

Tuolumne County
Administration Center
2 South Green Street
Sonora, California 95370



JP
Alicia L. Jamar, *Chief Deputy*
Clerk of the Board of Supervisors

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**BOARD OF SUPERVISORS
COUNTY OF TUOLUMNE**

Elizabeth Bass, *First District*
John L. Gray, *Fourth District*

Randy Hanvelt, *Second District*

Evan Royce, *Third District*
Richard H. Pland, *Fifth District*

October 16, 2012

Mr. Jeffrey Parks
State Water Resources Control Board
PO Box 2000
Sacramento, CA 95812

RE: Modification to Water Quality Certification Conditions:
Pinecrest Reservoir Lake Level Elevation Conditions for the Spring
Gap-Stanislaus Hydroelectric Project

Dear Mr. Parks:

The Tuolumne County Board of Supervisors would like to thank you for facilitating a workshop to discuss PG&E's and the Tuolumne Utilities District (TUD) request to amend the 2009 certification to modify the target Labor Day lake level in Pinecrest Lake Reservoir to 5,606 in wet years, 5604 normal-wet years and 5,600 in normal-dry and dry years. We appreciate your time and the opportunity to comment on one of the most valued and shared resources in Tuolumne County.

The Board of Supervisors would like to take this opportunity to reiterate the importance of the decision before you. 95% of TUD's water supply is derived from its contract with PG&E for water delivered from Pinecrest Lake and Lyons Reservoir. TUD has no alternate source of water supply for the community. This current system of water supply has been relied upon for over 100 years to sustain the people and businesses of Tuolumne County. Therefore, it is accurate to point out that the Water Board's decision on this matter will literally control the future of water supply and therefore the health, safety and economic vitality of our community for years to come.

With the above in mind, the Board of Supervisors would encourage the Water Board to consider the following major points:

- The water from this system is relied upon for consumptive needs of our residents, to support our businesses and industries, fire protection, recreation and habitat.
- Local land use planning and economic development of our community requires predictability and reliability of its water supply.
- A system that allows for flexible and yet predictable management of lake levels at Pinecrest and Lyons is essential to balance all of the respective interests related to this water system (see Attachment A - prior Board of Supervisor correspondence on this matter).
- A system that requires annual variance requests, review and Water Board determination of lake levels is inefficient and inconsistent with good planning. This argues for establishment of a flexible system of lake level management with pre-determined thresholds or triggers that can be exercised at the local level.
- The request made by TUD and PG&E submitted in June 2012, contained a vast amount of detail and information specific to our County and its water history and consumption. Much of this was echoed in the Board of Supervisors comments. The Board of Supervisors would like to know how this information was specifically considered and incorporated into the Water Board's response to TUD's request.
- The Board of Supervisors takes strong exception to the population estimates used by the Water Board in its analysis. Slide 18 of your presentation (see Attachment B) indicates a decrease in overall population in Tuolumne County. This is contradictory to population estimates the County has seen and relied upon for its land use planning. One of the most commonly cited and relied upon estimates are those provide by the State Department of Finance. Attachment C is the May 2012 Department of Finance population projections for California and its counties. This most recent publication shows Tuolumne County gradually growing, not decreasing in population.

- The Water Board is also reminded that population growth is not the sole predicator of water customer growth for TUD. Since its creation, TUD has assumed operation of several of the County's small water districts. There are a variety reasons for these actions but one has been to save districts that were based on well systems no longer able to provide the necessary water supply for their customers.
- Increased customers for whatever the reason will lead to more water consumption in the future.
- The assertion by some that the water needs of the County can be substantially resolved by taking action to eliminate water loss through the 57 mile ditch conveyance system ignores the varied use of that system. The system is relied upon to deliver water for consumption by residents, supply to businesses and industry (e.g. agriculture), fire protection, recreational enjoyment and to sustain habitat. It should also be noted the ditch system is primarily a conveyance versus storage system which is the key issue at hand.

The Tuolumne County Board of Supervisors implores the State Water Resources Control Board to take into consideration all of the concerns listed above when making your decision. We would further encourage your Board to take the time to understand needs of Tuolumne County as a whole and TUD as the primary public water agency in the County before making a final decision. The most significant opposition to allowing TUD and PG&E the flexibility of lowering the lake level has been based on concerns of persons based in and around Pinecrest Lake itself. The Board is indeed concerned about impacts on these individuals and businesses but must consider the bigger picture of how Pinecrest Lake and Lyons Reservoir are managed to serve the health, safety and economic vitality of the County as a whole. We trust that the Water Board will consider the important role of locally elected officials such as the Board of Supervisors and TUD Board of Directors to weigh the sometimes competing and yet best interests of all those we represent.

Mr. Jeffrey Parks
State Water Resources Control Board
October 16, 2012
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Our Board understands the delicate balance between consumptive, recreation, industry and habitat needs. We also understand that Pinecrest is a shared resource, one that must be managed and cared for appropriately for future generations. We look forward to working with you in the future towards creating a healthy, long term solution to water needs within Tuolumne County.

