

August 31, 2007

From: Tom Pavletic, Municipal Financial Services
Jim Yost, West Yost Associates

To: Bob Weir, City of Davis Public Works Director
Gary Wegener, City of Woodland, Public Works Director

Subject: Davis-Woodland Water Supply Project - Evaluation of Funding

PURPOSE OF MEMORANDUM

The purpose of this memorandum is to: 1) describe the methodology used to evaluate different water supply project alternatives; and 2) present findings that will provide the City representatives and rate payers a general idea of the amount and timing of water rate increases that would be required for the City of Davis and the City of Woodland to fund the different water supply project alternatives.

LIST OF WATER SUPPLY PROJECT ALTERNATIVES

The cities sought review of the following water supply project alternatives:

- Alternative 1: Regional treatment of surface water without grant funding
- Alternative 2: Regional treatment of surface water with grant funding
- Alternative 3: Regional brine disposal and independent ground water wellhead treatment for each City without grant funding

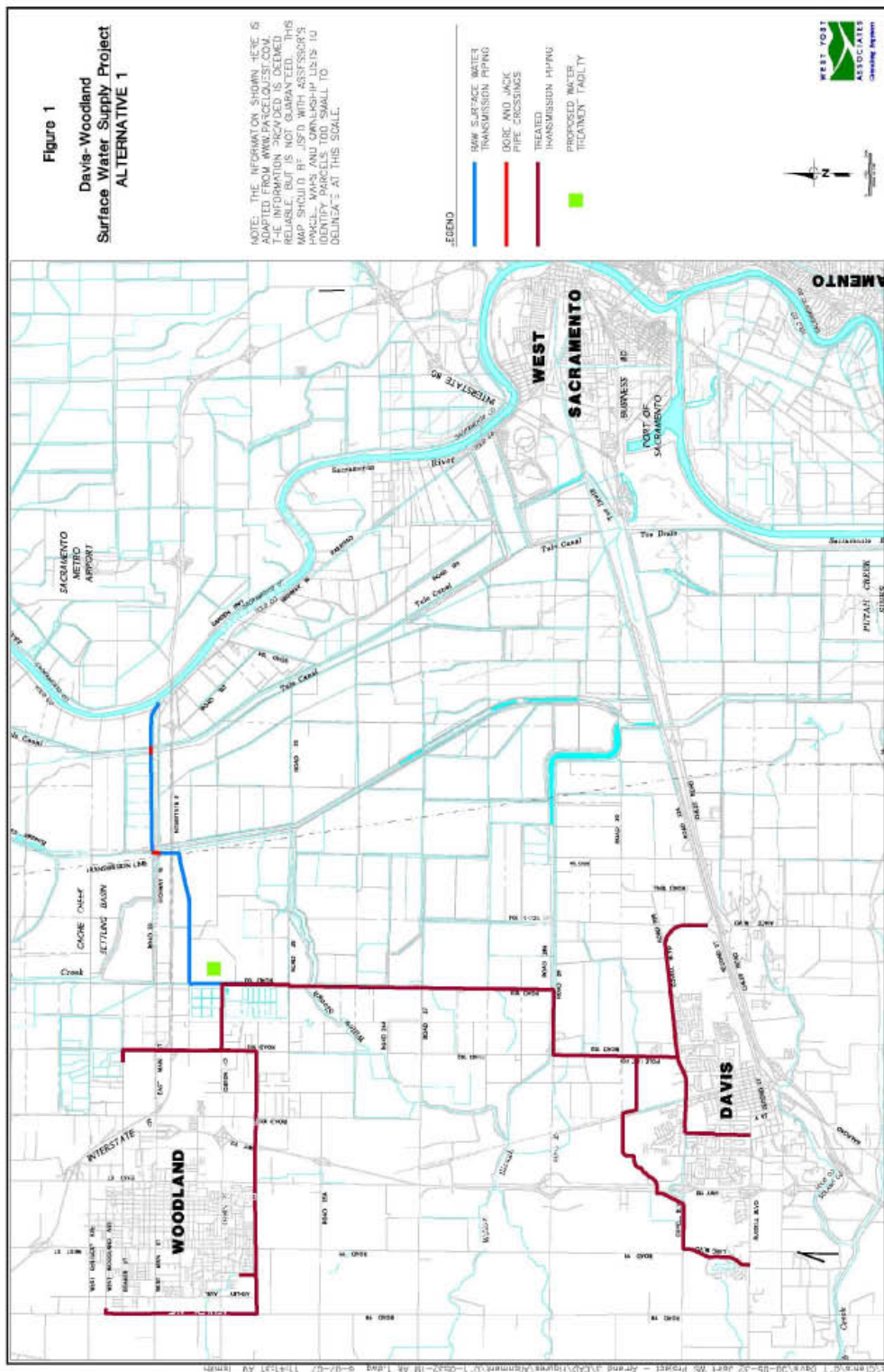
Alternative 1 is described in detail in the memorandum. All tables in appendices A - D are related to Alternative 1. Alternatives 2 and 3 and rate information for those alternatives are summarized in tables and figures included within the text.

BACKGROUND

The City of Davis (Davis), the University of California at Davis (UC Davis), and the City of Woodland (Woodland), collectively referred to as the Project Partners, are investigating a surface water supply for use within each of the Project Partners' service areas to meet their respective water supply needs through 2040. New surface water supplies would become the Project Partners' primary water supply while peak demands would be met by local groundwater supplies.

Figure 1 shows the regional water treatment plant located near the City of Woodland and adjacent to County Road 103. The untreated surface water transmission piping is depicted in blue and connects the Sacramento River Intake Structure to the regional water treatment plant. Treated water transmission piping is shown connecting the water treatment plant with each City's distribution piping.

Figure 1. Regional Treatment and Transmission Facilities



The Davis-Woodland Surface Water Supply Project (Project) would acquire a new surface water supply from the Sacramento River using a new water intake/diversion facility, untreated and treated-water conveyance pipelines, and a new water treatment plant (WTP). Surface water diverted from the Sacramento River would consist of water appropriated for use by the Project Partners and water purchased from upstream users with senior water rights. Local groundwater would continue to be used for meeting peak daily demands from May to September, and would be used at a substantially reduced rate than current usage. Project objectives include:

- Improving drinking water quality
- Reducing salt, selenium, and boron loads in wastewater discharges
- Improving water supply reliability

SUMMARY OF ALTERNATIVE 1 PROJECT COSTS

West Yost Associates projected the capital and operating costs for the Davis-Woodland Surface Water Supply Project. Costs were projected for the following items:

- Legal
- Environmental
- Engineering
- Financial
- Land/Right of Way
- Construction
- Water Rights and Purchases
- Contingencies
- Regional Facility Operations

Projected capital and operating costs were developed separately for the regional facility and for local facilities. The development of project costs is summarized in this section and is shown in tables included in Appendix A.

Table A.1 provides the construction cost estimates for regional and local facilities associated with the Water Supply Project. The construction cost estimates are in current (2006) dollars. Project costs other than construction costs were developed as a percent of construction costs or as separate estimates. Table A.2 contains the percentage of construction costs used to develop engineering costs.

Projected regional capital costs were allocated among the three participants according to the amount of water supply capacity that each participant would receive from the project. The percent allocation of costs between partners for the various categories of costs is shown in Table A.3.

Table A.4 lists all regional and local costs for each category of costs in current (2006) dollars for the 14-year period from FY 06/07 through FY 19/20. By the end of FY 15/16, the regional and local facilities are expected to be complete and operational.

The costs listed in Table A.4 were escalated to account for the impact of inflation and are shown in Table A.5 (nominal dollars). The costs for FY 07/08 were escalated by 7 percent. Costs for each subsequent year are the previous years' amount escalated by 5 percent. As an example of

the impact of cost inflation, regional construction costs in FY 14/15 shown in Table A.4, \$51,566,333, were escalated by 50.6 percent (7 percent for the first year, FY 07/08, and 5 percent per year for the next seven years) and are shown in Table A.5 as \$77,638,140.

The total projected costs shown in Table A.5 were allocated to each participant based on the percent allocations shown in Table A.3. Tables A.6 – A.8 list all regional and local costs for each participant for each category of costs in escalated dollars for the 14-year period from FY 06/07 through FY 19/20. Costs for the City of Davis are shown in Table A.6, costs for the City of Woodland are shown in Table A.7, and costs for the University of California at Davis, are shown in Table A.8.

Projected capital costs from Table A.5 are summarized in Table 1 below (operating costs are not included in the table). Regional and local costs for each participant are shown in Figure 2. Regional cost components are shown in Figure 3.

Table 1. Regional and Local Surface Water Supply Capital Project Cost Summary

Cost Category	Davis	Woodland	UC Davis	Total	% of Total
Regional ⁽¹⁾					
Legal	\$556,519	\$653,305	\$43,554	\$1,253,377	0.41%
Environmental	\$103,700	\$121,740	\$8,120	\$233,560	0.08%
Engineering	\$18,762,240	\$17,566,740	\$1,466,990	\$37,795,970	12.46%
Financial	\$99,850	\$99,850	\$0	\$199,700	0.07%
Land/RW	\$1,337,310	\$712,010	\$104,650	\$2,153,970	0.71%
Construction	\$113,214,670	\$103,346,240	\$8,860,260	\$225,421,170	74.28%
Water Rights	\$3,913,760	\$4,594,410	\$306,290	\$8,814,460	2.90%
Contingencies	\$13,798,000	\$12,709,000	\$1,078,000	\$27,585,000	9.09%
Total Regional	\$151,786,049	\$139,803,295	\$11,867,864	\$303,457,207	100.00%
Percent of Total	50.02%	46.07%	3.91%	100.00%	
Local ⁽²⁾					
Engineering	\$6,816,000	\$7,067,000	\$1,251,000	\$15,134,000	11.91%
Construction	\$45,203,771	\$46,861,243	\$8,287,358	\$100,352,372	79.00%
Contingencies	\$5,202,000	\$5,393,000	\$954,000	\$11,549,000	9.09%
Total Local	\$57,221,771	\$59,321,243	\$10,492,358	\$127,035,372	100.00%
Total Regional and Local	\$209,007,820	\$199,124,537	\$22,360,222	\$430,492,579	
Notes:					
1. Regional project components include:					
a. the regional intake facility					
b. the conveyance pipeline from regional intake facility to the regional treatment plant					
c. the regional treatment plant					
d. the conveyance pipe from the regional treatment plant to the Davis and Woodland service areas					
e. purchase of water rights					
2. Local refers to improvements associated with implementaton of the Water Supply Project					
in the service area of each participant. Local projects are not for replacement of the existing water systems.					

Figure 2. Regional and Local Project Cost Summary

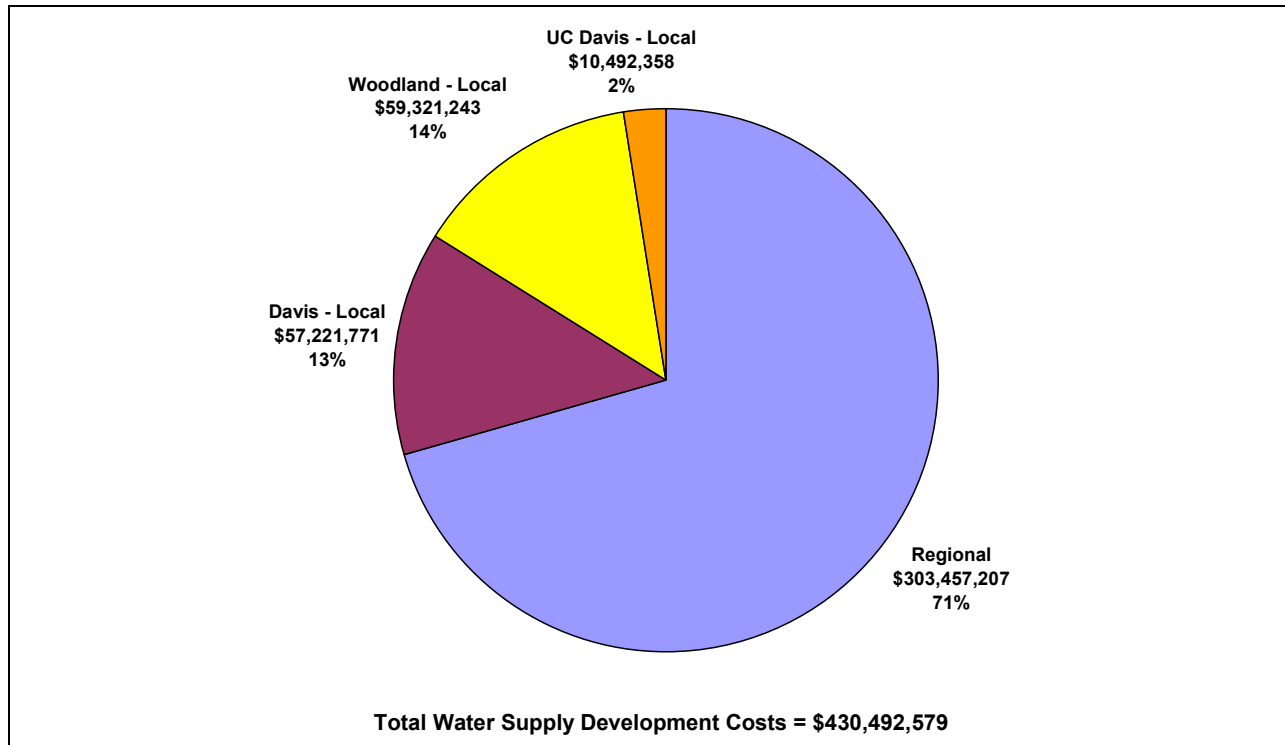
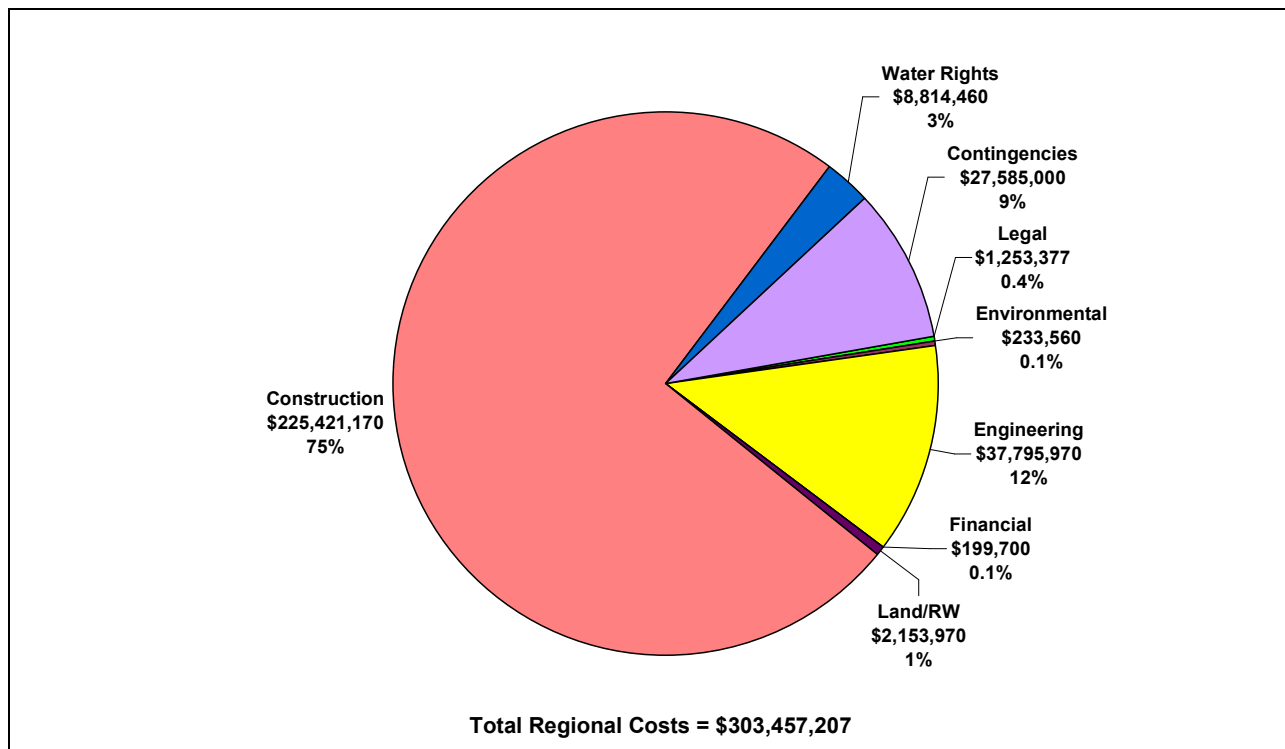


Figure 3. Regional Projects Cost Detail



ALTERNATIVE 1: REGIONAL CAPITAL PROJECT FUNDING FOR SURFACE WATER SUPPLY PROJECT WITH NO GRANT FUNDING

The development of a funding approach for regional facility capital costs is summarized in this section and is shown in tables included in Appendix B. Table B.1 (and Table 1, above) lists the regional capital costs by cost component (construction, engineering, etc.) for each participant. Table B.2 shows the same total costs by participant and fiscal year. Approximately 93% of the capital costs are projected to be incurred during the four-year period FY 11/12 – FY 14/15. The remainder of the capital costs are projected to be incurred between FY 06/07 and FY 10/11 and in FY 15/16.

Capital costs incurred in FY 12/13 – FY 14/15 (three years or approximately 89% of the total regional capital costs) are projected to be funded by the issuance of debt as shown in Table B.2. The debt service would be allocated to each participant in proportion to their share of the regional capital costs. Other capital costs unique to each participant (local capital costs and replacement capital costs) are assumed to be funded according to the needs of each participant.

Debt issuance assumptions are listed below:

- Construction costs to be funded are in nominal dollars
- Issuance costs are 2 percent of the construction costs
- Interest rate of 5 percent
- Term of 30 years
- Biannual payments

The annual debt payments (principal and interest) and the allocation of payments to each participant are shown in Table B.3 for FY 12/13 (the year of the first debt payment) through FY 44/45 (the year of the final debt payment). The approach to funding regional capital costs is summarized in Table 2 below. The pay-as-you-go amounts and annual debt service payment amounts are reflected in the cash flow requirements for the City of Davis and the City of Woodland and are described in subsequent sections of this memorandum.

Table 2. Regional Capital Cost Funding by Participant

Participant	Total Project		Source of Funds			% Debt Funded	Debt Service FY 12/13 - FY 44/45
	Percent Allocation	Total Cost	\$ Pay-as-you-go	\$ Grant Funded	\$ Debt Funded		
Davis	50.02%	\$151,786,049	\$16,146,789	\$0	\$135,639,260	89.36%	\$267,766,620
Woodland	46.07%	\$139,803,295	\$15,690,285	\$0	\$124,113,010	88.78%	\$246,627,776
UC Davis	3.91%	\$11,867,864	\$1,254,964	\$0	\$10,612,900	89.43%	\$20,936,165
Total	100%	\$303,457,207	\$33,092,037	\$0	\$270,365,170	89.09%	\$535,330,561
% of Total		100%	11%	0%	89%		

Note: The total cost for UC Davis is shown as funded in the same manner as for the cities. The funding method actually selected by UC Davis may differ from that shown above but would have no impact upon the other participants.

ALTERNATIVE 1: CITY OF DAVIS FUNDING APPROACH

The impact of the Davis-Woodland Surface Water Supply Project costs allocated to the City of Davis upon the City’s water rates is described in this section. The approach used to quantify the impact is summarized in the following steps:

- Project expenditures for the existing water system and proposed surface water supply project
- Project revenues from bond proceeds and other non-rate sources.
- Select water rate increases that 1) maintain a positive fund balance during the study period; 2) maintain a debt coverage ratio of 1.25; and 3) yield a FY 19/20 ending fund balance equivalent to the FY 06/07 fund balance in escalated dollars.

Tables that detail the projection of expenditures, revenues and water rate increases for the City of Davis are included in Appendix C.

Projected expenditures for local facilities (facilities required as part of the Davis-Woodland Surface Water Supply Project that are not regional facilities and are thus the sole responsibility of each respective participant) and for replacement of existing facilities were developed. Projected expenditures for local facilities for the City of Davis are shown in Table A.6. Projected expenditures for replacement facilities were provided by the City and are shown in Table C.1.

Table C.1 shows projected capital costs for local and replacement capital facilities by fiscal year. Approximately 48% of the capital costs for local facilities are projected to be funded by debt. Approximately 48% of the capital costs for replacement facilities are projected to be funded by debt. The timing and amount of debt issues are shown in Table C.1. Debt issuance assumptions (issuance costs, interest rate, term, biannual payments) for the local and replacement facilities for the City of Davis are the same as those for regional debt as discussed in detail in the previous section. The timing and amount of debt issuance was coordinated with rate increases so as to minimize the issuance of new debt and minimize the level of rate increases while maintaining a positive fund balance and the required debt coverage.

The annual debt payments (principal and interest) for local Davis facilities are shown in Table C.2. The annual debt payments (principal and interest) for Davis replacement facilities are shown in Table C.3. The approach to funding all capital costs (regional, local and replacement) for the City of Davis is summarized in Table 3 below.

Table 3. City of Davis Capital Facilities Funding

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as- you-go	\$ Grant Funded	\$ Debt Funded		
Regional	50.02%	\$151,786,049	\$16,146,789	\$0	\$135,639,260	89%	\$267,766,620
Local	100.00%	\$57,221,771	\$29,511,958	\$0	\$27,709,813	48%	\$54,866,201
Replacement	100.00%	\$31,400,781	\$16,210,405	\$0	\$15,190,376	48%	\$30,077,367
Total		\$240,408,601	\$61,869,152	\$0	\$178,539,449	74%	\$352,710,187
% of Total		100%	26%	0%	74%		

Expenditures for operating existing and new facilities were added to the pay-as-you-go and debt funding assumptions for capital costs to yield the total amount of expenditures. Annual expenditures for operations and maintenance (O&M), capital costs, and debt service payments are shown in Table C.4.

Revenue from bond proceeds and other non-rate sources (capacity charges, miscellaneous sources and interest on cash balances) was projected and are shown in Table C.4.

Revenue from capacity charges was based on projections provided by the City. Capacity charges are charges that recover the cost of capacity for facilities constructed to meet the needs necessitated by new development. The City may evaluate the value of existing and/or new facilities that provide capacity for new development and update its policy for allocating a proportional share of the cost of facilities needed to serve new development.

Revenue from rates was then increased so as to affect a positive fund balance and a debt coverage ratio of 1.25 or more in all years.

Detailed annual projections of water rates, number of service connections, amounts of water use, and revenue from rates are shown in Table C.5. Expenditures and revenues are summarized in Table 4, below, and in Figure 4. Projected debt coverage is evaluated and shown in Table C.6.

Table 4. City of Davis Expenditures and Revenues

Balance July 1, 2006	\$4,590,265	
Expenditures (14 Years)		
Existing System		
O&M	\$102,639,017	23%
Capital, Replacements	\$31,400,781	7%
Debt Service, Replacement	\$16,527,349	4%
Additional Water Supply		
O&M - new system	\$16,793,304	4%
Capital, Regional	\$151,786,010	34%
Capital, Local	\$57,221,771	13%
Debt Service, Regional	\$53,263,105	12%
Debt Service, Local	<u>\$10,846,664</u>	<u>2%</u>
Total Expenditures	\$440,478,000	100%
Revenues (14 Years)		
Water Rates	\$270,145,780	59%
Capacity Charges	\$1,120,000	0.2%
Miscellaneous	\$280,000	0.1%
Interest on balance	\$4,996,056	1%
Grants	\$0	0%
Appropriations		0%
Bond Proceeds, Replacement	\$15,190,376	3%
Bond Proceeds, Regional	\$135,639,260	30%
Bond Proceeds, Local	<u>\$27,709,813</u>	<u>6%</u>
Total Revenue	\$455,081,285	100%
Revenues - Expenditures	\$14,603,285	
Balance June 30, 2020	\$19,193,549	

The balance on June 30, 2020 is approximately \$15 million more than on July 1, 2006. The balance in 2020 is not directly comparable to that in 2006 for the following reasons:

- The purchasing power of \$19 million (the approximate balance in 2020) is equivalent to approximately \$10 million in 2006 dollars.
- The higher balance in 2020 enables future capital projects to be funded on a pay-as-you-go basis which will be vital since little debt service capacity will be available in 2020 (without further increases in rates).

The approximately \$15 million increase in the balance has only a small impact on the projected annual rate increases. The \$15 million increase is approximately 5% of the total amount of revenue from rates (\$270 million) over the 14-year time period.

The increase in rates results in the average monthly single family charges shown in Figure 5 and summarized in Table 5, below. Separate lines show average monthly single family charges based on adopted rates and proposed rates. Additional lines in Figure 5 show the present value of average monthly single family charges and the annual percent increase in average monthly single family charges. The present value of projected monthly charges is in 2007 dollars. The discount rate used for developing the present value of average monthly single family charges is five percent.

Note that in years when the discount rate exceeds the annual percentage increase in the monthly charge the present value of the monthly charge will be less than in the previous year. For example, from FY 18/19 to FY 19/20 the monthly charge increases from \$87 to \$89 (the dollars are rounded to the nearest whole dollar and the increase is about 2%). The discount rate is 5%. As a result, the present value of the monthly charge decreases from \$51 to \$50 (again, the dollars are rounded to the nearest whole dollar).

The rate increases for FY 06/07, FY 07/08, FY 08/09 and FY 09/10, adopted by the City of Davis in 2006, are not changed in this evaluation.

Table 5. City of Davis Single Family Monthly Bill Evaluation

	<u>2007 Dollars</u>	<u>Nominal Dollars (with inflation)</u>
Monthly Charges		
Average Monthly Bill FY 2009/10	\$32	\$35
Average Monthly Bill FY 2019/20	<u>\$50</u>	<u>\$89</u>
10-Year Change	\$17	\$54
Average Annual Change		
Average Annual Percent Change		10.5%
Approximate O&M and CIP Annual Cost Escalation		<u>5.0%</u>
Annual Change Net of Cost Escalation		5.5%

Figure 4. City of Davis Expenditures, Revenues, and Cash Balances, Alternative 1

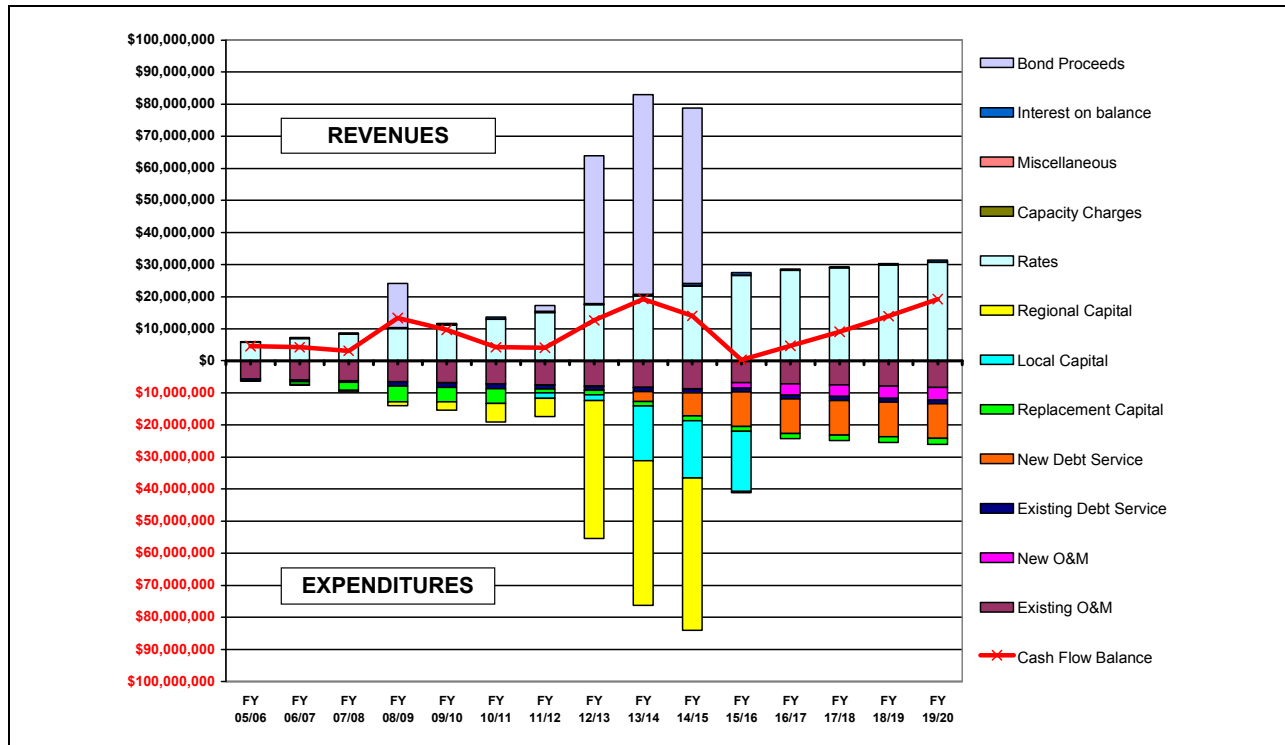
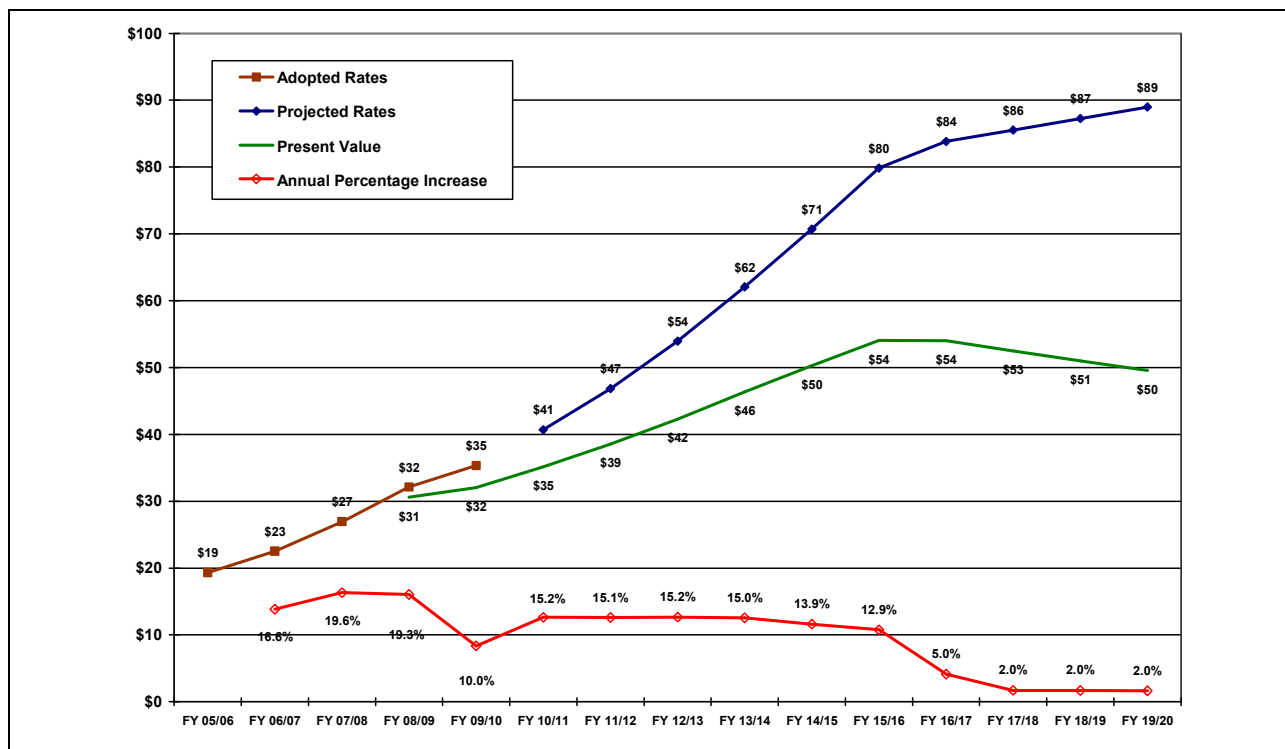


Figure 5. City of Davis Single Family Monthly Bills, Alternative 1



ALTERNATIVE 1: CITY OF WOODLAND FUNDING APPROACH

The impact of the Davis-Woodland Surface Water Supply Project costs allocated to the City of Woodland upon the City’s need for increased water rates is described in this section. The approach taken to quantify the impact is summarized in the following steps:

- Project expenditures for the existing water system and proposed surface water supply project
- Project revenues from bond proceeds and other non-rate sources.
- Select water rate increases that 1) maintain a positive fund balance during the study period; 2) maintain a debt coverage ratio of 1.25; 3) yield a FY 19/20 ending fund balance equivalent to the FY 06/07 fund balance in escalated dollars; 4) minimize rate increases; and 5) spread out rate increases over time.

