

**KINNELOA IRRIGATION DISTRICT  
SPECIAL MEETING – BOARD OF DIRECTORS  
1999 KINCLAIR DRIVE, PASADENA, CA 91107  
FRIDAY AUGUST 14, 2009  
8:30 A.M.**

**AGENDA**

- 1. CALL TO ORDER**
  - A. Declaration of a Quorum
  - B. Review of Agenda
  
- 2. PUBLIC COMMENT** – Comments from the public regarding items on the Agenda
  
- 3. DISCUSSION OF PROPOSED YEAR 2010 BUDGET**
  
- 4. ADJOURNMENT**

Each item on the Agenda, no matter how described, shall be deemed to include any appropriate motion, whether to adopt a minute motion, resolution, payment of any bill, approval of any matter or action, or any other action. Material related to an item on this agenda submitted after distribution of the Agenda Packet is available for public review at the District Office or online at the District's website <http://www.kinneloairrigationdistrict.info>.



# Memo

Date: August 12, 2009  
To: Board of Directors  
From: Mel Matthews  
Subject: KID Water Rates for 2010

---

The proposed budget has minimum recommended water rates for 2010 of a \$45 monthly service charge and a commodity rate of \$2.75 per CCF and was based on analysis of several factors including the following:

- The desire to maintain reserves at least the current level based on proposed expenditures for operations and capital improvements in 2010.
- The desire to encourage efficient use of water to minimize the need to lease additional ground water.
- A consideration of the rates charged by other water agencies in the area in order to validate our rates as reasonable in the minds of our customers.
- The need to maintain a reasonable rate of progress on our capital improvement (CIP) and preventative maintenance (PMP) programs.

It is always difficult to compare rates among water agencies because many of those agencies use various taxes, assessments and additional line items and surcharges on the bill to cover CIP, PMP, power costs, MWD rates, penalties and general operational costs. Plus it is becoming very common to have a tiered rate schedule that "punishes" customers that use a lot of water and subsidizes low-usage customers.

**I prefer the simplicity of the KID rate structure and I am not advocating that the KID follow the above trends at this time.** However, I thought it would be useful for discussion purposes to give you an example of what is happening around us. The City of Pasadena's recently-approved water rates are an excellent example of all the above trends because they use all of them to generate the customer's bill. I have summarized in the following table the charges to a Pasadena customer using 100 CCFs which is an amount that many of our customers use in the summertime:

# Sample City of Pasadena Billing for 100 CCF

## 1 inch Meter

<b>Pasadena Summer Water Rates (April 1 to September 30)</b>			
<b>Rates as of August 1, 2009</b>			
<b>Block</b>	<b>Units</b>	<b>Rate</b>	<b>Charge</b>
Block 1	12.00	\$0.91	\$10.92
Block 2	28.00	\$2.50	\$70.10
Block 3	20.00	\$3.00	\$60.08
Block 4	30.00	\$5.01	\$150.21
Block 5	10.00	\$7.51	\$75.11
<b>Total Water Usage Charge</b>	<b>100.00</b>	<b>Average \$3.66</b>	<b>\$366.42</b>
D & C (with FPS)	Distribution and Customer Charge with Fire Protection Surcharge to cover the increased cost of maintaining, repairing, installing, and upgrading public fire hydrants		\$21.03
CIC	Capital Improvement Charge @ \$62.43 per 100 CCF		\$62.43
<b>MONTHLY TOTAL WATER SERVICES</b>			<b>\$449.88</b>

The table below shows the D&C/FPS increases effective August 1, 2009 and two other D&C increases that will occur in July 2010 and 2011. I have not shown the charges for meter sizes greater than 2" since that is the maximum size provided in our system.

<b>Combined D&amp;C and FPS Increases Across Three Years</b>				
<b>Meter Size</b>	<b>Current Monthly D&amp;C with FPS</b>	<b>Aug. 1, 2009</b>	<b>July 1, 2010</b>	<b>July 1, 2011</b>
5/8" & 3/4"	\$8.17	\$11.07	\$14.05	\$17.50
1"	\$15.52	\$21.03	\$26.70	\$33.25
1 1/2"	\$31.85	\$43.73	\$55.18	\$68.41
2"	\$73.59	\$99.77	\$126.62	\$157.66

Please note the following additional information from my analysis of the above data and the supporting information on the City's web site:

- CIC is based on water usage and is independent of meter size
- Combined D&C and FPS is a fixed charge based on meter size and is independent of water usage
- Water usage unit charges vary depending on meter size and a very progressive tiered rate schedule in which the rate at the highest tier is 8.25 times greater than the rate at the lowest tier. Furthermore the City adjusts the amounts allocated in each tier based on the meter size, the time of year and other factors.