Sincerely,

Richard H. Pland, Chairman

cc: Pete Kampa, Tuolumne Utilities District
Dylan George, PG&E
Kristin Olsen, Assemblymember
Tom Berryhill, Senator

Mr. Jeffrey Parks
State Water Resources Control Board
October 16, 2012
Page 4

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Sincerely,



Richard H. Pland, Chairman

cc: Pete Kampa, Tuolumne Utilities District
Dylan George, Pacific Gas & Electric
Kristin Olsen, Assemblymember
Tom Berryhill, Senator

I hereby certify that according to the provisions of Government Code Section 25103, delivery of this document has been made.

ALICIA L. JAMAR
Clerk of the Board

By: 

1875

Attachment A

County of Tuolumne
Pinecrest Lake Level
Correspondence to Water Board

Tuolumne County
Administration Center
2 South Green Street
Sonora, California 95370

Phone (209) 533-5521
Fax (209) 533-8549



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Clerk of the Board
of Supervisors

Elizabeth Logan
Assistant Clerk

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Teri A. Murrison, *Third District*
Richard H. Pland, *Fifth District*

April 28, 2009

Charles R. Hoppin, Chairman
State Water Resources Control Board
P.O. Box 100
Sacramento, CA. 95812-0100

Re: Support of TUD's Request for a Stay of the SWRCB's PG&E Spring Gap Hydroelectric Project's 401 Certification and Call for an Immediate Hearing on the Certification

Dear Mr. Hoppin:

On September 16, 2008, the State Water Resources Control Board (SWRCB) filed its final Water Quality 401 Certification for the PG&E Spring Gap-Stanislaus Hydroelectric Project - No. 2130. It is the Tuolumne County Board of Supervisors understanding that over the past six months, Tuolumne Utility District (TUD) and Pacific, Gas & Electric (PG&E) representatives have been in discussion with SWRCB staff in an attempt to try and reach agreement on modified language to that certification prior to it being incorporated into the "Order Issuing New License" by the Federal Energy Regulatory Commission (FERC). On April 24, 2009, FERC did issue their Order on this Project which incorporated SWRCB's original certification language which did not address the key issues raised by TUD and PG&E.

Based on information provided by TUD representatives, the Board of Supervisors is very concerned that the language in the SWRCB's final certification could be interpreted so as to allow for establishing an inflexible, set minimum lake level for Pinecrest Lake (a.k.a. Strawberry Reservoir). Please refer to Condition #4 of the 401 Certification which mentions a minimum 5,610 foot level for the lake. If a restrictive application of the lake level were enforced, the Board of Supervisors agrees with TUD that this could have a very harmful impact on the water supply for current and future residents and businesses within Tuolumne County.

Charles R. Hoppin, Chairman

April 28, 2009

Page 2

As for immediate impacts, barring significant late season precipitation, TUD projects that it will be unable to draw water from Pinecrest during mid summer causing a lack of supply to the majority of its 44,000 customers by late August 2009. This would in turn require TUD to implement its water conservation regulations that provide for: 1) reduction of water delivery to agricultural users; 2) reduction of deliveries for "non-essential irrigation" (e.g. golf courses); and 3) mandatory restrictions on all other uses. According to TUD, based on their modeling, these same restrictions would need to be applied in 8 out of every 10 years. Further, the long-term result of the current 401 conditions could be untenable limitations on TUD's ability to meet water needs for future growth in the County.

The Tuolumne County Board of Supervisors requests effort be made to immediately resolve these concerns and make sure that water needs of existing and future residents and businesses be clearly protected. The Board feels this can be done balanced with other needs (e.g. recreation, fisheries, etc.) by following the language and intent of Condition #34 contained in the USDA Forest Service Final 4(e) Terms and Conditions and 10(a) Recommendations related to the Spring Gap-Stanislaus Hydroelectric Project filed on November 30, 2005 and modified on November 30, 2006, April 10, 2007 and October 3, 2007. The language contained in that condition calls for a flexible process for establishing appropriate lake levels based on annual drawdown curves. This is the same process the Board of Supervisors endorsed and requested be embraced in its September 4, 2007 letter to the SWRCB (see attached). This is the process that had been developed through a multi-year collaborative effort of the Stanislaus Planning Action Team (SPLAT).

The Tuolumne County Board of Supervisors strongly requests that the SWRCB: 1) stay the effect of the existing PG&E Spring Gap Hydroelectric Project's 401 Water Quality Certification; 2) set an immediate hearing of this matter; and 3) modify the 401 Certification language in a manner consistent with that suggested above. In addition, the Tuolumne County Board of Supervisors hereby requests that SWRCB coordinate with the County as required by law on the 401 Water Quality Certification.

Charles R. Hoppin, Chairman
April 28, 2009
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This is a matter of great urgency and importance to all residents of Tuolumne County. As such, the Tuolumne County Board of Supervisors would like to be notified of any meetings related to this matter and given the opportunity to have representatives present to participate in those discussions.