Tables that detail the projection of expenditures, revenues and water rate increases for the City of Woodland are included in Appendix D.

Projected expenditures for local facilities (facilities required as part of the Davis-Woodland Surface Water Supply Project that are not regional facilities and are thus the sole responsibility of each respective participant) and for replacement of existing facilities were developed. Projected expenditures for local facilities for the City of Woodland are shown in Table A.7. Projected expenditures for replacement facilities were provided by the City and are shown in Table D.1. Identified replacement projects are needed with or without the surface water project to maintain reliability of the local water system operations.

Table D.1 shows projected capital costs for local and replacement capital facilities by fiscal year. Approximately 52% of the capital costs for local facilities are projected to be funded by debt. Approximately 40% of the capital costs for replacement facilities are projected to be funded by debt. The timing and amount of debt issues are shown in Table D.1. Debt issuance assumptions (issuance costs, interest rate, term, biannual payments) for the local and replacement facilities for the City of Woodland are the same as those for regional debt as discussed in the previous sections. The timing and amount of debt issuance was coordinated with rate increases so as to minimize the issuance of new debt and minimize the level of rate increases while maintaining a positive fund balance and the required debt coverage.

The annual debt payments (principal and interest) for local Woodland facilities are shown in Table D.2. The annual debt payments (principal and interest) for Woodland replacement facilities are shown in Table D.3. The approach to funding all capital costs (regional, local and replacement) for the City of Woodland is summarized in Table 6 below.

Table 6. Woodland Capital Facilities Funding

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as- you-go	\$ Grant Funded	\$ Debt Funded		
Regional	46.07%	\$139,803,295	\$15,690,285	\$0	\$124,113,010	89%	\$246,627,776
Local	100.00%	\$59,321,243	\$28,666,039	\$0	\$30,655,204	52%	\$60,698,156
Replacement	100.00%	\$75,197,520	\$45,019,971	\$0	\$30,177,550	40%	\$59,752,388
Total		\$274,322,058	\$89,376,294	\$0	\$184,945,763	67%	\$367,078,321
% of Total		100%	33%	0%	67%		

Expenditures for operating existing and new facilities were added to the pay-as-you-go and debt funding assumptions for capital costs to yield the total amount of expenditures. Annual expenditures for operations and maintenance (O&M), capital costs, and debt service payments are shown in Table D.4. Revenue from bond proceeds and other non-rate sources (capacity charges, miscellaneous sources and interest on cash balances) was projected and are shown in Table D.4.

Annual revenue from capacity charges was based on projections provided by the City. A \$3,000 increase in the water supply development fee, specific to this project, was estimated based on the number of units of new development from Woodland's 2006 *Major Projects Financing Plan* (MPFP) and the estimated portion of Woodland's regional and local capital costs that would benefit new development. The rate increases shown in this analysis may be significantly affected if the development fee is changed.

Revenue from rates was then increased so as to affect a positive fund balance and a debt coverage ratio of 1.25 or more in all years.

Detailed annual projections of water rates, number of service connections, amounts of water use, and revenue from rates are shown in Table D.5. Expenditures and revenues are summarized in Table 7, below, and in Figure 6. Projected debt coverage is evaluated and shown in Table D.6.

Table 7. Woodland Expenditures and Revenues

Balance July 1, 2006	\$2,500,494	
Expenditures (14 Years)		
Existing System		
O&M	\$74,941,904	17%
Capital, Replacements	\$75,197,520	17%
Debt Service, Replacement	\$20,130,906	4%
Additional Water Supply		
O&M - new system	\$21,856,557	5%
Capital, Regional	\$139,803,330	31%
Capital, Local	\$59,321,243	13%
Debt Service, Regional	\$49,058,272	11%
Debt Service, Local	<u>\$13,551,905</u>	<u>3%</u>
Total Expenditures	\$453,861,638	100%
Revenues (14 Years)		
Water Rates	\$257,593,810	55%
Capacity Charges	\$18,429,554	4.0%
Miscellaneous	\$280,000	0.1%
Interest on balance	\$5,124,895	1%
Grants - Regional	\$0	0%
Bond Proceeds, Replacement	\$30,177,550	6%
Bond Proceeds, Regional	\$124,113,010	27%
Bond Proceeds, Local	<u>\$30,655,204</u>	<u>7%</u>
Total Revenue	\$466,374,022	100%
Revenues - Expenditures	\$12,512,384	
Balance June 30, 2020	\$15,012,878	

The balance on June 30, 2020 is approximately \$13 million more than on July 1, 2006. The balance in 2020 is not directly comparable to that in 2006 for the following reasons:

- The purchasing power of \$15 million (the approximate balance in 2020) is equivalent to approximately \$8 million in 2006 dollars.
- The higher balance in 2020 enables future capital projects to be funded on a pay-as-you-go basis which will be vital since little debt service capacity will be available in 2020 (without further increases in rates).

The approximately \$13 million increase in the balance has only a small impact on the projected annual rate increases. The \$13 million increase is approximately 5% of the total amount of revenue from rates (\$258 million) over the 14-year time period.

The increase in rates results in the average monthly single family charges shown in Figure 7 and summarized in Table 8, below. Separate lines show average monthly single family charges based on adopted rates and proposed rates. Additional lines in Figure 7 show the present value of average monthly single family charges and the annual percent increase in average monthly single family charges. The present value of projected monthly charges is in 2007 dollars. The discount rate used for developing the present value of average monthly single family charges is five percent.

Note that in years when the discount rate exceeds the annual percentage increase in the monthly charge the present value of the monthly charge will be less than in the previous year. For example, from FY 18/19 to FY 19/20 the monthly charge increases from \$92 to \$94 (the dollars are rounded to the nearest whole dollar and the increase is about 3%). The discount rate is 5%. As a result, the present value of the monthly charge decreases from \$54 to \$52 (again, the dollars are rounded to the nearest whole dollar).

In April, 2005 the City of Woodland adopted water rates through FY 08/09. The adopted rate increases for FY 06/07 and FY 07/08 were not changed in this evaluation. To remain consistent with the funding approach and to minimize the level of rate increases, it was essential to increase the rates in FY 08/09 from the adopted monthly rate of \$24.80 for a single family residence to \$27.90 per month. If the FY 08/09 adopted rates were not changed, the rate increase in FY 09/10 would jump from a 17 percent increase to a 32 percent increase.

Table 8. Woodland Single Family Monthly Bill Evaluation

	<u>2007 Dollars</u>	<u>Nominal Dollars (with inflation)</u>
Monthly Charges		
Average Monthly Bill FY 2007/08	\$24	\$24
Average Monthly Bill FY 2019/20	<u>\$52</u>	<u>\$86</u>
12-Year Change	\$28	\$62
Average Annual Change		
Average Annual Percent Change		12.1%
O&M and CIP Annual Cost Escalation		<u>5.5%</u>
Annual Change Net of Cost Escalation		6.6%

Figure 6. Woodland Expenditures, Revenues, and Cash Balances, Alternative 1

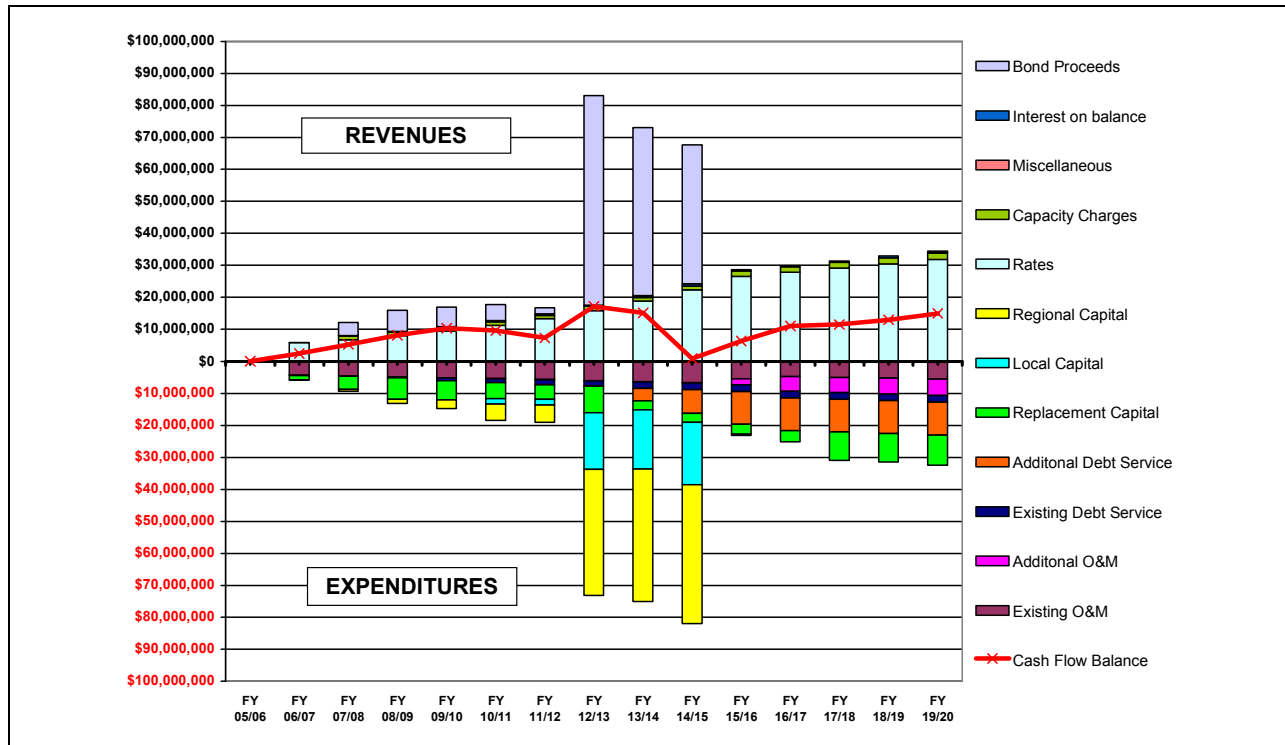
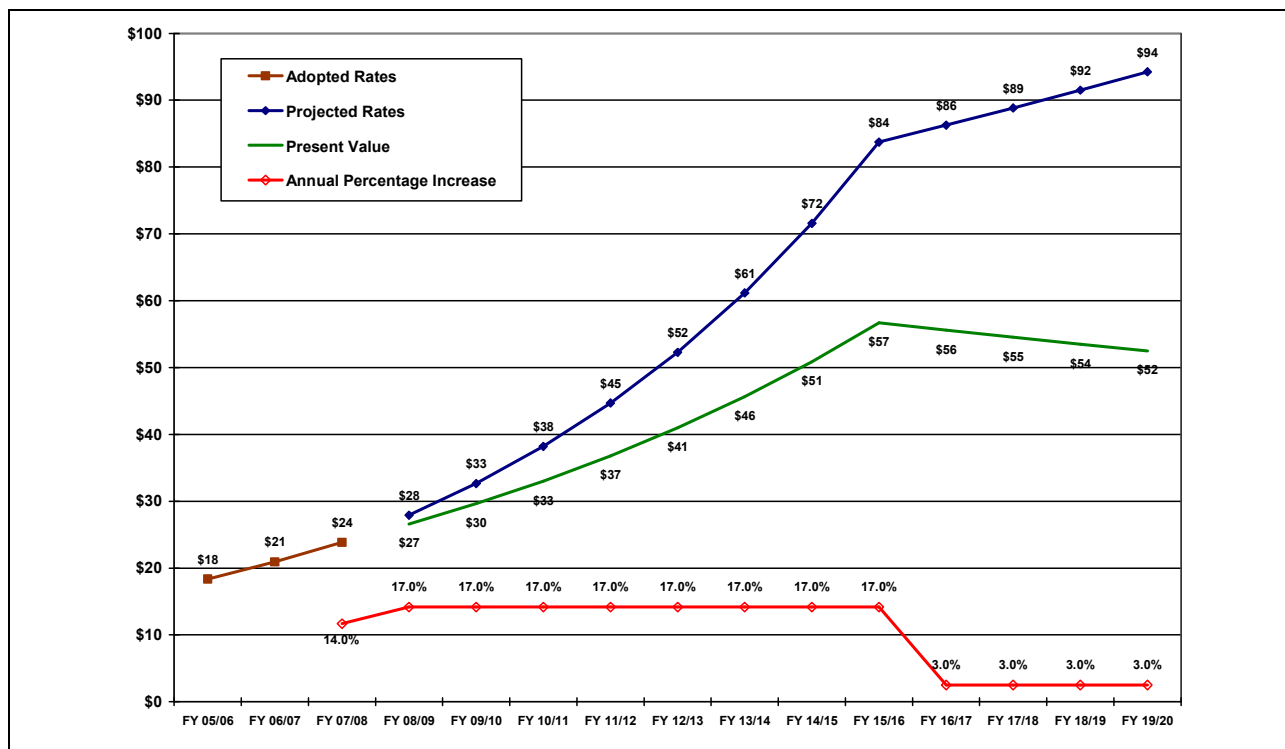


Figure 7. Woodland Single Family Monthly Bills, Alternative 1



ALTERNATIVE 2: REGIONAL SURFACE WATER SUPPLY WITH GRANT FUNDING

An alternative was developed in which the Regional Water Treatment Plant construction costs of approximately \$126 million, shown in Table A.5, were assumed to be grant funded. The pay-as-you-go, grant funded, and annual debt funded amounts are reflected in the cash flow requirements for the City of Davis and the City of Woodland and are summarized in Tables 9 – 12 and Figures 8 – 11.

Table 9. Davis Capital Cost Funding, Alternative 2

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as-you-go	\$ Grant Funded	\$ Debt Funded		
Regional	50.02%	\$151,786,049	\$16,146,789	\$63,165,681	\$72,473,579	48%	\$142,696,813
Local	100.00%	\$57,221,771	\$22,357,168	\$0	\$34,864,603	61%	\$69,032,884
Replacement	100.00%	\$31,400,781	\$16,210,405	\$0	\$15,190,376	48%	\$30,077,367
Total		\$240,408,601	\$54,714,362	\$63,165,681	\$122,528,557	51%	\$241,807,064
% of Total		100%	23%	26%	51%		

Table 10. Woodland Capital Cost Funding, Alternative 2

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as-you-go	\$ Grant Funded	\$ Debt Funded		
Regional	46.07%	\$139,803,295	\$15,690,285	\$58,179,065	\$65,933,945	47%	\$131,431,609
Local	100.00%	\$59,321,243	\$19,301,585	\$0	\$40,019,657	67%	\$79,240,035
Replacement	100.00%	\$75,197,520	\$46,691,491	\$0	\$28,506,029	38%	\$56,442,731
Total		\$274,322,058	\$81,683,361	\$58,179,065	\$134,459,632	49%	\$267,114,375
% of Total		100%	30%	21%	49%		

Table 11. Davis Single Family Monthly Bill Evaluation, Alternative 2

	Alternative 1	Alternative 2	Alt 2 - Alt 1
Monthly Charges			
Average Monthly Bill FY 2009/10	\$35	\$35	
Average Monthly Bill FY 2019/20 (in FY 2019/20 dollars)	<u>\$89</u>	<u>\$78</u>	-\$11
10-Year Change	\$54	\$43	
Average Annual Change			
Average Annual Percent Change	10.5%	9.3%	-1.2%
Approximate O&M and CIP Annual Cost Escalation	<u>5.0%</u>	<u>5.0%</u>	
Annual Change Net of Cost Escalation	5.5%	4.3%	

Table 12. Woodland Single Family Monthly Bill Evaluation, Alternative 2

	Alternative 1	Alternative 2	Alt 2 - Alt 1
Monthly Charges			
Average Monthly Bill FY 2007/08	\$24	\$24	
Average Monthly Bill FY 2019/20 (in FY 2019/20 dollars)	<u>\$94</u>	<u>\$86</u>	-\$8
12-Year Change	\$70	\$62	
Average Annual Change			
Average Annual Percent Change	12.1%	11.3%	-0.8%
O&M and CIP Annual Cost Escalation	<u>5.5%</u>	<u>5.5%</u>	
Annual Change Net of Cost Escalation	6.6%	5.8%	

Figure 8. City of Davis Expenditures, Revenues, and Cash Balances, Alternative 2

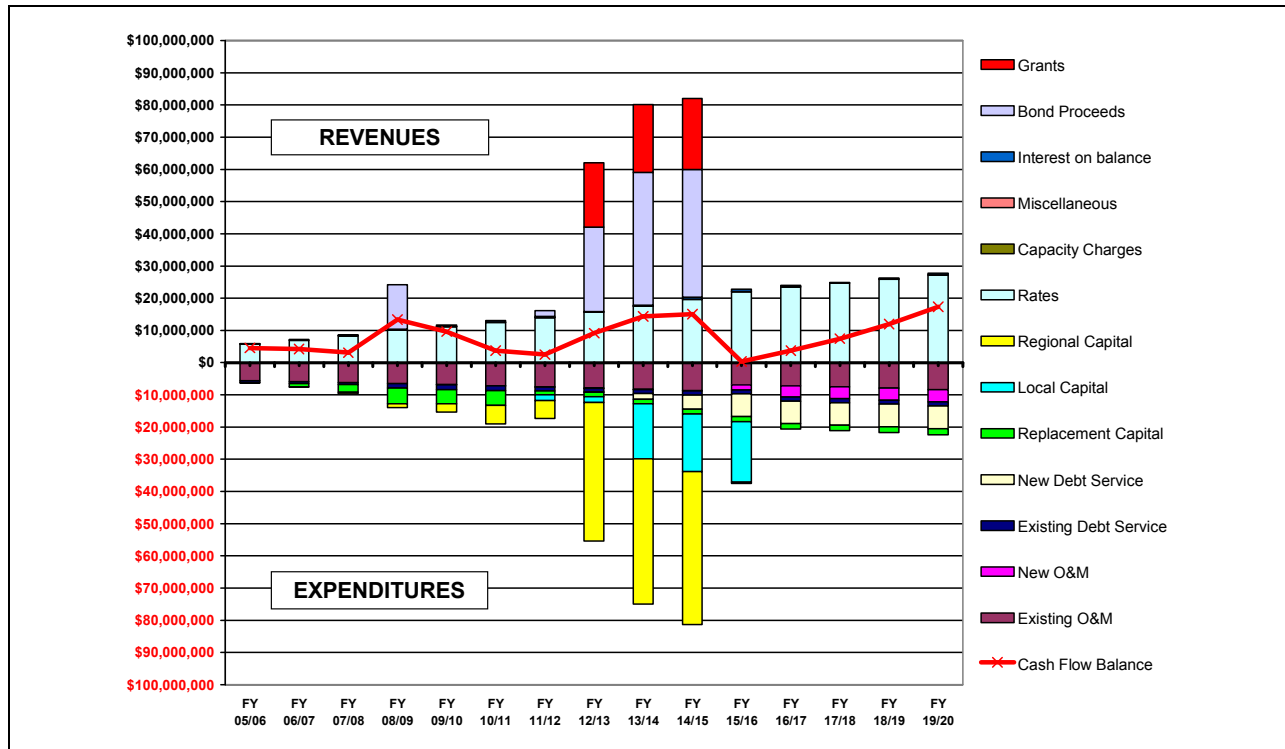


Figure 9. City of Davis Single Family Monthly Bills, Alternative 2

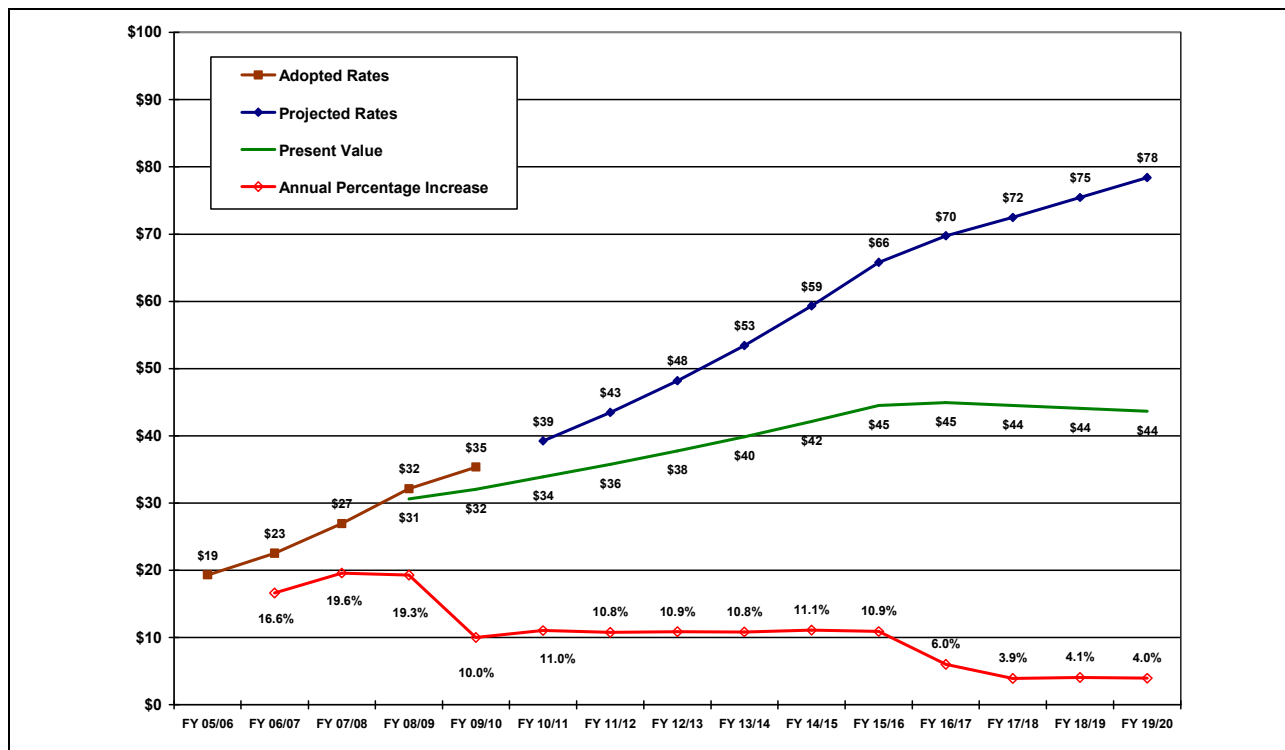


Figure 10. Woodland Expenditures, Revenues, and Cash Balances, Alternative 2

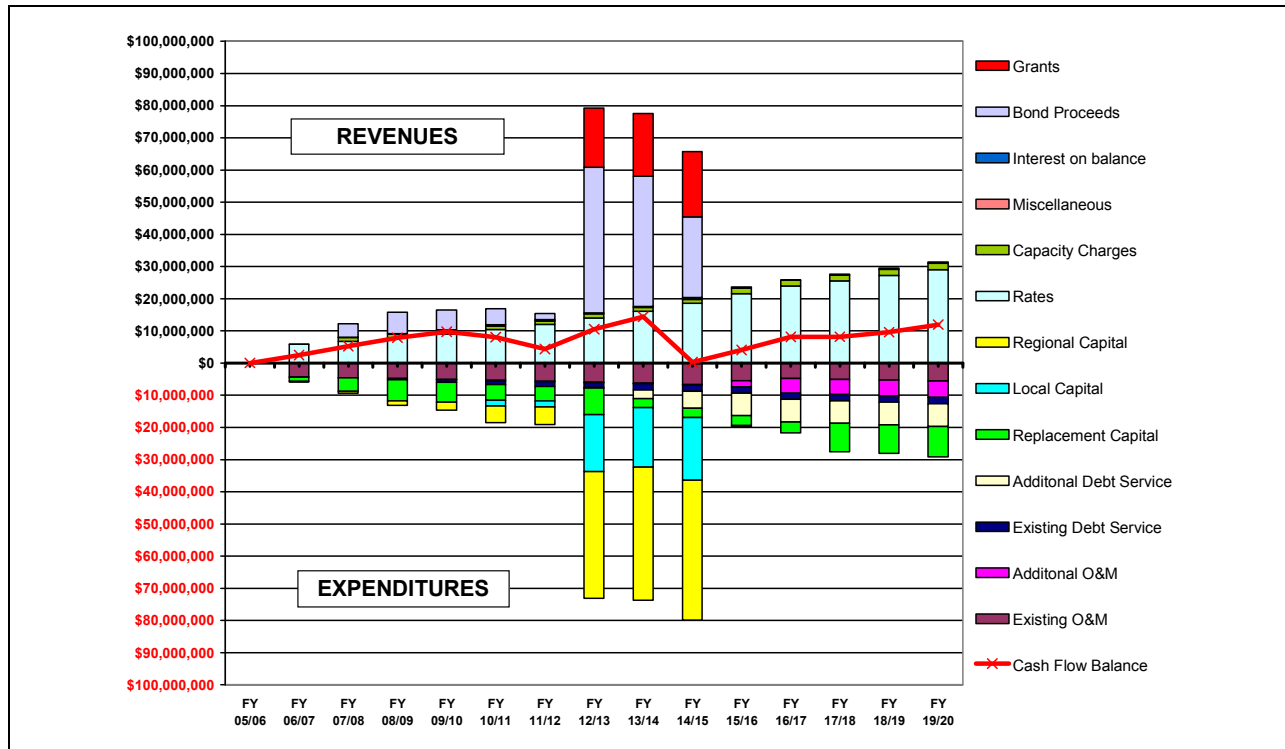
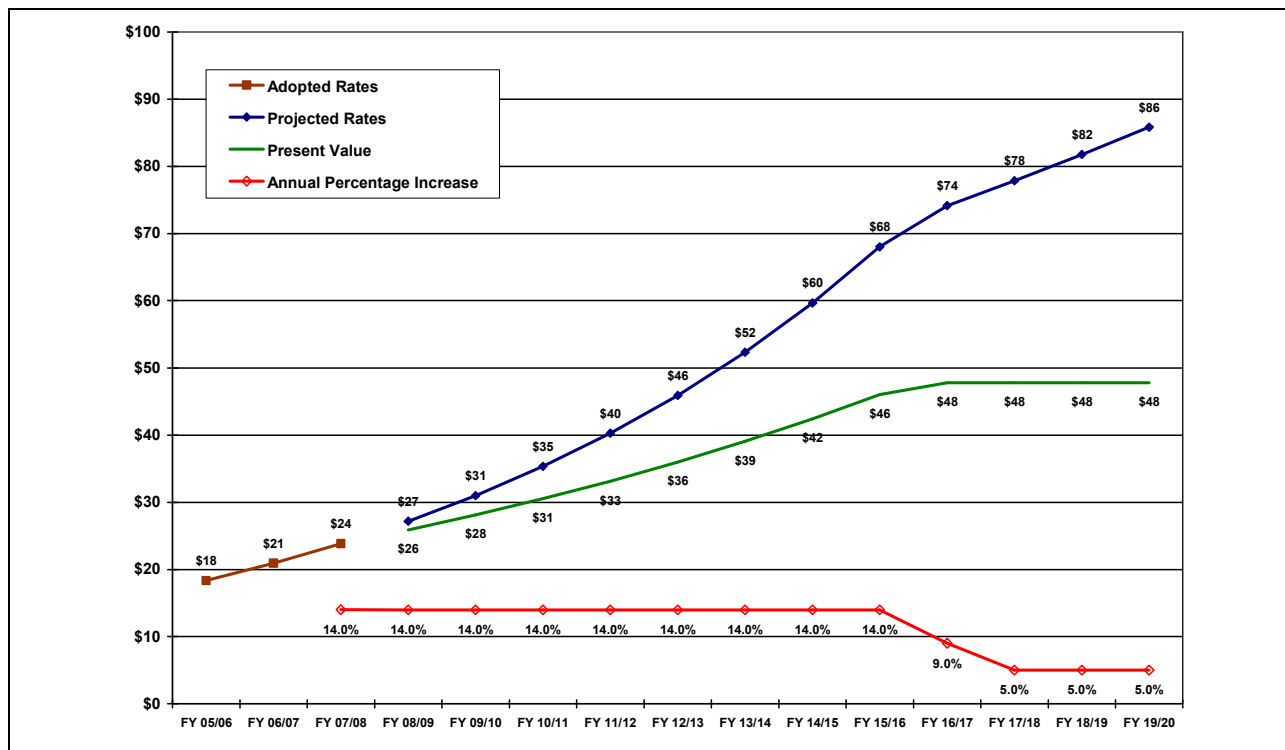


Figure 11. Woodland Single Family Monthly Bills, Alternative 2



ALTERNATIVE 3: REGIONAL BRINE DISPOSAL AND LOCAL GROUNDWATER WELLHEAD TREATMENT

An alternative was developed in which regional surface water supply capital costs were replaced with regional brine disposal costs and local groundwater wellhead treatment. The project would include reverse osmosis (RO) treatment at all Davis and Woodland intermediate depth wells. RO treatment will improve water quality and reduce the amount of salinity in wastewater discharges. The RO treatment process produces a byproduct called brine. Brine has a very high salt concentration. This project alternative includes installation of a brine disposal pipeline from Davis/Woodland to the Carquinez Straits. Figure 12 shows the reconnaissance brine pipeline route from Woodland to Davis to the Carquinez Straits.

This alternative assumes that the pipeline to Carquinez Straits can be permitted. Capital costs for this alternative are based on engineering rules of thumb for pipeline installation, RO facility purchase and installation, pump station construction, and well drilling. Costs may be higher due to permitting fees, alignment changes, and hydraulic requirements.

The option of depositing brine in evaporation ponds was also considered. Approximately 4.5 square miles of evaporation ponds would be required for the evaporation to match the storm and brine influent flows. The rate implications of this option were not evaluated due to the enormous area required for the ponds and the probability that the project could not be permitted. The brine ponds could have detrimental effects to wildlife habitat in the area, therefore, making this project very difficult, if not impossible, to permit.

For the alternative of constructing a brine disposal pipeline to the Carquinez Straits, no capital costs were assumed to be grant funded and UC Davis is not included in the evaluation. The pay-as-you-go and annual debt funded amounts are reflected in the cash flow requirements for the City of Davis and the City of Woodland and are summarized in Tables 13 – 16 and Figures 13 – 16.