## Summary

The proposed minimum 2010 rates would result in a monthly bill of \$320 for a customer that uses 100 CCF as compared to nearly \$450 to the above City of Pasadena customer in the summer. However a usage of 50 CCF per month which is closer to the average use of our customers results in a KID bill of \$182.50 vs. the City's bill of \$163.30. Strangely enough if that same City customer has a 3/4" meter, the bill would rise to \$209.78 due to different tier allocations and D&C/FPS charges. In fact the Pasadena rate structure is so complicated that the city provides a water bill estimator on its web site to handle the various combinations of meter size and usage. You can find it at:

<http://www.ci.pasadena.ca.us/waterandpower/temp/waterbillestimator.asp>

The proposed minimum rates in the proposed 2010 budget represent a 10% increase in the monthly service charge and an 8% increase in the commodity rate. This is a modest increase considering that we will probably be purchasing additional water in 2010 and beyond unless we are fortunate enough to have many years with above-average rainfall.

It also appears that we would be able to justify a higher increase to fund our master plan capital improvement projects on an accelerated schedule as well as to provide a larger reserve for the inevitable replacement and/or complete refurbishment of our wells. We also may need to purchase additional water rights if and when they become available.

# Kinneloa Irrigation District 2010 Budget Worksheet

Account	Account Description	2009 Budget	2009 FYE Forecast as of 7/31/2009	Proposed 2010 Budget	Variance of 2010 Budget to 2009 FYE Forecast
4000	Water Sales	1,075,795	1,081,366	1,105,000	23,634
4015	Wholesale Water Sales	0	19,815	0	-19,815
4020	Invoice Sales	10,000	1,402	10,000	8,598
4035	Interest-General Fund Reserves	25,000	16,755	14,000	-2,755
4050	Capacity Charge	12,000	6,000	12,000	6,000
	<b>Total Income</b>	<b>1,122,795</b>	<b>1,125,338</b>	<b>1,141,000</b>	<b>15,662</b>
5000	Purchase Water	0	10,000	20,000	10,000
5005	Power	90,000	87,132	90,000	2,868
5010	Maintenance Supplies	20,000	24,383	24,000	-383
5012	Safety Equipment	2,000	4,845	2,000	-2,845
5015	Maintenance Labor	168,600	153,426	160,500	7,074
5020	Stand-by	7,500	7,385	7,500	115
5022	Training/Certification	2,400	295	2,400	2,105
5025	Water Treatment/Analysis	22,000	18,146	22,000	3,854
5030	Maintenance Contractors	50,000	77,514	126,000	48,486
5034	Equipment Maintenance	3,000	6,938	6,000	-938
5035	Vehicle Maintenance	7,000	3,154	3,600	446
5036	Fuel - All Equipment	10,000	11,222	12,000	778
5040	Equipment Rental	500	500	500	0
5045	Insurance-Workers Compensation	15,000	6,035	12,000	5,965
5046	Insurance-Liability	15,000	22,254	15,000	-7,254
5048	Insurance-Property	2,500	2,206	2,500	294
5049	Insurance-Medical	40,000	26,337	40,000	13,663
6000	Engineering Services	15,000	31,147	24,000	-7,147
6005	Watermaster	8,000	8,205	12,000	3,795
6015	Administrative Salary	122,000	119,835	125,500	5,665
6017	Administrative Travel	5,000	3,667	5,000	1,333
6020	BofD Compensation	7,000	6,300	7,000	700
6021	Administrative & Board Expense	2,500	2,526	2,500	-26
6022	Board of Directors Election	0	0	0	0
6024	Customer/Public Info. Prog.	4,000	3,266	4,000	734
6025	PERS - KID	14,200	12,158	14,600	2,442
6030	Social Security - KID	27,000	25,212	27,400	2,188
6035	Office Supplies	9,000	7,280	9,000	1,720
6036	Postage/Delivery	6,000	4,412	6,000	1,588
6040	Professional Dues	7,000	3,855	7,000	3,145
6045	Legal Services	10,000	11,084	10,000	-1,084
6050	Telephone	5,850	5,507	6,000	493
6051	Mobile Telephone	2,500	1,898	2,400	502
6052	Pagers	1,800	1,877	2,000	123
6053	Internet Service	1,000	871	1,000	129
6059	Computer/Software Maintenance	10,000	7,315	10,000	2,685
6061	Office Equipment Maintenance	1,000	417	1,000	583
6065	Accounting	7,000	4,800	7,000	2,200
6070	Office Labor	48,000	45,572	48,000	2,428
6075	Outside Services	20,000	16,670	20,000	3,330
6081	Permits/Fees	2,500	1,448	2,500	1,052
6120	Bank Service Charges	3,000	3,436	3,000	-436
	<b>Total Expenses</b>	<b>794,850</b>	<b>790,530</b>	<b>902,900</b>	<b>112,370</b>
	<b>NET REVENUES</b>	<b>327,945</b>	<b>334,808</b>	<b>238,100</b>	<b>-96,708</b>
	<b>Other Expenditures</b>				
1200	Inventory	0	-110	0	110
1504	Mains	568,500	400,552	45,000	-355,552
1511	Water Treatment Plant	0	0	5,400	5,400
1512	Meter Replacement	20,000	17,935	21,000	3,065
1513	Electrical/Electronic Equipment	20,000	14,758	62,200	47,442
1514	Computer/Office Equipment	5,000	2,083	5,000	2,917
1515	Trucks and Equipment	20,000	19,594	50,000	30,406
1516	Water Company Facilities	30,000	2,255	30,000	27,745
1527	SCADA	15,000	9,990	15,000	5,010
1528	Tanks and Reservoirs	75,000	11,453	0	-11,453
	<b>Total Other Expenditures</b>	<b>753,500</b>	<b>478,510</b>	<b>233,600</b>	<b>-244,910</b>
	<b>NET CASH FLOW</b>	<b>-425,555</b>	<b>-143,702</b>	<b>4,500</b>	<b>148,202</b>