Sincerely,



Teri A. Murrison, Chair

Cc: U.S. Senator Dianne Feinstein
U.S. Senator Barbara Boxer
Congressman George Radanovich
State Senator Dave Cogdill
State Assemblyman Tom Berryhill
Kimberly Bose, FERC
Pete Kampa, TUD General Manager
Steve Peirano, PG&E
Greg Applegate, City Manager
Larry Cope, ED Director

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Richard H. Pland, *Fifth District*

September 4, 2007

Mr. Russ Kanz
Staff Environmental Scientist
State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

**RE: Water Quality Certification (WQC) for the Spring Gap-Stanislaus Project,
FERC #2130**

Dear Mr. Kanz:

It has come to the attention of the Tuolumne County Board of Supervisors that State Water Resources Control Board (SWRCB) is considering a draft Water Quality Certification that does not incorporate the beneficial uses that were identified during the Stanislaus Planning Action Team (SPLAT) and the Federal Energy Regulatory Commission (FERC) Environmental Impact Statement (EIS) processes, and if adopted as written, the Certification will seriously jeopardize the ability of TUD to meet its current and future water demands for over 13,000 commercial, residential, industrial and agricultural customers, which are comprised of a population of over 44,000. The Tuolumne Water System has been the principal source of water supply to Tuolumne County for more than 100 years, and its supply comes solely from the South Fork Stanislaus River. The supply depends entirely upon the annual runoff of the South Fork Stanislaus as supplemented by reservoir storage in PG&E's Lyons and Pinecrest Reservoirs.

The Certification, as written, would destroy a historical mode of operation of reservoir storage that has been in place for more than 100 years, and would have disastrous effects on the water supply to the inhabitants of Tuolumne County

Mr. Russ Kanz
September 4, 2007
Page 2

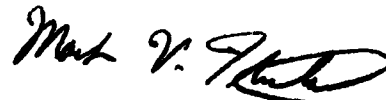
Unless amended to contain the SPLAT measures as approved, the issuance of this Certification as proposed will create a new and significant environmental impact that has not been mitigated, the severe impairment of a domestic water supply for 44,000 persons served by Tuolumne Utilities District.

The Tuolumne County Board of Supervisors respectfully requests that the State Water Resources Control Board reconsider and adopt the recommendations as provided by SPLAT. In addition, the Board of Supervisors is in concurrence with the points made in the August 31, 2007 letter to you by TUD's attorney Mr. Jesse W. Barton.

As the County of Origin the Tuolumne County Board of Supervisors opposes any decisions made by the SWRCB that would impede or have a detrimental effect on the ability of the Tuolumne Utilities District to provide water to the citizens of the County of Tuolumne.

If you have any questions, please contact Steve Boyack, Natural Resources Analyst at (209) 533-5511.

Sincerely,



Mark V. Thornton, Chairman
Tuolumne County Board of Supervisors

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2 South Green Street
Sonora, California 95370



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June 5, 2012

Richard J. Doble, Sr. License
Coordinator
Hydro Licensing
Mail Code N11C
PO Box 770000
San Francisco, CA 94177

Barbara Evoy, Deputy Director
Division of Water Rights State Water
Resources Control Board
PO Box 100
Sacramento, CA 95812-0100

Re: Request for variance from State Water Resources Control Board
Pinecrest Lake elevation on Labor Day 2012; Spring Gap-Stanislaus
Hydroelectric Project, FERC Project No. 2130.

Dear Mr. Doble and Ms. Evoy:

The Tuolumne County Board of Supervisors shares in the concerns presented by the Tuolumne Utilities District (TUD) in regards to the ability to withdraw water from the Pinecrest Lake Reservoir (see attached letter). TUD provides potable water to residential, commercial, industrial and agricultural customers within the County, a population of approximately 55,000. They do not transfer or import water out of the County or its service area; 95 percent of TUD's water supply is derived from a contract with Pacific Gas and Electric (PG&E) for water delivered from Pinecrest Lake and Lyons Reservoir. There is no other alternative source of water for the community, other than these two reservoirs.

Lyons Reservoir does not provide enough water to sustain the TUD consumptive, recreational and environmental needs in years with low runoff and an early end of spill without early supplemental releases from Pinecrest Lake. TUD is estimating that the end of spill will be similar to 2007, except that this current year is predicted to be drier than 2007. End of spill occurred on June 3, the earliest end of spill on record. TUD implemented a Stage 2 water conservation notice on March 1st, but even with current water conservation in place, TUD will require supplemental water delivery from Pinecrest prior to Labor Day in order to meet basic health and human service needs, including fire protection, within the County.

Mr. Richard J. Doble
Ms. Barbara Evoy
June 5, 2012
Page 2

Due to the severity of the situation and the impact to residents of Tuolumne County our Board supports the request from TUD to the State Water Resources Control Board for variance on lake elevation. Furthermore, it is imperative that action be taken immediately to reduce the potential impact on our residents, as we share in the concern that our County may be in jeopardy of running out of water.

