

# KINNELOA IRRIGATION DISTRICT

Regular Meeting – Board of Directors  
1999 Kinclair Drive, Pasadena, CA 91107  
Tuesday, December 18, 2018  
3:00 P.M.

## AGENDA

1. **CALL TO ORDER – 3:00 P.M.**
  - a. Declaration of a quorum
  - b. Review of agenda
  
2. **PUBLIC COMMENT –** Comments from the Public regarding items on the Agenda or other items within the jurisdiction of the District  
In compliance with the Brown Act, the Board cannot discuss or act on items not on the Agenda. However, Board Members or District Staff may acknowledge Public comments, briefly respond to statements or questions posed by the Public, ask a question for clarification, or request Staff to place item on a future Agenda (Government Code section §54954.2)
  
3. **PUBLIC HEARING REGARDING PROPOSED 2019 WATER RATES –**  
*Recommended Action: Open public hearing; receive written and oral comments from the public; close public hearing*
  
4. **WATER RATES –** Discussion and adoption of 2019 water rates – Resolution 2018-12-18  
*Recommended Action: Discuss proposed water rates; approve motion to adopt resolution*
  
5. **REVIEW OF MINUTES –** November 20, 2018 minutes  
*Recommended Action: Review and approve motion to file*
  
6. **REVIEW OF FINANCIAL REPORTS –** November 30, 2018 financial reports  
*Recommended Action: Review and approve motion to file*
  
7. **GENERAL MANAGER’S REPORT –** Information item by General Manager  
*Recommended Action: General Manager to summarize the report and respond to questions*
  
8. **POSITIONING OF A DISASTER PREPAREDNESS CONTAINER ON DISTRICT PROPERTY –**  
Update on request from Kinneloa Canyon Association – Don Murphy, President  
*Recommended Action: Discuss revised plan and approve motion to grant request*
  
9. **CAPITAL IMPROVEMENT AND MAINTENANCE PROJECTS –** Presentation by General Manager of the revised list of projects on the planning horizon and completed projects  
*Recommended Action: Discuss revised project list and approve priority projects*

# KINNELOA IRRIGATION DISTRICT

Regular Meeting – Board of Directors  
1999 Kinclair Drive, Pasadena, CA 91107  
Tuesday, December 18, 2018  
3:00 P.M.

## AGENDA

### 10. ELECTION OF KINNELOA IRRIGATION DISTRICT BOARD OFFICERS FOR YEAR 2019 –

*Recommended Action: Conduct election per the following procedure per Article 4.03 of the Kinneloa Irrigation District's Rules and Regulations*

#### BOARD OFFICER ELECTION PROCEDURE

Officers will be nominated and elected individually, not as a “slate.” The procedure is as follows:

- a. The Chairman calls for nominations for the office of Chairman.
- b. A candidate is nominated.
- c. The nomination is seconded. If a second is not received the nomination dies.
- d. The Chairman then asks if there are other nominations.
- e. All other nominations (if any) are received and seconded.
- f. The Chairman then calls for a vote and announces the results.
- g. The same procedure is followed for the office of Treasurer and Secretary.

### 11. DIRECTOR REPORTS AND/OR COMMENTS – In accordance with Government Code §54954.2

Directors may make brief announcements or brief reports on their own activities. Directors may ask a question for clarification, provide a reference to staff or other resources for information, request staff to report back to the Directors at a subsequent meeting, or act to direct staff to place a matter of business on a future agenda.

### 12. CALENDAR – January 15, 2019

February 19, 2019

March 19, 2019

### 13. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you are a disabled person and need a disability-related modification or accommodation to participate in this meeting, please contact the District office 48 hours prior to the meeting at 626-797-6295.

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

<https://kinneloairrigationdistrict.info>.



October 8, 2018

**PUBLIC HEARING NOTICE**  
**REGARDING PROPOSED WATER RATE INCREASES FOR 2019**

Dear Property Owners and Customers,

Pursuant to the requirements set forth in Article 13D of the California Constitution, we are notifying you that the Kinneloa Irrigation District's Board of Directors will consider establishing water rates for 2019, as described below, at a public hearing to be held at 3:00 p.m. on Tuesday, December 18, 2018, at the District's office, 1999 Kinclair Drive, Pasadena. These rates will be applicable for water supplied to all parcels within the District's boundaries. The Board will consider oral and written comments from the public at this meeting prior to adopting any change in the District's rates. You may submit a written protest to the proposed rates at the address set forth above either prior to or at the public hearing.