# Kinneloa Irrigation District 2010 Budget

**Monthly Service Charge \$45.00**

**Commodity Charge \$2.75 per CCF**

Account	Account Description	2010 Budget
4000	Water Sales	1,105,000
4020	Invoice Sales	10,000
4035	Interest-LAIF	14,000
4050	Capacity Charge	12,000
<b>Total Income</b>		<b>1,141,000</b>
5000	Purchase Water	20,000
5005	Power	90,000
5010	Maintenance Supplies	24,000
5012	Safety Equipment	2,000
5015	Maintenance Labor	160,500
5020	Stand-by	7,500
5022	Training/Certification	2,400
5025	Water Treatment/Analysis	22,000
5030	Maintenance Contractors	126,000
5034	Equipment Maintenance	6,000
5035	Vehicle Maintenance	3,600
5036	Fuel - All Equipment	12,000
5040	Equipment Rental	500
5045	Insurance-Workers Comp.	12,000
5046	Insurance-Liability	15,000
5048	Insurance-Property	2,500
5049	Insurance-Medical	40,000
6000	Engineering Services	24,000
6005	Watermaster	12,000
6015	Administrative Salary	125,500
6017	Administrative Travel	5,000
6020	Board of Directors Compensation	7,000
6021	Administrative & Board Expenses	2,500
6024	Customer/Public Information Prog.	4,000
6025	PERS - KID	14,600
6030	Social Security - KID	27,400
6035	Office Supplies	9,000
6036	Postage/Delivery	6,000
6040	Professional Dues	7,000
6045	Legal	10,000
6050	Telephone	6,000
6051	Cellular Telephone	2,400
6052	Pagers	2,000
6053	Internet Service	1,000
6059	Computer/Software Maintenance	10,000
6061	Office Equipment Maintenance	1,000
6065	Accounting	7,000
6070	Office Labor	48,000
6075	Outside Services	20,000
6081	Permits/Fees	2,500
6120	Bank Service Charges	3,000
<b>Total Expenses</b>		<b>902,900</b>
<b>NET REVENUES</b>		<b>238,100</b>