Sincerely,



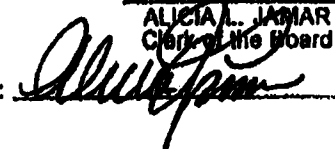
Richard H. Pland, Chairman

cc: Pete Kampa, Tuolumne Utilities District
Kristin Olsen, State Assemblymember
Tom Berryhill, State Senator

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ALICIA L. JAMAR
Clerk of the Board

By:





TUOLUMNE UTILITIES DISTRICT

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Barbara Balen
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Ron Ringer
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May 11, 2012

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P.O. Box 770000
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TUD Board of Directors
18885 Nugget Blvd.
Sonora, CA 95370

Barbara Evoy, Deputy Director
Division of Water Rights
State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100
cc: Les Grober, Assistant Deputy Director
Erin Ragazzi, WQ Cert. Env. Program Manager I
Jeff Parks, WQ Cert. WRCE

Subject: Request for variance from State Water Resources Control Board Pinecrest Lake elevation on Labor Day 2012; Spring Gap-Stanislaus Hydroelectric Project, FERC Project No. 2130.

Dear Addressees:

Purpose

The purpose of this letter is to request an immediate variance from the above-referenced Water Quality Certification. Without the requested variance, the primary drinking water supply of Tuolumne County, and the health and safety of over 55,000 people will be at risk.

Background

The Tuolumne Utilities District (TUD) provides water supply to a majority of the County of Tuolumne, a population of over 55,365. TUD serves potable water within the County to residential, commercial, industrial and agricultural customers. TUD does not transfer or import water out of the County or its service area. Ninety five percent of TUD's water supply is derived from a contract with Pacific Gas and Electric (PG&E) for water delivered from Pinecrest Lake and Lyons Reservoir. TUD has no alternate source of water supply for the community, other than water delivered from these two Reservoirs.

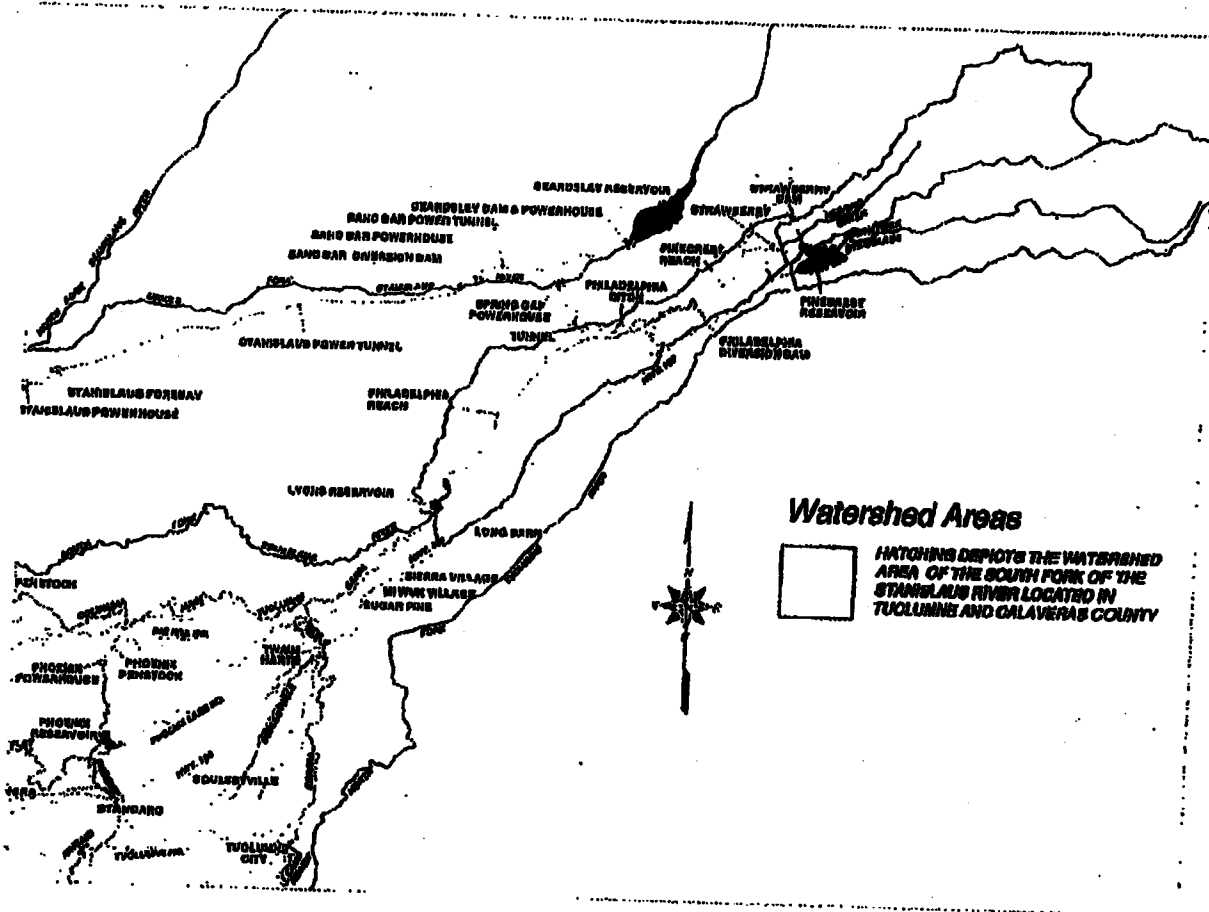
Under the current conditions of the State of California Water Quality Certification for the Spring-Gap-Stanislaus Hydroelectric Project, Federal Energy Regulatory Commission, (FERC), Project No. 2130, Condition No. 4, it states that "...in years that Pinecrest cannot be maintained above target elevation 5,608 feet, water releases during the period from the end of spill through Labor Day shall only be made to meet the minimum stream flow schedule and the Spring Gap Powerhouse demand." Condition #5 outlines that until the state water board issues a decision modifying the target elevation, the licensee may propose modification to condition #4.