Water sales revenue is the primary source of income to the District and this revenue is needed to provide funding for system improvements, preventative maintenance projects, general costs and operating costs. Each year, we review and refine our *Water Master Plan for the Kinneloa Irrigation District* (Revision 4 was adopted July 31, 2018) to determine what projects should be undertaken in the coming years, as well as perform an annual review of operating expenses in preparation of the budget. That review has demonstrated that the District's existing water usage rate and daily service charge are not enough to meet the District's revenue requirements for necessary ongoing operations, capital improvements and debt service, and that additional funding of approximately \$100,000 is needed to meet the required revenue. District management has calculated how much of an increase in the water usage rate and daily service charge would be necessary by using the current average annual water usage within the District and determining the incremental increase needed to produce the additional revenue.

The *Water Master Plan for the Kinneloa Irrigation District*, which lists the necessary capital improvement projects the District will be undertaking, can be viewed at <https://kinneloairrigationdistrict.info/Documents/Master Plan/Master Plan Approved 20180731.pdf>. This plan, which was originally developed after the 1993 Kinneloa firestorm, lists projects that improve the District's ability to store and provide sufficient water for firefighting and to maintain water service after other natural disasters, such as earthquakes and windstorms. The recent wild fires throughout California underscore the important role the District has in providing the firefighting ability to protect your home in a future disaster. In addition, the plan includes projects to ensure the District continues to provide its customers with safe and

healthful drinking water. The District has completed over \$7.5 million in projects over the past seventeen years and has saved the District's customers significant debt service costs by self-funding most of the projects through water sales revenue. In 2017, the Kinneloa Irrigation District constructed a new pipeline to connect two reservoirs to provide additional storage capacity, additional fire protection and operational redundancy in the event of a natural disaster. This project and the previously completed booster station project were funded with a \$2.3 million installment purchase agreement to spread the cost of projects over a 15-year period. In 2018, the District completed another pipeline project using reserve funds to increase fire flow to offer additional fire protection in another portion of the District. The District will continue to complete other scheduled preventative maintenance and improvement projects using reserve funds set aside for this purpose. Two of our major projects for 2019 include reservoir maintenance and the replacement of obsolete radios that send and receive data to control reservoir levels and water treatment equipment.

Over the next year, the District plans to initiate a major update of the **Water Master Plan**. The update will consider current and potential fire flow requirements, potential impacts of auxiliary dwelling units (ADU's) on the District's water delivery system and annual water supply, and options for additional water sources, if needed.

The Board of Directors of the Kinneloa Irrigation District approved the budget for the calendar year of 2019 at its regular meeting on September 18, 2018, subject to further discussion and approval of water rates for 2019 at a future meeting, in full compliance with the California Constitution's requirements. At that meeting on September 18, 2018, the Board also proposed an increase in the District's water usage (commodity) charge from \$4.30 to \$4.43 per unit (one unit equals 100 cubic feet or 748 gallons) and an increase in the District's fixed daily service charge from \$2.14 to \$2.20. The proposed rate increases for 2019 is necessary to meet the projected revenue, capital improvement and debt service requirements of the 2019 budget.

Your billing and usage history are available online by registering your account at the District's Internet site at <https://kinneloairrigationdistrict.info> or by mail upon request. The effect of this proposed rate increase on your monthly water bill can be offset by continuing your conservation efforts, by converting your outdoor irrigation and landscaping to California-friendly plants and by applying at <https://socalwatersmart.com> for rebates on appliances, weather-based irrigation controllers and other water saving devices.

Your Board of Directors who are also customers of the District is committed to keeping your water rates as low as possible and still provide a safe and reliable water supply and a superior emergency response capability. This minimal increase is consistent with those goals.