<i>Water Sales, Units</i>	284,000
<i>Rate Per Unit</i>	\$2.75
<i>Annual Commodity Revenue</i>	\$781,000
<i>Monthly Service Charge</i>	\$45.00
<i>Annual DSC Revenue</i>	\$324,000
<i>Total Annual Water Sales</i>	\$1,105,000
<i>Other Annual Revenue</i>	\$36,000
<i>Total Annual Revenue</i>	\$1,141,000
<i>Total Expenses</i>	\$902,900
<i>Net Revenues</i>	\$238,100
<i>Capital Improvement Projects</i>	\$233,600
<i>Annual Net Cash Flow</i>	\$4,500
<i>Average Monthly Charge for Low Usage Customer</i>	\$73
<i>Average Monthly Charge for Medium Usage Customer</i>	\$183
<i>Average Monthly Charge for High Usage Customer</i>	\$733
<i>Reserve Account Balance (Beginning)</i>	\$236,000
<i>Reserve Account Balance (Year End)</i>	\$240,500

### Recommended Expenditures for Capital Improvement Projects

1504	Mains	45,000	Windover Road/Sierra Madre Villa Pipeline Plans & Specs/East-West Pipeline Plans
1511	Water Treatment Plant	5,400	Upgrade Cl2 Analyzers with PH and Temperature Sensors
1512	Meter Replacement	21,000	Meter Replacement Program
1513	Electrical/Electronic Equipment	50,000	Facility Electrical Projects
1514	Computer/Office Equipment	5,000	Replace Obsolete Computers and Other Equipment
1515	Trucks and Equipment	62,200	Standby Generator and Automatic Transfer Switch for Wilcox Reservoir
1517	Facilities	30,000	Facility Improvement Projects Incl. our share of Wilcox Reservoir Upgrades
1527	SCADA	15,000	SCADA Projects Incl. Security and Low Level Cutoffs at Sage, Wilcox and Glen
<b>Total Other Expenditures</b>		<b>233,600</b>	
<b>NET CASH FLOW</b>		<b>4,500</b>	