Request

TUD is requesting a variance from Condition #4 to allow the withdrawal of water from Pinecrest Lake for domestic purposes between the period from the end of spill and Labor Day. Although this year is not a Critically Dry year, the end of spill timing may be one of the earliest on record and will result in conditions equal to or worse than those experienced in a Critically Dry Year. Even though TUD and its customers are conserving water, without water delivery from Pinecrest Lake, conservation will not be enough to compensate for the unusual early end of spill.

Description of Reservoir Operations

PG&E uses water stored in Pinecrest Lake and Lyons Reservoir for power generation purposes at the Spring Gap and Phoenix Powerhouses. Flow for the Spring Gap Power House is diverted at the Philadelphia Canal from the South Fork Stanislaus River located on the Philadelphia Reach below Pinecrest Reservoir. Water for the Phoenix Powerhouse is delivered via the Tuolumne Main Canal from Lyons Reservoir. TUD receives domestic water through a contract with PG&E delivered via the Tuolumne Main Canal from Lyons Reservoir. During the summer months, hydro-electric power generation water is set to a minimum flow. First TUD receives water from storage at Lyons Reservoir and then later in the summer receives water supplemented from Pinecrest Lake. In normal years, the volume of water in storage in Lyons Reservoir is enough to support domestic supply spanning the time frame between July 1st and Labor Day. An end of spill date earlier than July 1st results in significant water shortages to TUD and the need to receive supplemental water supply from Pinecrest before Labor Day.



Very Dry Conditions

TUD is particularly vulnerable in drought or early snow melt off conditions. The amount of water that can be held in storage in Lyons Reservoir is not enough to sustain the TUD consumptive, recreational and environmental needs in years with low runoff and an early end of spill without early supplemental releases from Pinecrest Lake. The end of spill date at these Reservoirs is predicted to be unusually early similar to what occurred in 2007. The end of spill in 2007 was June 8th and that water year required deliveries of supplemental water from Pinecrest Lake starting in early August. The current water year is predicted to be dryer than in 2007, and TUD will require delivery of domestic supply water from Pinecrest Lake prior to Labor Day even with significant water conservation in place by TUD and all of its customers. This is true even though the current water demand by TUD and its customers is less than it was in 2007 due ongoing conservation and system improvements.

The current snow water content readings from automated gaging stations located near the Pinecrest watershed are some of the driest on record. The May 9, San Joaquin Valley Water Type Index is 2.2. An index of 2.1 or less is considered Critically Dry. Long range weather forecasts do not appear favorable for the remainder of the year and based on these dry conditions, TUD is certain that supplemental water delivery from Pinecrest will be necessary prior to Labor Day. If supplemental water is not available from Pinecrest Lake due to the Certification's minimum lake level restriction, TUD will not be able to meet basic health and human service needs, including fire protection, within the County.

Modified Pinecrest Lake Level

TUD is requesting a variance to condition #4 to allow Pinecrest Lake to be drawn down to 5606.0 feet in elevation at Labor Day this season.

The reason this is necessary is that Lyons Reservoir capacity is too small to support domestic supply for more than 72 days, the time frame between end of spill and Labor Day even with customer conservation. It is predicted that the end of spill this year may be as early as June 1 representing about 92 days between the end of spill and Labor Day this year. The timing of the end of spill further impacts Lyons Reservoir due to the ramp up restrictions listed.

Storage Volume at Lyons

The storage volume at Lyons Reservoir can support domestic supply for about 65 days of normal water usage. With significant water conservation measures implemented, this storage volume at Lyons Reservoir can support domestic supply for about 72 days. An end of spill to Labor Day time frame greater than 72 days results in a water shortage to Tuolumne County unless water is allowed to be drawn from Pinecrest Lake prior to Labor Day.

