removal of an existing vault roof slab and replacing it with a new slab designed	$1,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	173359	SAN BERNARDINO CITY	3610039	22	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized for the increasing current and future water demands. The Master Plan recommends that thes	This project is located in the Lower Pressure Zone of the City of San Bernardino. A 36 pipe currently is located along Medical Center Drive from Medical Center Reservoir to 2oth Street. The total length of this pipe is 2,700 LF. The Water Master Plan	$1,701,000
0	C	173359	SAN BERNARDINO CITY	3610039	30	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Mountain Pressure Zone (also known as 1633 Pressure Zone) of the City of San Bernardino. The project is located in Sierra Way between 40th Street and Sepulveda Street, for a distance of 2,700 LF. The existing 6 pipe is b	$486,000
0	C	173359	SAN BERNARDINO CITY	3610039	25		This project is located in the Lower Pressure Zone (also known as Zone 1249) of the City of San Bernardino. A 6 line is currently located between two larger diameter pipes at the two ends. The existing 6 pipe, therefore, causes a restriction in the fl	$960,000
0	C	173359	SAN BERNARDINO CITY	3610039	20	The San Bernardino Municipal Water Department has sixty six (66) water pumping facilities in its service area. These pumping stations pump water from lower pressure zones to higher pressure zones, when water demand in higher zones is more than the source	The Upper to Sycamore Zone Pumping Plant is located on 48th Street in the City of San Bernardino.The combined capacity of this pump station is 6533 gpm. The Master Plan recommends an additional pumping capacity of 1,606 gpm of additional capacity as Pr	$500,000
0	C	173359	SAN BERNARDINO CITY	3610039	26		This project is located in the Upper Pressure Zone (also known as Zone 1415) of the City of San Bernardino. The project is located in California Avenue between 30th Street to 19th Street for a distance of about 4,800 LF. A 6 pipe is located between two	$864,000
0	C	173359	SAN BERNARDINO CITY	3610039	29	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Elevated Pressure Zone (also known as 1383 Zone) of the City of San Bernardino. The project is located in Meridian Avenue between Baseline Street and Etiwanda Avenue for a distance of 2,900 LF. This pipe provides the link	$696,000
0	C	173359	SAN BERNARDINO CITY	3610039	28		This project is located in the Upper Pressure Zone (also known as Zone 1415) of the City of San Bernardino. The project is located in 16th Street between Medical Center Drive and Massachusetts Avenue for a distance of 4,200 LF. A 6 pipe is located betw	$756,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	173359	SAN BERNARDINO CITY	3610039	19	The San Bernardino Municipal Water Department has sixty six (66) water pumping facilities in its service area. These pumping stations pump water from lower pressure zones to higher pressure zones, when water demand in the higher zones is more than the so	The Upper to Mountain Pumping Plant is also referred to as Mountain Pump Station and is located on Electric Drive north of Northpark.The combined capacity of this pump station is 1,500 gpm. The Master Plan recommends additional pumping capacity of 2,00	$1,000,000
0	C	190800	Marin Municipal Water District	2110002	6	Insufficient potable water supply. Russian River supply is uncertain.	Build desalination plant to treat water from San Francisco Bay	$20,000,000
0	C	190800	Marin Municipal Water District	2110002	3	Lake stratification causes water quality problems.	Install an air compressor at Alpine Lake to eliminate or control the problems.	$250,000
0	C	191500	Otay Water District	3710034	1		Otay Water District, CA, requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The District serves 190,000 residents o	$2,500,000
0	C	191500	Otay Water District	3710034	2		The San Diego County Water Authority (SDCWA) Regional Interagency Security Cooperative requests an invitation to apply for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et. se	$20,000,000
0	C	200000	Contra Costa Water District	710003	11	Construct seismically sound raw water pump station and pipeline for system redundancy.	Construction of a parallel seismically sound pipline and pump station/	$12,100,000