Table 13. Davis Capital Cost Funding, Alternative 3

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as- you-go	\$ Grant Funded	\$ Debt Funded		
Regional	28.15%	\$73,321,606	\$6,895,090	\$0	\$66,426,517	91%	\$131,513,494
Local	100.00%	\$289,366,390	\$45,925,819	\$0	\$243,440,571	84%	\$476,699,228
Replacement	100.00%	\$31,400,781	\$16,210,405	\$0	\$15,190,376	48%	\$30,077,367
Total		\$394,088,777	\$69,031,313	\$0	\$325,057,463	82%	\$638,290,088
% of Total		100%	18%	0%	82%		

Table 14. Woodland Capital Cost Funding, Alternative 3

Item	Total Project Percent Allocation	Total Cost	Source of Funds			% Debt Funded	New Debt Service FY 08/09 - FY 44/45
			\$ Pay-as- you-go	\$ Grant Funded	\$ Debt Funded		
Regional	71.85%	\$187,164,437	\$17,623,824	\$0	\$169,540,613	91%	\$335,707,989
Local	100.00%	\$331,803,540	\$71,483,473	\$0	\$260,320,066	78%	\$486,814,488
Replacement	100.00%	\$70,644,615	\$55,078,626	\$0	\$15,565,989	22%	\$30,821,092
Total		\$589,612,592	\$144,185,923	\$0	\$445,426,668	76%	\$853,343,569
% of Total		100%	24%	0%	76%		

Figure 12. Brine Disposal Pipeline Route, Alternative 3

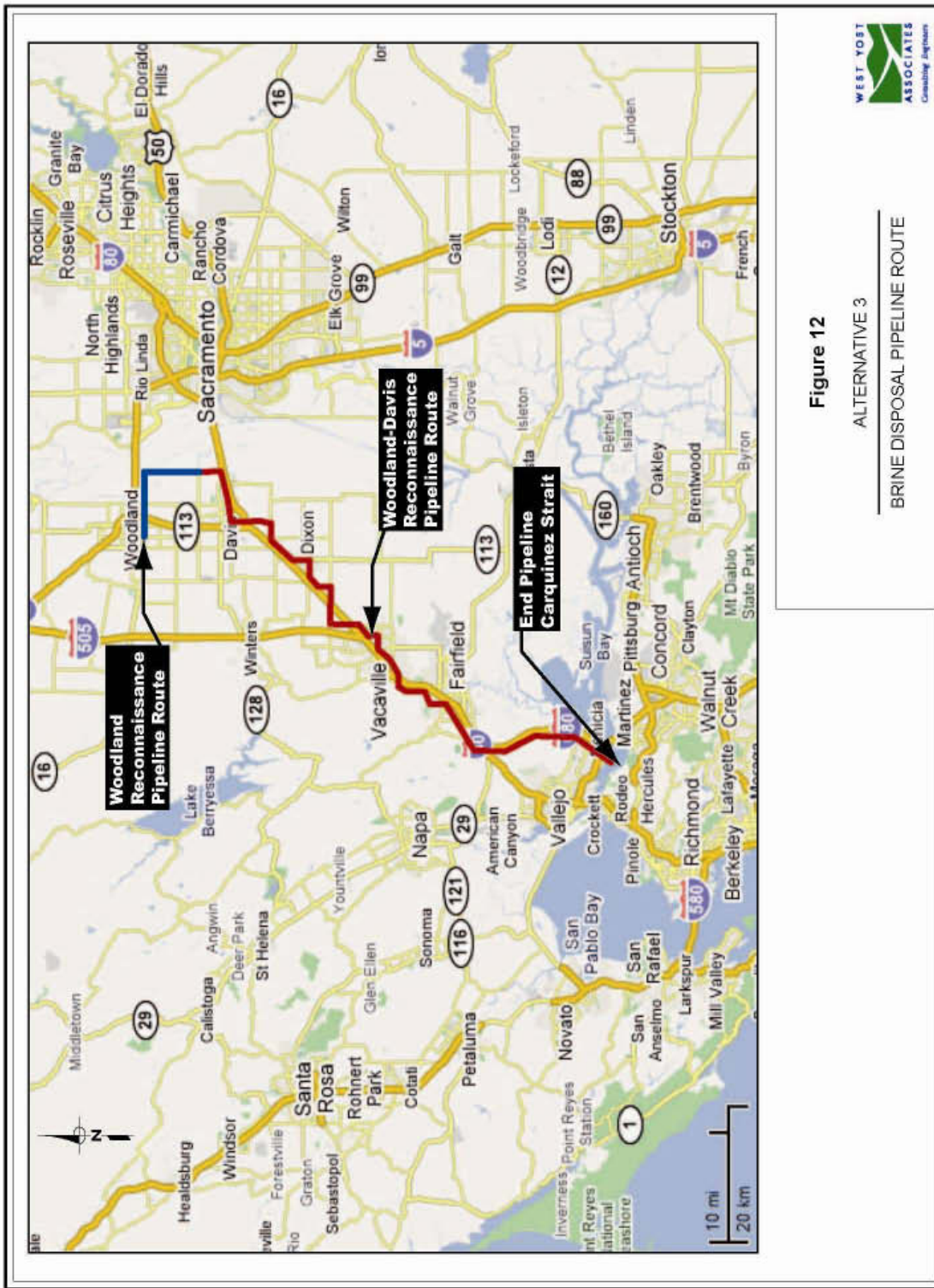


Table 15. Davis Single Family Monthly Bill Evaluation, Alternative 3

	<u>Alternative 1</u>	<u>Alternative 3</u>	<u>Alt 3 - Alt 1</u>
Monthly Charges			
Average Monthly Bill FY 2009/10	\$35	\$35	
Average Monthly Bill FY 2019/20 (in FY 2019/20 dollars)	<u>\$89</u>	<u>\$118</u>	\$29
10-Year Change	\$54	\$83	
Average Annual Change			
Average Annual Percent Change	10.5%	13.6%	3.1%
Approximate O&M and CIP Annual Cost Escalation	<u>5.0%</u>	<u>5.0%</u>	
Annual Change Net of Cost Escalation	5.5%	8.6%	

Table 16. Woodland Single Family Monthly Bill Evaluation, Alternative 3

	<u>Alternative 1</u>	<u>Alternative 3</u>	<u>Alt 3 - Alt 1</u>
Monthly Charges			
Average Monthly Bill FY 2007/08	\$24	\$24	
Average Monthly Bill FY 2019/20 (in FY 2019/20 dollars)	<u>\$94</u>	<u>\$148</u>	<u>\$54</u>
12-Year Change	\$70	\$124	
Average Annual Change			
Average Annual Percent Change	12.1%	16.3%	4.2%
O&M and CIP Annual Cost Escalation	<u>5.5%</u>	<u>5.5%</u>	
Annual Change Net of Cost Escalation	6.6%	10.8%	

Figure 13. City of Davis Expenditures, Revenues, and Cash Balances, Alternative 3

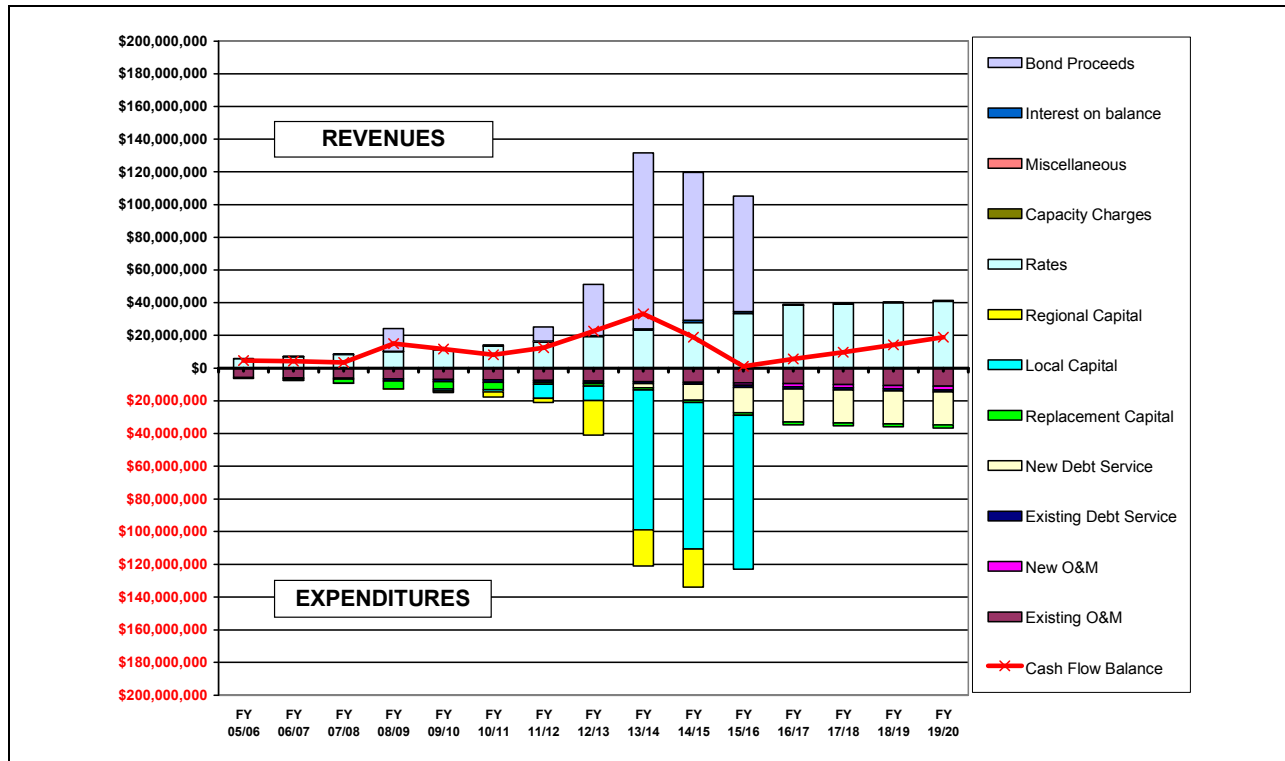


Figure 14. City of Davis Single Family Monthly Bills, Alternative 3

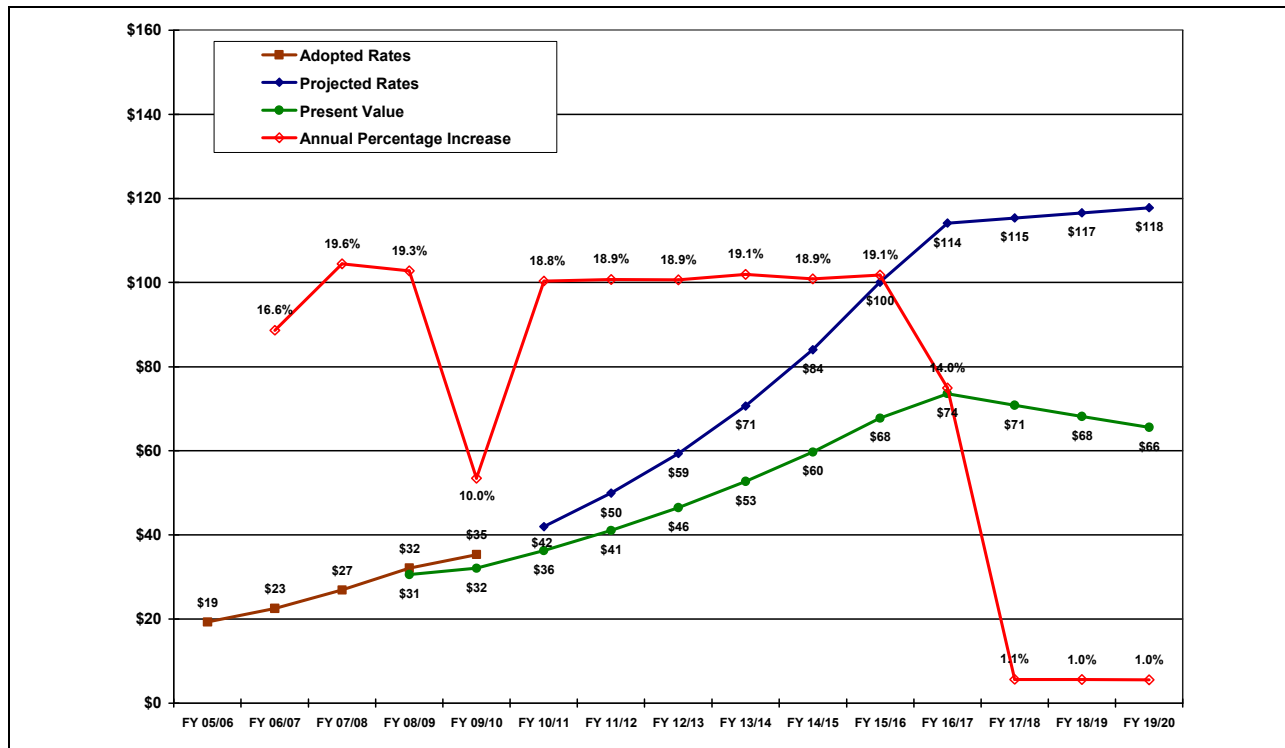


Figure 15. Woodland Expenditures, Revenues, and Cash Balances, Alternative 3

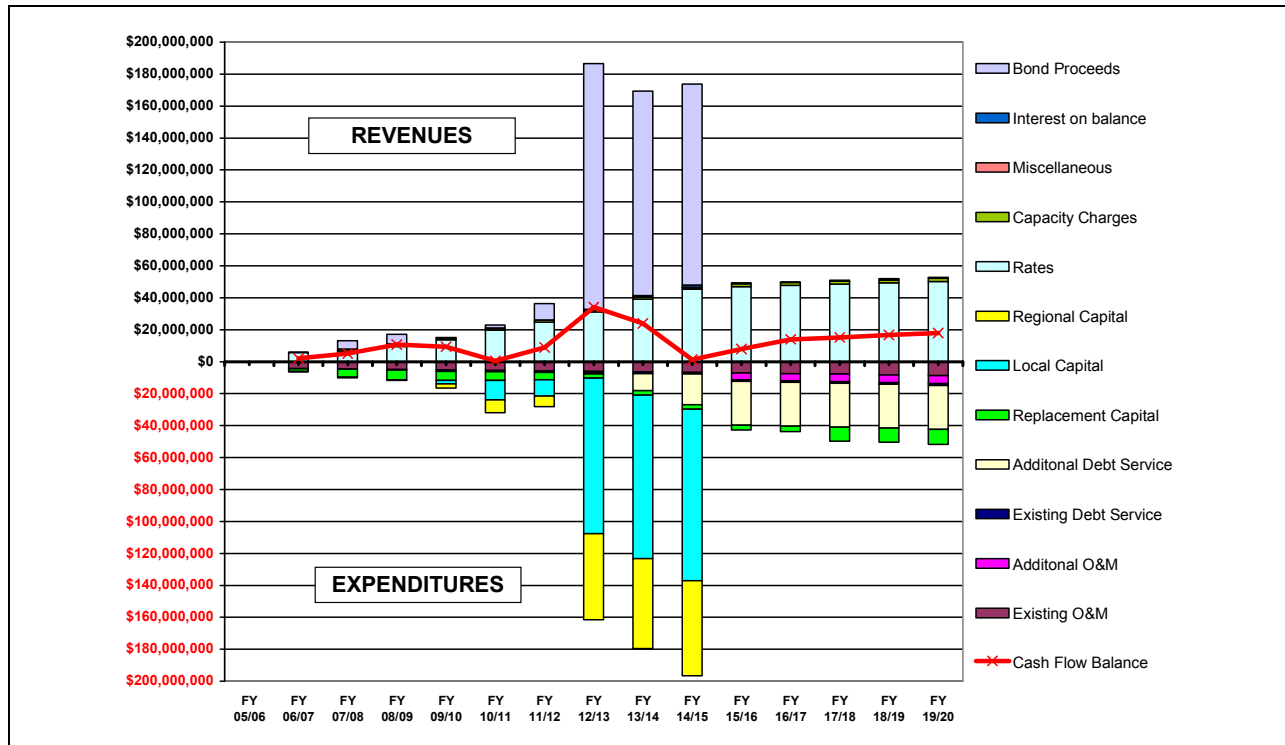
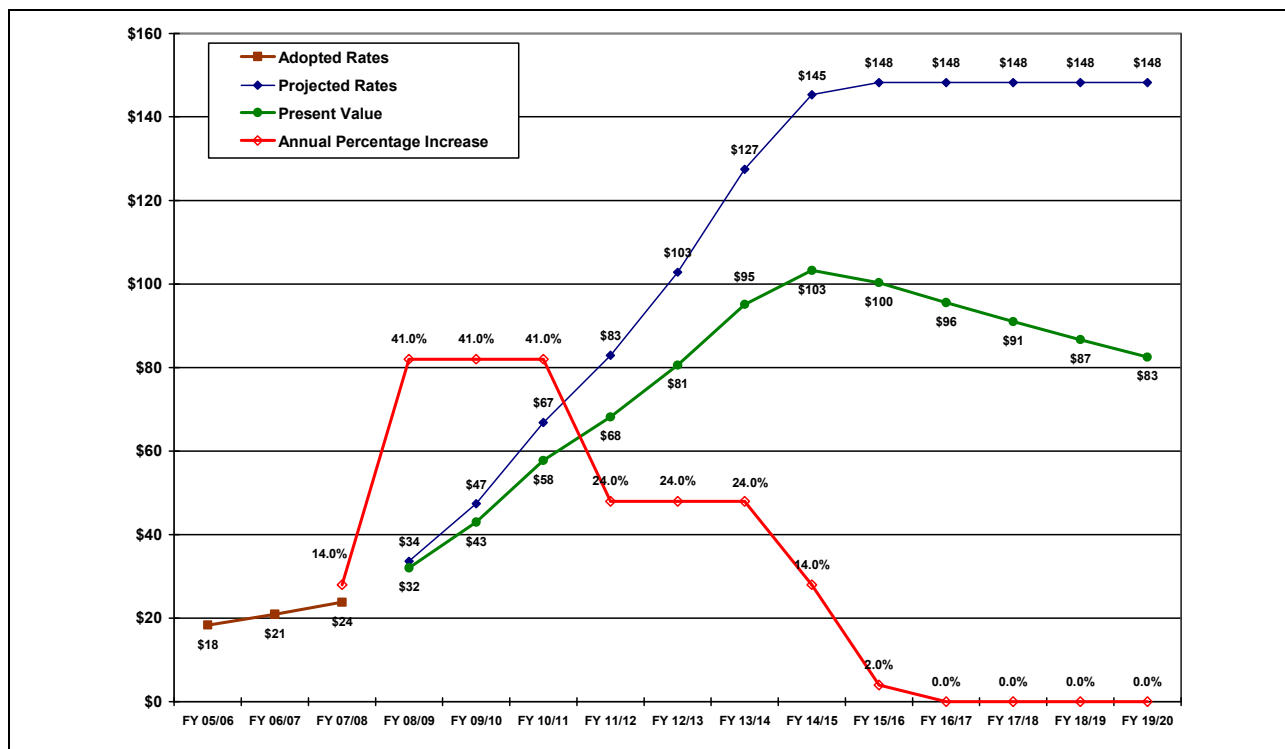


Figure 16. Woodland Single Family Monthly Bills, Alternative 3



CONCLUSION AND COMPARISON OF ALTERNATIVES

Three capital expenditure and funding source alternatives were evaluated for each City. The primary differences between each alternative are the level of capital expenditures and the funding sources. The capital expenditure and funding source for each alternative for the City of Davis are shown in Table 17. The typical single family monthly bills associated with each alternative for the City of Davis are compared in Figure 17. The single family monthly bills compared in this figure are the “present value” lines from the figures shown previously for each alternative (FY 07/08 dollars).

The capital expenditure and funding source for each alternative for the City of Woodland are shown in Table 18. The typical single family monthly bills associated with each alternative for the City of Woodland are compared in Figure 18. The single family monthly bills compared in this figure are the “present value” lines from the figures shown previously for each alternative (FY 07/08 dollars).

Table 17. Davis Comparison of Capital Expenditures and Funding Sources

	<u>Alternative 1</u>		<u>Alternative 2</u>		<u>Alternative 3</u>	
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Capital Expenditure						
Regional	\$151,786,049	63%	\$151,786,049	63%	\$73,321,606	19%
Local	\$57,221,771	24%	\$57,221,771	24%	\$289,366,390	73%
Replacement	\$31,400,781	13%	\$31,400,781	13%	\$31,400,781	8%
Total	\$240,408,601	100%	\$240,408,601	100%	\$394,088,777	100%
Funding Source						
Pay-as-you-go	\$61,869,152	26%	\$54,714,362	23%	\$69,031,313	18%
Grant funded	\$0	0%	\$63,165,681	26%	\$0	0%
Debt funded	\$178,539,449	74%	\$122,528,557	51%	\$325,057,463	82%
Total	\$240,408,601	100%	\$240,408,601	100%	\$394,088,777	100%

Table 18. Woodland Comparison of Capital Expenditures and Funding Sources

	<u>Alternative 1</u>		<u>Alternative 2</u>		<u>Alternative 3</u>	
	Dollars	Percent	Dollars	Percent	Dollars	Percent
Capital Expenditure						
Regional	\$139,803,295	51%	\$139,803,295	51%	\$187,164,437	32%
Local	\$59,321,243	22%	\$59,321,243	22%	\$331,803,540	56%
Replacement	\$75,197,520	27%	\$75,197,520	27%	\$70,644,615	12%
Total	\$274,322,058	100%	\$274,322,058	100%	\$589,612,592	100%
Funding Source						
Pay-as-you-go	\$89,376,294	33%	\$81,683,361	30%	\$144,185,923	24%
Grant funded	\$0	0%	\$58,179,065	21%	\$0	0%
Debt funded	\$184,945,763	67%	\$134,459,632	49%	\$445,426,668	76%
Total	\$274,322,058	100%	\$274,322,058	100%	\$589,612,592	100%

Figure 17. Davis Comparison of Single Family Monthly Bills in 2007 Dollars

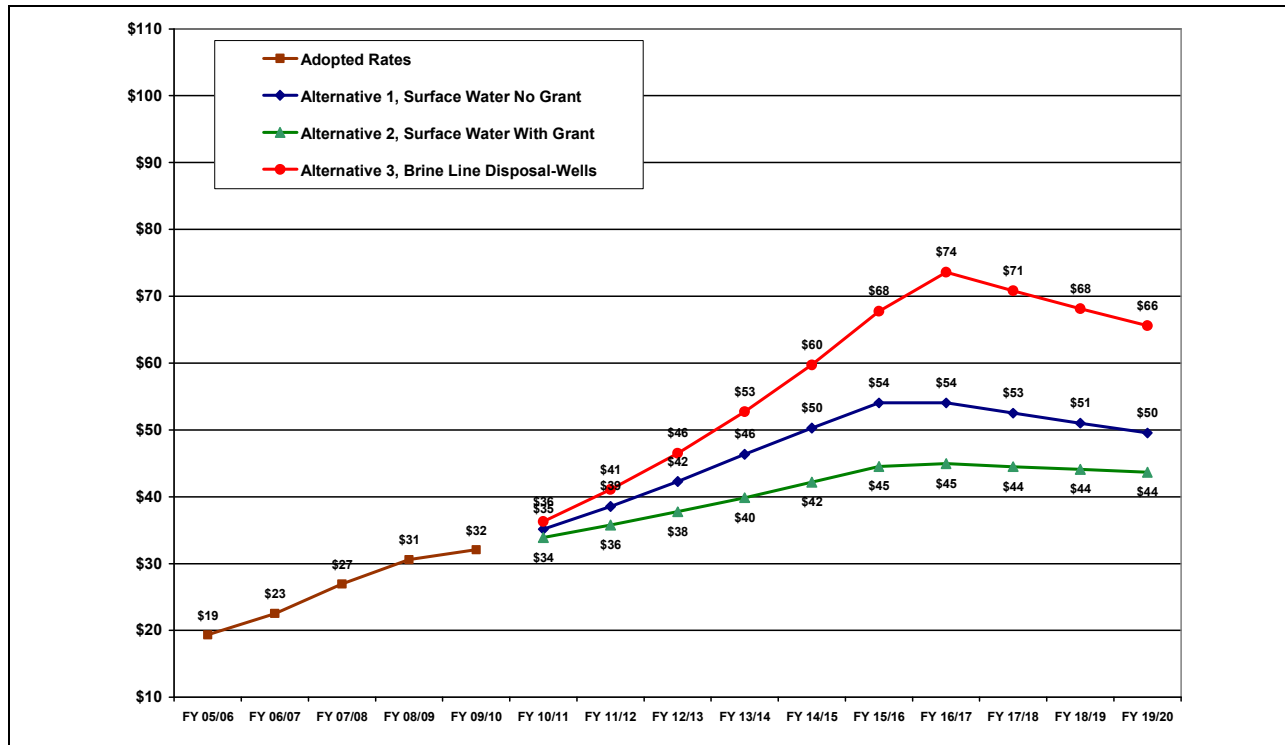
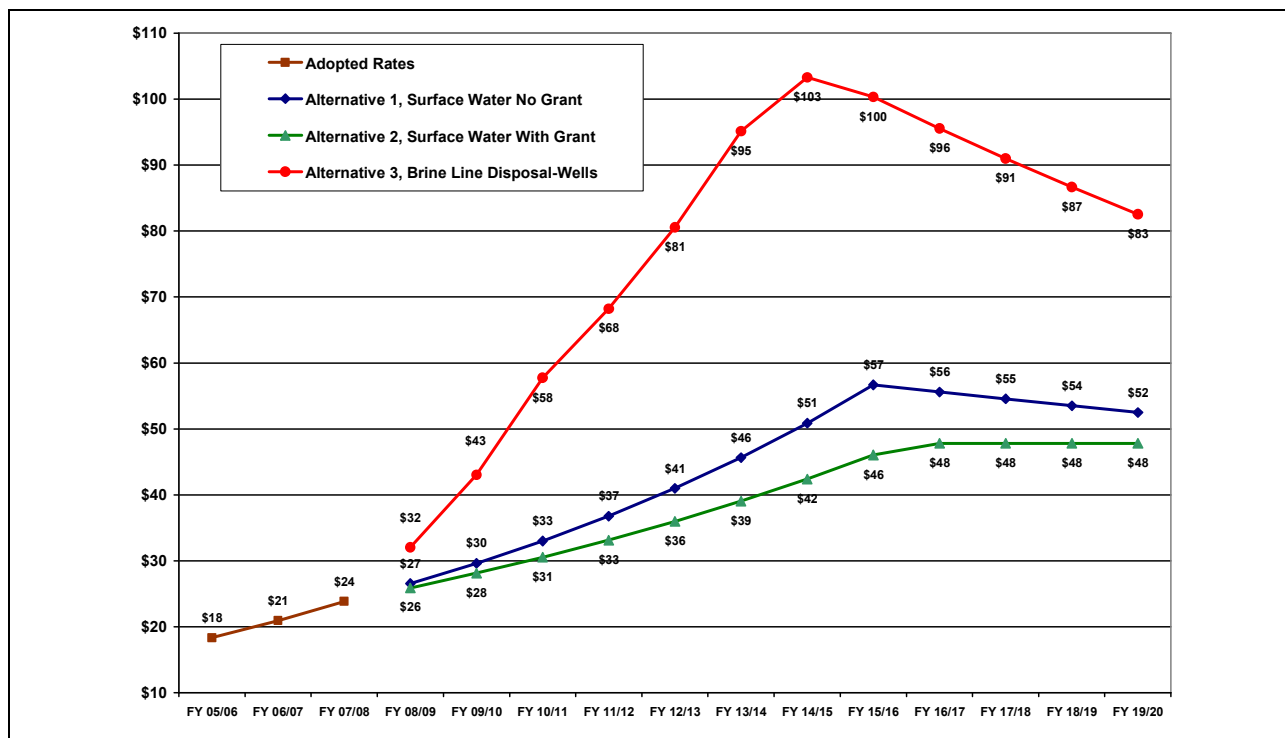


Figure 18. Woodland Comparison Single Family Monthly Bills in 2007 Dollars



APPENDIX A

Table A.1
Planning Level Construction Cost Estimates - Total Paid by Partners
Sacramento River Diversion & Raw Water Transmission Facilities

<u>Option 1 Construction Project Components</u>	<u>Pipe Size (in)</u>	<u>Quantity</u>	<u>Unit</u>	<u>Estimated Construction Cost</u>	<u>Notes</u>
Regional Facilities					
Sacramento River Diversion/Intake/Pump Station		51.8	MGD	\$3,000,000	25% of \$20 million estimated by MWH + 20% contingency w/50% of project grant funded (grant funded portion not included in spreadsheet)
Raw Water Transmission Pipelines					
Standard Construction	2 @ 42	25,210	LF	\$25,400,000	Based on \$10/in-dia/LF + 20% contingency
Trenchless Construction	2 @ 42	1,160	LF	\$2,900,000	Based on \$25/in-dia/LF + 20% contingency
Water Treatment Plant	--	51.8	MGD	\$88,000,000	Based on \$1.42/gal capacity +20% contingency
Potable Water Booster Pump Station	--	75	MGD	\$13,500,000	Based on \$.015/gal capacity +20% contingency
Transmission Pipeline - WTP to WTP turnout	60	1,160	LF	\$800,000	Based on \$10/in-dia/LF + 20% contingency
<u>Transmission Pipe from WTP turnout to Davis Distribution System:</u>					
Transmission Pipe between WTP Turnout & Davis WTP Site Turnout	42	21,330	LF	\$10,800,000	Based on \$10/in-dia/LF + 20% contingency
Transmission Pipe between Davis WTP Site Turnout & Davis Distribution System	42	21,010	LF	\$10,600,000	Based on \$10/in-dia/LF + 20% contingency
<u>Transmission Pipe from WTP turnout to Woodland Distribution System:</u>					
	42	5,390	LF	<u>\$2,700,000</u>	Based on \$10/in-dia/LF + 20% contingency
Subtotal for regional facilities				\$157,700,000	
Local Facilities					
Davis Distribution Pipelines, Storage Reservoirs & Booster Pumping				\$30,000,000	Per Jacques Debra & Davis Local Water System Improvements Cost and Phasing Plan TM No. 2, 1/30/07
Woodland Distribution Pipelines, Storage Reservoirs & Booster Pumping					
Distribution	44	9,200	LF	\$4,900,000	Based on \$10/in-dia/LF + 20% contingency
	36	11,300	LF	\$4,900,000	Based on \$10/in-dia/LF + 20% contingency
	30	27,000	LF	\$9,700,000	Based on \$10/in-dia/LF + 20% contingency
	24	14,250	LF	\$4,100,000	Based on \$10/in-dia/LF + 20% contingency
	20	11,000	LF	\$2,600,000	Based on \$10/in-dia/LF + 20% contingency
	20	400	LF	\$100,000	Based on \$10/in-dia/LF + 20% contingency
	16	200	LF	\$40,000	Based on \$10/in-dia/LF + 20% contingency
Storage Reservoir & Booster Pumping	--	4	MG	<u>\$4,800,000</u>	Based on \$1.00/gal capacity +20% contingency
Woodland Subtotal				\$31,100,000	
UC Davis Distribution Pipelines, Storage Reservoirs & Booster Pumping					
Distribution	18	6,000	LF	\$1,300,000	Based on \$10/in-dia/LF + 20% contingency
Storage Reservoir & Booster Pumping		4	MG	<u>\$4,200,000</u>	Based on \$1.00/gal capacity +20% contingency
UC Davis Subtotal				\$5,500,000	
Subtotal for local facilities				\$66,600,000	
Total				\$224,300,000	

Table A.2
Engineering Costs - Percentage of Construction Cost

<u>ACTION OR COST CATEGORY</u>	<u>Percentage of Construction Cost</u>
Engineering	
<u>Prepare Construction Docs</u>	
Regional Facilities	8.0%
Non-regional Transmission Piping - Davis/UC Davis	8.0%
Non-regional & Local Facilities - Woodland	8.0%
Local Facilities - Davis	8.0%
Local Facilities - UC Davis	8.0%
<u>Construction Management/Inspection</u>	
Regional Facilities	5.0%
Non-regional Transmission Piping - Davis/UC Davis	5.0%
Non-regional & Local Facilities - Woodland	5.0%
Local Facilities - Davis	5.0%
Local Facilities - UC Davis	5.0%
<u>Engineering Services During Construction</u>	
Regional Facilities	3.0%
Non-regional Transmission Piping - Davis/UC Davis	3.0%
Non-regional & Local Facilities - Woodland	3.0%
Local Facilities - Davis	3.0%
Local Facilities - UC Davis	3.0%