Sincerely,

Kinneloa Irrigation District Board of Directors

Kinneloa Irrigation District • 1999 Kinclair Drive, Pasadena, California 91107-1017  
Phone (626) 797-6295 • Fax (626) 794-5552 • E-mail: [kinneloa@outlook.com](mailto:kinneloa@outlook.com)  
<https://kinneloairrigationdistrict.info>

# Proposed Kinneloa Irrigation District 2019 Budget

Account	Account Description	2019 Budget
4000	Water Sales	1,500,000
4015	Wholesale Water Sales	85,000
4020	Service Charges	10,000
4035	Interest-Reserve Fund	15,000
<b>Total Income</b>		<b>1,610,000</b>
5000	Leased Water Rights*	63,135
5005	Electricity	125,000
5010	Maintenance Supplies	25,000
5011	Material and Labor for Installs	10,000
5012	Safety Equipment	1,600
5015	Operations & Maintenance Labor	198,400
5016	Operations & Maintenance OT	9,000
5020	Stand-by Compensation	10,950
5022	Training/Certification	1,600
5025	Water Treatment/Analysis	22,000
5030	Maintenance Contractors	125,000
5034	Equipment Maintenance	12,500
5035	Vehicle Maintenance	10,000
5036	Fuel - All Equipment	15,000
5040	Equipment Rental	500
5045	Insurance-Workers Compensation	12,000
5046	Insurance-Liability	16,000
5048	Insurance-Property	2,500
5049	Insurance-Medical	76,500
6000	Engineering Services	47,500
6005	Watermaster Services	12,000
6015	Administrative Salary	148,000
6017	Administrative Travel	3,000
6020	Board of Directors Compensation	5,600
6021	Administrative & Board Expenses	1,000
6022	Board of Directors Election	12,500
6024	Customer/Public Information	2,000
6025	PERS - KID	36,000
6030	Social Security - KID	29,000
6031	Medicare - KID	6,200
6035	Office/Computer Supplies	7,000
6036	Postage/Delivery	5,000
6040	Professional Dues	12,000
6045	Legal Services	15,000
6050	Telephone	4,500
6051	Mobile Telephone	1,500
6052	Pagers	500
6053	Internet Service	1,000
6059	Computer/Software Maintenance	12,000
6061	Office Equipment Maintenance	1,000
6065	Accounting Services	7,000
6070	Office & Accounting Labor	96,550
6075	Professional/Contract Services	28,000
6080	Administrative Fees	9,000
6081	Permits/Fees	15,000
6086	Sales Tax	500
6088	Interest Expense	66,628
6120	Bank Service Charges	6,500
<b>Total Expenses</b>		<b>1,328,163</b>
<b>NET REVENUES</b>		<b>281,837</b>

<b>Water Sales, Units</b>	232,199
<b>Usage Charge Per Unit</b>	\$4.43
<b>Annual Usage (Commodity) Revenue</b>	\$1,028,639
<b>Daily Service Charge</b>	\$2.20
<b>Annual Daily Service Charge Revenue</b>	\$471,361
<b>Annual Water Sales</b>	\$1,500,000
<b>Wholesale Water Sales</b>	\$85,000
<b>Other Annual Revenue</b>	\$25,000
<b>Total Revenue</b>	\$1,610,000
<b>Total Expenses</b>	\$1,328,163
<b>Net Revenues</b>	\$281,837
<b>Improvement Projects and Debt Service</b>	\$281,574
<b>Annual Net Cash Flow</b>	\$263
<b>Average Monthly Charge for Low Usage (10 units)</b>	\$112
<b>Average Monthly Charge for Medium Usage (50 units)</b>	\$289
<b>Average Monthly Charge for High Usage (100 units)</b>	\$511
<b>Reserve Fund Balance (Beginning)*</b>	\$1,764,102
<b>Reserve Fund Balance (Year End)*</b>	\$1,764,365

\*Reserve fund balance includes targets of \$100,000-\$200,000 for operating reserve, \$200,000-\$400,000 for emergency repairs, \$200,000-\$400,000 for replacement of existing facilities equipment and vehicles and \$500,000-\$4,500,000 for future capital improvement projects. The total target reserve fund range is \$1,000,000-\$5,500,000.