0	C	200000	Contra Costa Water District	710003	5	Hazardous materials in reservoir caulking, including PCBs, lead and mercury require removal and disposal.	Remove and dispose of existing caulking from 10 treated water reservoirs and replace with new caulking.	$2,050,000
0	C	200000	Contra Costa Water District	710003	9	Relocate agriculture drainage channel to minimize contamination to the raw water quality.	Relocate the drainage discharge	$3,500,000
0	C	200000	Contra Costa Water District	710003	19	Low-head transmission line. Reranked to O from H (1/18/02)	Construct a 7300 foot of 24-inch diameter pipeline extending from the 24 inch main.	$2,752,000
0	C	200000	Contra Costa Water District	710003	14	Construct new raw water intake and pump station for water quality and volume improvement.	Construct a new intake 7 miles south of the existing intake.	$121,000,000
0	C	200000	Contra Costa Water District	710003	13	Encase two oil pipelines crossing the Canal to minimize potential contamination.	two pipelines will be retrofitted with new encased at the crossing locations.	$3,200,000
0	C	200000	Contra Costa Water District	710003	10	Construct in-line sedimentation basin to improve raw water quality in Canal.	Construct an in-line sedimentation basin near intake.	$1,000,000
0	C	200000	Contra Costa Water District	710003	12	Improve raw water conveyance facilities by repairing sections with potential landslide hazards.	Install culverts at two high potential slide locations and perform earthwork at one.	$1,800,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	201000	City of Huntington Beach	3010053	2	Color and odor problem in 8 groundwater wells	To provide cathodic protection of all applicable metalic pipelines in the City.	$5,000,000
0	C	291398	Riverside, City of	3310031	3	Water security improvements needed.	The City of Riverside (City) meets its water needs from 51 wells located in four groundwater supply basins: Bunker Hill, Colton, Riverside North and Riverside South and purchases only a small quantity of potable water from other sources. The Mill and Flu	$209,000
0	C	291398	Riverside, City of	3310031	4	The Utilities Operations Center (UOC) Campus in the City of Riverside (City), encompasses the center of operations of water and electric utilities for the City. It is located at the northeast corner of the intersection of Adams St. and Lincoln Ave. The s	The Utilities Operations Center (UOC) Campus in the City of Riverside (City), encompasses the center of operations of water and electric utilities for the City. It is located at the northeast corner of the intersection of Adams St. and Lincoln Ave. The s	$371,500
0	C	291398	Riverside, City of	3310031	6	Water security improvements needed.	This project is located near the intersection of Sixth Street and Pedley Road, in the City of San Bernardino, California. The City of Riverside (Riverside), the City of San Bernardino Municipal Water Department (SBMWD) and the East Valley Water District (	$45,500
0	C	316000	Irvine Ranch Water District	3010092	1	High manganese levels have caused operational problems and limited water production from the IRWD Irvine Desalter Project (IDP) Potable Treatment Plant (PTP). The current secondary MCL for manganese is 50 ug/L. PTP design information predicted the groun	The Manganese Removal Upgrades Project will enable the IRWD Irvine Desalter Project (IDP) Potable Treatment Plant (PTP) to evaluate treatment options, demonstrate improvements, and optimize facilities to meet drinking water standards, increase water produ	$2,000,000
0	C	324796	Alameda County Water District	110001	3			$1,000,000
0	C	324796	Alameda County Water District	110001	4	The PT Blending Facility experiences deficiencies in water quality and system reliability	Upgrade PT Blending Facility	$1,000,000
0	C	345556	City of Anaheim	3010001	5	Portions of the Orange County Groundwater Basin are contaminated with volatile organic compounds. One of Anaheims production wells, Well #14, contains low levels of trichloroethylene (TCE), tetrachloroethylene (PCE), and other chlorinated hydrocarbons t	Per the results of an economic feasibility study, this project would replace the two asphalt-lined, subterranean reservoirs with two 2MG fully enclosed, partially buried, prestressed concrete reservoirs. The new reservoirs would meet all current seismic	$5,000,000