Table A.3
Cost Allocation Between Partners

Current Partner Demands	Woodland	Davis	UC Davis	Total
Capacity Allocation, million gallons per day	27.0	23.0	1.8	51.8
Capacity Allocation, percent	52.1%	44.4%	3.5%	100.0%
Action or Cost Category				
Legal				
Ownership/Administration Structure Assistance	52.1%	44.4%	3.5%	100.0%
Water Rights Permitting and Reclamation Approvals	52.1%	44.4%	3.5%	100.0%
Negotiate Summer Water Purchase Contracts	52.1%	44.4%	3.5%	100.0%
Negotiate Land/Easement Acquisitions	52.1%	44.4%	3.5%	100.0%
Obtain Other Permits (404, ESA, etc.)	52.1%	44.4%	3.5%	100.0%
Design Work and Financing Plan	52.1%	44.4%	3.5%	100.0%
Bid Documents	52.1%	44.4%	3.5%	100.0%
Assist Bond Counsel	52.1%	44.4%	3.5%	100.0%
Environmental				
NEPA Compliance/Permitting Assistance	52.1%	44.4%	3.5%	100.0%
Environmental Mitigation	52.1%	44.4%	3.5%	100.0%
Engineering				
Regional Program Manager	52.1%	44.4%	3.5%	100.0%
Revise RD 2035 Pump Station Construction Documents	52.1%	44.4%	3.5%	100.0%
Prepare Prop 50 Grant Application	52.1%	44.4%	3.5%	100.0%
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance	52.1%	44.4%	3.5%	100.0%
Land/Easement Surveys & Legal Descriptions	52.1%	44.4%	3.5%	100.0%
Prepare Construction Docs				
<u>Regional Facilities</u>				
Transmission Pipelines, WTP, Booster Pump Station	52.1%	44.4%	3.5%	100.0%
Transmission Piping from WTP to Davis Distribution System	0.0%	92.7%	7.3%	100.0%
Transmission Piping from WTP to Woodland Distribution System	100.0%	0.0%	0.0%	100.0%
<u>Local Facilities</u>				
Local Facilities - Woodland	100.0%	0.0%	0.0%	100.0%
Local Facilities - Davis	0.0%	100.0%	0.0%	100.0%
Local Facilities - UC Davis	0.0%	0.0%	100.0%	100.0%
Construction Management/Inspection				
<u>Regional Facilities</u>				
RD 2035 Intake/Pump Station	52.1%	44.4%	3.5%	100.0%
Transmission Pipelines, WTP, Booster Pump Station	52.1%	44.4%	3.5%	100.0%
Transmission Piping from WTP to Davis Distribution System	0.0%	92.7%	7.3%	100.0%
Transmission Piping from WTP to Woodland Distribution System	100.0%	0.0%	0.0%	100.0%
<u>Local Facilities</u>				
Local Facilities - Woodland	100.0%	0.0%	0.0%	100.0%
Local Facilities - Davis	0.0%	100.0%	0.0%	100.0%
Local Facilities - UC Davis	0.0%	0.0%	100.0%	100.0%
Engineering Services During Construction				
<u>Regional Facilities</u>				
RD 2035 Intake/Pump Station	52.1%	44.4%	3.5%	100.0%
Transmission Pipelines, WTP, Booster Pump Station	52.1%	44.4%	3.5%	100.0%
Transmission Piping from WTP to Davis Distribution System	0.0%	92.7%	7.3%	100.0%
Transmission Piping from WTP to Woodland Distribution System	100.0%	0.0%	0.0%	100.0%
<u>Local Facilities</u>				
Local Facilities - Woodland	100.0%	0.0%	0.0%	100.0%
Local Facilities - Davis	0.0%	100.0%	0.0%	100.0%
Local Facilities - UC Davis	0.0%	0.0%	100.0%	100.0%
Financial				
Prepare Preliminary Rate Studies	50.0%	50.0%	0.0%	100.0%
Prepare Updated Rate Studies	50.0%	50.0%	0.0%	100.0%
Land/RW Acquisitions				
<u>Regional Facilities</u>				
Water Treatment Plant Site	52.1%	44.4%	3.5%	100.0%
Raw Water Pipeline & WTP to WTP turnout Pipeline Easements	52.1%	44.4%	3.5%	100.0%
Easements for Transmission Piping from WTP to Davis Distribution System	0.0%	92.7%	7.3%	100.0%
Easements for Transmission Piping from WTP to Woodland Distribution System	100.0%	0.0%	0.0%	100.0%
Construction				
<u>Regional Facilities</u>				
Construct RD 2035 Intake/Pump Station	52.1%	44.4%	3.5%	100.0%
Construct Regional Transmission Pipelines	52.1%	44.4%	3.5%	100.0%
Construct Regional Water Treatment Plant	52.1%	44.4%	3.5%	100.0%
Construct Regional Water Booster Pump Station	52.1%	44.4%	3.5%	100.0%
<u>Non-regional Transmission Facilities</u>				
Construct Davis/UC Davis Transmission Pipeline	0.0%	92.7%	7.3%	100.0%
Construct Woodland Transmission Pipeline	100.0%	0.0%	0.0%	100.0%
<u>Local Facilities</u>				
Construct Local Facilities-City of Davis	0.0%	100.0%	0.0%	100.0%
Construct Local Facilities-City of Woodland	100.0%	0.0%	0.0%	100.0%
Construct Local Facilities-UC Davis	0.0%	0.0%	100.0%	100.0%
Rights for Summer Water Purchase				
Local Ground Water Supply Facilities				
New Water Wells - City of Davis	0.0%	100.0%	0.0%	100.0%
New Water Wells - City of Woodland	100.0%	0.0%	0.0%	100.0%
New Water Wells - UC Davis	0.0%	0.0%	100.0%	100.0%
Operation & Maintenance Costs - Regional & Local Facilities				
Summer Water Purchases	52.1%	44.4%	3.5%	100.0%
Operate Regional Surface Water Facilities	52.1%	44.4%	3.5%	100.0%
Operate Local Facilities-City of Woodland	100.0%	0.0%	0.0%	100.0%
Operate Local Facilities-City of Davis	0.0%	100.0%	0.0%	100.0%
Operate Local Facilities-UC Davis	0.0%	0.0%	100.0%	100.0%

Table A.4
Anticipated Annual Expenditures - All Project Partners (2006 Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR												Total	
	FY 05-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18		FY 18-19
Estimated Development Cost of Surface Water Supply Facilities														
Legal⁽¹⁾														
Ownership/Administration Structures Assistance	\$14,000	\$61,000												
Water Rights Permitting and Reclamation Approvals	\$40,000	\$50,000	\$40,000	\$40,000										
Negligible Summer Water Purchase Contracts		\$30,000	\$60,000											
Negligible Land/Easement Acquisitions		\$50,000	\$50,000	\$50,000	\$50,000									
Obtain Other Permits (404, ESK, etc.)		\$50,000	\$50,000	\$70,000										
Design Work and Financing Plan		\$40,000	\$40,000	\$40,000										
Bid Documents			\$50,000	\$50,000										
Assist Bond Counsel		\$150,000	\$150,000	\$150,000										
Subtotal Regional	\$54,000	\$241,000	\$150,000	\$230,000	\$90,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,065,000
Environmental														
NEPA Compliance/Permitting Assistance	\$50,000	\$50,000												
Environmental Mitigation	\$50,000	\$50,000	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
Subtotal Regional	\$100,000	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
Engineering⁽²⁾														
Regional Program Manager														
Revise RD 2035 Pump Station Construction Documents	\$50,000	\$100,000		\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Prepare Prop 50 Grant Application	\$30,000													
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance	\$100,000	\$200,000	\$200,000											
Land/Easement Surveys & Legal Descriptions		\$100,000	\$100,000											
Subtotal Regional	\$180,000	\$300,000	\$300,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$3,180,000
Procure Construction Docs														
Regional Facilities														
Transmission Pipelines, WTP, Booster Pump Station			\$5,224,000											
Transmission Piping from WTP to Davis Distribution System			\$856,000											
Transmission Piping from WTP to Woodland Distribution System			\$108,000											
Subtotal Regional	\$0	\$0	\$6,188,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,376,000
Local Facilities														
Local Facilities - Woodland			\$1,244,000											
Local Facilities - Davis			\$1,200,000											
Local Facilities - UC Davis			\$220,000											
Subtotal Local	\$0	\$0	\$2,664,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,328,000
Construction, Management/Inspection														
Regional Facilities														
RD 2035 Intake/Pump Station		\$15,000	\$75,000	\$60,000										
Transmission Pipelines, WTP, Booster Pump Station						\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000	\$2,177,000
Transmission Piping from WTP to Davis Distribution System						\$327,000	\$327,000	\$327,000	\$327,000	\$327,000	\$327,000	\$327,000	\$327,000	\$327,000
Transmission Piping from WTP to Woodland Distribution System						\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000
Subtotal Regional	\$0	\$15,000	\$75,000	\$60,000	\$0	\$2,579,000	\$2,579,000	\$2,579,000	\$2,579,000	\$2,579,000	\$2,579,000	\$2,579,000	\$2,579,000	\$7,887,000
Local Facilities														
Local Facilities - Woodland						\$518,000	\$518,000	\$518,000	\$518,000	\$518,000	\$518,000	\$518,000	\$518,000	\$518,000
Local Facilities - Davis						\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
Local Facilities - UC Davis						\$92,000	\$92,000	\$92,000	\$92,000	\$92,000	\$92,000	\$92,000	\$92,000	\$92,000
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$1,210,000	\$1,210,000	\$1,210,000	\$1,210,000	\$1,210,000	\$1,210,000	\$1,210,000	\$1,210,000	\$3,390,000
Engineering Services During Construction														
Regional Facilities														
RD 2035 Intake/Pump Station		\$9,000	\$45,000	\$36,000										
Transmission Pipelines, WTP, Booster Pump Station						\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000	\$1,306,000
Transmission Piping from WTP to Davis Distribution System						\$214,000	\$214,000	\$214,000	\$214,000	\$214,000	\$214,000	\$214,000	\$214,000	\$214,000
Transmission Piping from WTP to Woodland Distribution System						\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000
Subtotal Regional	\$0	\$9,000	\$45,000	\$36,000	\$0	\$1,547,000	\$1,547,000	\$1,547,000	\$1,547,000	\$1,547,000	\$1,547,000	\$1,547,000	\$1,547,000	\$4,731,000
Local Facilities														
Local Facilities - Woodland						\$311,000	\$311,000	\$311,000	\$311,000	\$311,000	\$311,000	\$311,000	\$311,000	\$311,000
Local Facilities - Davis						\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
Local Facilities - UC Davis						\$66,000	\$66,000	\$66,000	\$66,000	\$66,000	\$66,000	\$66,000	\$66,000	\$66,000
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$677,000	\$677,000	\$677,000	\$677,000	\$677,000	\$677,000	\$677,000	\$677,000	\$2,014,000
Subtotal All Regional	\$180,000	\$324,000	\$420,000	\$496,000	\$0	\$6,588,000	\$6,588,000	\$6,588,000	\$6,588,000	\$6,588,000	\$6,588,000	\$6,588,000	\$6,588,000	\$28,174,000
Subtotal All Local	\$180,000	\$324,000	\$420,000	\$496,000	\$0	\$2,249,000	\$2,249,000	\$2,249,000	\$2,249,000	\$2,249,000	\$2,249,000	\$2,249,000	\$2,249,000	\$10,656,000
Subtotal	\$360,000	\$648,000	\$840,000	\$992,000	\$0	\$8,837,000	\$8,837,000	\$8,837,000	\$8,837,000	\$8,837,000	\$8,837,000	\$8,837,000	\$8,837,000	\$38,830,000
Financial⁽³⁾														
Prepare Preliminary Rate Studies	\$25,000	\$50,000	\$50,000	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prepare Updated Rate Studies	\$25,000	\$50,000	\$50,000	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Regional	\$50,000	\$100,000	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Regional	\$50,000	\$100,000	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$50,000	\$100,000	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$175,000

Table A.4
Anticipated Annual Expenditures - All Project Partners (2006 Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR											Total		
	FY 09-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Land/RW Acquisitions														
Water Treatment Plant Site			\$600,000											
Raw Water Pipeline & WTP to WTP turnout Pipeline Easements			\$182,000											
Easements for Transmission Piping from WTP to Davis Distribution System			\$369,000											
Easements for Transmission Piping from WTP to Woodland Distribution System			\$47,000											
Subtotal Regional	\$0	\$0	\$1,198,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,796,000
Construction⁽¹⁾														
Regional Facilities														
Construct RD 2036 Intake/Pump Station		\$300,000	\$1,500,000	\$1,200,000										
Construct Regional Transmission Pipelines				\$9,700,000	\$9,700,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Construct Regional Water Treatment Plant				\$29,333,333	\$29,333,333	\$29,333,333	\$1,833,333	\$1,833,333	\$1,833,333	\$1,833,333	\$1,833,333	\$1,833,333	\$1,833,333	\$1,833,333
Construct Regional Water Booster Pump Station				\$4,500,000	\$4,500,000	\$4,500,000	\$22,200,000	\$22,200,000	\$22,200,000	\$22,200,000	\$22,200,000	\$22,200,000	\$22,200,000	\$22,200,000
Construct Davis/UC Davis Transmission Pipeline				\$7,133,000	\$7,133,000	\$7,133,000	\$73,766,333	\$73,766,333	\$73,766,333	\$73,766,333	\$73,766,333	\$73,766,333	\$73,766,333	\$73,766,333
Construct Woodland Transmission Pipeline				\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
Subtotal Regional	\$0	\$300,000	\$1,500,000	\$1,200,000	\$0	\$0	\$51,566,333	\$51,566,333	\$51,566,333	\$0	\$0	\$0	\$0	\$0
Local Facilities														
Construct Local Facilities-City of Davis														
Construct Local Facilities-City of Woodland														
Construct Local Facilities-UC Davis														
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$10,366,667	\$10,366,667	\$10,366,667	\$10,366,667	\$10,366,667	\$10,366,667	\$10,366,667	\$10,366,667
Options for Summer Water Purchase														
Regional Subtotal	\$309,000	\$965,000	\$2,120,000	\$4,124,000	\$8,276,000	\$8,038,000	\$57,092,333	\$57,092,333	\$57,092,333	\$500,000	\$0	\$0	\$0	\$195,609,000
Local Subtotal	\$0	\$0	\$0	\$1,244,000	\$1,244,000	\$2,684,000	\$12,615,667	\$12,615,667	\$12,615,667	\$12,780,333	\$0	\$0	\$0	\$77,256,000
Regional Contingencies @ 10%	\$30,900	\$96,500	\$212,000	\$412,400	\$827,600	\$803,800	\$5,709,233	\$5,709,233	\$5,709,233	\$50,000	\$0	\$0	\$0	\$1,956,000
Local Contingencies @ 10%	\$0	\$0	\$0	\$124,400	\$124,400	\$268,400	\$1,261,567	\$1,261,567	\$1,261,567	\$1,278,033	\$0	\$0	\$0	\$7,725,600
Totals - Development Costs of Surface Water Facilities	\$339,900	\$1,061,500	\$2,332,000	\$4,536,400	\$9,103,600	\$8,841,800	\$62,801,567	\$62,801,567	\$62,801,567	\$550,000	\$0	\$0	\$0	\$215,169,900
Regional	\$0	\$0	\$0	\$1,368,400	\$2,530,400	\$13,877,233	\$28,373,000	\$28,373,000	\$28,373,000	\$14,606,367	\$0	\$0	\$0	\$84,961,000
Local	\$339,900	\$1,061,500	\$2,332,000	\$4,536,400	\$10,472,000	\$11,772,200	\$76,678,000	\$76,678,000	\$76,678,000	\$14,606,367	\$0	\$0	\$0	\$300,151,500
Total														
(Estimated Total Development Cost of Surface Water Supply Facilities, 2008 - 2020, mid-2006 cost basis)														
Estimated Operation & Maintenance Costs - All Water Supply Facilities														
Operate Regional Surface Water Facilities				\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000
Totals - Operation & Maintenance Cost of All Facilities	\$0	\$0	\$0	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000	\$144,000
ESTIMATED TOTAL ANNUAL COSTS - ALL WATER SUPPLY FACILITIES	\$339,900	\$1,061,500	\$2,332,000	\$4,680,400	\$10,616,000	\$11,916,200	\$76,822,800	\$76,822,800	\$76,822,800	\$17,356,367	\$5,500,000	\$5,500,000	\$5,500,000	\$325,785,500

Assumptions:
 (1) Construction Costs per Option 1 Construction Cost Estimate 12/1/06. See Table A.1, Planning Level Construction Cost Estimates - Total Paid by Partners.
 (2) Engineering & Bond Costs based on percentage of construction costs. See Engineering & Bond Costs Worksheet, Table A.2.
 (3) Legal costs were revised based on emails dated July 12, 2007 and July 18, 2007 from Alan Lilly to West Yost Associates. Annual legal costs before revisions are shown below and total \$604,000. Legal costs after revisions total \$1,065,000.

FY 09-07	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Total
\$115,000	\$100,000	\$80,000	\$84,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$604,000
	\$100,000	\$80,000	\$84,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$604,000

Table A.5
Anticipated Annual Expenditures - All Project Partners (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR ⁽¹⁾											Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Estimated Development Cost of Surface Water Supply Facilities														
Legal⁽²⁾														
Ownership/Administration Structure Assistance	\$14,000	\$65,270												
Water Rights Permitting and Reclamation Approvals	\$40,000	\$63,500	\$44,940	\$47,187										
Negotiate Summer Water Purchase Contracts		\$32,100	\$67,410	\$58,984	\$61,933	\$65,030								
Negotiate Land/Easement Acquisitions		\$63,500												
Obtain Other Permits (404, ESA, etc.)		\$63,500	\$56,175	\$82,577	\$49,546	\$65,030								
Design Work and Financing Plan				\$47,187		\$65,030								
Bid Documents						\$65,030								
Assist Bond Counsel						\$195,089								
Subtotal Regional	\$64,000	\$267,870	\$188,525	\$271,325	\$111,479	\$380,176	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,263,377
Environmental	\$50,000	\$53,500												
NEPA Compliance/Permitting Assistance						\$130,059								
Environmental Mitigation						\$130,059								
Subtotal Regional	\$50,000	\$53,500	\$0	\$0	\$0	\$130,059	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$233,559
Engineering	\$50,000	\$107,000												
Regional Program Manager				\$471,870	\$485,464	\$520,237	\$546,249	\$573,561	\$602,239					
Revise RD 2035 Pump Station Construction Documents	\$50,000													
Prepare Prop 50 Grant Application														
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance	\$100,000	\$214,000												
Land/Easement Surveys & Legal Descriptions		\$112,350												
Subtotal Regional	\$180,000	\$321,000	\$337,950	\$471,870	\$485,464	\$520,237	\$546,249	\$573,561	\$602,239	\$0	\$0	\$0	\$0	\$4,047,669
Process Construction Docs														
Regional Facilities														
Transmission Pipelines, WTP - Booster Pump Station				\$6,470,753	\$6,794,291									
Transmission Piping from WTP to Davis Distribution System				\$1,060,292	\$1,113,306									
Transmission Piping from WTP to Woodland Distribution System				\$133,775	\$140,464									
Subtotal Regional	\$0	\$0	\$0	\$7,664,820	\$8,048,061	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,712,882
Local Facilities														
Local Facilities - Woodland				\$1,617,936	\$1,698,833									
Local Facilities - Davis					\$1,560,710	\$1,638,746								
Local Facilities - UC Davis					\$286,130	\$306,437								
Subtotal Local	\$0	\$0	\$0	\$1,617,936	\$3,545,673	\$1,638,182	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,102,791
Construction Management/Inspection														
Regional Facilities														
RD 2035 Intake/Pump Station	\$16,050	\$94,263		\$70,781										
Transmission Pipelines, WTP - Booster Pump Station														
Transmission Piping from WTP to Davis Distribution System														
Transmission Piping from WTP to Woodland Distribution System														
Subtotal Regional	\$16,050	\$94,263	\$0	\$70,781	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,274,000
Local Facilities														
Local Facilities - Woodland														
Local Facilities - Davis														
Local Facilities - UC Davis														
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,017,619
Engineering Services During Construction														
Regional Facilities														
RD 2035 Intake/Pump Station	\$9,630	\$50,558		\$42,468										
Transmission Pipelines, WTP - Booster Pump Station														
Transmission Piping from WTP to Davis Distribution System														
Transmission Piping from WTP to Woodland Distribution System														
Subtotal Regional	\$9,630	\$50,558	\$42,468	\$42,468	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,762,678
Local Facilities														
Local Facilities - Woodland														
Local Facilities - Davis														
Local Facilities - UC Davis														
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,017,619
Financial														
Prepare Preliminary Rate Studies	\$25,000													
Prepare Updated Rate Studies														
Subtotal Regional	\$25,000	\$56,175	\$0	\$0	\$0	\$85,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Regional	\$25,000	\$56,175	\$0	\$0	\$0	\$85,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,705
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$25,000	\$56,175	\$0	\$0	\$0	\$85,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,705

Table A.5
Anticipated Annual Expenditures - All Project Partners (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR ⁽¹⁾											Total			
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19	FY 19-20
Land/RRW Acquisitions															
<i>Regional Facilities</i>															
Water Treatment Plant Site				\$707,805											
Raw Water Pipeline & WTP to WTP turnout Pipeline Easements			\$225,436	\$214,701											
Easements for Transmission Piping from WTP to Davis Distribution System			\$435,300	\$457,065											
Easements for Transmission Piping from WTP to Woodland Distribution System			\$55,445	\$56,217											
Subtotal Regional	\$0	\$0	\$740,718	\$1,413,251	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,153,069
<i>Construction</i>															
Construct RD 2035 Intake/Pump Station		\$321,000	\$1,685,250	\$1,415,610											
Construct Regional Transmission Pipelines					\$13,908,853	\$14,604,295									
Construct Regional Water Treatment Plant					\$40,058,224	\$42,061,135	\$44,164,182								
Construct Regional Water Booster Pump Station					\$6,145,296	\$6,452,561	\$6,775,189								
Construct Davis/UC Davis Transmission Pipeline					\$9,740,977	\$10,228,025	\$10,730,427								
Construct Woodland Transmission Pipeline					\$1,229,059	\$1,290,512	\$1,355,038								
Subtotal Regional	\$0	\$321,000	\$1,685,250	\$1,415,610	\$0	\$70,420,082	\$73,941,086	\$77,538,140	\$0	\$0	\$0	\$0	\$0	\$0	\$225,421,168
<i>Local Facilities</i>															
Construct Local Facilities-City of Davis					\$14,339,023	\$15,055,975	\$15,808,773								
Construct Local Facilities-City of Woodland					\$14,864,788	\$15,608,027	\$16,388,428								
Construct Local Facilities-UC Davis					\$2,628,821	\$2,760,262	\$2,899,275								
Subtotal Local	\$0	\$0	\$0	\$0	\$14,864,788	\$32,575,871	\$34,704,665	\$18,707,048	\$0	\$0	\$0	\$0	\$0	\$0	\$100,352,372
Subtotal	\$0	\$321,000	\$1,685,250	\$1,415,610	\$0	\$85,294,869	\$106,516,957	\$111,242,805	\$18,707,048	\$0	\$0	\$0	\$0	\$0	\$325,773,539
<i>Options for Summer Water Purchase</i>															
Regional Subtotal	\$300,000	\$1,032,550	\$2,381,820	\$4,864,980	\$10,251,140	\$10,454,156	\$77,966,505	\$81,864,830	\$65,950,072	\$790,439	\$0	\$0	\$0	\$0	\$275,873,491
Local Subtotal	\$0	\$0	\$0	\$0	\$1,817,936	\$3,545,673	\$7,992,675	\$35,181,917	\$36,941,013	\$20,204,139	\$0	\$0	\$0	\$0	\$115,483,353
Regional Contingencies @ 10%	\$31,000	\$103,000	\$235,000	\$486,000	\$1,025,000	\$1,045,000	\$7,797,000	\$8,186,000	\$8,896,000	\$79,000	\$0	\$0	\$0	\$0	\$27,586,000
Local Contingencies @ 10%	\$0	\$0	\$0	\$0	\$182,000	\$355,000	\$1,799,000	\$3,518,000	\$3,694,000	\$2,020,000	\$0	\$0	\$0	\$0	\$11,548,000
Totals - Development Costs of Surface Water Facilities	\$340,000	\$1,135,550	\$2,619,820	\$5,350,980	\$11,276,140	\$11,499,156	\$85,763,505	\$90,050,830	\$94,554,072	\$869,439	\$0	\$0	\$0	\$0	\$303,459,491
Local	\$0	\$0	\$0	\$0	\$1,779,936	\$3,901,673	\$19,791,675	\$38,699,917	\$40,635,013	\$22,224,139	\$0	\$0	\$0	\$0	\$127,031,353
Total	\$340,000	\$1,135,550	\$2,619,820	\$5,350,980	\$13,056,076	\$15,399,829	\$105,555,180	\$128,750,747	\$135,189,084	\$23,093,578	\$0	\$0	\$0	\$0	\$430,490,844
(Estimated Total Development Cost of Surface Water Supply Facilities, 2006 - 2020, mid-2006 cost basis)															
Estimated Operation & Maintenance Costs - All Water Supply Facilities															
<i>Summer Water Purchases</i>															
Operate Regional Surface Water Facilities				\$189,873	\$178,367	\$187,285	\$196,649	\$206,482	\$216,806	\$2,371,316	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$11,250,000
Totals - Operation & Maintenance Cost of All Facilities	\$0	\$0	\$0	\$189,873	\$178,367	\$187,285	\$196,649	\$206,482	\$216,806	\$3,621,316	\$7,728,752	\$7,980,189	\$8,264,099	\$8,264,099	\$36,240,182
ESTIMATED TOTAL ANNUAL COSTS - ALL WATER SUPPLY FACILITIES	\$340,000	\$1,135,550	\$2,619,820	\$5,520,853	\$13,234,443	\$15,587,114	\$105,751,829	\$128,957,229	\$135,405,891	\$26,714,894	\$7,728,752	\$7,980,189	\$8,264,099	\$8,264,099	\$466,731,026
Assumptions:															
(1) Project costs from FY 07-08 onward were escalated by the cumulative % below:															
Annual percent escalation >	7.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Cumulative percent escalation >	7.0%	12.4%	18.0%	23.9%	30.1%	36.6%	43.4%	50.6%	58.1%	66.0%	74.3%	83.0%	92.2%	92.2%	92.2%
(2) Legal costs were revised based on emails dated July 12, 2007 and July 18, 2007 from Alan Lilly to West Coast Associates: Annual legal costs before revisions are shown below and total \$689,716. Legal costs after revisions total \$1,253,371.															
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Total
Legal costs before changes >	\$115,000	\$123,050	\$112,350	\$98,083	\$98,083	\$122,256	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$689,716

Table A.6
Anticipated Annual Expenditures - City of Davis (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR											Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Estimated Development Cost of Surface Water Supply Facilities														
Legal														
Ownership/Administration Structure Assistance	\$6,216	\$28,981		\$20,952										
Water Rights Permitting and Reclamation Approvals	\$17,761	\$23,755	\$19,864	\$20,952										
Negotiate Summer Water Purchase Contracts		\$14,253	\$29,931	\$15,714										
Negotiate Land/Easement Acquisitions		\$23,755	\$26,190	\$26,190	\$27,469	\$28,874								
Obtain Other Permits (404, ESA, etc.)		\$23,755	\$24,943	\$20,952	\$21,969	\$28,874								
Design Work and Financing Plan					\$21,969	\$28,874								
Bid Documents					\$28,874	\$28,874								
Assist Bond Counsel					\$86,622	\$86,622								
Subtotal Regional	\$23,977	\$114,498	\$74,828	\$120,473	\$49,499	\$173,245	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$658,519
Environmental														
NEPA Compliance/Permitting Assistance	\$22,200	\$23,750				\$57,750								
Environmental Mitigation						\$57,750								
Subtotal Regional	\$22,200	\$23,750	\$0	\$0	\$0	\$57,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$103,700
Engineering														
Regional Program Manager		\$47,510				\$230,990	\$242,540	\$254,670	\$267,400					
Revise RD 2035 Pump Station Construction Documents	\$22,200			\$209,520	\$219,980	\$230,990	\$242,540	\$254,670	\$267,400					
Prepare Prop 50 Grant Application	\$13,320													
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance	\$44,400	\$96,020	\$99,770											
Land/Easement Surveys & Legal Descriptions		\$49,890	\$49,890											
Subtotal Regional	\$79,920	\$142,530	\$149,660	\$209,520	\$219,980	\$230,990	\$242,540	\$254,670	\$267,400	\$0	\$0	\$0	\$0	\$1,797,220
Private Construction Costs														
Regional Facilities														
Transmission Pipelines, WTP, Booster Pump Station		\$2,873,110			\$3,016,770									
Transmission Piping from WTP to Davis Distribution System		\$963,340			\$1,032,500									
Transmission Piping from WTP to Woodland Distribution System					\$0									
Subtotal Regional	\$0	\$0	\$0	\$0	\$3,856,450	\$4,049,270	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,905,720
Local Facilities														
Local Facilities - Woodland					\$0	\$1,561,000	\$1,639,000							
Local Facilities - Davis						\$0	\$0							
Local Facilities - UC Davis						\$0	\$0							
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$1,561,000	\$1,639,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,200,000
Construction Management/Inspection														
Regional Facilities														
RD 2035 Intake/Pump Station		\$7,100	\$37,400	\$31,400			\$1,320,000	\$1,386,000	\$1,455,300					
Transmission Pipelines, WTP, Booster Pump Station							\$452,000	\$475,000	\$498,000					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$0	\$0	\$0					
Subtotal Regional	\$0	\$7,100	\$37,400	\$31,400	\$0	\$0	\$1,772,000	\$1,861,000	\$1,953,300	\$0	\$0	\$0	\$0	\$5,662,200
Local Facilities														
Local Facilities - Woodland							\$0	\$0	\$0	\$790,000				
Local Facilities - Davis							\$0	\$0	\$0	\$0				
Local Facilities - UC Davis							\$0	\$0	\$0	\$0				
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$790,000	\$0	\$0	\$0	\$2,280,000
Engineering Services During Construction														
Regional Facilities														
RD 2035 Intake/Pump Station		\$4,300	\$22,400	\$18,900			\$791,900	\$831,500	\$873,100					
Transmission Pipelines, WTP, Booster Pump Station							\$271,000	\$285,000	\$299,000					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$0	\$0	\$0					
Subtotal Regional	\$0	\$4,300	\$22,400	\$18,900	\$0	\$0	\$1,062,900	\$1,116,500	\$1,172,100	\$0	\$0	\$0	\$0	\$3,397,100
Local Facilities														
Local Facilities - Woodland							\$0	\$0	\$0	\$474,000				
Local Facilities - Davis							\$0	\$0	\$0	\$0				
Local Facilities - UC Davis							\$0	\$0	\$0	\$0				
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$474,000	\$0	\$0	\$0	\$1,356,000
Financial														
Prepare Preliminary Rate Studies	\$12,500	\$26,750	\$26,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prepare Updated Rate Studies	\$12,500	\$26,750	\$26,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,850
Subtotal Regional	\$12,500	\$26,750	\$26,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,850
Subtotal All Regional														
Subtotal All Regional	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$12,500	\$26,750	\$26,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,850
Subtotal	\$12,500	\$26,750	\$26,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,850

Table A.6
Anticipated Annual Expenditures - City of Davis (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR												Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18		FY 18-19	FY 19-20
Land/IRW Acquisitions															
<i>Regional Facilities</i>															
Water Treatment Plant Site				\$314,280											
Raw Water Pipeline & WTP to WTP Turnout Pipeline Easements				\$95,330	\$100,100										
Easements for Transmission Piping from WTP to Davis Distribution System				\$403,710	\$423,890										
Easements for Transmission Piping from WTP to Woodland Distribution System				\$0	\$0										
Subtotal Regional	\$0	\$0	\$0	\$813,320	\$523,990	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,337,310
<i>Construction</i>															
<i>Regional Facilities</i>															
Construct RD 2035 Inlet/Pump Station		\$142,530	\$748,260	\$628,550				\$5,881,660	\$6,175,750	\$6,484,530					
Construct Regional Transmission Pipelines								\$17,786,470	\$18,675,790	\$19,609,580					
Construct Regional Water Treatment Plant								\$2,728,610	\$2,865,040	\$3,008,290					
Construct Regional Water Booster Pump Station								\$9,033,970	\$9,485,670	\$9,968,950					
Construct Davis/UC Davis Transmission Pipeline															
Construct Woodland Transmission Pipeline															
Subtotal Regional	\$0	\$142,530	\$748,260	\$628,550	\$0	\$0	\$35,430,710	\$37,202,250	\$39,062,350	\$0	\$0	\$0	\$0	\$0	\$113,214,670
<i>Local Facilities</i>															
Construct Local Facilities-City of Davis							\$14,339,023	\$15,055,975	\$15,808,773						
Construct Local Facilities-City of Woodland							\$0	\$0	\$0						
Construct Local Facilities-UC Davis							\$0	\$0	\$0						
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$14,339,023	\$15,055,975	\$15,808,773	\$0	\$0	\$0	\$0	\$0	\$45,203,771
Options for Summer Water Purchase															
Regional Subtotal	\$138,597	\$507,458	\$1,060,668	\$2,345,953	\$5,199,909	\$5,121,245	\$39,114,510	\$41,071,090	\$43,123,660	\$390,970	\$0	\$0	\$0	\$0	\$3,913,760
Local Subtotal	\$14,000	\$46,000	\$106,000	\$235,000	\$520,000	\$512,000	\$3,911,000	\$4,107,000	\$4,312,000	\$35,000	\$0	\$0	\$0	\$0	\$52,018,771
Regional Contingencies @ 10%															
Local Contingencies @ 10%															
Totals - Development Costs of Surface Water Facilities	\$152,597	\$507,458	\$1,166,668	\$2,580,953	\$5,719,909	\$5,633,245	\$43,025,510	\$45,178,090	\$47,435,660	\$395,970	\$0	\$0	\$0	\$0	\$151,766,049
Regional	\$0	\$0	\$0	\$0	\$0	\$1,717,000	\$1,803,000	\$17,035,023	\$17,896,975	\$18,779,773	\$0	\$0	\$0	\$0	\$57,221,771
Local	\$152,597	\$507,458	\$1,166,668	\$2,580,953	\$5,719,909	\$7,350,245	\$44,828,510	\$62,213,113	\$65,322,635	\$19,165,743	\$0	\$0	\$0	\$0	\$209,007,820
(Estimated Total Development Cost of Surface Water Supply Facilities, 2006 - 2020, mid-2006 cost basis)															
Estimated Operation & Maintenance Costs - All Water Supply Facilities															
<i>Summer Water Purchases</i>															
Operate Regional Surface Water Facilities				\$75,430	\$79,200	\$83,160	\$87,320	\$91,680	\$96,270	\$1,052,900	\$1,110,040	\$1,110,040	\$1,110,040	\$1,110,040	\$4,995,000
Totals - Operation & Maintenance Cost of All Facilities	\$0	\$0	\$0	\$75,430	\$79,200	\$83,160	\$87,320	\$91,680	\$96,270	\$1,607,920	\$3,321,130	\$3,431,090	\$3,547,770	\$3,669,660	\$16,091,000
ESTIMATED TOTAL ANNUAL COSTS - ALL WATER SUPPLY FACILITIES	\$152,597	\$507,458	\$1,166,668	\$2,656,383	\$5,799,109	\$7,433,405	\$44,915,830	\$65,304,793	\$65,416,905	\$20,773,063	\$3,321,130	\$3,431,090	\$3,547,770	\$3,669,660	\$225,099,000

Notes:
(1) Costs for each participant are based on the total costs shown in Table A.5 times the percent allocations shown in Table A.3.