**Kinneloa Irrigation District 2009 Financial Summary (Actual and Forecasted)**

Account	Account Description	2009 Budget	January	February	March	April	May	June	July	August	September	October	November	December	2009 FYE Forecasted	Deviation from Budget	
			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecasted	Forecasted	Forecasted	Forecasted		Forecasted	Amount
4000	Water Sales	1,075,795	73,192	51,178	68,368	83,203	102,537	86,015	130,873	136,000	110,000	98,000	82,000	60,000	1,081,366	5,571	1%
4015	Wholesale Water Sales	0	0	0	0	4,902	4,409	15,406	-4,902	0	0	0	0	0	19,815	19,815	0%
4020	Invoice Sales	10,000	350	0	0	0	22	30	0	200	200	200	200	200	1,402	-8,598	-86%
4035	Interest-General Fund Savings	25,000	4,684	0	0	3,469	0	0	2,353	0	0	6,250	0	0	16,755	-8,245	-33%
4050	Capacity Charge	12,000	0	0	0	0	0	0	0	0	3,000	0	0	3,000	6,000	-6,000	-50%
	<b>Total Income</b>	<b>1,122,795</b>	<b>78,226</b>	<b>51,178</b>	<b>68,368</b>	<b>91,573</b>	<b>106,968</b>	<b>101,451</b>	<b>128,324</b>	<b>136,200</b>	<b>113,200</b>	<b>104,450</b>	<b>82,200</b>	<b>63,200</b>	<b>1,125,338</b>	<b>2,543</b>	<b>0%</b>
	<b>Expenditures</b>																
5000	Purchase Water	0								10,000					10,000	10,000	0%
5005	Power	90,000	5,882	5,520	5,101	6,449	8,217	8,419	8,545	10,000	9,000	8,000	7,000	5,000	87,132	-2,868	-3%
5010	Maintenance Supplies	20,000	3,811	2,048	3,312	1,018	2,109	2,354	1,398	1,667	1,667	1,667	1,667	1,667	24,383	4,383	22%
5012	Safety Equipment	2,000	0	781	1,184	0	0	1,803	1,078	0	0	0	0	0	4,845	2,845	142%
5015	Maintenance Labor	168,600	12,560	11,868	12,277	13,077	12,759	12,390	13,496	13,000	13,000	13,000	13,000	13,000	153,426	-15,174	-9%
5020	Stand-by	7,500	660	480	720	480	750	630	540	625	625	625	625	625	7,385	-115	-2%
5022	Training/Certification	2,400	0	45	0	0	0	0	0	50	50	50	50	50	295	-2,105	-88%
5025	Water Treatment/Analysis	22,000	824	1,980	1,278	1,135	1,385	511	4,034	1,400	1,400	1,400	1,400	1,400	18,147	-3,853	-18%
5030	Maintenance Contractors	50,000	2,724	1,527	18,802	0	0	8,668	15,793	6,000	6,000	6,000	6,000	6,000	77,514	27,514	55%
5034	Equipment Maintenance	3,000	50	0	2,309	1,869	0	1,461	0	250	250	250	250	250	6,938	3,938	131%
5035	Vehicle Maintenance	7,000	15	0	0	0	0	0	222	583	583	583	583	583	3,154	-3,846	-55%
5036	Fuel - All Equipment	10,000	2,886	566	679	609	810	635	870	833	833	833	833	833	11,222	1,222	12%
5040	Equipment Rental	500	0	0	0	0	0	0	0	0	0	0	0	500	500	0	0%
5045	Insurance-Workers Comp.	15,000	0	-4,902	2,680	0	0	2,757	0	2,750	0	2,750	0	0	6,035	-8,965	-60%
5046	Insurance-Liability	15,000	0	-313	0	0	0	0	16,317	1,250	1,250	1,250	1,250	1,250	22,254	7,254	48%
5048	Insurance-Property	2,500	166	166	166	166	166	166	169	208	208	208	208	208	2,207	-293	-12%
5049	Insurance-Medical	40,000	5,764	0	3,166	0	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	26,337	-13,663	-34%
6000	Engineering Services	15,000	0	6,440	0	7,544	0	0	10,913	1,250	1,250	1,250	1,250	1,250	31,147	16,147	108%
6005	Watermaster	8,000	0	0	0	0	0	4,000	871	667	667	667	667	667	8,205	205	3%
6015	Administrative Salary	122,000	10,369	9,713	9,713	10,004	10,004	10,004	10,004	10,004	10,004	10,004	10,004	10,004	119,835	-2,165	-2%
6017	Administrative Travel	5,000	10	240	315	161	430	145	283	417	417	417	417	417	3,667	-1,333	-27%
6020	BofD Compensation	7,000	400	500	500	500	400	500	500	1,000	500	500	500	500	6,300	-700	-10%
6021	Administrative Exp.	2,500	0	0	0	795	0	689	0	208	208	208	208	208	2,526	26	1%
6024	Customer/Public Info. Prog.	4,000	0	91	0	0	0	338	1,170	333	333	333	333	333	3,266	-734	-18%
6025	PERS - KID	14,200	908	921	880	921	1,878	950	951	950	950	950	950	950	12,158	-2,042	-14%
6030	Social Security - KID	27,000	1,044	3,074	2,067	2,132	2,121	2,091	2,182	2,100	2,100	2,100	2,100	2,100	25,212	-1,788	-7%
6035	Office Supplies	9,000	248	997	0	1,255	83	434	513	750	750	750	750	750	7,280	-1,720	-19%
6036	Postage/Delivery	6,000	238	491	366	400	333	339	246	400	400	400	400	400	4,412	-1,588	-26%
6040	Professional Dues	7,000	0	82	0	0	500	356	0	583	583	583	583	583	3,855	-3,145	-45%
6045	Legal	10,000	909	807	715	2,944	1,173	148	223	833	833	833	833	833	11,084	1,084	11%
6050	Telephone	5,850	470	558	383	606	510	419	437	425	425	425	425	425	5,507	-343	-6%
6051	Cellular Telephone	2,500	138	79	342	131	133	141	184	150	150	150	150	150	1,898	-602	-24%
6052	Pagers	1,800	133	146	138	139	175	161	161	165	165	165	165	165	1,877	77	4%
6053	Internet Service	1,000	0	0	0	0	320	65	70	83	83	83	83	83	871	-129	-13%
6059	Computer/Software Maintenance	10,000	700	403	626	0	217	950	252	833	833	833	833	833	7,315	-2,685	-27%
6061	Office Equipment Maintenance	1,000	0	0	0	0	0	0	0	83	83	83	83	83	417	-583	-58%
6065	Accounting	7,000	0	4,800	0	0	0	0	0	0	0	0	0	0	4,800	-2,200	-31%
6070	Office Labor	48,000	3,812	3,466	3,812	3,812	3,812	3,812	3,985	3,812	3,812	3,812	3,812	3,812	45,572	-2,428	-5%
6075	Outside Services	20,000	288	453	3,094	1,560	259	2,007	676	1,667	1,667	1,667	1,667	1,667	16,670	-3,330	-17%
6081	Permits/Fees	2,500	0	75	0	0	0	331	0	208	208	208	208	208	1,448	-1,052	-42%
6120	Bank Service Charges	3,000	199	173	246	270	440	542	315	250	250	250	250	250	3,436	436	15%
	<b>Total Expenses</b>	<b>794,850</b>	<b>55,206</b>	<b>53,273</b>	<b>74,869</b>	<b>57,975</b>	<b>51,161</b>	<b>70,392</b>	<b>98,575</b>	<b>77,966</b>	<b>63,716</b>	<b>65,466</b>	<b>61,716</b>	<b>60,216</b>	<b>790,531</b>	<b>-14,319</b>	<b>-2%</b>
	<b>NET REVENUES</b>	<b>327,945</b>	<b>23,020</b>	<b>-2,095</b>	<b>-6,501</b>	<b>33,598</b>	<b>55,807</b>	<b>31,058</b>	<b>29,749</b>	<b>58,234</b>	<b>49,484</b>	<b>38,984</b>	<b>20,484</b>	<b>2,984</b>	<b>334,808</b>	<b>16,863</b>	<b>5%</b>