0	C	345556	City of Anaheim	3010001	6		Intertie with the City of Buena Park:The City of Buena Park has no emergency interties and their 2005 Water Master Plan Study recommended several be installed. The proposed intertie between Anaheim and Buena Park water systems would be a two-way emergen	$600,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	414710	Eastern Municipal WD	3310009	47	Capacity of Perris WFP is currently 10 MGD, to meet system demands plant needs to be expanded.	Expand Perris WFP treatment facilities.	$10,000,000
0	C	414710	Eastern Municipal WD	3310009	53	video surveillance and event activated perimeter mointor system is needed at the District's Operations and Maintenance Center.	Installation of video surveillance and event activated perimeter mointor system at the District's Operations and Maintenance Center.	$250,000
0	C	414710	Eastern Municipal WD	3310009	58	Water security improvements needed.	Installation of remote event action video monitoring equipment and perimeter security systems are remote water distribution sites including treatment plants, pump stations, and reservoirs.	$750,000
0	C	998000	San Jose Water Company	4310011	1	Need to provide for the disinfection of groundwater to ensure compliance with the TCR.	Install hypochlorinators at 12 additional wellfields.	$1,500,000
0	C	998000	San Jose Water Company	4310011	5	Hosebibs used in sampling result in occasional false positives for total coliform.	Install 125 dedicated, lockable sampling stations.	$375,000
0	C	1256951	San Diego - City of	3710020	56	Convey water from the Alvardo WTP system to a portion of the Miramar WTP system, this pump station will allow the Alvarado WTP to support the Miramar WTP service area and free up capacity within the overall Miramar WTP system.	Construct a new water pump station with five 5-mgd pumps. Total pump station capacity will be 20-mgd. The pump plant will pump water from the Alvarado Zone to the Northwest Mesa Zone.	$5,426,000
0	C	1256951	San Diego - City of	3710020	54	Miramar WTP flow control facility requires upgrades to the facility and the treatment process to comply with regs. Continued increase in water demand due to pop. growth has required additional rehab.	Design and construct a new flow control facility to continue to meet the needs of the raw water supply to the Miramar WTP.	$8,000,000
0	C	1300000	East Bay MUD	110005	9	Reservoir Rehabilitation/Maintenance project recoat . To prevent continued structural degradation due to coating failures and to meet new regulatory requirements.	Ongoing project to inspect, recoat, and rehabilitate two to three distribution system steel reservoirs per year.	$12,900,000
0	C	1300000	East Bay MUD	110005	14	OP/Net System Improvements - Add monitoring devices into the OP.Net system. This allows for real time data on distribution system performance.	Add the following; 1, Chlorine residual, 2. Particle counting, 3. Water temperature, 4. Connectivity.	$1,000,000
0	C	1300000	East Bay MUD	110005	3	Distribution system pipeline network is deteriorating. System has a history of leaks which needs to be evaluated and repaired.	Replace deteriorating distribution pipelines.	$31,600,000
0	C	1300000	East Bay MUD	110005	4	Old regulators deteriorated undersized, unsafe for operating personnel and lack remote monitoring.	Modifications of standard regulators to improve the reliability of the distribution system.	$3,288,000
0	C	1300000	East Bay MUD	110005	5	CLAREMONT CENTER - Three pumping plants. Existing electrical facilities serving this site are obsolete and unsafe. Building structures are seismically inadequate.	CLAREMONT CENTER IMPROVEMENTS UPGRADE PUMPING FACILITIES, REPLACE OLD ELECTRICAL EQUIPMENT AND PUMPS.	$11,500,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	C	1300000	East Bay MUD	110005	6	Pumping Plant rehabilitation Project - deteriorated insufficient in capacity and are unsafe for operating personnel	Modification of substandard pumping plants to improve the reliability of the distribution system.	$2,179,000
0	C	1300000	East Bay MUD	110005	12	Sobrante Raw Water Pipeline Project - Recent failure to this pipeline are a result of the 1989 Loma Prieta earthquake. 1,000 feet of the pipeline indicated that 82% of the inspected welds in the pipe stell shell are defective.	Replacement of approximately 10,000 feet 60-inchs in diameter, from San Pablo reservoir to Sobrante reservoir,.	$7,470,000