Table A.7
Anticipated Annual Expenditures - City of Woodland (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR											Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Estimated Development Cost of Surface Water Supply Facilities														
Legal														
Ownership/Administration Structure Assistance	\$7,297	\$34,021												
Water Rights Permitting and Reclamation Approvals	\$20,849	\$27,886	\$24,424	\$24,596										
Negotiate Summer Water Purchase Contracts		\$16,732	\$35,136	\$18,447										
Negotiate Land/Easement Acquisitions		\$27,886	\$30,744	\$33,896										
Obtain Other Permits (404, ESA, etc.)		\$27,886	\$29,280	\$32,282										
Design Work and Financing Plan			\$24,596	\$43,042										
Bid Documents				\$33,896										
Assist Bond Counsel				\$33,896										
				\$101,687										
Subtotal Regional	\$28,147	\$134,411	\$87,841	\$141,424	\$56,107	\$203,374	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$653,305
Environmental														
NEPA Compliance/Permitting Assistance	\$26,060	\$27,890												
Environmental Mitigation						\$67,790								
Subtotal Regional	\$26,060	\$27,890	\$0	\$0	\$0	\$67,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,740
Engineering														
Regional Program Manager														
Revise RD 2035 Pump Station Construction Documents		\$55,770												
Prepare Prop 50 Grant Application		\$15,640												
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance		\$111,540												
Land/Easement Surveys & Legal Descriptions		\$58,560												
Subtotal Regional	\$63,820	\$167,310	\$175,680	\$245,960	\$259,250	\$271,170	\$284,720	\$298,960	\$313,910	\$0	\$0	\$0	\$0	\$2,109,780
Private Construction Costs														
Regional Facilities														
Transmission Pipelines, WTP, Booster Pump Station					\$3,372,780	\$3,541,430								
Transmission Piping from WTP to Davis Distribution System					\$0	\$0								
Transmission Piping from WTP to Woodland Distribution System					\$133,780	\$140,460								
Subtotal Regional	\$0	\$0	\$0	\$0	\$3,506,570	\$3,681,890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,188,460
Local Facilities														
Local Facilities - Woodland					\$1,618,000	\$1,699,000								
Local Facilities - Davis					\$0	\$0								
Local Facilities - UC Davis					\$0	\$0								
Subtotal Local	\$0	\$0	\$0	\$0	\$1,618,000	\$1,699,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,317,000
Construction Management/Inspection														
RD 2035 Intake/Pump Station		\$8,400	\$43,900	\$36,900										
Transmission Pipelines, WTP, Booster Pump Station							\$1,549,600	\$1,627,100	\$1,706,400					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$61,500	\$64,500	\$67,800					
Subtotal Regional	\$0	\$8,400	\$43,900	\$36,900	\$0	\$0	\$1,611,100	\$1,691,600	\$1,776,200	\$0	\$0	\$0	\$0	\$5,168,100
Local Facilities														
Local Facilities - Woodland							\$740,000	\$780,000	\$820,000					
Local Facilities - Davis							\$0	\$0	\$0					
Local Facilities - UC Davis							\$0	\$0	\$0					
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$740,000	\$780,000	\$820,000	\$0	\$0	\$0	\$0	\$3,317,000
Engineering Services During Construction														
RD 2035 Intake/Pump Station		\$5,000	\$28,400	\$22,100										
Transmission Pipelines, WTP, Booster Pump Station							\$829,600	\$976,100	\$1,024,900					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$38,900	\$38,700	\$40,700					
Subtotal Regional	\$0	\$5,000	\$28,400	\$22,100	\$0	\$0	\$968,500	\$1,014,800	\$1,065,600	\$0	\$0	\$0	\$0	\$3,100,400
Local Facilities														
Local Facilities - Woodland							\$450,000	\$470,000	\$490,000					
Local Facilities - Davis							\$0	\$0	\$0					
Local Facilities - UC Davis							\$0	\$0	\$0					
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$450,000	\$470,000	\$490,000	\$0	\$0	\$0	\$0	\$1,410,000
Subtotal All Regional	\$63,820	\$180,710	\$245,980	\$304,960	\$3,764,820	\$3,953,060	\$2,862,320	\$3,085,360	\$3,155,710	\$0	\$0	\$0	\$0	\$17,566,740
Subtotal All Local	\$0	\$0	\$0	\$0	\$1,618,000	\$1,699,000	\$1,280,000	\$1,310,000	\$1,310,000	\$0	\$0	\$0	\$0	\$7,067,000
Subtotal	\$63,820	\$180,710	\$245,980	\$304,960	\$5,382,820	\$5,652,060	\$4,142,320	\$4,395,360	\$4,465,710	\$0	\$0	\$0	\$0	\$24,633,740
Financial														
Prepare Preliminary Rate Studies	\$12,500	\$26,750	\$28,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prepare Updated Rate Studies	\$12,500	\$26,750	\$28,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$399,850
Subtotal Regional	\$12,500	\$26,750	\$28,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$399,850
Subtotal All Regional	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$12,500	\$26,750	\$28,090	\$0	\$0	\$32,510	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$399,850

Table A.7
Anticipated Annual Expenditures - City of Woodland (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR											Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Land/WW Acquisitions														
<i>Regional Facilities</i>														
Water Treatment Plant Site														
Raw Water Pipeline & WTP to WTP turnout Pipeline Easements														
Easements for Transmission Piping from WTP to Davis Distribution System														
Easements for Transmission Piping from WTP to Woodland Distribution System														
Subtotal Regional	\$0	\$0	\$0	\$536,280	\$175,730	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction														
<i>Regional Facilities</i>														
Construct RD 2035 Intake/Pump Station		\$167,320	\$878,410	\$737,870										
Construct Regional Transmission Pipelines														
Construct Regional Water Treatment Plant														
Construct Regional Water Booster Pump Station														
Construct Davis/UC Davis Transmission Pipeline														
Construct Woodland Transmission Pipeline														
Subtotal Regional	\$0	\$167,320	\$878,410	\$737,870	\$0	\$0	\$32,216,540	\$33,827,360	\$35,518,740	\$0	\$0	\$0	\$0	\$0
<i>Local Facilities</i>														
Construct Local Facilities-City of Davis														
Construct Local Facilities-City of Woodland														
Construct Local Facilities-UC Davis														
Subtotal Local	\$0	\$0	\$0	\$737,870	\$0	\$0	\$14,864,788	\$15,608,027	\$16,388,428	\$0	\$0	\$0	\$0	\$0
Options for Summer Water Purchase														
Regional Subtotal	\$160,527	\$537,081	\$1,240,321	\$2,335,424	\$4,644,287	\$4,934,644	\$35,790,670	\$37,580,120	\$39,459,220	\$412,000	\$0	\$0	\$0	\$0
Local Subtotal	\$16,000	\$0	\$0	\$0	\$1,618,000	\$1,699,000	\$16,054,788	\$16,858,027	\$17,698,428	\$0	\$0	\$0	\$0	\$0
Regional Contingencies @ 10%														
Local Contingencies @ 10%														
Totals - Development Costs of Surface Water Facilities	\$176,527	\$591,081	\$1,364,321	\$2,589,424	\$5,108,287	\$5,427,644	\$39,386,670	\$41,338,120	\$43,405,220	\$453,000	\$0	\$0	\$0	\$0
Regional	\$176,527	\$591,081	\$1,364,321	\$2,589,424	\$5,108,287	\$5,427,644	\$39,386,670	\$41,338,120	\$43,405,220	\$453,000	\$0	\$0	\$0	\$0
Local	\$0	\$0	\$0	\$0	\$1,618,000	\$1,699,000	\$16,054,788	\$16,858,027	\$17,698,428	\$0	\$0	\$0	\$0	\$0
Total	\$176,527	\$591,081	\$1,364,321	\$2,589,424	\$6,686,287	\$7,296,644	\$57,028,458	\$59,862,147	\$62,873,648	\$453,000	\$0	\$0	\$0	\$0
(Estimated Total Development Cost of Surface Water Supply Facilities, 2006 - 2020, mid-2008 cost basis)														
Estimated Operation & Maintenance Costs - All Water Supply Facilities														
<i>Summer Water Purchases</i>														
Operator Regional Surface Water Facilities														
Totals - Operation & Maintenance Cost of All Facilities	\$0	\$0	\$0	\$88,540	\$82,970	\$87,620	\$102,500	\$107,650	\$113,010	\$1,296,010	\$2,595,650	\$2,725,410	\$2,861,660	\$3,004,770
ESTIMATED TOTAL ANNUAL COSTS - ALL WATER SUPPLY FACILITIES	\$176,527	\$591,081	\$1,364,321	\$2,657,964	\$6,861,257	\$7,394,264	\$57,131,958	\$59,989,777	\$62,986,658	\$2,340,550	\$3,888,720	\$4,028,500	\$4,164,770	\$4,307,860
Notes:														
(1) Costs for each participant are based on the total costs shown in Table A.5 times the percent allocations shown in Table A.3.														

Table A.8
Anticipated Annual Expenditures - UC Davis (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR											Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17		FY 17-18	FY 18-19
Estimated Development Cost of Surface Water Supply Facilities														
Legal														
Ownership/Administration Structure Assistance	\$466	\$2,268												
Water Rights Permitting and Reclamation Approvals	\$1,390	\$1,859	\$1,562	\$1,640										
Negotiate Summer Water Purchase Contracts		\$1,115	\$2,342	\$1,230										
Negotiate Land/Easement Acquisitions		\$1,859		\$2,050	\$2,152	\$2,260								
Obtain Other Permits (404, ESA, etc.)		\$1,859	\$1,952	\$2,869										
Design Work and Financing Plan				\$1,640	\$1,722	\$2,260								
Bid Documents						\$2,260								
Assist Bond Counsel						\$6,779								
Subtotal Regional	\$1,876	\$8,061	\$5,856	\$9,428	\$3,874	\$13,558	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,554
Environmental														
NEPA Compliance/Permitting Assistance	\$1,740	\$1,860				\$4,520								
Environmental Mitigation						\$4,520								
Subtotal Regional	\$1,740	\$1,860	\$0	\$0	\$0	\$4,520	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,120
Engineering														
Regional Program Manager	\$1,740	\$3,720				\$18,080	\$18,980	\$19,930	\$20,930					
Revise RD 2035 Pump Station Construction Documents														
Prepare Prop 50 Grant Application	\$1,040													
Prepare Pre-Design Reports, Update Cost Estimates, General Assistance	\$3,470	\$7,440	\$7,810											
Land/Easement Surveys & Legal Descriptions			\$3,900											
Subtotal Regional	\$6,250	\$11,160	\$11,710	\$16,400	\$17,220	\$18,080	\$18,980	\$19,930	\$20,930	\$0	\$0	\$0	\$0	\$140,660
Prepare Construction Docs														
Regional Facilities														
Transmission Pipelines, WTP, Booster Pump Station			\$224,850	\$236,100										
Transmission Piping from WTP to Davis Distribution System			\$76,960	\$80,800										
Transmission Piping from WTP to Woodland Distribution System			\$0	\$0										
Subtotal Regional	\$0	\$0	\$301,810	\$316,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$618,710
Local Facilities														
Local Facilities - Woodland			\$0	\$0										
Local Facilities - Davis			\$0	\$0										
Local Facilities - UC Davis			\$286,000	\$286,000										
Subtotal Local	\$0	\$0	\$286,000	\$286,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$568,000
Construction Management/Inspection														
Regional Facilities														
RD 2035 Intake/Pump Station	\$560	\$560	\$2,930	\$2,460			\$103,300	\$108,500	\$113,900					
Transmission Pipelines, WTP, Booster Pump Station							\$39,000	\$37,000	\$39,000					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$136,300	\$145,500	\$152,900					
Subtotal Regional	\$0	\$560	\$2,930	\$2,460	\$0	\$0	\$136,300	\$145,500	\$152,900	\$0	\$0	\$0	\$0	\$442,660
Local Facilities														
Local Facilities - Woodland							\$0	\$0	\$0					
Local Facilities - Davis							\$0	\$0	\$0					
Local Facilities - UC Davis							\$132,000	\$132,000	\$132,000					
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	\$0	\$0	\$416,000
Engineering Services During Construction														
Regional Facilities														
RD 2035 Intake/Pump Station	\$330	\$330	\$1,760	\$1,480			\$62,000	\$65,100	\$68,300					
Transmission Pipelines, WTP, Booster Pump Station							\$21,000	\$22,000	\$23,000					
Transmission Piping from WTP to Davis Distribution System							\$0	\$0	\$0					
Transmission Piping from WTP to Woodland Distribution System							\$83,000	\$87,100	\$91,300					
Subtotal Regional	\$0	\$330	\$1,760	\$1,480	\$0	\$0	\$62,000	\$65,100	\$68,300	\$0	\$0	\$0	\$0	\$264,970
Local Facilities														
Local Facilities - Woodland							\$0	\$0	\$0					
Local Facilities - Davis							\$0	\$0	\$0					
Local Facilities - UC Davis							\$79,000	\$83,000	\$87,000					
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$79,000	\$83,000	\$87,000	\$0	\$0	\$0	\$0	\$249,000
Subtotal All Regional	\$6,250	\$12,050	\$16,400	\$20,340	\$319,030	\$324,080	\$240,280	\$252,530	\$265,130	\$0	\$0	\$0	\$0	\$1,466,960
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$286,000	\$211,000	\$222,000	\$232,000	\$0	\$0	\$0	\$0	\$1,251,000
Subtotal	\$6,250	\$12,050	\$16,400	\$20,340	\$319,030	\$620,980	\$467,280	\$463,530	\$467,130	\$0	\$0	\$0	\$0	\$2,717,960
Financial														
Prepare Preliminary Rate Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prepare Updated Rate Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Regional	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Regional	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal All Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Table A.8
Anticipated Annual Expenditures - UC Davis (Nominal Dollars)

ACTION OR COST CATEGORY	FISCAL YEAR												Total		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18		FY 18-19	FY 19-20
Land/URW Acquisitions															
Regional Caneland Plant Site															
Raw Water Pipeline & WTP to WTP turnout Pipeline Easements					\$7,830										
Easements for Transmission Piping from WTP to Davis Distribution System					\$33,170										
Easements for Transmission Piping from WTP to Woodland Distribution System					\$0										
Subtotal Regional	\$0	\$0	\$0	\$83,650	\$41,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,650
Construction															
Regional Facilities															
Construct RD 2035 Inlet/Pump Station		\$11,150	\$58,560	\$49,190			\$460,300	\$483,320	\$507,480						
Construct Regional Transmission Pipelines							\$1,391,980	\$1,461,580	\$1,534,660						
Construct Regional Water Treatment Plant							\$213,540	\$224,220	\$235,430						
Construct Regional Water Booster Pump Station							\$707,010	\$742,360	\$779,470						
Construct Davis/UC Davis Transmission Pipeline							\$0	\$0	\$0						
Construct Woodland Transmission Pipeline							\$2,772,830	\$2,911,480	\$3,057,050						
Subtotal Regional	\$0	\$11,150	\$58,560	\$49,190	\$0	\$0	\$2,772,830	\$2,911,480	\$3,057,050	\$0	\$0	\$0	\$0	\$0	\$6,860,280
Local Facilities															
Construct Local Facilities-City of Davis							\$0	\$0	\$0						
Construct Local Facilities-City of Woodland							\$2,628,821	\$2,760,262	\$2,898,275						
Construct Local Facilities-UC Davis							\$0	\$0	\$0						
Subtotal Local	\$0	\$0	\$0	\$0	\$0	\$0	\$2,628,821	\$2,760,262	\$2,898,275	\$0	\$0	\$0	\$0	\$0	\$5,287,358
Options for Summer Water Purchase															
Regional Subtotal	\$9,866	\$34,021	\$80,816	\$183,598	\$406,944	\$398,248	\$3,060,560	\$3,213,940	\$3,374,500	\$27,470	\$0	\$0	\$0	\$0	\$10,786,864
Local Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$2,982,262	\$3,130,275	\$0	\$0	\$0	\$0	\$9,536,358
Regional Contingencies @ 10%	\$1,000	\$3,000	\$5,000	\$18,000	\$41,000	\$40,000	\$306,000	\$321,000	\$337,000	\$3,000	\$0	\$0	\$0	\$0	\$1,076,000
Local Contingencies @ 10%	\$0	\$0	\$0	\$0	\$0	\$29,000	\$30,000	\$284,000	\$298,000	\$313,000	\$0	\$0	\$0	\$0	\$654,000
Totals - Development Costs of Surface Water Facilities	\$10,866	\$37,021	\$86,816	\$201,598	\$447,944	\$438,248	\$3,366,560	\$3,534,940	\$3,711,500	\$30,470	\$0	\$0	\$0	\$0	\$11,867,864
Local	\$0	\$0	\$0	\$0	\$0	\$315,000	\$330,000	\$3,123,821	\$3,280,262	\$3,443,275	\$0	\$0	\$0	\$0	\$10,462,358
Total	\$10,866	\$37,021	\$86,816	\$201,598	\$447,944	\$753,248	\$3,696,560	\$6,658,761	\$6,991,762	\$3,473,745	\$0	\$0	\$0	\$0	\$22,360,222
(Estimated Total Development Cost of Surface Water Supply Facilities, 2006 - 2020, mid-2006 cost basis)															
Estimated Operation & Maintenance Costs - All Water Supply Facilities															
Summer Water Purchases															
Operate Regional Surface Water Facilities			\$5,900	\$5,900	\$6,200	\$6,510	\$6,850	\$7,180	\$7,530	\$82,400	\$86,870	\$96,870	\$190,780	\$200,320	\$869,000
Totals - Operation & Maintenance Cost of All Facilities	\$0	\$0	\$0	\$5,900	\$6,200	\$6,510	\$6,850	\$7,180	\$7,530	\$125,840	\$259,910	\$268,560	\$277,650	\$287,190	\$1,259,000
ESTIMATED TOTAL ANNUAL COSTS - ALL WATER SUPPLY FACILITIES	\$10,866	\$37,021	\$86,816	\$207,498	\$454,144	\$759,758	\$3,703,360	\$6,665,941	\$6,999,292	\$3,599,585	\$259,910	\$268,560	\$277,650	\$287,190	\$23,620,000

Notes:
(1) Costs for each participant are based on the total costs shown in Table A.5 times the percent allocations shown in Table A.3.

APPENDIX B

**Table B.1
Regional and Local Capital Expenditure Summary**

Cost Category	Davis	Woodland	UC Davis	Total	% of Total
Regional ⁽¹⁾					
Legal	\$556,519	\$653,305	\$43,554	\$1,253,377	0.41%
Environmental	\$103,700	\$121,740	\$8,120	\$233,560	0.08%
Engineering	\$18,762,240	\$17,566,740	\$1,466,990	\$37,795,970	12.46%
Financial	\$99,850	\$99,850	\$0	\$199,700	0.07%
Land/RW	\$1,337,310	\$712,010	\$104,650	\$2,153,970	0.71%
Construction	\$113,214,670	\$103,346,240	\$8,860,260	\$225,421,170	74.28%
Water Rights	\$3,913,760	\$4,594,410	\$306,290	\$8,814,460	2.90%
Contingencies	\$13,798,000	\$12,709,000	\$1,078,000	\$27,585,000	9.09%
Total Regional	\$151,786,049	\$139,803,295	\$11,867,864	\$303,457,207	100.00%
Percent of Total	50.02%	46.07%	3.91%	100.00%	
Local ⁽²⁾					
Engineering	\$6,816,000	\$7,067,000	\$1,251,000	\$15,134,000	11.91%
Construction	\$45,203,771	\$46,861,243	\$8,287,358	\$100,352,372	79.00%
Contingencies	\$5,202,000	\$5,393,000	\$954,000	\$11,549,000	9.09%
Total Local	\$57,221,771	\$59,321,243	\$10,492,358	\$127,035,372	100.00%
Total Regional and Local	\$209,007,820	\$199,124,537	\$22,360,222	\$430,492,579	

Notes:

1. Regional project components include:
 - a. the regional intake facility
 - b. the conveyance pipeline from regional intake facility to the regional treatment plant
 - c. the regional treatment plant
 - d. the conveyance pipe from the regional treatment plant to the Davis and Woodland service areas
 - e. purchase of water rights
2. Local refers to improvements associated with implementation of the Water Supply Project in the service area of each participant. Local projects are not for replacement of the existing water systems.

Table B.2
Regional Facilities Debt Summary and Allocation

Cost Category	Total Regional CIP FY 06/07 through FY 19/20		FY 19/20																
	Davis	Woodland	UC Davis	Total	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Legal	\$556,519	\$653,305	\$43,554	\$1,253,377															
Environmental	\$103,700	\$121,740	\$8,120	\$233,560															
Engineering	\$18,762,240	\$17,566,740	\$1,466,990	\$37,795,970															
Financial	\$99,850	\$99,850	\$0	\$199,700															
Land/RW	\$1,337,310	\$712,010	\$104,650	\$2,153,970															
Construction	\$113,214,670	\$103,346,240	\$8,860,260	\$225,421,170															
Water Rights	\$3,913,760	\$4,594,410	\$306,290	\$8,814,460															
Contingencies	\$13,798,000	\$12,709,000	\$1,078,000	\$27,585,000															
Total	\$151,786,049	\$139,803,295	\$11,867,864	\$303,457,207															
Percent of Total	50.02%	46.07%	3.91%	100.00%															

Participant	FY 19/20																Total
	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Davis	\$152,597	\$507,458	\$1,166,658	\$2,580,953	\$5,719,909	\$5,633,245	\$43,025,510	\$45,178,090	\$47,435,660	\$385,970	\$0	\$0	\$0	\$0	\$0	\$151,786,049	
Woodland	\$176,527	\$591,081	\$1,364,321	\$2,569,424	\$5,108,287	\$5,427,644	\$39,369,670	\$41,338,120	\$43,405,220	\$453,000	\$0	\$0	\$0	\$0	\$0	\$139,803,295	
UC Davis	\$10,866	\$37,021	\$88,816	\$201,598	\$447,944	\$438,248	\$3,366,560	\$3,534,840	\$3,711,500	\$30,470	\$0	\$0	\$0	\$0	\$0	\$11,867,864	
Total	\$339,990	\$1,135,560	\$2,619,795	\$5,351,975	\$11,276,139	\$11,499,138	\$85,761,740	\$90,051,050	\$94,552,380	\$869,440	\$0	\$0	\$0	\$0	\$0	\$303,457,207	

Funding Method	FY 19/20																Total
	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
% Pay-as-you-go	100%	100%	100%	100%	100%	100%	0%	0%	0%	100%	100%	100%	100%	100%	100%	\$0	
Davis	\$152,597	\$507,458	\$1,166,658	\$2,580,953	\$5,719,909	\$5,633,245	\$0	\$0	\$0	\$385,970	\$0	\$0	\$0	\$0	\$0	\$16,146,789	
Woodland	\$176,527	\$591,081	\$1,364,321	\$2,569,424	\$5,108,287	\$5,427,644	\$0	\$0	\$0	\$453,000	\$0	\$0	\$0	\$0	\$0	\$15,690,285	
UC Davis	\$10,866	\$37,021	\$88,816	\$201,598	\$447,944	\$438,248	\$0	\$0	\$0	\$30,470	\$0	\$0	\$0	\$0	\$0	\$1,254,964	
Total	\$339,990	\$1,135,560	\$2,619,795	\$5,351,975	\$11,276,139	\$11,499,138	\$0	\$0	\$0	\$869,440	\$0	\$0	\$0	\$0	\$0	\$33,092,037	

Debt Financed	FY 19/20																Total
	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Davis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Woodland	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
UC Davis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Grant Funded	FY 19/20																Total
	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Davis	\$43,025,510	\$45,178,090	\$47,435,660	\$39,369,670	\$41,338,120	\$43,405,220	\$85,761,740	\$90,051,050	\$94,552,380	\$0	\$0	\$0	\$0	\$0	\$0	\$135,639,260	
Woodland	\$3,366,560	\$3,534,840	\$3,711,500	\$3,366,560	\$3,534,840	\$3,711,500	\$3,366,560	\$3,534,840	\$3,711,500	\$0	\$0	\$0	\$0	\$0	\$0	\$124,113,010	
UC Davis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,612,900	
Total	\$46,392,070	\$48,712,930	\$51,147,160	\$42,736,230	\$44,872,960	\$47,116,720	\$89,128,300	\$93,585,890	\$98,263,880	\$0	\$0	\$0	\$0	\$0	\$0	\$270,365,170	

Table B.2
Regional Facilities Debt Summary and Allocation

Loan Details	Issue 1 FY 11-12	Issue 2 FY 12-13	Issue 3 FY 13-14	Issue 4 FY 14-15	Total Loan	Total CIP	Loan % of CIP	Total
Construction Costs	\$0	\$85,761,740	\$90,051,050	\$94,552,380	\$270,365,170	\$303,457,207	89%	
Issue Costs								
Percent	2.00%	2.00%	2.00%	2.00%				
Dollars	\$0	\$1,715,235	\$1,801,021	\$1,891,048				\$5,407,303
Loan Amount	\$0	\$87,476,975	\$91,852,071	\$96,443,428				\$275,772,473
Payments								
Annual	30	30	30	30				
Biannual	60	60	60	60				
Interest Rate								
Annual	5.00%	5.00%	5.00%	5.00%				
Biannual	2.50%	2.50%	2.50%	2.50%				
Year of First Payment	FY 12-13	FY 13-14	FY 14-15	FY 15-16				
Biannual Payment								
Issue 1	\$0							\$0
Issue 2		\$2,830,177						\$169,810,632
Issue 3			\$2,971,726					\$178,303,585
Issue 4				\$3,120,272				\$187,216,344
Total Payments								\$535,330,561
Biannual Payments								
Percent of Total	50.02%	46.07%	3.91%	100.00%				
Total Payments	\$267,766,620	\$246,627,776	\$20,936,165	\$535,330,561				
Participant Portion								

Table B.3
Regional Facilities Debt

	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23
Issue 1											
Disbursement Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2											
Disbursement Payments	\$85,761,740										
Principal	\$1,302,587	\$1,368,530	\$1,437,812	\$1,510,602	\$1,587,076	\$1,667,421	\$1,751,835	\$1,840,521	\$1,933,698	\$2,031,591	
Interest	\$4,357,767	\$4,291,824	\$4,222,542	\$4,149,753	\$4,073,279	\$3,992,933	\$3,908,520	\$3,819,833	\$3,726,657	\$3,628,763	
Total	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	
Issue 3											
Disbursement Payments	\$90,051,050										
Principal	\$1,367,735	\$1,436,976	\$1,509,723	\$1,586,153	\$1,666,452	\$1,750,816	\$1,839,451	\$1,932,574	\$2,030,410		
Interest	\$4,575,718	\$4,506,476	\$4,433,729	\$4,357,300	\$4,277,001	\$4,192,637	\$4,104,001	\$4,010,879	\$3,913,043		
Total	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	
Issue 4											
Disbursement Payments	\$94,552,380										
Principal	\$1,436,103	\$1,508,806	\$1,585,189	\$1,665,439	\$1,749,752	\$1,838,333	\$1,931,399	\$2,029,176			
Interest	\$4,804,442	\$4,731,739	\$4,655,356	\$4,575,106	\$4,490,793	\$4,402,211	\$4,309,146	\$4,211,369			
Total	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	
Total											
Disbursement Payments	\$270,365,170										
Principal	\$0	\$1,302,587	\$2,736,265	\$4,310,892	\$4,529,131	\$4,758,418	\$4,999,313	\$5,252,403	\$5,518,306	\$5,797,670	\$6,091,177
Interest	\$0	\$4,357,767	\$8,867,542	\$13,533,460	\$13,315,221	\$13,085,934	\$12,845,039	\$12,591,949	\$12,326,046	\$12,046,682	\$11,753,175
Total	\$0	\$5,660,354	\$11,603,807	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352
Allocation of Total											
Davis @ 50.02%	\$0	\$2,831,249	\$5,804,100	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554
Woodland @ 46.07%	\$0	\$2,607,736	\$5,345,895	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926
UCDavis @ 03.91%	\$0	\$221,370	\$453,812	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872
Total	\$0	\$5,660,354	\$11,603,807	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352