End of Spill Compared to 2007

The current snow pack and climate conditions are dryer than in 2007. The end of spill in 2007 was approximately June 8th, therefore it is expected that the end of spill will be as early as June 1 this year. This will be the earliest end of spill date since 1974. Without support from Pinecrest Lake prior to Labor Day, Tuolumne County would be out of water for about 20 days.

Ramp up Restrictions

Further impacting this condition is the 'ramp up' restrictions which prohibit changes in river flow rate greater than ten CFS per week for withdrawals out of Pinecrest Lake. This restriction impacts Lyons reservoir

as it takes three weeks ramp up time to catch up to the withdrawals out of Lyons during the September time-frame. Therefore, the 'ramp up' must start prior to Labor Day and prior to Lyons falling below a minimum of 1,700 acre-feet of storage.

Pinecrest Lake Level

If Pinecrest Lake is allowed to be lowered to approximately 5606.0 feet, it is estimated Lyons Reservoir could be held to just reach a minimum of 1,200 acre-feet. These forecast figures are based on PG&E curtailing water flow to the Philadelphia Canal for this season, TUD implementing significant water conservation and accounting for current climate and forecast information. Due to the nature of forecasting uncertainties, especially evaluating four months in the future, TUD wishes to express that this planning is respecting the Pinecrest Lake Level as much as possible and leaves little room for error in water supply to Tuolumne County.

Water Planning

In an effort to prevent this water emergency from happening, and at the first signs of a dry year in January, TUD has been working closely with PG&E to reduce flows in the main canal and curtail flows for hydro-electric power generation. The TUD Board also enacted Phase II water conservation on March 1st and TUD and its customers have been effective in reducing water demands significantly and will continue this level of conservation until the fall. However, regardless of all water conservation measures in place, TUD cannot maintain water supply to its customers without supplemental water delivered from Pinecrest before Labor Day.

On December 16, 2011, and pursuant to the provisions contained within the Certification, PG&E requested a modification of the State Water Resources Control Board's minimum lake level restriction. The request outlined what we are currently experiencing, which is an early end of spill in a water year would result in the need for water delivery to TUD prior to Labor Day. If the modified lake level had been approved as detailed in PG&E's request, this emergency request would not be necessary and our community would not be faced with the potential for severe health and safety hardship.

Time is of the Essence

Because of the severe impact to our customers; TUD is requesting a response to this letter by May 25, 2012. We would provide more time if we could, but if our request is denied, we will need time to appeal the decision directly to the State Water Resources Control Board.

In Closing

Snow pack and related water planning is unusual this year and validates the rationale used by TUD and PG&E in submittal of the modified lake level request. The need for domestic water for our communities is paramount to the residents, visitors and businesses in Tuolumne County. We request that you grant our request for a lower level in Pinecrest on Labor Day 2012 to 5606. If you or your staff have any questions, need additional information or would like to discuss this matter further please contact me at (209) 532-5536 ext. 480 (office), (209) 770-1545 (mobile) or pkampa@tudwater.com.