0	C	1300000	East Bay MUD	110005	15	Orinda Treatment Plant Improvements/Filter Gravel Replacement - Media migration and loss. Two filters have been removed.	Rebuild filters and underdrain systems to correct problems associated with poor surface water filtration at Orinda WTP.	$1,700,000
0	C	1300000	East Bay MUD	110005	16	Distribution system has sources of bacterial concentrations - jeopardize compliance to the TCR.	Replace Redwood tanks which have historically been sources of high bacterial concentrations with steel tanks. Install reservoir sampling and on-site treatment/disinfection facilities. Install chlorine residual and conductivity monitoring system.	$8,800,000
0	C	1300000	East Bay MUD	110005	30	Emergency intertie among 4 agencies. SFPUC, City of Hayward, Alameda County Water District and East Bay MUD	Emergency intertie among 4 agencies.	$10,000,000
0	C	1300000	East Bay MUD	110005	2	To ensure the integrity of the public water supply against microbial contamination.	Purchase and install combination meter/backflow devices for residential customers that have wells and also purchase backflow prevention devices for hydrant meters used by contractors obtaining water during construction.	$1,338,000
0	N	25	Almanor Heights MWC	3200139	2	Fifty year old 4 steel pipe watermain and one-4 fire hydrant are aged and need to be updated for improved domestic water supply and provide required fire protection.	Installation of 1347 of 8 PVC pipe, retirement of 1347 of 4 steel pipe plus installation of one 6 dry barrel fire hydrant. This project will also include six 8 gate values and three 6 hydrant controls plus pavement cutting and replacement. This pro	$162,751
0	N	25	Mt. Madonna County Park	4300612	1	Unable to monitor water usage, implement water conservation, manage watershed, etc.	Install two water meters at wells.	$10,000
0	N	25	Malakoff Diggins SHP	2910300	2	Currently the Malakoff State Historic Park main water line runs from the Derbec Well storage tank to the town of North Bloomfield. The line has numerious leaks and cracks in it. We are repairing it on a weekly basis and it will soon have more patches on	We would like to replace the waterline running through Malakoff Diggins State Historic Park to stop water loss from the pipe. We propose to run the pipe in the same location as it is right now from the upper park water storage tank to the lower town tank	$350,000
0	N	25	Uvas Canyon County Park	4300616	2	Unable to monitor water usage & demand, detect leaks, implement conservation program, etc.	Install water meters in system.	$10,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	N	25	STELZER COUNTY PARK	3700011	1	Louis A. Stelzer has a history of bacterial contamination possibly under the influence of surface water. Close proximity to a seasonal creek with developed population upstream. August 30, 2006 a Boil Water Order with Compliance Order was given.	The existing source (well) is within 20 feet of a seasonal creek with a developed population upstream. A new source (well) needs to be drilled at least 100 or within acceptable well standard distances from the potential influence of the seasonal creek th	$300,000
0	N	25	Malakoff Diggins SHP	2910300	1	Currently, the Derbec Well which provides water for Malakoff Diggins State Historic Park is located in a well shed just off of Derbec Road. This shed contains the well, chlorination equipment and 2 diesel generators. These generators provide power to th	We would like to construct a new 2 new buildings to house the well site to seperate the generators from the Derbec Well head. We would build one shed that would house the well head and needed electrical panels. The second shed would house the 2 new gene	$200,000
0	N	29	COUNTRY INN, THE	2800683	1	Need back-up well or additional storage and treatment for hard water.	Install back well or additional storage and treatment for hard water.	$40,000
0	N	34	APPLEGATE INN	3103279	1	Low capacity for existing users. Expansion NOT covered by SRF	Expand water system	$50,000
0	N	100	CAMP JOE SCHERMAN	3301097	1	The water system is in need of proper level monitoring equipment for two tanks and three wells that feed the system. A monitoring would greatly assist in water conservation through observing aquifer levels and usage. The system would greatly benefit from	The water provides drinking, living, and irrigation water for Girl Scouts who reside on the property throughout the year and the maintenance staff (two live on site) who work there. Approximately 4500 Girl Scouts and others stay on the property over the y	$85,000