**Kinneloa Irrigation District 2009 Financial Summary (Actual and Forecasted)**

Account	Account Description	2009 Budget	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Forecasted	September Forecasted	October Forecasted	November Forecasted	December Forecasted	2008 FYE Forecasted	Deviation from Budget	
																Amount	Percent
	<b>Other Expenditures and Adjustments</b>																
1200	Inventory	0	0	0	0	0	0	-110	0	0	0	0	0	0	-110	-110	0%
1504	Replacement Mains	568,500	0	0	0	0	0	0	364,138	36,414	0	0	0	0	400,552	-167,948	-30%
1505	Tunnels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
1511	Water Treatment Plant	10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	-10,000	-100%
1512	Meter Replacement	20,000	0	4,945	8,339	0	0	4,651	0	0	0	0	0	0	17,934	-2,066	-10%
1513	Electrical/Electronic Equipment	20,000	0	0	0	5,420	0	1,004	0	1,667	1,667	1,667	1,667	1,667	14,758	-5,242	-26%
1514	Computer/Office Equipment	5,000	0	0	0	0	0	0	0	417	417	417	417	417	2,083	-2,917	-58%
1515	Trucks and Equipment	20,000	0	19,594	0	0	0	0	0	0	0	0	0	0	19,594	-406	-2%
1516	Facilities	30,000	0	0	2,255	0	0	0	0	0	0	0	0	0	2,255	-27,745	-92%
1523	Construction in Progress	0	0	3,224	196,124	5,196	141,575	18,018	-364,138	0	0	0	0	0	0	0	0%
1527	SCADA	15,000	0	0	2,998	742	0	0	0	1,250	1,250	1,250	1,250	1,250	9,990	-5,010	-33%
1528	Tanks and Reservoirs	75,000	11,453	0	0	0	0	0	0	0	0	0	0	0	11,453	-63,547	-85%
	<b>Total Other Expenditures</b>	<b>763,500</b>	<b>11,453</b>	<b>27,763</b>	<b>209,716</b>	<b>11,358</b>	<b>141,575</b>	<b>23,563</b>	<b>0</b>	<b>39,747</b>	<b>3,333</b>	<b>3,333</b>	<b>3,333</b>	<b>3,333</b>	<b>478,509</b>	<b>-284,991</b>	<b>-37%</b>
	<b>NET CASH FLOW</b>	<b>-435,555</b>	<b>11,567</b>	<b>-29,858</b>	<b>-216,217</b>	<b>22,240</b>	<b>-85,768</b>	<b>7,495</b>	<b>29,749</b>	<b>18,487</b>	<b>46,151</b>	<b>35,651</b>	<b>17,151</b>	<b>-349</b>	<b>-143,702</b>	<b>291,854</b>	<b>-67%</b>