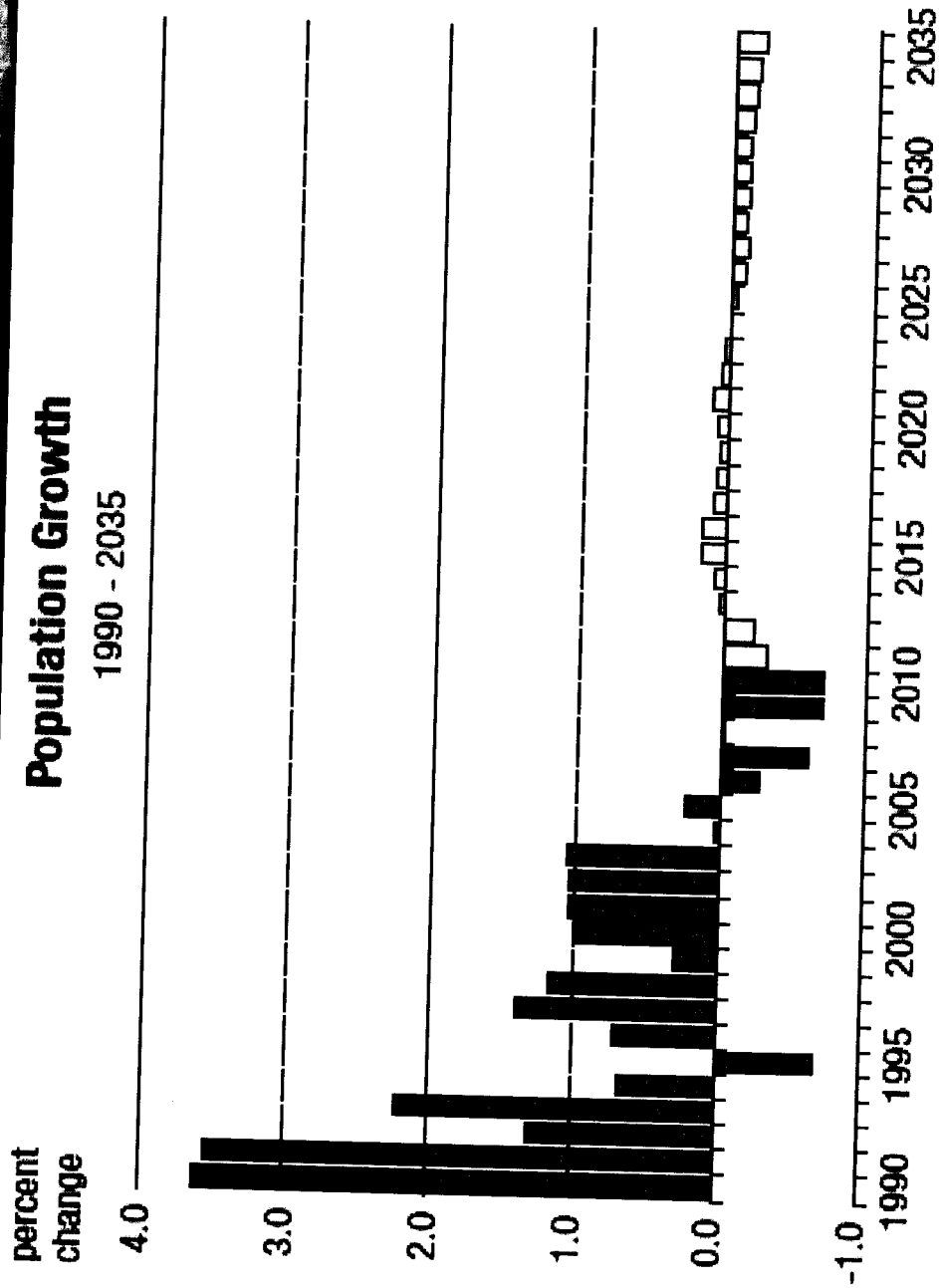
Sincerely,


Peter J. Kampa
General Manager

Attachment B

Slide #18 Population Projection

Population Growth 1990 - 2035



From the CA Department of Transportation
Analysis Report on the California High-Speed Rail

Attachment C

Department of Finance
May 2012 Population Projection
California and Counties

Interim Projections for California and Counties: July 1, 2015 to 2050 in 5-year Increments