0	N	100	Joseph Grant County Park	4300737	1	Unable to monitor water usage & demand, detect leaks, implement water conservation measures, etc.	Install water meters in system.	$10,000
0	N	100	Kentucky Mine and Museum	4600093	1	Sporadic coliform present addressed in compliance order #01-02-02 (0) 005. System states inadequate source and distribution system.	Design and improve spring at portal, reconstruct distribution apparatus, construct new distribution line, install tank liner.	$115,000
0	N	100	Sawyers Bar County Water District	4700517	2	Jessup Gulch is only source during summer and is in forested area. If forest fire occurred, it would make Jessup Gulch unuseable.	Rehabilitate existing well next to Salmon River and make emergency backup source.	$19,340
0	N	100	DENNISON PARK	5601701	1	Dennison Park's water distribution system has been inplace since the early 1920's. In those days a natural spring provided the water. Later on a water well located on a property adjacent to the park's southwest corner became the source for the park. In	This project consists of replacing the original water well distribution system, approximately 2,300 l.f. of existing galvanized water distribution main line and fittings with the same amount of PVC Class 150 water distribution lines and fittings with a hy	$118,900
0	N	125	BIG ROCK CREEK CAMP	1900008	1	FUNDING FOR EXPANSION	FUNDS WOULD BE USED TO MAKE SYSTEM OPERATIONAL.	$450,000
0	N	138	ELKHORN BOAT LAUNCH [a]SWS[3]	3400123	1	Well deficiencies need correction.	Replace existing chlorination system.	$10,000
0	N	160	CAMP SEQUOIA/GAINES WATER SYS	1000130	1	Experiencing low production from well - insufficient at times to supply adequate quantities of water.	Drill new well and tie it in to existing system.	$20,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	N	225	BSA-Camp Fleischman W.S.	3200076	1	Aging water system needs weekly repair because of age, wear, and weathering.	Replace water transport line and storage tank.	$250,000
0	N	250	De Benneville Pines Inc	3600534	2	Refinance reservoir repairs	Refinance reservoir repairs	$15,000
0	N	250	De Benneville Pines Inc	3600534	3	Existing well is inaccessible and unable to be upgraded or maintained	Drill a replacement well	$30,000
0	N	300	HUNTINGTON PINES MUTUAL	1000051	1	WE ONLY HAVE ONE WELL WHICH FEEDS INTO OUR DISTRIBUTION LOOP. HILLSIDE LOCATION WITH 100,000 GAL. STORAGE TANK AT TOP, WELL APPROX. 1/2 WAY DOWN HILLSIDE.	DRILL SECOND WELL FOR BACK-UP. DISCONNECT WELLS TO DISTRIBUTION SYSTEM AND CONNECT THEM TO THE STORAGE TANK	$35,000
0	N	300	Oakland Feather River Camp	3200019	1	Oakland Camp faces numerous problems in delivering quality drinking water due to a low-performing well, a poorly retrofitted treatment plant and a deficient, decrepit distribution system which have foregone even routine maintenance for over a decade.	The project is only in the conception stages at this point since money is not currently available to do any of the work. If funded, the project requires study of all aspects of the system to install an adquate system to meet needs of the camp. Throug	$1,000,000
0	N	312	LOWER LINE CREEK IMPRVMNT ASSN	1000080	2	Lowe Line Creek Imporvement Association sets in the Sierra Nevada mountains. This association is 54 cabins and services 312 people through out the year. The water system being used is that of origional stature put in about 50 years ago. The pumps for the	We currently have 1 main pump control station as well as two seperate pump houses. Both pump 1 & 2 need to be replaced or updated. The housing for both pumps need to be re-built. Due to climate and snow the pump houses must be winterized and to prevent fr	$174,620
0	N	10000	EBRPD - Del Valle Regional Park	105010	1	The Del Valle Water Treatment Plant is very old, fragile and requires renovation. Recent and periodic turbidity spikes of the finished water have exceeded state water standards of 0.3 NTU's. The elevated turbidity levels result in concern over adequate di	The Del Valle Water Treatment Plant currently utilizes conventional filtration to render potable water supply for a very popular park in Livermore. This project will install appropriate equipment utilizing membrane filtration technologies (either ultra or	$1,500,000