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

Year - 2010	Unit Price	Sub-total	Total
<b>1 Purchase 120 Neptune Proreads and Badger Transponders</b> Doubles the 09 Budget - Completes Routes 1 & 2 also reaching the half way mark in the district. Approx. total in field - 204 -- est. radio units & 20 meters installed at end of 2010 -- 344		\$21,000	
<b>2 Master Plan Projects - Annual - upgrades and additions to Wilcox Res.- Doyne Rd. Developer .</b>  a. Wilcox Resv. - Pump Stand - Strip & Recoat (price is an upgrade to the previous est.) \$20,000 b. Wilcox Resv. - Engineering (est. not available) \$15,000 c. Wilcox Resv. - Replace 50 HP Pump & Mtr. with 75 HP Pump & Motor - (Engr. Est. unavailable) \$25,000 d. Wilcox Resv. - Install ATS Switch & Cables (cost based on A & B Elect. Quote) \$17,200 e. Wilcox Resv. - Upgrade & combine power panel with new panel (Eng. est. not available) \$50,000 f. Wilcox Resv. - Purchase Generator (300KW) for existing 1-existing 75 HP & 1-new 75 hp. (price upgraded from Generator Services Quote) \$45,000		\$172,200	
<b>3 Develop Plans &amp; Specs for Pipeline installation in Windover Rd. &amp; Sierra Madre Villa</b>  Phase A -- Run East Tank & Vosburg Pipelines out to Sierra Madre VI. And Tie-in  Phase B -- Run Vosburg Line from intersection of Windover Rd. & Sierra Madre VI. Down to intersection of SMV & Vosburg St.and complete tie-in.  - Run 8 in. lateral to Villa Mesa, Upgrade Fire Hyd. at s.w.corner and tie-in to existing main with "Y" fitting and valves.		\$25,000	
<b>Pg. 1 Sub Total</b>			<b>\$218,200</b>

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

## Year - 2010 continued

	Unit Price	Sub-Total	Total
<b>4 SCADA</b>			
a. Continue Security Upgrade to Facilities -- Wilcox Resv. & Wilcox Well	\$3,500		
b. Tie Warrcik low level cutoff relay activation to SCADA (currently activate on-site only) \$900 ea. for Eucalyptus, Sage, Wilcox Resv. & Glen Resv.	\$3,600		
		\$7,100	
<b>5 Pumps &amp; Motor Maintenance -- 70 to 72 % max. eff. (to be done in the following order)</b> ** At a minimum Glen & Wilcox should be done in 2010			
a. Glen Reservoir Booster Edison rebate if completed before June 2010 (63 % eff., 6-2008 - Last Overhaul, 1993)	\$7,500		
b. Wilcox Resv. Booster - Pull Pump & Overhaul 75 HP Mtr. (63 % eff. 6-2003, last overhaul 1993) Edison rebate if completed before June 2010	\$7,500		
c. Eucalyptus Boosters - P1 - pull pump and motor, overhaul - 61 % eff. 6-2008, lowest of the 3 bst. Edison rebate if completed before June 2010	\$7,500		
		\$22,500	
<b>6 System Maps -- Estimate</b>			
Update and Add All Facilities - including Valve I.D. Numbers When complete produce new wall map and mount on foam board		\$7,500	
<b>7 CLA-VAL Maintenance -- 3 to 4 valves per yr. on a 5 yr. rotation</b> see attached schedule		\$3,500	
<b>8 East Tank to West Tank Pipeline -- preliminary est.</b>		\$20,000	
a. Develop Engineering Design and Routing			
b. Survey & Describe Easements for future installation - start Oct. 2012 to Feb. 2013			
c. Obtain Legal documents and File with L.A. County			

<b>Pg. 2 Sub Total</b>	<b>\$60,600</b>
------------------------	-----------------

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

## Year - 2010 continued

	Unit price	Sub-Total	Total
<b>9 Upgrade CL2 Analyzers with PH and TEMP Sensors</b> (For Federal Groundwater rule Waiver) -- Matchlor est. \$1500ea. + S & H (Return to Factory) --minimum number of installations - 2  In the following order: a. K-3 Well b. Hi-Lo Pressure Tunnel c. Wilcox Well	   \$1,800 \$1,800 \$1,800	   \$5,400	
<b>10 Wilcox Reservoir</b>  a. Cut brush and trees back on both sides of access road -- from New York Drive up to Resv.  b. Raise tree canopy at northeast corner for vehicle clearance		\$7,500	
<b>11 Setup Fund for future replacement of K-3 Well</b> Starting principal \$250,000 from Reserve Fund - (Kinclair Tract - Eucalyptus Tunnel) Add to fund monies from the following items below. Unknown duration - Est. 10 to 15 years  a. Interest earned from \$250,000 reserve fund b. ? ? ? ? ? Portion of funds from Doyne Rd. - Sage Tank c. ? ? ? ? ?			
Pg. 3 sub total			\$12,900