Table B.3
Regional Facilities Debt

	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34	FY 34/35
Issue 1												
Disbursement Payments												
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2												
Disbursement Payments												
Principal	\$2,134,440	\$2,242,496	\$2,356,023	\$2,475,297	\$2,600,608	\$2,732,264	\$2,870,585	\$3,015,908	\$3,168,589	\$3,328,999	\$3,497,529	\$3,674,592
Interest	\$3,525,914	\$3,417,858	\$3,304,332	\$3,185,058	\$3,059,746	\$2,928,090	\$2,789,769	\$2,644,446	\$2,491,766	\$2,331,356	\$2,162,825	\$1,985,763
Total	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354
Issue 3												
Disbursement Payments												
Principal	\$2,133,200	\$2,241,193	\$2,354,653	\$2,473,858	\$2,599,097	\$2,730,676	\$2,868,916	\$3,014,155	\$3,166,747	\$3,327,063	\$3,495,496	\$3,672,456
Interest	\$3,810,253	\$3,702,260	\$3,588,800	\$3,469,595	\$3,344,356	\$3,212,777	\$3,074,536	\$2,929,298	\$2,776,706	\$2,616,389	\$2,447,957	\$2,270,997
Total	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453
Issue 4												
Disbursement Payments												
Principal	\$2,131,903	\$2,239,831	\$2,353,222	\$2,472,354	\$2,597,517	\$2,729,016	\$2,867,173	\$3,012,323	\$3,164,822	\$3,325,041	\$3,493,371	\$3,670,223
Interest	\$4,108,642	\$4,000,714	\$3,887,323	\$3,768,191	\$3,643,028	\$3,511,529	\$3,373,372	\$3,228,222	\$3,075,723	\$2,915,504	\$2,747,173	\$2,570,321
Total	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545
Total												
Disbursement Payments												
Principal	\$6,399,543	\$6,723,520	\$7,063,898	\$7,421,508	\$7,797,222	\$8,191,956	\$8,606,674	\$9,042,387	\$9,500,158	\$9,981,103	\$10,486,397	\$11,017,271
Interest	\$11,444,809	\$11,120,832	\$10,780,454	\$10,422,844	\$10,047,130	\$9,652,396	\$9,237,678	\$8,801,965	\$8,344,194	\$7,863,249	\$7,357,955	\$6,827,082
Total	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352
Allocation of Total												
Davis @ 50.02%	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554
Woodland @ 46.07%	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926
UCDavis @ 03.91%	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872
Total	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352

**Table B.3
Regional Facilities Debt**

	FY 35/36	FY 36/37	FY 37/38	FY 38/39	FY 39/40	FY 40/41	FY 41/42	FY 42/43	FY 43/44	FY 44/45	Total
Issue 1											
Disbursement Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2											
Disbursement Payments	\$3,860,618	\$4,056,062	\$4,261,400	\$4,477,133	\$4,703,788	\$4,941,917	\$5,192,102	\$5,454,952			\$87,476,975
Principal	\$1,799,737	\$1,604,293	\$1,398,955	\$1,183,221	\$956,566	\$718,437	\$488,253	\$205,403			\$82,333,657
Interest	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$5,660,354	\$0	\$0	\$169,810,632
Total	\$3,860,618	\$4,056,062	\$4,261,400	\$4,477,133	\$4,703,788	\$4,941,917	\$5,192,102	\$5,454,952			\$87,476,975
Issue 3											
Disbursement Payments	\$3,858,374	\$4,053,704	\$4,258,922	\$4,474,530	\$4,701,054	\$4,939,044	\$5,189,084	\$5,451,781	\$5,727,777		\$91,852,071
Principal	\$2,085,079	\$1,889,749	\$1,684,530	\$1,468,922	\$1,242,399	\$1,004,408	\$754,369	\$491,672	\$215,676		\$86,451,514
Interest	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$5,943,453	\$0	\$178,303,585
Total	\$3,858,374	\$4,053,704	\$4,258,922	\$4,474,530	\$4,701,054	\$4,939,044	\$5,189,084	\$5,451,781	\$5,727,777		\$91,852,071
Issue 4											
Disbursement Payments	\$3,856,028	\$4,051,240	\$4,256,334	\$4,471,811	\$4,698,196	\$4,936,042	\$5,185,930	\$5,448,467	\$5,724,296	\$6,014,088	\$96,443,428
Principal	\$2,384,516	\$2,189,305	\$1,984,211	\$1,768,734	\$1,542,349	\$1,304,502	\$1,054,615	\$792,078	\$516,249	\$226,456	\$90,772,916
Interest	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$6,240,545	\$187,216,344
Total	\$3,856,028	\$4,051,240	\$4,256,334	\$4,471,811	\$4,698,196	\$4,936,042	\$5,185,930	\$5,448,467	\$5,724,296	\$6,014,088	\$96,443,428
Total											
Disbursement Payments	\$11,575,020	\$12,161,005	\$12,776,656	\$13,423,474	\$14,103,038	\$14,817,004	\$15,567,115	\$16,355,200	\$11,452,073	\$6,014,088	\$275,772,473
Principal	\$6,269,332	\$5,683,347	\$5,067,696	\$4,420,878	\$3,741,314	\$3,027,348	\$2,277,237	\$1,489,152	\$731,924	\$226,456	\$259,558,087
Interest	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$12,183,998	\$6,240,545	\$535,330,561
Allocation of Total											
Davis @ 50.02%	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$8,925,554	\$6,094,305	\$3,121,454	\$267,766,620
Woodland @ 46.07%	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$8,220,926	\$5,613,190	\$2,875,030	\$246,627,776
UCDavis @ 03.91%	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$697,872	\$476,502	\$244,061	\$20,936,165
Total	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$17,844,352	\$12,183,998	\$6,240,545	\$535,330,561

APPENDIX C

Table C-1
Davis Local Facilities and Replacement Facilities Debt Issuance

LOCAL FACILITIES (1)

Cost Category	Total Local CIP FY 07/08 through FY 19/20	
	Davis	UC Davis
Engineering	\$6,816,000	\$7,067,000
Financial	\$0	\$0
Construction	\$45,203,771	\$8,287,368
Contingencies	\$5,202,000	\$954,000
Total	\$57,221,771	\$10,492,368
Percent of Total	45.04%	46.70%

Davis Loan Details	Total Local CIP FY 07/08 through FY 19/20										Total			
	FY 08/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16		FY 16/17	FY 17/18	FY 18/19
Issue Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Percent	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dollars	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Loan Amount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Biannual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Rate	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Annual	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Biannual	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Year of First Payment	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17									
Issue 1	\$56,662	\$59,500	\$562,164	\$236,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Payments	\$56,662	\$59,500	\$562,164	\$236,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

REPLACEMENT FACILITIES (2)

Davis Loan Details	Total Local CIP FY 07/08 through FY 19/20										Total			
	FY 08/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16		FY 16/17	FY 17/18	FY 18/19
Issue Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Percent	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dollars	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Loan Amount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Biannual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Rate	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Annual	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Biannual	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Year of First Payment	FY 13-14	FY 14-15	FY 15-16	FY 16-17										
Issue 1	\$44,224	\$457,966	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Payments	\$44,224	\$457,966	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Notes:

1. Local Facilities costs are from Table B.1, Regional and Local Capital Expenditure Summary.
2. Expenditures paid by rates and reserves for FY 08/07 through FY 10/11 are from Table 3.2 in the 2006 rate study. Expenditures for FY 11/12 onward are based on a FY 06/07 value of \$1,000,000 escalated at five percent per year.

Table C.2
Local Facilities Debt

	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
Issue 1																			
Disbursement																			
Payments	\$1,717,000																		
Principal																			
Interest																			
Total																			
Total	\$1,717,000																		
Issue 2																			
Disbursement																			
Payments	\$1,803,000																		
Principal																			
Interest																			
Total																			
Total	\$1,803,000																		
Issue 3																			
Disbursement																			
Payments	\$17,035,023																		
Principal																			
Interest																			
Total																			
Total	\$17,035,023																		
Issue 4																			
Disbursement																			
Payments	\$7,154,760																		
Principal																			
Interest																			
Total																			
Total	\$7,154,760																		
Issue 5																			
Disbursement																			
Payments	\$0																		
Principal																			
Interest																			
Total																			
Total	\$0																		
Total																			
Disbursement																			
Payments	\$27,709,813																		
Principal																			
Interest																			
Total																			
Total	\$27,709,813																		

Table C.2
Local Facilities Debt

	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34	FY 34/35	FY 35/36	FY 36/37	FY 37/38	FY 38/39	FY 39/40	FY 40/41	FY 41/42	FY 42/43	FY 43/44	FY 44/45	Total	
Issue 1																				
Disbursement																				
Payments																				
Principal	\$54,702	\$57,471	\$60,390	\$63,437	\$66,648	\$70,023	\$73,567	\$77,292	\$81,205	\$85,318	\$89,635	\$94,173	\$98,940	\$103,949	\$109,211				\$1,751,340	
Interest	\$58,622	\$58,853	\$52,943	\$49,887	\$46,075	\$43,301	\$39,756	\$36,032	\$32,119	\$28,008	\$23,689	\$19,151	\$14,384	\$9,375	\$4,112					\$1,648,368
Total	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$0	\$0	\$0	\$0	\$3,399,708
Issue 2																				
Disbursement																				
Payments																				
Principal	\$54,674	\$57,441	\$60,349	\$63,405	\$66,614	\$69,987	\$73,530	\$77,252	\$81,163	\$85,272	\$89,589	\$94,124	\$98,889	\$103,896	\$109,155	\$114,681				\$1,839,080
Interest	\$64,328	\$61,558	\$58,650	\$55,595	\$52,385	\$49,013	\$45,470	\$41,747	\$37,837	\$33,728	\$29,411	\$24,875	\$20,110	\$15,104	\$9,844	\$4,318				\$1,730,930
Total	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$0	\$0	\$0	\$3,569,990
Issue 3																				
Disbursement																				
Payments																				
Principal	\$491,673	\$516,564	\$542,715	\$570,190	\$599,056	\$629,363	\$661,246	\$694,721	\$729,691	\$766,642	\$805,664	\$846,450	\$889,302	\$934,323	\$981,623	\$1,031,317	\$1,083,528			\$17,375,724
Interest	\$632,654	\$607,763	\$581,612	\$554,137	\$525,272	\$494,944	\$463,082	\$429,606	\$394,436	\$357,465	\$318,664	\$277,877	\$235,026	\$190,005	\$142,705	\$83,010	\$40,800			\$16,354,096
Total	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$0	\$0	\$33,729,820
Issue 4																				
Disbursement																				
Payments																				
Principal	\$1,106,554	\$2,005,505	\$2,16,959	\$227,943	\$239,482	\$251,606	\$264,344	\$277,726	\$291,786	\$306,558	\$322,077	\$338,382	\$355,513	\$373,511	\$392,420	\$412,286	\$433,158	\$455,087		\$7,297,986
Interest	\$275,068	\$265,718	\$255,263	\$244,280	\$232,740	\$220,616	\$207,872	\$194,497	\$180,437	\$165,685	\$150,145	\$133,840	\$116,710	\$98,712	\$79,803	\$59,637	\$39,065	\$17,136		\$6,868,797
Total	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$0	\$14,166,683
Issue 5																				
Disbursement																				
Payments																				
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total																				
Disbursement																				
Payments																				
Principal	\$797,602	\$837,961	\$880,404	\$924,974	\$971,901	\$1,020,999	\$1,072,687	\$1,126,991	\$1,184,045	\$1,243,988	\$1,306,965	\$1,373,130	\$1,442,644	\$1,515,678	\$1,592,409	\$1,558,285	\$1,516,686	\$455,087		\$28,204,009
Interest	\$1,031,271	\$990,892	\$948,469	\$903,899	\$857,072	\$807,875	\$756,187	\$701,882	\$644,828	\$584,886	\$521,909	\$455,744	\$386,229	\$313,195	\$236,464	\$157,265	\$79,864	\$17,136		\$26,602,192
Total	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,828,873	\$1,715,550	\$1,596,550	\$472,223	\$0	\$54,806,201

Table C.3
Repl. Facilities Debt

	FY 0	FY 09/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
Issue 1																				
Disbursement	\$13,850,280																			
Payments																				
Principal		\$210,364	\$221,014	\$232,203	\$243,958	\$256,308	\$269,284	\$282,916	\$297,239	\$312,287	\$328,096	\$344,706	\$362,157	\$380,491	\$399,753	\$419,991	\$441,253	\$463,591	\$487,061	\$511,718
Interest		\$703,767	\$693,118	\$681,929	\$670,173	\$657,823	\$644,847	\$631,215	\$616,892	\$601,845	\$586,036	\$569,425	\$551,974	\$533,640	\$514,378	\$494,140	\$472,878	\$450,540	\$427,071	\$402,413
Total		\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131
Issue 2																				
Disbursement	\$1,340,096																			
Payments																				
Principal		\$20,354	\$21,384	\$22,467	\$23,604	\$24,799	\$26,055	\$27,374	\$28,760	\$30,216	\$31,745	\$33,352	\$35,041	\$36,815	\$38,678	\$40,629	\$42,678	\$44,826	\$47,074	\$49,421
Interest		\$68,094	\$67,063	\$65,981	\$64,843	\$63,648	\$62,393	\$61,074	\$59,688	\$58,232	\$56,702	\$55,095	\$53,407	\$51,633	\$49,769	\$47,815	\$45,878	\$43,957	\$42,051	\$40,160
Total		\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448
Issue 3																				
Disbursement	\$0																			
Payments																				
Principal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4																				
Disbursement	\$0																			
Payments																				
Principal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 5																				
Disbursement	\$0																			
Payments																				
Principal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total																				
Disbursement	\$15,190,376																			
Payments																				
Principal		\$210,364	\$221,014	\$232,203	\$243,958	\$256,308	\$269,638	\$284,301	\$299,706	\$316,111	\$333,891	\$352,896	\$373,131	\$394,825	\$418,069	\$442,960	\$469,605	\$498,132	\$528,632	\$560,397
Interest		\$703,767	\$693,118	\$681,929	\$670,173	\$657,823	\$644,847	\$631,215	\$616,892	\$601,845	\$586,036	\$569,425	\$551,974	\$533,640	\$514,378	\$494,140	\$472,878	\$450,540	\$427,071	\$402,413
Total		\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131

Table C.3
Repl. Facilities Debt

	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34	FY 34/35	FY 35/36	FY 36/37	FY 37/38	FY 38/39	FY 39/40	FY 40/41	FY 41/42	FY 42/43	FY 43/44	FY 44/45	Total
Issue 1																			
Disbursement																			
Payments																			
Principal	\$537,624	\$564,841	\$593,436	\$623,479	\$655,043	\$688,204	\$723,044	\$759,649	\$798,106	\$838,510	\$880,659								\$14,127,286
Interest	\$276,507	\$349,290	\$320,696	\$290,652	\$259,089	\$225,927	\$191,087	\$154,483	\$116,026	\$75,621	\$33,172								\$13,296,654
Total	\$814,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131								\$27,423,940
Issue 2																			
Disbursement																			
Payments																			
Principal	\$10,637	\$12,694	\$14,655	\$17,126	\$19,512	\$22,018	\$24,652	\$27,418	\$30,325	\$33,379	\$36,588	\$69,959	\$73,500	\$77,221	\$81,131	\$85,238			\$1,366,898
Interest	\$17,811	\$15,754	\$13,592	\$11,322	\$8,936	\$6,429	\$3,796	\$1,029	\$28,122	\$25,068	\$21,860	\$18,489	\$14,947	\$11,226	\$7,317	\$3,210			\$1,286,529
Total	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$0		\$2,653,427
Issue 3																			
Disbursement																			
Payments																			
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4																			
Disbursement																			
Payments																			
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 5																			
Disbursement																			
Payments																			
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total																			
Disbursement																			
Payments																			
Principal	\$576,261	\$607,535	\$639,291	\$670,065	\$704,654	\$740,222	\$777,696	\$817,067	\$858,431	\$901,889	\$947,547	\$69,959	\$73,500	\$77,221	\$81,131	\$85,238	\$0	\$0	\$15,494,183
Interest	\$424,318	\$395,044	\$364,287	\$331,974	\$298,025	\$262,357	\$224,883	\$185,512	\$144,148	\$100,690	\$55,032	\$18,489	\$14,947	\$11,226	\$7,317	\$3,210	\$0	\$0	\$14,583,183
Total	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$88,448	\$88,448	\$88,448	\$88,448	\$88,448	\$0	\$0	\$30,077,367

Table C.4
Davis Cash Flow Projections

Item	Notes	Projected														
		FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Beginning, July 1		\$5,000,000	\$4,590,265	\$4,211,238	\$3,120,729	\$13,350,595	\$9,632,588	\$4,218,701	\$4,041,814	\$12,585,769	\$19,275,639	\$14,044,362	\$342,996	\$4,665,217	\$9,050,612	\$13,894,044
Expenditures																
Existing System																
O&M	1.	\$5,600,000	\$5,880,000	\$6,174,000	\$6,482,700	\$6,806,835	\$7,147,177	\$7,504,536	\$7,879,762	\$8,273,750	\$8,687,438	\$9,121,810	\$9,577,900	\$10,056,795	\$10,559,635	\$11,087,617
O&M Savings	3.											(\$2,280,452)	(\$2,394,475)	(\$2,514,199)	(\$2,639,909)	(\$2,771,904)
Capital - Repl.	4.	\$200,000	\$1,000,000	\$2,477,500	\$4,830,280	\$4,428,000	\$4,592,000	\$1,276,282	\$1,340,096	\$1,407,100	\$1,477,455	\$1,551,328	\$1,628,895	\$1,710,339	\$1,795,856	\$1,885,649
Debt Service																
Meter Retrofit	2.	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728
West Tank	2.	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000
Replacement CIP	5.	\$0	\$0	\$0	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579
Subtotal Existing System		\$6,355,728	\$7,435,728	\$9,207,228	\$12,782,839	\$12,704,694	\$13,209,036	\$9,934,948	\$10,373,989	\$10,923,430	\$11,407,472	\$9,635,265	\$10,054,899	\$10,495,515	\$10,958,162	\$11,443,941
Water Supply System																
O&M																
Local	6.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$162,889	\$171,034	\$179,586	\$188,565
Regional	7.	\$0	\$0	\$0	\$0	\$75,430	\$79,200	\$83,160	\$87,320	\$91,680	\$96,270	\$1,052,900	\$2,211,090	\$2,321,650	\$2,437,730	\$2,559,620
Water Purchases	7.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$555,020	\$1,110,040	\$1,110,040	\$1,110,040	\$1,110,040
Capital Expend.																
Regional	7.	\$152,597	\$152,597	\$507,458	\$1,166,658	\$2,580,953	\$5,719,909	\$5,633,245	\$43,025,510	\$45,178,090	\$47,435,660	\$385,970	\$0	\$0	\$0	\$0
Local	7.	\$0	\$0	\$0	\$0	\$0	\$0	\$1,717,000	\$1,803,000	\$17,035,023	\$17,886,975	\$18,779,773	\$0	\$0	\$0	\$0
Debt Service-Region	8.															
Issue 1									\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2									\$0	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249
Issue 3									\$0	\$0	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852
Issue 4									\$0	\$0	\$0	\$3,121,454	\$3,121,454	\$3,121,454	\$3,121,454	\$3,121,454
Debt Service-Local	9.															
Issue 1									\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324
Issue 2									\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000
Issue 3									\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327
Issue 4												\$472,223	\$472,223	\$472,223	\$472,223	\$472,223
Issue 5																
Subtotal Water Supply System		\$152,597	\$152,597	\$507,458	\$1,166,658	\$2,656,383	\$5,799,109	\$7,433,405	\$45,029,154	\$65,368,365	\$72,579,655	\$31,528,091	\$14,238,447	\$14,357,151	\$14,481,783	\$14,612,652
Total Expenditures		\$6,355,728	\$7,588,325	\$9,714,686	\$13,949,497	\$15,361,077	\$19,008,145	\$17,368,353	\$55,403,143	\$76,291,795	\$83,987,128	\$41,163,355	\$24,293,346	\$24,852,666	\$25,439,945	\$26,056,593

Table C.4
Davis Cash Flow Projections

Item	Notes	Past Est.		Projected												
		FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Revenues																
Rates	10.	\$5,765,993	\$6,941,468	\$8,348,148	\$10,064,114	\$11,172,464	\$12,977,137	\$15,062,812	\$17,492,632	\$20,294,430	\$23,348,519	\$26,612,290	\$28,191,851	\$29,025,376	\$29,874,771	\$30,739,769
Capacity Charges	11.	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000
Miscellaneous	11.	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Interest on balance	12.	\$100,000	\$167,830	\$176,030	\$164,969	\$370,605	\$517,122	\$311,654	\$185,862	\$374,121	\$716,882	\$749,700	\$323,716	\$112,685	\$308,606	\$516,255
Grants	13.								\$0	\$0	\$0					
Appropriations																
Bond Proceeds - Replacement																
Issue 1					\$13,850,280				\$1,340,096							
Issue 2																
Issue 3										\$0						
Issue 4																
Issue 5												\$0				
Bond Proceeds - Regional																
Issue 1							\$0									
Issue 2									\$43,025,510							
Issue 3										\$45,178,090						
Issue 4											\$47,435,660					
Bond Proceeds - Local																
Issue 1							\$1,717,000									
Issue 2									\$1,803,000							
Issue 3										\$17,035,023						
Issue 4											\$7,154,790					
Issue 5												\$0				
Total Revenues		\$5,945,993	\$7,209,298	\$8,624,178	\$24,179,363	\$11,643,069	\$13,594,258	\$17,191,466	\$63,947,099	\$82,981,664	\$78,755,851	\$27,461,990	\$28,615,566	\$29,238,061	\$30,283,377	\$31,356,024
Revenues - Expenditures		(\$409,735)	(\$379,027)	(\$1,090,509)	\$10,229,866	(\$3,718,008)	(\$5,413,886)	(\$176,887)	\$8,543,956	\$6,689,869	(\$5,231,277)	(\$13,701,365)	\$4,322,221	\$4,385,395	\$4,843,433	\$5,299,431
Ending, June 30		\$4,590,265	\$4,211,238	\$3,120,729	\$13,350,595	\$9,632,588	\$4,218,701	\$4,041,814	\$12,585,769	\$19,275,639	\$14,044,362	\$342,996	\$4,665,217	\$9,050,612	\$13,894,044	\$19,193,475

Table C.4
Davis Cash Flow Projections

Item	Notes	Projected													
		FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19

Notes:

1. The beginning balance for FY 05/06 was provided by the City.
2. Existing O&M expenditures for FY 05/06 and debt service obligations provided by the City are from audited financial statements. Projected O&M amounts are escalated as shown below:

<u>EY 06/07</u>	<u>EY 07/08</u>	<u>EY 08/09</u>	<u>EY 09/10</u>	<u>EY 10/11</u>	<u>EY 11/12</u>	<u>EY 12/13</u>	<u>EY 13/14</u>	<u>EY 14/15</u>	<u>EY 15/16</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
cumulative >		10.3%	15.8%	21.6%	27.6%	34.0%	40.7%	47.7%	55.1%	62.9%	71.0%	79.6%	88.6%
3. O&M savings are for reductions in operating costs as a result of the water supply project. Costs were provided by the City and are developed as a percent of total O&M expenditures in each year.

<u>EY 06/07</u>	<u>EY 07/08</u>	<u>EY 08/09</u>	<u>EY 09/10</u>	<u>EY 10/11</u>	<u>EY 11/12</u>	<u>EY 12/13</u>	<u>EY 13/14</u>	<u>EY 14/15</u>	<u>EY 15/16</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
									25.0%	25.0%	25.0%	25.0%	25.0%
									\$2,280,452	\$2,394,475	\$2,514,199	\$2,639,909	\$2,771,904
4. Capital expenditures for the replacement CIP are shown in Table C.1.
5. Debt service for the replacement CIP is based on the debt summary shown in Table C.3 and the annual debt service payments shown in Table C.3.
6. Local O&M expenditures for the water supply system were provided by the City. The initial value for FY 16/17 is escalated in future years at the annual rates shown in footnote 2.

<u>EY 06/07</u>	<u>EY 06/07</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
	\$100,000	\$162,889	\$171,034	\$179,586	\$188,565
		62.9%	71.0%	79.6%	88.6%

7. Expenditures are shown in Table A.6, Anticipated Annual Expenditures - City of Davis (Nominal Dollars).
8. Debt service for regional facilities is based on the debt summary shown in Table B.2 and the annual debt service allocations shown in Table B.3.
9. Debt service for local facilities is based on the debt summary shown in Table C.1 and the annual debt service payments shown in Table C.2.
10. Rates are increased by the percentages shown below. The amount of revenue from rates is shown in detail in Table C.5.

	<u>EY 08/08</u>	<u>EY 09/10</u>	<u>EY 10/11</u>	<u>EY 11/12</u>	<u>EY 12/13</u>	<u>EY 13/14</u>	<u>EY 14/15</u>	<u>EY 15/16</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
CUMULATIVE ESCALATION RATE FROM FY 06/07 >	19.0%	10.0%	15.0%	15.0%	15.0%	15.0%	14.0%	13.0%	5.0%	2.0%	2.0%	2.0%
COVERAGE >	2.45	2.93	3.93	6.49	7.53	2.77	1.74	1.33	1.26	1.28	1.30	1.32

11. Estimates of revenue from capacity charges and miscellaneous revenue was provided by the City.
12. Interest on the fund balance is at the rate shown below. If the fund balance is negative no interest is calculated.

<u>EY 06/07</u>	<u>EY 07/08</u>	<u>EY 08/09</u>	<u>EY 09/10</u>	<u>EY 10/11</u>	<u>EY 11/12</u>	<u>EY 12/13</u>	<u>EY 13/14</u>	<u>EY 14/15</u>	<u>EY 15/16</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
3.5%	4.0%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

13. Grant assumptions for regional projects are listed in Table B.2 and total \$0.000 for all participants.

<u>EY 07/08</u>	<u>EY 08/09</u>	<u>EY 09/10</u>	<u>EY 10/11</u>	<u>EY 11/12</u>	<u>EY 12/13</u>	<u>EY 13/14</u>	<u>EY 14/15</u>	<u>EY 15/16</u>	<u>EY 16/17</u>	<u>EY 17/18</u>	<u>EY 18/19</u>	<u>EY 19/20</u>
Total Grant Revenue >			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Davis percent of project cost >			50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Davis Grant Revenue Allocation >			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Table C.5
Davis Rate Revenue Projections

Class	Water Use, 100 cubic feet, or Meters ⁽¹⁾														
	Part Est. FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Water Use															
Single Family															
Tier 1	2,160,792	2,182,317	2,204,140	2,226,182	2,248,444	2,270,928	2,293,637	2,316,574	2,339,739	2,363,137	2,386,768	2,410,636	2,434,742	2,459,090	2,483,680
Tier 2	1,087,865	895,813	900,292	904,794	909,318	913,864	918,434	923,026	927,641	932,279	936,941	941,625	946,334	951,065	955,820
Total	3,248,657	3,078,130	3,104,433	3,130,976	3,157,761	3,184,792	3,212,071	3,239,600	3,267,380	3,295,416	3,323,709	3,352,261	3,381,076	3,410,155	3,439,501
Multi-Family															
Tier 1	586,511	592,376	598,300	604,283	610,326	616,429	622,593	628,819	635,107	641,458	647,873	654,352	660,895	667,504	674,179
Tier 2	704,451	711,495	718,610	725,796	733,054	740,385	747,789	755,267	762,819	770,447	778,152	785,933	793,814	801,731	809,748
Total	1,290,962	1,303,871	1,316,910	1,330,079	1,343,380	1,356,814	1,370,382	1,384,086	1,397,927	1,411,906	1,426,025	1,440,285	1,454,688	1,469,235	1,483,927
Small Comm															
Tier 1	194,304	198,190	200,172	202,174	204,195	206,237	208,300	210,383	212,486	214,611	216,757	218,925	221,114	223,325	225,559
Tier 2	194,304	198,190	200,172	202,174	204,195	206,237	208,300	210,383	212,486	214,611	216,757	218,925	221,114	223,325	225,559
Total	388,608	396,380	400,344	404,347	408,391	412,475	416,599	420,765	424,973	429,223	433,515	437,850	442,229	446,651	451,117
Large Comm															
Tier 1	176,164	177,926	179,705	181,502	183,317	185,150	187,002	188,872	190,771	192,698	194,641	196,595	198,541	200,491	202,496
Tier 2	157,002	158,573	160,158	161,750	163,377	165,011	166,661	168,328	170,011	171,711	173,428	175,163	176,914	178,683	180,470
Total	333,167	336,498	339,863	343,252	346,688	350,162	353,663	357,200	360,772	364,379	368,023	371,704	375,421	379,175	382,967
Irrigation															
Tier 1	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438	117,438
Tier 2	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914	34,914
Total	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352	152,352
City ⁽²⁾															
Tier 1	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820
Tier 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820	638,820
All Classes															
Tier 1	3,874,029	3,907,067	3,938,575	3,970,398	4,002,540	4,035,003	4,067,790	4,100,905	4,134,352	4,168,133	4,202,251	4,236,711	4,271,516	4,306,669	4,342,173
Tier 2	2,176,536	1,998,995	2,014,147	2,029,438	2,044,859	2,060,412	2,076,097	2,091,917	2,107,872	2,123,963	2,140,192	2,156,561	2,173,069	2,189,719	2,206,511
Total	6,052,566	5,906,062	5,952,722	5,999,836	6,047,399	6,095,415	6,143,887	6,192,822	6,242,224	6,292,096	6,342,444	6,393,272	6,444,585	6,496,387	6,548,684
Meters															
3/4-in	12,132	12,252	12,374	12,498	12,623	12,749	12,877	13,005	13,135	13,267	13,399	13,533	13,669	13,805	13,944
1-in	3,735	3,269	3,301	3,334	3,368	3,401	3,436	3,470	3,505	3,540	3,575	3,611	3,647	3,683	3,720
1-1/2-in	384	389	393	397	401	405	409	413	417	421	425	430	434	438	443
2-in	229	230	233	235	237	240	242	244	247	249	252	254	257	259	262
3-in	70	70	71	72	73	74	75	76	77	78	79	80	81	82	83
4-in	26	26	26	26	26	27	27	27	27	28	28	28	28	29	29
6-in	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8-in	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total	16,082	16,243	16,405	16,569	16,735	16,902	17,071	17,242	17,414	17,589	17,764	17,942	18,121	18,303	18,486

Notes:
1 Past estimates and projected annual increases in water use and number of meters are shown below.
2 City accounts are listed in the quantity charge portion of the table but do not pay the quantity charge. City meters are excluded from the service charge portion of the table.