0	N	10000	GIBSON RANCH COUNTY PARK	3400297	1	No backflow devices on wells. Double check valve does not meet standards. Chlorine gas storage unit is in noncompliance.	Upgrade wells' double check valves, install new backflow preventers, and replace chlorine gas treatment to liquid Hypochlorite treatment.	$25,000
0	P	25	PETE JOHNSTON GM	4000692	1	Needs to improve source and storage facility.	Replace tanks, replace well liner and install ozone system	$10,000
0	P	30	PEARCE, JEFF H 39-40	3901354	1	Shallow well with high nitrates.	Drill new well with deep grout seal, new distribution lines.	$19,000
0	P	40	Lassen County Service Area No. 2	1805001	1	construct new water lines	construct new water lines	$1,213,589
0	P	44	SUPERIOR MUTUAL WATER COMPANY	1503209	1	Current system is in need of a backup well and tank.	Company needs to purchase a well & tank to tie in with current system as a backup well.	$300,000
0	P	50	Hansen Roofing Tile	4810016	1	Surface water source with filtration treatment deficiencies.	Purchase and installation of State approved point of entry water treatment devices for every business and 1 residence or purchase of water treatment capacity from City of Fairfield.	$300,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	60	Turning Point Mother-Infant Program	1502181	1	Turning Point Mother/Infant Program Water System has only well. Therefore, the water system is unreliable.	As part of this project, Turning Point Mother Infant Program will drill a second well.	$200,000
0	P	60	TEHACHAPI VALLEY UNITED METHODIST CHURCH	1503350	1	Tehachapi Valley Unified Methodist Church water system has only well. Therefore, the water system is unreliable.	As part of this project, Tehachapi Valley Methodist Church will either drill a second well or develop an intertie with Golden Hills CSD.	$500,000
0	P	70	Saint Anthony Farm	4900944	1	Water system includes dairy tank with large production demand that causes wide swings in Cl2 residual	Separate the dairy tank from the potable system & install new Cl2 equipment	$10,000
0	P	70	El Camino Pines Lutheran Church	1503558	1	El Camino Pines Lutheran Church has only well. Therefore, the water system is unreliable.	As part of this project, El Camino Pines Church will either drill a second well or develop an intertie with the neighboring Lake of the Woods MWC.	$250,000
0	P	75	CAMP CONDOR	1502307	1	The system uses spring box water. During dry years, water quits flowing. This water is more susceptible to bacteria.	An old well and pump existed many years ago on the property. West Side Recreation and Parks District would like to update the pump, well, and run a new water line to the existing tank.	$85,000
0	P	85	STOCO MUTUAL WATER COMPANY	1500517	1	This system needs the following items according to Boyle Engineering's Report (March 2007)Water Storage TankBooster PumpsWell Pump RetrofitMiscellaneous Piping (6-inch)6-inch Resilient Seated Gate ValveMagnetic Flow Meter5/8" Water MetersBack - up Generat	Water Storage Tank - System does not meet the fire flow requirements set forth in the Kern County development standards - (System has pressure tank only)Booster Pumps (excluding cement pads)Well Pump RetrofitMiscellaneous Piping (6-inch)6-inch Resilient S	$525,000
0	P	100	WALKER CREEK RANCH EDUCATIONAL CENTER	2100545	1	To develop additional source capacity, should drought conditions threaten current sources. Also to identify problems / leaks in storage and distribution system and repair / repalce components as needed to minimize water loss in storage and distribution sy	Monitor levels and flow rates of current sources (two wells), and be prepared to drill additional wells to suppliment and replace current sources, should they dry up.Also conduct tests and monitoring of distrubtion of storage system to identify sources of	$250,000
0	P	100	LINNS VALLEY SCHOOL	1502163	1	Linns Valley School has only well. Therefore, the water system is unreliable.	As part of this project, Linns Valley School will either drill a second well or develop intertie with Linns Court Mutual Water Company.	$500,000
0	P	100	AGBAYANI VILLAGE WATER SYSTEM	1500518	1	Agbayani Village Water System only has one well. Therefore, the water system is unreliable.	As part of this project, Agbayani Village would either develop a second source of supply or develop intertie with City of Delano.	$500,000
0	P	119	TEHACHAPI CHURCH OF THE NAZARENE	1502753	2	Tehachapi Church of the Nazarene has only well. Therefore, the water system is unreliable.	As part of the project, the Tehachapi Church the Nazarene will drill a new well or develop intertie with City of Tehachapi.	$500,000