	Estimate		Projections							
	2000	2010	2015	2020	2025	2030	2035	2040	2045	2050
California	34,000,835	37,312,510	38,926,281	40,817,839	42,721,958	44,574,756	46,330,221	47,983,659	49,513,839	51,013,984
Alameda County	1,448,768	1,513,251	1,547,734	1,584,797	1,619,555	1,650,596	1,678,473	1,705,642	1,722,773	1,734,695
Alpine County	1,203	1,147	1,170	1,171	1,171	1,173	1,173	1,168	1,159	1,151
Amador County	35,205	37,901	38,981	39,962	41,270	42,214	43,039	43,548	44,066	44,698
Butte County	203,446	219,989	231,043	244,417	260,742	276,009	290,186	303,594	318,129	334,579
Calaveras County	40,658	45,251	47,386	49,007	51,236	53,161	55,541	58,118	60,902	63,926
Colusa County	18,880	21,449	22,765	24,521	26,329	28,112	29,869	31,573	33,285	35,043
Contra Costa County	953,675	1,052,024	1,102,534	1,161,014	1,209,433	1,263,049	1,323,005	1,381,576	1,438,880	1,496,207
Del Norte County	27,447	28,572	29,297	29,967	30,715	31,252	31,691	32,163	32,617	33,191
El Dorado County	158,288	181,154	193,426	205,622	218,379	230,503	242,330	254,507	266,435	278,950
Fresno County	802,224	932,926	1,004,774	1,083,889	1,162,699	1,232,151	1,304,432	1,378,232	1,456,085	1,535,761
Glenn County	26,555	28,183	29,320	30,611	31,992	33,318	34,676	36,095	37,673	39,475
Humboldt County	126,665	134,553	137,276	140,019	142,141	143,811	145,149	145,509	145,803	146,120
Imperial County	143,151	175,566	187,663	200,521	213,526	228,164	242,759	256,872	270,860	285,308
Inyo County	18,116	18,624	18,921	19,388	20,049	20,657	21,360	22,091	22,827	23,618
Kern County	664,373	841,609	933,360	1,041,469	1,162,104	1,276,155	1,399,719	1,529,987	1,669,755	1,823,277
Kings County	129,764	152,996	166,171	179,722	194,197	209,440	225,836	243,304	262,246	281,866
Lake County	58,479	64,456	67,568	70,891	74,578	77,955	81,666	85,730	89,953	94,499
Lassen County	33,871	34,724	35,503	36,317	37,380	38,434	39,069	39,548	39,961	40,369
Los Angeles County	9,543,983	9,825,496	10,138,955	10,500,679	10,848,264	11,138,280	11,307,903	11,451,688	11,532,478	11,567,914
Madera County	124,265	151,136	165,423	183,176	200,697	219,908	241,485	265,151	289,487	314,546
Marin County	247,424	252,727	253,757	255,502	257,117	259,060	261,982	264,910	267,590	270,275
Mariposa County	17,056	18,116	19,367	20,359	21,205	21,741	22,105	22,320	22,467	22,652
Mendocino County	86,506	87,925	89,614	91,718	93,885	95,355	96,696	97,913	99,504	101,684
Merced County	211,109	256,345	276,402	301,449	329,592	359,798	392,765	427,808	465,458	506,666
Modoc County	9,510	9,674	9,814	9,954	10,141	10,282	10,408	10,538	10,745	10,976
Mono County	12,855	14,112	14,592	15,010	15,546	16,153	16,848	17,584	18,418	19,336
Monterey County	402,854	415,758	425,900	436,275	447,774	459,359	471,598	483,868	497,178	511,956
Napa County	124,601	136,659	141,951	146,582	152,439	158,538	165,088	171,625	178,478	183,352
Nevada County	91,872	98,468	101,455	105,003	108,863	111,836	114,664	117,118	119,940	123,784
Orange County	2,853,893	3,016,606	3,114,304	3,220,788	3,305,907	3,385,762	3,458,496	3,509,352	3,543,576	3,565,648
Placer County	251,731	350,553	370,936	395,783	424,134	454,124	487,173	520,294	554,841	590,476
Plumas County	20,653	19,990	20,039	20,157	20,363	20,390	20,391	20,397	20,538	20,813
Riverside County	1,557,271	2,191,449	2,381,548	2,626,222	2,881,356	3,145,948	3,415,040	3,678,119	3,910,193	4,137,882
Sacramento County	1,230,501	1,420,220	1,484,030	1,557,547	1,643,263	1,731,061	1,821,378	1,908,527	1,997,697	2,091,452
San Benito County	53,635	55,341	56,280	57,138	58,220	59,259	60,263	61,032	61,622	62,117
San Bernardino County	1,719,190	2,038,445	2,146,336	2,283,798	2,433,574	2,588,990	2,746,645	2,885,687	3,025,523	3,159,003
San Diego County	2,828,374	3,104,084	3,238,838	3,391,010	3,531,831	3,665,358	3,785,903	3,891,793	3,988,905	4,081,292
San Francisco County	778,942	807,048	813,090	820,135	826,850	834,693	842,065	845,750	844,247	840,712
San Joaquin County	567,753	686,651	739,224	795,631	862,496	935,709	1,015,876	1,100,119	1,190,107	1,288,854
San Luis Obispo County	247,724	269,710	279,352	290,132	300,685	311,388	320,867	328,786	336,589	344,805
San Mateo County	708,384	719,467	735,025	751,480	765,495	776,862	786,730	791,781	793,885	794,162
Santa Barbara County	399,874	424,223	436,501	448,986	459,976	469,070	477,826	485,777	493,523	501,283
Santa Clara County	1,687,415	1,787,267	1,846,126	1,917,070	1,980,661	2,048,021	2,110,906	2,164,936	2,195,432	2,220,174
Santa Cruz County	255,869	263,132	266,526	270,776	274,864	278,008	279,711	281,053	281,844	283,108
Shasta County	164,150	177,452	185,686	196,087	204,369	210,997	217,203	222,459	227,774	233,524
Sierra County	3,618	3,230	3,172	3,150	3,139	3,129	3,140	3,147	3,166	3,237
Siskiyou County	44,382	44,944	45,967	47,483	48,928	49,989	50,883	51,695	52,459	53,506
Sofano County	395,991	413,154	428,106	446,513	468,039	490,381	512,695	533,041	552,869	574,705
Sonoma County	460,477	484,181	496,803	510,370	526,280	542,284	559,160	574,347	591,469	612,312
Stanislaus County	449,767	515,229	545,498	582,746	623,634	666,446	712,233	759,386	809,224	863,254
Sutter County	79,202	94,785	99,424	108,054	119,011	131,390	145,637	161,504	179,337	199,590
Tehama County	55,832	63,625	65,749	68,769	72,335	75,522	78,823	82,290	86,294	90,918
Trinity County	12,958	13,881	13,925	14,365	14,914	15,309	15,703	16,048	16,414	16,846
Tulare County	368,805	443,567	485,078	536,429	584,622	636,606	693,500	753,373	816,939	884,646
Tuolumne County	54,587	54,952	55,670	56,469	57,368	57,813	58,132	58,428	59,004	60,094
Ventura County	756,902	825,246	852,673	885,196	920,921	956,324	992,877	1,025,693	1,057,853	1,085,882
Yolo County	169,818	200,963	211,396	223,181	235,600	250,420	264,852	276,276	285,627	296,183
Yuba County	60,334	72,324	76,858	83,363	90,103	97,037	104,599	112,790	121,737	131,531

Projections Prepared by Demographic Research Unit, California Department of Finance, May 2012