Water Use	Projected													
	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Single Family														
Tier 1	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tier 2	-17.65%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Multi-Family														
Tier 1	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tier 2	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Small Comm														
Tier 1	2.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tier 2	2.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Large Comm														
Tier 1	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tier 2	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Irrigation														
Tier 1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tier 2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
City														
Tier 1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tier 2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meters														
3/4-in	0.95%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
1-in	1.05%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
1-1/2-in	1.18%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2-in	0.72%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
3-in	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
4-in	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
6-in	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
8-in	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

Table C.5
Davis Rate Revenue Projections

Class	Quantity Charge (\$ per 100 cubic feet) or Service Charge (\$ per month) ⁽¹⁾														
	Actual FY 06/06	Actual FY 06/07	Adopted FY 07/08	Adopted FY 08/09	Adopted FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Quantity Charge															
Single Family															
Tier 1	\$0.77	\$0.91	\$1.09	\$1.30	\$1.43	\$1.65	\$1.90	\$2.19	\$2.52	\$2.87	\$3.24	\$3.40	\$3.47	\$3.54	\$3.61
Tier 2	\$0.86	\$1.19	\$1.41	\$1.69	\$1.86	\$2.14	\$2.46	\$2.83	\$3.25	\$3.71	\$4.19	\$4.40	\$4.49	\$4.58	\$4.67
Total															
Multi-Family															
Tier 1	\$0.69	\$0.81	\$0.96	\$1.15	\$1.26	\$1.45	\$1.67	\$1.92	\$2.21	\$2.52	\$2.85	\$2.99	\$3.05	\$3.11	\$3.17
Tier 2	\$0.86	\$1.19	\$1.41	\$1.69	\$1.86	\$2.14	\$2.46	\$2.83	\$3.25	\$3.71	\$4.19	\$4.40	\$4.49	\$4.58	\$4.67
Total															
Small Comm															
Tier 1	\$0.72	\$0.83	\$0.99	\$1.18	\$1.30	\$1.49	\$1.71	\$1.97	\$2.27	\$2.59	\$2.93	\$3.08	\$3.14	\$3.20	\$3.26
Tier 2	\$0.86	\$1.19	\$1.41	\$1.69	\$1.86	\$2.14	\$2.46	\$2.83	\$3.25	\$3.71	\$4.19	\$4.40	\$4.49	\$4.58	\$4.67
Total															
Large Comm															
Tier 1	\$0.79	\$0.89	\$1.06	\$1.26	\$1.39	\$1.60	\$1.84	\$2.12	\$2.44	\$2.78	\$3.14	\$3.30	\$3.37	\$3.44	\$3.51
Tier 2	\$0.86	\$1.19	\$1.41	\$1.69	\$1.86	\$2.14	\$2.46	\$2.83	\$3.25	\$3.71	\$4.19	\$4.40	\$4.49	\$4.58	\$4.67
Total															
Irrigation															
Tier 1	\$0.77	\$1.07	\$1.28	\$1.53	\$1.68	\$1.94	\$2.23	\$2.56	\$2.94	\$3.35	\$3.79	\$3.96	\$4.06	\$4.14	\$4.22
Tier 2	\$0.86	\$1.19	\$1.41	\$1.69	\$1.86	\$2.14	\$2.46	\$2.83	\$3.25	\$3.71	\$4.19	\$4.40	\$4.49	\$4.58	\$4.67
Total															
City															
Tier 1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total															
All Classes															
Tier 1															
Tier 2															
Total															
Service Charge															
3/4-in	\$6.22	\$7.00	\$8.40	\$10.00	\$11.00	\$12.65	\$14.55	\$16.73	\$19.24	\$21.63	\$24.78	\$26.02	\$26.54	\$27.07	\$27.61
1-in	\$8.83	\$9.90	\$11.80	\$14.10	\$15.50	\$17.83	\$20.50	\$23.58	\$27.12	\$30.92	\$34.94	\$36.69	\$37.42	\$38.17	\$38.93
1-1/2-in	\$15.31	\$17.10	\$20.30	\$24.30	\$26.70	\$30.71	\$35.32	\$40.62	\$46.71	\$52.25	\$58.17	\$63.16	\$64.44	\$65.73	\$67.04
2-in	\$23.11	\$26.60	\$32.50	\$38.50	\$40.10	\$47.12	\$53.94	\$61.56	\$70.15	\$78.97	\$88.37	\$94.89	\$96.79	\$98.73	\$100.70
3-in	\$43.94	\$48.50	\$58.50	\$69.10	\$76.00	\$87.40	\$100.51	\$115.89	\$132.95	\$151.54	\$171.24	\$179.80	\$183.40	\$187.07	\$190.81
4-in	\$67.34	\$74.30	\$88.40	\$105.70	\$116.40	\$133.86	\$153.94	\$176.80	\$202.25	\$230.06	\$262.25	\$275.36	\$280.87	\$286.49	\$292.22
6-in	\$132.32	\$145.80	\$173.80	\$207.60	\$228.40	\$262.66	\$302.06	\$347.37	\$399.46	\$458.41	\$514.61	\$540.34	\$551.15	\$562.17	\$573.41
8-in	\$210.33	\$231.70	\$275.80	\$329.80	\$362.90	\$417.34	\$479.84	\$551.93	\$634.72	\$723.58	\$817.65	\$858.53	\$875.70	\$893.21	\$911.07
Total															

Notes:
3 Actual FY 06/07 and projected annual increases in water use and number of meters are shown below:

Water Use	Projected													
	EY 06/07	EY 07/08	EY 08/09	EY 09/10	EY 10/11	EY 11/12	EY 12/13	EY 13/14	EY 14/15	EY 15/16	EY 16/17	EY 17/18	EY 18/19	EY 19/20
Single Family														
Tier 1	18.18%	19.78%	19.05%	19.05%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Tier 2	38.37%	18.49%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Multi-Family														
Tier 1	17.96%	18.52%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Tier 2	38.37%	18.49%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Small Comm														
Tier 1	15.29%	19.28%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Tier 2	38.37%	18.49%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Large Comm														
Tier 1	12.68%	19.10%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Tier 2	38.37%	18.49%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Irrigation														
Tier 1	38.96%	19.63%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
Tier 2	38.37%	18.49%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
City														
Tier 1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Tier 2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Meters														
3/4-in	12.64%	20.00%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
1-in	12.12%	19.19%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
1-1/2-in	11.69%	18.71%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
2-in	10.77%	18.14%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
3-in	10.38%	18.18%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
4-in	10.34%	18.88%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
6-in	10.19%	19.07%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%
8-in	10.16%	19.03%	19.05%	10.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	13.00%	5.00%	2.00%	2.00%

Table C.5
Davis Rate Revenue Projections

Class	Quantity Charge Revenue, \$ ⁽⁴⁾														
	FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Quantity Charge Revenue															
Single Family															
Tier 1	\$1,663,810	\$1,985,909	\$2,402,513	\$2,896,656	\$3,219,256	\$3,747,031	\$4,357,911	\$5,073,296	\$5,896,143	\$6,782,202	\$7,733,129	\$8,196,162	\$8,448,555	\$8,705,177	\$8,966,086
Tier 2	\$935,564	\$1,086,018	\$1,259,412	\$1,527,695	\$1,689,465	\$1,955,670	\$2,259,347	\$2,612,163	\$3,014,533	\$3,458,756	\$3,925,761	\$4,143,152	\$4,249,037	\$4,355,878	\$4,463,692
Total	\$2,599,374	\$3,071,927	\$3,671,925	\$4,424,351	\$4,908,721	\$5,702,701	\$6,617,258	\$7,685,460	\$8,910,677	\$10,240,959	\$11,658,910	\$12,339,313	\$12,697,593	\$13,061,056	\$13,429,788
Multi-Family															
Tier 1	\$404,693	\$479,825	\$574,368	\$694,138	\$771,444	\$893,822	\$1,039,731	\$1,207,333	\$1,403,587	\$1,616,475	\$1,846,438	\$2,015,731	\$2,015,731	\$2,075,938	\$2,137,148
Tier 2	\$605,828	\$946,679	\$1,013,240	\$1,225,487	\$1,361,977	\$1,584,424	\$1,839,560	\$2,137,404	\$2,479,162	\$2,858,360	\$3,280,456	\$3,458,107	\$3,564,129	\$3,781,523	\$3,961,582
Total	\$1,010,521	\$1,426,504	\$1,587,608	\$1,919,625	\$2,133,421	\$2,478,246	\$2,879,291	\$3,344,737	\$3,882,750	\$4,474,835	\$5,126,895	\$5,473,838	\$5,580,860	\$5,857,461	\$6,100,730
Small Comm															
Tier 1	\$139,899	\$164,498	\$198,170	\$238,542	\$265,108	\$307,294	\$356,192	\$414,454	\$482,344	\$555,843	\$635,099	\$674,289	\$694,299	\$714,641	\$735,321
Tier 2	\$167,101	\$235,846	\$282,242	\$341,359	\$379,384	\$441,348	\$512,417	\$595,383	\$690,581	\$796,208	\$908,214	\$963,270	\$992,803	\$1,022,830	\$1,053,350
Total	\$307,000	\$400,344	\$480,412	\$579,901	\$644,493	\$748,641	\$868,609	\$1,009,837	\$1,172,925	\$1,352,051	\$1,543,313	\$1,637,559	\$1,687,102	\$1,737,472	\$1,788,680
Large Comm															
Tier 1	\$139,170	\$158,354	\$190,487	\$229,050	\$254,559	\$296,241	\$344,083	\$400,408	\$465,456	\$535,618	\$611,028	\$648,595	\$668,666	\$689,690	\$710,762
Tier 2	\$135,022	\$188,701	\$225,823	\$273,123	\$303,547	\$353,124	\$409,967	\$476,368	\$552,526	\$637,049	\$726,665	\$770,716	\$794,345	\$818,370	\$842,796
Total	\$274,192	\$347,055	\$416,311	\$502,173	\$558,106	\$649,365	\$754,050	\$876,776	\$1,017,982	\$1,172,668	\$1,337,693	\$1,419,301	\$1,462,911	\$1,507,060	\$1,553,558
Irrigation															
Tier 1	\$60,427	\$125,659	\$150,321	\$179,810	\$197,857	\$227,630	\$261,887	\$300,641	\$345,268	\$393,417	\$445,090	\$467,403	\$476,798	\$486,193	\$495,588
Tier 2	\$30,026	\$41,548	\$49,229	\$59,950	\$64,868	\$74,716	\$86,888	\$99,807	\$113,471	\$129,531	\$146,250	\$153,622	\$156,794	\$159,906	\$163,048
Total	\$120,453	\$167,206	\$199,550	\$239,760	\$262,725	\$302,346	\$348,775	\$400,448	\$458,738	\$522,948	\$591,340	\$621,025	\$633,592	\$646,099	\$658,637
City	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City (a)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
All Classes	\$2,437,968	\$2,914,244	\$3,515,859	\$4,238,196	\$4,708,225	\$5,472,217	\$6,359,804	\$7,396,133	\$8,592,798	\$9,883,556	\$11,270,784	\$11,942,951	\$12,304,348	\$12,671,640	\$13,044,906
Tier 1	\$2,873,541	\$2,378,792	\$2,839,947	\$3,426,594	\$3,799,241	\$4,409,281	\$5,107,200	\$5,920,125	\$6,850,584	\$7,879,904	\$8,967,079	\$9,488,886	\$9,757,079	\$10,028,912	\$10,304,408
Total	\$4,311,540	\$5,293,036	\$6,355,806	\$7,664,790	\$8,507,466	\$9,881,498	\$11,467,004	\$13,316,258	\$15,443,382	\$17,763,460	\$20,238,190	\$21,431,817	\$22,061,428	\$22,700,552	\$23,348,315
Service Charge Revenue															
3/4-in	\$905,511	\$1,029,138	\$1,247,315	\$1,493,747	\$1,666,219	\$1,935,314	\$2,248,253	\$2,610,956	\$3,032,704	\$3,491,293	\$3,984,456	\$4,225,676	\$4,353,228	\$4,484,563	\$4,619,702
1-in	\$342,748	\$388,330	\$467,487	\$564,193	\$626,414	\$727,784	\$845,136	\$981,834	\$1,140,528	\$1,313,337	\$1,488,929	\$1,568,744	\$1,637,586	\$1,667,114	\$1,737,913
1-1/2-in	\$70,633	\$79,821	\$95,706	\$115,710	\$128,409	\$149,172	\$173,280	\$201,275	\$233,768	\$269,161	\$307,160	\$325,772	\$335,592	\$346,733	\$356,150
2-in	\$63,404	\$70,741	\$85,124	\$102,888	\$114,167	\$132,619	\$154,043	\$179,932	\$207,930	\$239,292	\$273,116	\$288,644	\$298,398	\$307,423	\$316,683
3-in	\$36,746	\$40,665	\$49,309	\$59,538	\$66,138	\$76,819	\$89,226	\$103,639	\$120,378	\$138,603	\$167,775	\$172,825	\$178,047	\$183,422	\$188,897
4-in	\$20,404	\$22,738	\$27,324	\$32,988	\$36,701	\$42,829	\$49,513	\$57,909	\$66,796	\$76,908	\$87,775	\$90,085	\$92,987	\$96,794	\$101,778
6-in	\$4,811	\$5,354	\$6,439	\$7,777	\$8,642	\$10,037	\$11,669	\$13,541	\$15,729	\$18,110	\$20,669	\$22,981	\$24,981	\$26,663	\$28,166
8-in	\$10,197	\$11,345	\$13,640	\$16,473	\$18,508	\$21,263	\$24,659	\$28,688	\$33,321	\$38,366	\$43,787	\$46,436	\$47,838	\$49,283	\$50,771
Total	\$1,454,453	\$1,648,432	\$1,992,342	\$2,398,324	\$2,664,996	\$3,086,659	\$3,595,808	\$4,176,374	\$4,851,048	\$5,585,059	\$6,374,099	\$6,760,034	\$6,963,948	\$7,174,219	\$7,390,454
Notes:															
4 Revenue from quantity charges and service charges is listed below.															
Quantity Chg	\$4,311,540	\$5,293,036	\$6,355,806	\$7,664,790	\$8,507,466	\$9,881,498	\$11,467,004	\$13,316,258	\$15,443,382	\$17,763,460	\$20,238,190	\$21,431,817	\$22,061,428	\$22,700,552	\$23,348,315
Service Chg	\$1,454,453	\$1,648,432	\$1,992,342	\$2,398,324	\$2,664,996	\$3,086,659	\$3,595,808	\$4,176,374	\$4,851,048	\$5,585,059	\$6,374,099	\$6,760,034	\$6,963,948	\$7,174,219	\$7,390,454
Total	\$5,765,993	\$6,941,468	\$8,348,148	\$10,063,114	\$11,172,462	\$12,968,157	\$15,062,812	\$17,492,632	\$20,294,430	\$23,348,519	\$26,612,290	\$28,191,851	\$29,025,376	\$29,874,771	\$30,738,769
Quantity Chg	74.78%	76.25%	76.13%	76.16%	76.15%	76.15%	76.13%	76.12%	76.10%	76.08%	76.05%	76.02%	76.01%	75.96%	75.96%
Service Chg	25.22%	23.75%	23.87%	23.85%	23.85%	23.85%	23.88%	23.88%	23.90%	23.92%	23.95%	23.98%	23.99%	24.04%	24.04%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table C.6
Davis - Evaluation of Debt Coverage

Item	Notes	Projected														
		Past Est. FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Net Water Revenues and Debt Service																
Gross Income	1.	\$5,785,993	\$6,961,468	\$8,368,148	\$10,084,114	\$11,792,464	\$12,997,137	\$15,082,812	\$17,512,632	\$20,314,430	\$23,368,519	\$26,632,290	\$28,211,851	\$29,045,376	\$29,894,771	\$30,759,769
O&M Expenditures	2.	\$5,600,000	\$5,880,000	\$6,174,000	\$6,482,700	\$6,882,265	\$7,226,377	\$7,587,696	\$7,967,082	\$8,365,430	\$8,783,708	\$10,729,730	\$13,061,920	\$13,659,519	\$14,286,991	\$14,945,842
Net Income		\$185,993	\$1,081,468	\$2,194,148	\$3,601,414	\$4,310,199	\$5,770,760	\$7,495,116	\$9,545,549	\$11,949,000	\$14,584,811	\$15,902,560	\$15,149,931	\$15,385,857	\$15,607,780	\$15,813,927
Debt Service																
Existing																
Meter Retrofit		\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$315,728	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
West Tank		\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000	\$240,000
Debt Service-Replacement		\$0	\$0	\$0	\$914,131	\$914,131	\$914,131	\$914,131	\$914,131	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579	\$1,002,579
Debt Service-Regional																
Issue 1		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249	\$2,831,249
Issue 3		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852	\$2,972,852
Issue 4		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,121,454	\$3,121,454	\$3,121,454	\$3,121,454	\$3,121,454
Debt Service-Local																
Issue 1		\$0	\$0	\$0	\$0	\$0	\$0	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324	\$113,324
Issue 2		\$0	\$0	\$0	\$0	\$0	\$0	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000	\$119,000
Issue 3		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327	\$1,124,327
Issue 4		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223	\$472,223
Issue 5		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Debt Service		\$555,728	\$555,728	\$555,728	\$1,469,859	\$1,469,859	\$1,469,859	\$1,154,131	\$1,267,455	\$4,306,151	\$8,403,330	\$11,997,006	\$11,997,006	\$11,997,006	\$11,997,006	\$11,997,006
Rate Covenant Evaluation																
Net Income		\$185,993	\$1,081,468	\$2,194,148	\$3,601,414	\$4,310,199	\$5,770,760	\$7,495,116	\$9,545,549	\$11,949,000	\$14,584,811	\$15,902,560	\$15,149,931	\$15,385,857	\$15,607,780	\$15,813,927
Total Debt Service		\$555,728	\$555,728	\$555,728	\$1,469,859	\$1,469,859	\$1,469,859	\$1,154,131	\$1,267,455	\$4,306,151	\$8,403,330	\$11,997,006	\$11,997,006	\$11,997,006	\$11,997,006	\$11,997,006
Calculated Coverage Ratio		0.33	1.95	3.95	2.45	2.93	3.93	6.49	7.53	2.77	1.74	1.33	1.26	1.28	1.30	1.32
Target Covenant Ratio		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
\$ Over/(Under) Covenant		\$508,667	\$386,808	\$1,499,488	\$1,764,090	\$2,472,875	\$3,933,436	\$6,052,452	\$7,961,230	\$6,566,311	\$4,080,649	\$906,302	\$153,673	\$389,599	\$611,522	\$817,669

Notes:
1. Gross income includes revenue from rates and miscellaneous charges.
2. O&M expenditures exclude capital expenditures.

APPENDIX D

Table D.2
Local Facilities Debt

	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
Issue 1																			
Disbursement	\$1,869,000																		
Payments																			
Principal		\$21,334	\$32,920	\$34,587	\$36,338	\$38,178	\$40,110	\$42,141	\$44,274	\$46,516	\$48,871	\$51,345	\$53,944						
Interest	\$94,969	\$92,072	\$90,435	\$88,769	\$87,018	\$85,178	\$83,245	\$81,215	\$79,081	\$76,840	\$74,485	\$72,011	\$69,412						
Total	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356						
Issue 2																			
Disbursement	\$17,659,788																		
Payments																			
Principal		\$281,803	\$296,070	\$311,058	\$326,806	\$343,350	\$360,732	\$378,984	\$398,181	\$418,338	\$439,517	\$461,768	\$485,145						
Interest		\$883,759	\$869,493	\$854,504	\$838,757	\$822,212	\$804,830	\$786,588	\$767,381	\$747,224	\$726,045	\$703,795	\$680,418						
Total		\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562						
Issue 3																			
Disbursement	\$11,126,416																		
Payments																			
Principal		\$168,993	\$177,548	\$186,537	\$195,980	\$205,901	\$216,325	\$227,277	\$238,783	\$250,871	\$263,571	\$276,915	\$290,933						
Interest		\$565,361	\$555,806	\$547,817	\$538,374	\$528,452	\$518,029	\$507,077	\$495,571	\$483,483	\$470,763	\$457,439	\$443,420						
Total		\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354						
Issue 4																			
Disbursement	\$0																		
Payments																			
Principal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Interest		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Issue 5																			
Disbursement	\$0																		
Payments																			
Principal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Interest		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
Total																			
Disbursement	\$30,655,204																		
Payments																			
Principal		\$298,049	\$482,131	\$532,182	\$559,124	\$587,429	\$617,168	\$648,412	\$681,238	\$715,725	\$751,959	\$790,027	\$830,022						
Interest		\$94,969	\$92,072	\$90,435	\$88,769	\$87,018	\$85,178	\$83,245	\$81,215	\$79,081	\$76,840	\$74,485	\$72,011						
Total		\$1,288,918	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272						

Table D.2
Local Facilities Debt

	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34	FY 34/35	FY 35/36	FY 36/37	FY 37/38	FY 38/39	FY 39/40	FY 40/41	FY 41/42	FY 42/43	FY 43/44	FY 44/45	Total	
Issue 1																					
Disbursement																					
Payments																					
Principal	\$56,675	\$56,544	\$62,558	\$65,725	\$69,053	\$72,549	\$76,221	\$80,080	\$84,134	\$88,383	\$92,868	\$97,570	\$102,509	\$107,699	\$113,151	\$118,872				\$1,906,380	
Interest	\$60,681	\$63,812	\$60,797	\$57,630	\$54,303	\$50,807	\$47,134	\$43,276	\$39,222	\$34,962	\$30,487	\$25,796	\$20,846	\$15,657	\$10,205	\$4,476				\$1,794,292	
Total	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356				\$3,700,672	
Issue 2																					
Disbursement																					
Payments																					
Principal	\$509,705	\$535,502	\$562,619	\$591,102	\$621,028	\$652,486	\$685,497	\$720,200	\$756,680	\$794,986	\$835,211	\$877,494	\$921,917	\$968,589	\$1,017,624	\$1,069,141	\$1,123,207			\$18,012,983	
Interest	\$655,657	\$630,053	\$602,943	\$574,461	\$544,538	\$513,097	\$480,065	\$445,362	\$408,902	\$370,596	\$330,351	\$288,068	\$243,645	\$196,973	\$147,938	\$96,421	\$42,296			\$16,953,887	
Total	\$1,165,362	\$1,165,555	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562			\$34,966,871	
Issue 3																					
Disbursement																					
Payments																					
Principal	\$305,662	\$321,136	\$337,393	\$354,474	\$372,419	\$391,273	\$411,081	\$431,892	\$453,757	\$476,728	\$500,863	\$526,219	\$552,858	\$580,847	\$610,252	\$641,146	\$673,604	\$707,706		\$11,348,944	
Interest	\$429,692	\$413,218	\$396,980	\$379,880	\$361,655	\$343,081	\$323,273	\$302,462	\$280,597	\$257,626	\$233,491	\$208,135	\$181,495	\$153,507	\$124,101	\$93,207	\$60,749	\$26,048		\$10,681,669	
Total	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$22,030,614	
Issue 4																					
Disbursement																					
Payments																					
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Issue 5																					
Disbursement																					
Payments																					
Principal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total																					
Disbursement																					
Payments																					
Principal	\$872,042	\$916,189	\$962,571	\$1,011,301	\$1,062,498	\$1,116,287	\$1,172,800	\$1,232,173	\$1,294,551	\$1,360,088	\$1,428,942	\$1,501,283	\$1,577,285	\$1,657,136	\$1,741,027	\$1,829,167	\$1,796,871	\$707,706		\$31,288,308	
Interest	\$1,151,230	\$1,107,083	\$1,060,701	\$1,011,971	\$960,773	\$906,984	\$850,472	\$791,099	\$728,721	\$663,184	\$594,330	\$521,989	\$445,987	\$366,137	\$282,244	\$194,105	\$103,045	\$26,648		\$29,429,849	
Total	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$2,023,272	\$734,354	\$0	\$60,698,156

Table D.3
Repl.Facilities Debt

	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26
Issue 1																			
Disbursement			\$4,119,500																
Payments																			
Principal																			
Interest		\$62,569	\$65,736	\$69,064	\$72,561	\$76,234	\$80,063	\$84,148	\$88,493	\$92,884	\$97,596	\$102,526	\$107,717	\$113,170	\$118,699	\$124,918	\$131,242	\$137,886	\$144,867
Total		\$209,322	\$208,155	\$202,827	\$199,330	\$195,657	\$191,797	\$187,743	\$183,483	\$179,007	\$174,305	\$169,365	\$164,174	\$158,721	\$152,992	\$146,973	\$140,649	\$134,004	\$127,024
Total		\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891
Issue 2																			
Disbursement			\$6,611,798																
Payments																			
Principal																			
Interest		\$100,423	\$105,507	\$110,848	\$116,460	\$122,356	\$128,550	\$135,058	\$141,885	\$149,078	\$156,625	\$164,555	\$172,885	\$181,637	\$190,833	\$200,484	\$210,644	\$217,308	\$221,308
Total		\$335,962	\$330,879	\$325,537	\$319,925	\$314,029	\$307,835	\$301,327	\$294,490	\$287,308	\$279,759	\$271,830	\$263,500	\$254,747	\$245,552	\$235,891	\$225,741	\$215,077	\$209,640
Total		\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385
Issue 3																			
Disbursement			\$6,140,208																
Payments																			
Principal																			
Interest		\$63,260	\$67,981	\$72,879	\$77,959	\$83,242	\$88,731	\$94,431	\$100,345	\$106,474	\$112,818	\$119,377	\$126,154	\$133,158	\$140,391	\$147,862	\$155,571	\$163,518	\$171,703
Total		\$311,969	\$307,279	\$302,318	\$297,106	\$291,631	\$285,879	\$280,835	\$275,509	\$270,899	\$265,994	\$260,805	\$255,329	\$249,564	\$243,521	\$237,200	\$230,602	\$223,724	\$216,547
Total		\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259
Issue 4																			
Disbursement			\$4,948,442																
Payments																			
Principal																			
Interest		\$75,159	\$78,964	\$82,962	\$87,162	\$91,574	\$96,210	\$101,081	\$106,198	\$111,574	\$117,223	\$123,157	\$129,392	\$135,942	\$142,824	\$150,055	\$157,647	\$165,598	\$173,917
Total		\$251,443	\$247,638	\$243,640	\$239,440	\$235,028	\$230,392	\$225,521	\$220,404	\$215,028	\$209,379	\$203,445	\$197,210	\$190,660	\$183,777	\$176,547	\$168,959	\$161,004	\$152,682
Total		\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602
Issue 5																			
Disbursement			\$8,357,602																
Payments																			
Principal																			
Interest		\$147,210	\$154,663	\$162,483	\$170,719	\$179,361	\$188,442	\$197,981	\$208,004	\$218,534	\$229,598	\$241,200	\$253,348	\$266,044	\$279,299	\$293,124	\$307,529	\$322,516	\$338,084
Total		\$404,399	\$411,493	\$418,244	\$424,671	\$430,785	\$436,562	\$442,001	\$447,117	\$451,824	\$456,124	\$460,018	\$463,506	\$466,589	\$469,267	\$471,544	\$473,421	\$474,898	\$475,975
Total		\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609
Total																			
Disbursement			\$30,177,550																
Payments																			
Principal																			
Interest		\$62,569	\$166,159	\$267,831	\$368,549	\$474,600	\$581,683	\$694,823	\$814,038	\$939,312	\$1,070,758	\$1,209,483	\$1,356,605	\$1,511,524	\$1,675,371	\$1,848,157	\$2,030,004	\$2,221,929	\$2,424,017
Total		\$209,322	\$542,116	\$845,704	\$1,085,588	\$1,365,537	\$1,691,746	\$2,069,123	\$2,493,209	\$2,964,117	\$3,484,551	\$4,055,138	\$4,686,143	\$5,377,648	\$6,130,722	\$6,956,406	\$7,867,746	\$8,867,664	\$9,960,300
Total		\$271,891	\$708,276	\$1,113,535	\$1,440,137	\$1,740,137	\$2,069,123	\$2,493,209	\$2,964,117	\$3,484,551	\$4,055,138	\$4,686,143	\$5,377,648	\$6,130,722	\$6,956,406	\$7,867,746	\$8,867,664	\$9,960,300	\$11,117,746

Table D.3
Repl.Facilities Debt

	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34	FY 34/35	FY 35/36	FY 36/37	FY 37/38	FY 38/39	FY 39/40	FY 40/41	FY 41/42	FY 42/43	FY 43/44	FY 44/45	Total			
Issue 1																							
Disbursement																							
Payments																							
Principal	\$152,201	\$159,906	\$168,001	\$176,508	\$185,442	\$194,830	\$204,693	\$215,058	\$225,943	\$237,381	\$249,389	\$262,024									\$4,201,890		
Interest	\$119,680	\$111,985	\$103,890	\$96,385	\$88,449	\$77,061	\$67,198	\$58,635	\$49,948	\$34,510	\$22,492	\$9,866										\$3,954,835	
Total	\$271,881	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891	\$271,891										\$8,156,725	
Issue 2																							
Disbursement																							
Payments																							
Principal	\$232,511	\$244,282	\$256,649	\$269,652	\$283,292	\$297,634	\$312,702	\$328,532	\$345,164	\$362,638	\$380,987	\$400,285	\$420,549										\$6,744,033
Interest	\$203,873	\$192,103	\$178,738	\$166,743	\$153,092	\$138,751	\$123,683	\$107,852	\$91,220	\$73,746	\$55,388	\$36,100	\$18,835										\$6,347,510
Total	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385	\$436,385										\$13,091,543
Issue 3																							
Disbursement																							
Payments																							
Principal	\$205,523	\$215,927	\$226,859	\$238,343	\$250,410	\$263,087	\$276,405	\$290,396	\$305,100	\$320,545	\$336,773	\$353,822	\$371,724	\$390,553									\$6,263,013
Interest	\$199,737	\$189,332	\$178,401	\$166,916	\$154,850	\$142,173	\$128,854	\$114,881	\$100,160	\$84,714	\$68,486	\$51,437	\$33,525	\$14,708									\$5,894,771
Total	\$405,260	\$405,259	\$405,260	\$405,259	\$405,260	\$405,260	\$405,259	\$405,259	\$405,260	\$405,259	\$405,259	\$405,259	\$405,259	\$405,259									\$12,157,783
Issue 4																							
Disbursement																							
Payments																							
Principal	\$157,651	\$165,632	\$174,018	\$182,827	\$192,083	\$201,807	\$212,023	\$222,757	\$234,034	\$245,882	\$258,330	\$271,408	\$285,148	\$299,584	\$314,750								\$5,047,411
Interest	\$168,950	\$160,089	\$152,584	\$145,775	\$139,319	\$124,795	\$114,578	\$103,845	\$92,567	\$80,720	\$68,272	\$55,194	\$41,454	\$27,018	\$11,852								\$4,750,642
Total	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602	\$326,602								\$9,798,052
Issue 5																							
Disbursement																							
Payments																							
Principal	\$241,221	\$253,433	\$266,263	\$279,743	\$293,905	\$308,783	\$324,416	\$340,839	\$358,094	\$376,223	\$395,269	\$415,279	\$436,303	\$458,391	\$481,597	\$505,978	\$531,593						\$8,524,754
Interest	\$310,388	\$298,177	\$285,347	\$271,867	\$257,705	\$242,828	\$227,194	\$210,770	\$193,515	\$175,387	\$156,341	\$136,330	\$115,307	\$93,219	\$70,013	\$45,632	\$20,017						\$8,023,531
Total	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609	\$551,609						\$16,548,285
Total																							
Disbursement																							
Payments																							
Principal	\$889,107	\$1,039,181	\$1,091,789	\$1,147,061	\$1,205,131	\$1,266,141	\$1,330,239	\$1,397,993	\$1,468,335	\$1,542,670	\$1,620,767	\$1,702,819	\$1,789,528	\$1,881,148	\$1,977,347	\$2,078,615	\$2,185,188	\$0	\$0	\$0	\$0	\$0	\$30,781,101
Interest	\$1,002,639	\$952,565	\$894,685	\$844,685	\$786,615	\$725,605	\$661,507	\$594,164	\$523,411	\$449,076	\$370,979	\$288,927	\$206,121	\$134,943	\$81,864	\$45,632	\$20,017	\$0	\$0	\$0	\$0	\$0	\$28,971,288
Total	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$0	\$0	\$0	\$0	\$0	\$59,752,389