0	P	130	TUSD - MONROE HIGH SCHOOL	1502691	1	TUSD-Monroe High School has only well. Therefore, the school water system is unreliable.	As part of this project, the school will drill a new well.	$200,000
0	P	200	CAMP JONES GULCH	4100538	1	Inadequate supply.	Drill a new well to increase the recovery time and volume of the system.	$20,000
0	P	200	Geyserville Educational Park	4900705	1	Delapidated chlorination system	Replace chlorinator	$60,000

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Bonus	Type	Pop	Water System Name	Project Number		Problem	Project Description	Cost
0	P	227	TOMALES HIGH SCHOOL	2100538	1	Old tanks and poor treatment system	Replace tank and treatment system	$250,000
0	P	240	DI GIORGIO SCHOOL WATER SYSTEM	1502068	1	Existing well is not producing probably because perforations have been closed off. well originally drilled in 1949.	No water for public school. Must drill new well.	$150,000
0	P	240	DI GIORGIO SCHOOL WATER SYSTEM	1502068	2	Di Giorgio School has only one well. Therefore, the water system is unreliable.	As part of this project, the Di Giorgio School will either drill a second well or develop intertie with Arvin CSD.	$500,000
0	P	250	WARNER UNIFIED SCHOOL DISTRICT	3701010	1	Currently we have well #2 off line at this time due to being too old andnot being able to have improvements done on this well. We have only1 potable system at this time at our district. We are in need of anotherwell due to the fact that if our curre	Well #2 will have to be removed. Hopefully a new one will be installed at a different location due to the fact that we have a permanent housingfor our animals on the campus currently as well. If installed in the same location this could be problematic	$100,000
0	P	290	KERN VALLEY COURTS COMPLEX	1502756	1	Kern Valley Courts Complex has only one active well. Therefore, the water system is unreliable.	As part of the project, kern Valley Courts Complex will either drill a new well or develop intertie with CWS-Lakeland system.	$500,000
0	P	350	DILLARD ELEMENTARY SCHOOL	3400254	1	Old and outdated plumbing. Outdated backflow prevention device. Multiple unneeded cross-connections	Replace and streamline plumbing. Replace backflow prevention device.	$12,500
0	P	400	BITNEY SPRINGS LLC WATER SYSTEM	2900563	1	Failing water storage tanks, poly tanks are cracking and may fail at any time	Replace two 10,000 gallon poly tanks, or construct new steel tank on site	$50,000
0	P	500	Field Sports Park/Mariposa Lodge/Coyote	4300937	1	Source protection needed. Also, meters need to be installed.	Construct structure at well site and install meters to FSP and Mariposa.	$10,000
0	P	650	EL TEJON ELEMENTARY SCHOOL	1502074	1	El-Tejon Elementary School has only well. So, the water system is unreliable.	As part of this project, El Tejon School will either drill a second well or develop intertie with Lebec County Water District	$500,000
0	P	750	Mendocino School District-Mendocino	2300584	1	Project DescriptionReplace an aging and inadequately sized domestic water system for the Mendocino Unified School District. The current system is not reliable and does not meet requirements for water pressure. Existing Water SystemMany of the schools	Proposed new SystemThe current water system must be abandoned and replaced with a new system. The new system provides over a mile of new piping including new 12 inch, and then reduced to 10 inch, piping from the well site to the schools. The new line w	$1,889,750
0	P	887	RIO BRAVO GREELY SCHOOL WATER SYSTEM	1502229	1	Rio Bravo Greely School has only one well. Therefore, the water system is unreliable.	As part of this project, Rio bravo Greely School will drill a second well or devlop an intertie with vaughn Water Company.	$500,000
0	U	25	Monson Area Water Supply Study	541	1	The unincorporated Tulare County community of Monson is not currently served by a public water system. Residents of approximately 25 homes	The community of Monson currently obtains its potable water from private, domestic wells. Voluntary testing of twelve wells within the community was recently completed.	$300,000

Total Projects for 'Category' = (1443 Projects) **Total Costs for Category:** ***$3,488,243,323*** **Total Population served in Category:** ***75,859,298***

Total Projects for all 'Categories' = (4186 Projects) ***Grand Total*** ***$8,625,781,098***