**2010 Total -- pages 1, 2, & 3**

<b>\$291,700</b>
------------------



# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

## Year - 2011 continued

	Unit Price	Sub-total	Total
8 Upgrade three CL2 Analyzers with PH & Temp Sensors -- Matchlor Estimate \$1500 + S & H to Factory (For Federal Groundwater rule Waiver) - minimum number of installations - 2 per year			
a. Delores Tunnel	\$1,800		
b. Far Mesa Tunnel	\$1,800		
c. Eucalyptus Tunnel	\$1,800		
		\$5,400	
<b>2011 Total</b>			<b>\$460,150</b>

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

**Year - 2012**

	Unit Price	Sub-Total	Total
<b>1 Purchase 60 Neptune Proreads and Badger Transponders</b>  approx. total in field - 364 -- est. radio units & 20 meters installed at end of 2012 -- 444		\$11,000	
<b>2 Master Plan Projects - Annual</b>  Install New Vosburg Booster Pump Station - Est. 2 to 3 boosters		\$175,000	
<b>3 Develop Plans And Specs. For Installation of East to West Tank Pipeline</b>  Relocate Hi-Lo Press. Tunnel pipeline to same trench		\$30,000	
<b>4 SCADA</b>  Finish security upgrade - Eucalyptus Res.    Brown Res. Cla-valve position Switch		\$3,000	
<b>5 Pump &amp; Motor Maintenance</b>  Sage Boosters - Pull both pumps & motors (one at a time Jan. thru Mar.) - 10 yr. Rotation Holly Booster - B-2		\$15,000 \$4,000	
<b>6 System Maps</b>		\$4,000	
<b>7 Cla-Val Maintenance</b> -- 3 to 4 valves per year on 5 yr. Rotation see attached schedule		\$0	
<b>8 Purchase Used Generator</b> - 300kw -- New Wilcox Res. Boosters (Doyme Rd.) / K-3 Well		\$45,000	
<b>9 Reservoir Inspection</b> - Eucalyptus & Wilcox Reservoirs -- Aqua Video		\$6,000	
<b>2012 Total</b>			<b>\$293,000</b>

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

## Year - 2013

	Unit Price	Sub-total	Total
<b>1 Purchase 60 Neptune Proreads and Badger Transponders</b>  approx. total in field - 444 -- est. radio units & 20 meters installed at end of 2013 -- 524		\$11,000	
<b>2 Master Plan Projects - Annual</b>  <b>Install East to West Tank Pipeline</b> Relocate Hi-Lo Press. Tunnel pipeline to same trench		\$350,000	
<b>3 Develop Plans And Specs. For Installation of East Tank Loop Pipeline</b>		\$25,000	
<b>4 SCADA</b>		0	
<b>5 Pump &amp; Motor Maintenance</b>  Holly Booster - B-1		\$4,000	
<b>6 System Maps</b>		0	
<b>7 Cla-Val Maintenance</b> -- 3 to 4 valves per year on 5 yr. Rotation see attached schedule		\$3,750	
<b>2013 Total</b>			<b>\$393,750</b>

# PROJECTS FOR 2010-11-12-13-14 BUDGET

C.A.Burt Aug. 2009

**Year - 2014**

	Unit Price	Sub-total	Total
<b>1 Purchase 56 Neptune Proreads and Badger Transponders</b>  approx. total in field - 524 -- est. radio units & 20 meters installed at end of 2014 -- 600		\$10,260	
<b>2 Master Plan Projects - Annual</b>  Install East Tank Loop		\$250,000	
<b>3 Develop Plans And Specs. for addition of Glen Booster #2</b>		\$25,000	
<b>4 SCADA</b>		\$0	
<b>5 Pump &amp; Motor Maintenance</b>		\$0	
<b>6 System Maps</b>		\$4,000	
<b>7 Cla-Val Maintenance</b> -- 3 to 4 valves per year on 5 yr. Rotation see attached schedule		\$3,750	
<b>2014 Total</b>			<b>\$293,010</b>