Table D.4
Woodland Cash Flow Projections

Item	Notes	Projected													
		FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Beginning, July 1	1.	\$2,500,494	\$2,477,953	\$5,274,766	\$8,112,039	\$10,399,313	\$9,600,682	\$7,283,689	\$17,180,046	\$15,173,676	\$878,619	\$6,370,463	\$11,050,434	\$11,500,226	\$13,000,558
Expenditures															
Existing System															
O&M	2.	\$4,336,000	\$4,574,480	\$4,826,076	\$5,091,511	\$5,371,544	\$5,666,979	\$5,978,662	\$6,307,489	\$6,654,401	\$7,020,393	\$7,406,514	\$7,813,873	\$8,243,636	\$8,697,036
O&M Savings	3.										(\$1,550,000)	(\$2,647,624)	(\$2,793,243)	(\$2,946,872)	(\$3,108,950)
Capital - Repl.	4.	\$1,296,200	\$4,119,500	\$6,611,798	\$6,140,208	\$4,948,442	\$4,480,538	\$8,357,602	\$2,753,092	\$2,890,747	\$3,035,284	\$3,436,037	\$8,836,590	\$8,875,806	\$9,415,675
Debt Service															
Cal Energy Loan	5.	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765
Replacement CIP	6.	\$0	\$0	\$271,891	\$708,276	\$1,113,535	\$1,440,137	\$1,440,137	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746	\$1,991,746
Subtotal Existing System		\$5,718,965	\$8,780,745	\$11,796,530	\$12,026,759	\$11,520,285	\$11,674,419	\$15,863,166	\$11,139,092	\$11,623,659	\$10,584,188	\$10,273,438	\$15,935,731	\$16,251,081	\$17,082,272
Water Supply System															
O&M															
Local	7.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$683,258	\$720,837	\$760,483	\$802,310
Regional	8.	\$0	\$0	\$0	\$88,540	\$92,970	\$97,620	\$102,500	\$107,630	\$113,010	\$1,236,010	\$2,595,630	\$2,725,410	\$2,861,680	\$3,004,770
Water Purchases	9.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$651,540	\$1,303,090	\$1,303,090	\$1,303,090	\$1,303,090
Capital Expend.															
Regional	10.	\$176,527	\$591,081	\$1,364,321	\$2,569,424	\$5,108,287	\$5,427,644	\$39,369,670	\$41,338,120	\$43,405,220	\$453,000	\$0	\$0	\$0	\$0
Local	11.	\$0	\$0	\$0	\$0	\$1,780,000	\$1,869,000	\$17,659,788	\$18,544,027	\$19,468,428	\$0	\$0	\$0	\$0	\$0
Debt Service-Region	12.														
Issue 1								\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2								\$0	\$2,607,736	\$2,607,736	\$2,607,736	\$2,607,736	\$2,607,736	\$2,607,736	\$2,607,736
Issue 3								\$0	\$0	\$2,738,160	\$2,738,160	\$2,738,160	\$2,738,160	\$2,738,160	\$2,738,160
Issue 4								\$0	\$0	\$0	\$2,875,030	\$2,875,030	\$2,875,030	\$2,875,030	\$2,875,030
Debt Service-Local	13.														
Issue 1								\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356	\$123,356
Issue 2								\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562	\$1,165,562
Issue 3								\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354	\$734,354
Issue 4															
Issue 5															
Subtotal Water Supply System		\$176,527	\$591,081	\$1,364,321	\$2,657,964	\$6,981,257	\$7,394,264	\$57,255,313	\$63,886,431	\$70,355,826	\$12,584,748	\$14,826,176	\$14,993,535	\$15,169,451	\$15,354,367
Total Expenditures		\$5,895,492	\$9,371,826	\$13,160,851	\$14,684,724	\$18,501,542	\$19,068,683	\$73,118,479	\$75,025,523	\$81,979,484	\$23,168,936	\$25,099,614	\$30,929,266	\$31,420,532	\$32,436,639

Table D.4
Woodland Cash Flow Projections

Item	Notes	Projected													
		FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Revenues															
14.	Rates	\$5,802,950	\$6,733,170	\$8,010,034	\$9,501,453	\$11,268,466	\$13,356,308	\$15,884,328	\$18,837,424	\$22,336,212	\$26,571,629	\$27,820,187	\$29,119,743	\$30,472,235	\$31,879,669
15.	Capacity Charges	\$0	\$1,196,400	\$1,181,856	\$1,009,133	\$1,049,498	\$1,056,382	\$1,343,550	\$1,146,759	\$1,195,037	\$1,707,974	\$1,776,293	\$1,847,345	\$1,921,239	\$1,998,088
16.	Miscellaneous	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
17.	Interest on balance	\$50,000	\$99,569	\$174,436	\$301,203	\$416,505	\$450,000	\$379,898	\$550,434	\$727,959	\$361,177	\$163,104	\$391,970	\$507,390	\$551,288
18.	Grants							\$0	\$0	\$0					
	Appropriations														
	Bond Proceeds - Repl.		\$4,119,500	\$6,611,798	\$6,140,208	\$4,948,442		\$8,357,602	\$41,338,120	\$43,405,220					
	Issue 1														
	Issue 2														
	Issue 3														
	Issue 4														
	Issue 5														
	Bond Proceeds - Reg.				\$0			\$39,369,670							
	Issue 1														
	Issue 2														
	Issue 3														
	Issue 4														
	Bond Proceeds - Local														
	Issue 1														
	Issue 2														
	Issue 3														
	Issue 4														
	Issue 5														
	Total Revenues	\$5,872,950	\$12,168,639	\$15,998,123	\$16,971,998	\$17,702,911	\$16,751,690	\$83,014,836	\$73,019,153	\$67,884,428	\$28,660,780	\$29,779,584	\$31,379,058	\$32,920,864	\$34,449,025
	Revenues - Expenditures	(\$22,541)	\$2,796,813	\$2,837,272	\$2,287,274	(\$798,631)	(\$2,316,993)	\$9,896,357	(\$2,006,370)	(\$14,295,067)	\$5,491,844	\$4,679,970	\$449,793	\$1,500,332	\$2,012,386
	Ending, June 30	\$2,477,853	\$5,274,766	\$8,112,039	\$10,399,313	\$9,600,682	\$7,283,689	\$17,180,046	\$15,173,676	\$878,619	\$6,370,463	\$11,050,434	\$11,500,226	\$13,000,558	\$15,012,944

**Table D.4
Woodland Cash Flow Projections**

Item	Notes	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Notes:															
1.	The FY 06/07 O&M budget was provided by City's the Senior Civil Engineer in an email dated March 9, 2007.														
2.	The FY 06/07 beginning balance was provided by City's the Senior Civil Engineer in an email dated March 9, 2007. The annual escalation of O&M costs was provided by City's the Senior Civil Engineer in an email dated March 9, 2007. The annual percent has two components - cost escalation (about 4.5%) and system-wide growth (about 1.5%).														
3.	O&M savings are for reductions in operating costs as a result of the water supply project and were provided by City's the Senior Civil Engineer in an email dated March 9, 2007. Annual escalation is based on the cost escalation component provided by the City and referenced in Footnote 2.	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%	5.5%
	<i>annual ></i>	11.3%	17.4%	23.9%	30.7%	37.9%	45.5%	53.5%	61.9%	70.8%	80.2%	90.1%	100.6%		
	<i>cumulative ></i>														
4.	Capital expenditures are from Table D.1, Woodland Local Facilities and Replacement Facilities Debt Issuance.														
5.	Data for the California Energy Loan were provided by City's the Senior Civil Engineer in an email dated March 9, 2007 and are summarized below.														
	<i>Loan Amt ></i>	\$1,800,000													
	<i>Rate ></i>	3.95%													
6.	Debt service for replacement capital expenditures is from Table D.3, Repl.Facilities Debt.														
7.	Additional O&M for new local facilities was provided by City's the Senior Civil Engineer in an email dated March 9, 2007.														
8.	O&M expenditures for regional facilities is from Table A.7, Anticipated Annual Expenditures - City of Woodland (Nominal Dollars).														
9.	Water purchase costs are from Table A.7, Anticipated Annual Expenditures - City of Woodland (Nominal Dollars).														
10.	Capital expenditures for regional facilities is from Table A.7, Anticipated Annual Expenditures - City of Woodland (Nominal Dollars).														
11.	Capital expenditures for local facilities is from Table A.7, Anticipated Annual Expenditures - City of Woodland (Nominal Dollars).														
12.	Debt service for regional facilities is based on the debt summary shown in Table B.2 and the annual debt service allocations shown in Table B.3.														
13.	Debt service for local facilities is based on the debt summary shown in Table D.1 and the annual debt service calculations shown in Table D.2.														
14.	Rates are increased at the following rates:														
		16.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%
	<i>COVERAGE ></i>	25.11	8.93	5.46	4.85	4.99	5.95	2.08	1.65	1.44	1.29	1.35	1.41	1.47	
15.	The capacity charge for water supply capital costs could range from a low of zero (no charge) to approximately \$6,200 per dwelling unit in 2006 dollars. The upper range value is based on the current value of the regional and local capital costs with one-third of the costs of benefit to new development (approximately \$140M). The projected number of new development dwelling units is projected to be approximately 7,500. A fee in the middle of the range, \$3,000, is used for revenue projection purposes. The multiple family fee is 0.61 of the single family fee using the relationship developed in the MPFP table B-9, p. B-17.														
	Water Supply Development Impact Fee														
	<i>Single Family (esc @4%/yr)</i>	\$3,000	\$3,120	\$3,245	\$3,375	\$3,510	\$3,650	\$3,796	\$3,948	\$4,106	\$4,270	\$4,441	\$4,618	\$4,803	
	<i>Multiple Family (esc @4%/yr)</i>	\$1,830	\$1,903	\$1,979	\$2,059	\$2,141	\$2,226	\$2,316	\$2,408	\$2,504	\$2,605	\$2,709	\$2,817	\$2,930	
	Revenue														
	<i>Single Family</i>	\$1,050,000	\$1,029,600	\$811,200	\$843,648	\$842,298	\$875,990	\$660,497	\$686,916	\$1,457,526	\$1,576,460	\$1,639,519	\$1,705,099	\$1,770,989	
	<i>Multiple Family</i>	\$146,400	\$152,256	\$197,933	\$205,850	\$214,084	\$467,560	\$486,262	\$508,121	\$250,448	\$260,466	\$270,885	\$281,720	\$292,989	
	<i>Capacity Charge Revenue</i>	\$1,196,400	\$1,181,856	\$1,009,133	\$1,049,498	\$1,056,382	\$1,343,550	\$1,146,759	\$1,195,037	\$1,707,974	\$1,776,293	\$1,847,345	\$1,921,239	\$1,998,088	
16.	Miscellaneous revenue projections were provided by the City.														
17.	Interest on the fund balance is at the rate shown below. If the fund balance is negative no interest is calculated.														
	<i>FY 06/07</i>	3.5%	4.0%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
18.	Grant assumptions for regional projects are listed in Table B.2 and total \$0,000 for all participants.														

Table D.5
Woodland Rate Revenue Projections

Class	Water Use, Cubic feet, or Meters ⁽¹⁾⁽²⁾														
	Past Est. FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Residential															
Residential <5k	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502
Residential 5k-10k	9,153	9,853	10,183	10,183	10,433	10,683	10,923	11,163	11,337	11,511	11,686	12,221	12,576	12,931	13,286
Residential >10k	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227
Residential All <5k	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348
Residential All 5k-10k	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
Residential All >10k	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Condo Residential	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289
Condo Apartment	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Apartment 4 or less	100	140	220	300	400	500	600	810	1,020	1,231	1,331	1,431	1,531	1,631	1,731
Apartment 5 or more	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
Mobile homes	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Total Residential	13,088	13,478	13,908	14,318	14,668	15,018	15,358	15,808	16,192	16,577	17,032	17,487	17,942	18,397	18,852
Commercial															
Flat Rate															
3/4-in	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1-in	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
1-1/2-in	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311
2-in	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370
3-in	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
4-in	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
6-in	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8-in	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No meter	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220
Total Meters	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426
Water Use															
3/4-in	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000
1-in	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000	13,000,000
1-1/2-in	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000	24,000,000
2-in	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000	65,000,000
3-in	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
4-in	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000
6-in	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000	14,200,000
8-in	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No meter	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000
Total Use	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000	169,100,000

Notes:
1 FY 05/06 data is from the City of Woodland 2005 Draft Water Rate Review and Financing Plan (2005 Study). Table 2 (residential users), Table 3 (commercial users), and Table 4 (water use).
The FY 05/06 data listed above for single family and multiple family includes the growth data shown in Footnote 2.
2 Residential growth for FY 05/06 through FY 14/15 is from the City of Woodland 2005 Draft Water Rate Review and Financing Plan, Table 8 (absorption analysis). Single family and multiple family growth shown in Table 8 was not assigned to a residential billing class. For this study, all single family growth is assigned to the Residential 5k-10k class and all multiple family growth is assigned to the Apartment 4 or less class.
The FY 05/06 value for multiple family (Apartments 4 or less) is the sum of 6628 units as of CY 2004 plus 175 new units for FY 04/05 plus 350 units for FY 05/06.
The 2005 Study did not have data for FY 15/16 - FY 19/20. The single family absorption rate for FY 15/16 - FY 19/20 is based on the difference between the total number of dwelling units shown in the 2006 Major Projects Financing Plan, Table 1 (p. 3) and the total shown for FY 06/07 - FY 14/15 from the 2005 Study.
The multiple family absorption rate for FY 15/16 - FY 19/20 is based on the same methodology as for single family with a further reduction of approximately 70 percent to account lower projected rate of growth.

	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Single Family, Annual >	350	350	330	250	250	240	240	174	174	365	355	355	355	355
Multiple Family, Annual >	875	1,225	1,555	1,805	2,055	2,285	2,535	2,709	2,883	3,238	3,583	3,948	4,303	4,658
Multiple Family, Annual >	40	40	80	100	100	100	210	211	211	100	100	100	100	100
Multiple Family, Annual >	40	80	160	340	440	540	750	960	1,171	1,271	1,371	1,471	1,571	1,671

Table D.5
Woodland Rate Revenue Projections

Class	Quantity Charge (\$ per Hundred Cubic Feet) or Service Charge (\$ per month) ⁽³⁾														
	Actual FY 05/06	Actual FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Residential															
Residential <5k	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Residential 5k-10k	\$19.35	\$24.02	\$28.95	\$37.90	\$48.65	\$61.20	\$76.69	\$95.29	\$118.61	\$151.58	\$188.85	\$196.26	\$204.90	\$213.85	\$223.09
Residential >10k	\$21.67	\$28.16	\$34.86	\$45.35	\$58.55	\$74.50	\$94.44	\$120.07	\$153.73	\$198.04	\$248.01	\$259.01	\$270.34	\$282.00	\$294.99
Residential Alt <5k	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Residential Alt 5k-10k	\$19.35	\$24.02	\$28.95	\$37.90	\$48.65	\$61.20	\$76.69	\$95.29	\$118.61	\$151.58	\$188.85	\$196.26	\$204.90	\$213.85	\$223.09
Residential Alt >10k	\$21.67	\$28.16	\$34.86	\$45.35	\$58.55	\$74.50	\$94.44	\$120.07	\$153.73	\$198.04	\$248.01	\$259.01	\$270.34	\$282.00	\$294.99
Condo Residential	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Condo Apartment	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Apartment 4 or less	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Apartment 5 or more	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Mobile homes	\$14.88	\$16.97	\$19.34	\$22.63	\$26.47	\$30.98	\$36.24	\$42.40	\$49.61	\$58.04	\$67.91	\$69.95	\$72.05	\$74.21	\$76.43
Commercial															
Flat Rate															
3/4-in	\$1.41	\$1.61	\$1.84	\$2.15	\$2.52	\$2.95	\$3.45	\$4.03	\$4.72	\$5.52	\$6.46	\$6.65	\$6.85	\$7.06	\$7.27
1-in	\$2.83	\$3.23	\$3.68	\$4.31	\$5.04	\$5.89	\$6.90	\$8.07	\$9.44	\$11.04	\$12.92	\$13.31	\$13.71	\$14.12	\$14.54
1-1/2-in	\$5.65	\$6.44	\$7.34	\$8.59	\$10.05	\$11.76	\$13.75	\$16.09	\$18.83	\$22.03	\$26.55	\$26.55	\$27.34	\$28.16	\$29.01
2-in	\$8.49	\$9.68	\$11.03	\$12.64	\$14.50	\$16.67	\$19.17	\$22.07	\$26.29	\$31.85	\$38.73	\$39.89	\$41.09	\$42.32	\$43.59
3-in	\$16.98	\$19.34	\$22.04	\$25.28	\$29.00	\$33.30	\$38.30	\$44.10	\$50.70	\$58.15	\$67.39	\$69.71	\$72.11	\$74.57	\$77.07
4-in	\$28.27	\$32.24	\$36.75	\$42.00	\$48.00	\$54.80	\$62.40	\$70.80	\$80.00	\$90.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
6-in	\$66.54	\$76.69	\$88.00	\$100.00	\$112.00	\$125.00	\$138.00	\$152.00	\$166.00	\$180.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
8-in	\$111.56	\$128.20	\$146.00	\$165.00	\$185.00	\$205.00	\$225.00	\$245.00	\$265.00	\$285.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00
No meter															
Water Use															
3/4-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
1-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
1-1/2-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
2-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
3-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
4-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
6-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81
8-in	\$1.13	\$1.29	\$1.47	\$1.72	\$2.01	\$2.35	\$2.75	\$3.22	\$3.77	\$4.41	\$5.16	\$5.32	\$5.48	\$5.64	\$5.81

Notes:
3. Actual FY 06/07 and projected annual increases in water use and number of meters are shown below.

Class	Quantity Charge (\$ per Hundred Cubic Feet) or Service Charge (\$ per month) ⁽³⁾														
	Actual FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Residential															
Residential <5k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Residential 5k-10k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Residential >10k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Residential Alt <5k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Residential Alt 5k-10k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Residential Alt >10k	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Condo Residential	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Condo Apartment	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Apartment 4 or less	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Apartment 5 or more	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Mobile homes	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Commercial															
Flat Rate															
3/4-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
1-in	14.1%	13.9%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
1-1/2-in	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
2-in	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
3-in	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
4-in	14.0%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
6-in	14.4%	13.6%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
8-in	14.0%	14.1%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
Water Use															
3/4-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
1-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
1-1/2-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
2-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
3-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
4-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
6-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%
8-in	14.2%	14.0%	14.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	17.0%	3.0%	3.0%	3.0%	3.0%

Table D.5
Woodland Rate Revenue Projections

Class	Quantity Charge Revenue, \$ ⁽⁴⁾ Projected														
	Past Est. FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Residential															
Residential <5k	\$268,197	\$305,867	\$348,584	\$407,843	\$477,177	\$558,297	\$653,207	\$764,253	\$894,176	\$1,046,185	\$1,224,037	\$1,260,758	\$1,296,581	\$1,337,538	\$1,377,664
Residential 5k-10k	\$2,015,481	\$2,385,633	\$2,819,929	\$3,408,818	\$4,097,432	\$4,896,891	\$5,829,076	\$7,004,544	\$8,323,068	\$9,887,437	\$11,925,068	\$12,650,290	\$13,408,293	\$14,200,391	\$15,027,948
Residential >10k	\$319,069	\$363,683	\$414,628	\$485,115	\$567,584	\$664,073	\$776,966	\$909,050	\$1,063,568	\$1,244,399	\$1,455,946	\$1,499,625	\$1,544,613	\$1,590,952	\$1,638,680
Residential All <5k	\$62,139	\$70,967	\$80,764	\$94,494	\$110,558	\$129,352	\$151,342	\$177,071	\$207,173	\$242,392	\$283,598	\$292,106	\$300,870	\$309,896	\$319,193
Residential All 5k-10k	\$20,038	\$22,845	\$26,044	\$30,472	\$35,652	\$41,713	\$48,804	\$57,101	\$66,808	\$78,165	\$94,187	\$97,022	\$99,633	\$102,931	\$106,833
Residential All >10k	\$1,004	\$1,196	\$1,014	\$1,186	\$1,388	\$1,624	\$1,900	\$2,223	\$2,600	\$3,043	\$3,560	\$3,667	\$3,777	\$3,890	\$4,007
Condo Residential	\$51,904	\$58,852	\$67,071	\$78,473	\$91,814	\$107,422	\$125,684	\$147,050	\$172,048	\$201,297	\$235,517	\$242,583	\$249,860	\$257,356	\$265,077
Condo Apartment	\$2,878	\$3,055	\$3,481	\$4,073	\$4,765	\$5,576	\$6,523	\$7,732	\$9,300	\$10,448	\$12,224	\$12,591	\$12,968	\$13,358	\$13,758
Apartment 4 or less	\$17,958	\$28,510	\$31,481	\$37,400	\$42,078	\$49,851	\$59,535	\$70,825	\$83,930	\$99,320	\$116,483	\$120,162	\$123,663	\$127,006	\$130,206
Apartment 5 or more	\$37,468	\$42,764	\$48,737	\$57,022	\$66,716	\$78,057	\$91,327	\$106,853	\$125,018	\$146,271	\$171,137	\$176,271	\$181,559	\$187,006	\$192,616
Mobile homes	\$26,784	\$30,546	\$34,812	\$40,730	\$47,654	\$55,755	\$65,234	\$76,324	\$89,298	\$104,479	\$122,241	\$125,908	\$129,685	\$133,576	\$137,583
Total Residential	\$2,822,134	\$3,313,510	\$3,896,121	\$4,690,686	\$5,617,917	\$6,724,612	\$8,039,988	\$9,684,246	\$11,559,928	\$13,821,941	\$16,609,484	\$17,559,157	\$18,550,883	\$19,586,309	\$20,667,164
Commercial															
Flat Rate															
3/4-in	\$890	\$1,005	\$1,148	\$1,343	\$1,572	\$1,839	\$2,152	\$2,517	\$2,945	\$3,446	\$4,032	\$4,153	\$4,277	\$4,406	\$4,538
1-in	\$12,701	\$14,496	\$16,516	\$19,324	\$22,069	\$26,462	\$30,949	\$36,210	\$42,366	\$49,568	\$57,995	\$61,526	\$63,372	\$65,273	\$67,230
1-1/2-in	\$21,068	\$24,034	\$27,353	\$32,060	\$37,498	\$43,873	\$51,331	\$60,057	\$70,267	\$82,213	\$96,189	\$99,074	\$102,047	\$105,108	\$108,261
2-in	\$31,688	\$36,979	\$42,973	\$50,804	\$59,639	\$69,536	\$81,571	\$95,861	\$112,624	\$132,060	\$153,281	\$156,126	\$159,071	\$162,113	\$165,256
3-in	\$44,025	\$51,655	\$60,227	\$70,804	\$83,471	\$98,241	\$115,219	\$134,506	\$156,204	\$180,321	\$205,861	\$210,716	\$215,671	\$220,726	\$225,891
4-in	\$58,181	\$68,072	\$79,927	\$93,804	\$109,711	\$127,659	\$147,657	\$169,715	\$194,844	\$224,161	\$259,671	\$265,526	\$271,481	\$277,536	\$283,691
5-in	\$73,685	\$86,819	\$101,927	\$119,125	\$138,422	\$159,820	\$183,319	\$208,927	\$236,645	\$276,472	\$318,411	\$326,266	\$334,221	\$342,276	\$350,431
6-in	\$89,531	\$105,930	\$124,478	\$145,276	\$168,474	\$194,072	\$222,071	\$252,470	\$285,269	\$331,067	\$373,066	\$382,921	\$392,876	\$402,931	\$413,086
8-in	\$169,531	\$193,246	\$220,478	\$257,960	\$301,813	\$353,121	\$413,152	\$483,387	\$566,563	\$661,709	\$774,200	\$797,426	\$821,348	\$845,689	\$871,368
Total Meters	\$270,185	\$308,050	\$351,279	\$410,996	\$480,866	\$562,613	\$658,257	\$770,161	\$901,088	\$1,054,273	\$1,233,500	\$1,270,505	\$1,308,620	\$1,347,879	\$1,388,315
Water Use															
3/4-in	\$10,170	\$11,610	\$13,230	\$15,479	\$18,111	\$21,189	\$24,792	\$29,006	\$33,937	\$39,706	\$46,457	\$47,850	\$49,286	\$50,764	\$52,287
1-in	\$146,900	\$167,700	\$191,100	\$223,587	\$261,597	\$306,068	\$358,100	\$418,977	\$490,203	\$573,537	\$661,170	\$691,170	\$711,905	\$733,262	\$755,260
1-1/2-in	\$271,200	\$309,600	\$352,800	\$412,776	\$482,948	\$565,049	\$661,107	\$773,496	\$904,990	\$1,058,838	\$1,238,841	\$1,276,096	\$1,314,286	\$1,353,715	\$1,394,326
2-in	\$734,500	\$838,500	\$965,500	\$1,117,935	\$1,307,984	\$1,530,341	\$1,790,499	\$2,094,884	\$2,451,014	\$2,867,887	\$3,356,525	\$3,465,849	\$3,569,525	\$3,666,311	\$3,776,300
3-in	\$282,500	\$322,500	\$367,500	\$429,575	\$503,071	\$588,593	\$688,654	\$805,725	\$942,688	\$1,102,966	\$1,290,459	\$1,298,173	\$1,309,048	\$1,410,119	\$1,452,423
4-in	\$305,100	\$348,300	\$396,900	\$464,373	\$543,316	\$635,680	\$743,146	\$870,163	\$1,018,114	\$1,191,193	\$1,393,696	\$1,435,507	\$1,478,572	\$1,522,929	\$1,568,617
6-in	\$160,460	\$183,180	\$208,740	\$244,226	\$285,744	\$334,321	\$391,155	\$457,652	\$538,452	\$626,479	\$732,981	\$754,970	\$777,610	\$800,948	\$824,676
8-in	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Use	\$1,910,830	\$2,181,390	\$2,485,770	\$2,908,351	\$3,402,771	\$3,981,242	\$4,658,053	\$5,449,922	\$6,376,408	\$7,460,398	\$8,728,665	\$9,990,525	\$9,260,241	\$9,538,048	\$9,824,190
Total Revenue	\$5,003,148	\$5,802,950	\$6,733,170	\$8,010,034	\$9,501,453	\$11,288,466	\$13,356,308	\$15,884,328	\$18,837,424	\$22,336,212	\$26,571,629	\$27,820,187	\$29,119,743	\$30,472,235	\$31,879,669
Notes:															
4 Revenue from residential and commercial customers is summarized below:															
	FY 05/06	FY 06/07	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Residential	\$2,822,134	\$3,313,510	\$3,896,121	\$4,690,686	\$5,617,917	\$6,724,612	\$8,039,988	\$9,684,246	\$11,559,928	\$13,821,941	\$16,609,484	\$17,559,157	\$18,550,883	\$19,586,309	\$20,667,164
Commercial Meters	\$270,185	\$308,050	\$351,279	\$410,996	\$480,866	\$562,613	\$658,257	\$770,161	\$901,088	\$1,054,273	\$1,233,500	\$1,270,505	\$1,308,620	\$1,347,879	\$1,388,315
Commercial Use	\$1,910,830	\$2,181,390	\$2,485,770	\$2,908,351	\$3,402,771	\$3,981,242	\$4,658,053	\$5,449,922	\$6,376,408	\$7,460,398	\$8,728,665	\$9,990,525	\$9,260,241	\$9,538,048	\$9,824,190
Total	\$5,003,148	\$5,802,950	\$6,733,170	\$8,010,034	\$9,501,453	\$11,288,466	\$13,356,308	\$15,884,328	\$18,837,424	\$22,336,212	\$26,571,629	\$27,820,187	\$29,119,743	\$30,472,235	\$31,879,669
Residential	56.41%	57.10%	57.98%	58.56%	59.13%	59.68%	60.20%	60.84%	61.37%	61.86%	62.51%	63.12%	63.71%	64.28%	64.83%
Commercial Meters	5.40%	5.31%	5.22%	5.13%	5.06%	4.99%	4.93%	4.85%	4.78%	4.72%	4.64%	4.57%	4.49%	4.42%	4.35%
Commercial Use	38.19%	37.59%	36.92%	36.31%	35.81%	35.33%	34.89%	34.31%	33.65%	33.40%	32.85%	32.32%	31.80%	31.30%	30.82%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table D.6
Woodland - Evaluation of Debt Coverage

Item	Notes	Projected														
		Past Est. FY 05/06	FY 07/08	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	
Net Water Revenues and Debt Service																
Gross Income	1.	\$0	\$5,822,950	\$6,753,170	\$8,030,034	\$9,521,453	\$11,288,466	\$13,376,308	\$15,904,328	\$18,857,424	\$22,356,212	\$26,591,629	\$27,840,187	\$29,139,743	\$30,492,235	\$31,899,669
O&M Expenditures	2.	\$0	\$4,336,000	\$4,574,480	\$4,826,076	\$5,180,051	\$5,464,514	\$5,764,599	\$6,081,162	\$6,415,119	\$6,767,411	\$6,907,943	\$11,968,492	\$12,563,210	\$13,168,889	\$13,807,205
Net Income		\$0	\$1,486,950	\$2,178,690	\$3,203,957	\$4,341,403	\$5,823,953	\$7,611,710	\$9,823,166	\$12,442,305	\$15,588,801	\$17,683,686	\$15,851,695	\$16,576,534	\$17,323,347	\$18,092,464
Debt Service																
Existing																
Cal Energy Loan		\$0	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765	\$86,765
Debt Service-Replacement		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service-Regional																
Issue 1		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 3		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service-Local																
Issue 1		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 2		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 3		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 4		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Issue 5		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Debt Service		\$0	\$86,765	\$86,765	\$358,656	\$795,040	\$1,200,300	\$1,526,902	\$1,650,257	\$5,975,165	\$9,447,678	\$12,322,709	\$12,322,709	\$12,322,709	\$12,322,709	\$12,322,709
Rate Covenant Evaluation																
Net Income		\$1,486,950	\$2,178,690	\$3,203,957	\$4,341,403	\$5,823,953	\$7,611,710	\$9,823,166	\$12,442,305	\$15,588,801	\$17,683,686	\$15,851,695	\$16,576,534	\$17,323,347	\$18,092,464	
Total Debt Service		\$86,765	\$86,765	\$358,656	\$795,040	\$1,200,300	\$1,526,902	\$1,650,257	\$5,975,165	\$9,447,678	\$12,322,709	\$12,322,709	\$12,322,709	\$12,322,709	\$12,322,709	
Calculated Coverage Ratio		17.14	25.11	8.93	5.46	4.85	4.99	5.95	2.08	1.65	1.44	1.29	1.35	1.41	1.47	
Target Covenant Ratio		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
\$ Over/(Under) Covenant		\$1,378,494	\$2,070,234	\$2,755,638	\$3,347,602	\$4,323,578	\$5,703,083	\$7,760,344	\$4,973,349	\$3,779,203	\$2,280,300	\$448,309	\$1,173,148	\$1,919,961	\$2,689,078	

Notes:
1. Gross income includes revenue from rates and miscellaneous charges.
2. O&M expenditures exclude capital expenditures.