Rate History		
Effective Date	Daily Service Charge (Charge Per Average Month)	Usage Charge
12/15/1955	No daily service charge - Monthly minimum charge based on meter size: \$2.50 for 3/4" \$3.50 for 1" \$5.50 for 1.5" \$6.50 for 2"	3/4" \$2.50 1st 400 Cu. Ft. (4 units) 1" \$3.50 1st 600 Cu. Ft. (6 units) 1 1/2" \$5.00 1st 800 Cu. Ft. (8 units) 2" \$6.50 1st 1000 Cu. Ft. (10 units) up to 10,000 Cu. Ft. (100 units) \$0.15 per 100 Cu. Ft. over 10,000 Cu. Ft. (100 units)
5/1/1958	No daily service charge - Monthly minimum charge \$5.00 for all meters for 1st 800 Cu. Ft. (8 units)	\$0.18 per 100 Cu. Ft. (1 unit) up to 10,000 Cu. Ft. (100 units) \$0.15 per 100 Cu. Ft. over 10,000 Cu. Ft. (100 units)
4/1/1976	0.1810 (\$ 5.50)	\$0.20
4/1/1977	0.2140 (\$ 6.50)	\$0.27
1/1/1989	0.6575 (\$20.00)	\$0.85
1/1/1991	0.6575 (\$20.00)	\$1.10
5/5/1993	0.6575 (\$20.00)	\$1.60
4/5/2001	0.9863 (\$30.00)	\$1.90
1/6/2003	0.9863 (\$30.00)	\$1.95
1/1/2005	0.9863 (\$30.00)	\$2.05
1/1/2006	1.1178 (\$34.00)	\$2.30
1/1/2007	1.1836 (\$36.00)	\$2.42
1/1/2009	1.3479 (\$41.00)	\$2.55
1/1/2010	1.6110 (\$49.00)	\$2.75
1/1/2011	1.6110 (\$49.00)	\$2.95
1/1/2013	1.6800 (\$51.10)	\$3.35
1/1/2015	1.7600 (\$53.53)	\$3.52
1/1/2016	2.0200 (\$61.44)	\$4.05
1/1/2017	2.0800 (\$63.27)	\$4.17
1/1/2018	2.1400 (\$65.09)	\$4.30
1/1/2019 (proposed)	2.2000 (\$67.53)	\$4.43

### Recommended Expenditures for Projects\*\*

1504	Water Mains	0	Engineering will start for a project in the 2020-2021 timeframe
1505	Water Tunnels	0	No tunnel projects are scheduled at this time
1509	Wilcox Well/Wilcox Booster	52,000	Replace 50 hp booster pump and motor and sandblast and paint pump stand
1511	Water Treatment Plant	6,000	
1512	Water Meters	9,000	Based on meter replacement rate and transmitters reaching end of 10-year life cycle
1513	Electrical/Electronic Equipment	5,000	
1514	Computer/Office Equipment	5,000	
1515	Vehicles/Portable Equipment	0	Delay purchase of vehicle to replace 1996 pickup truck until next year
1516	Water Company Facilities	20,000	Joint and crack repair at Brown Reservoir
1527	SCADA	51,000	Includes replacement of obsolete radios at 17 sites plus one spare
2400	Installment Purchase Agreement	133,574	Annual principle payment on project loan
<b>Total Other Expenditures</b>		<b>281,574</b>	
<b>NET CASH FLOW</b>		<b>263</b>	

\* Optional expense based on need for supplemental water and negotiation for leased water rights

\*\*Major projects will be prioritized during the year based on urgency and available funds and presented to the Board of Directors for approval.

## **RESOLUTION 2018-12-18**

### **A RESOLUTION OF THE BOARD OF DIRECTORS OF THE KINNELOA IRRIGATION DISTRICT ESTABLISHING RATES FOR SERVICE AND USAGE CHARGES EFFECTIVE DECEMBER 20, 2018**

**WHEREAS**, the Board of Directors of this District has the statutory responsibility and authority to set rates and charges at a level adequate to meet the District's operating expenses and reserve requirements; and

**WHEREAS**, the Board has approved a budget for 2019 after consideration of projected operating and capital expenses and wishes to establish water rates for 2019 as reflected in the budget.

**NOW THEREFORE, IT IS RESOLVED** that the Board adopts a service charge of \$2.20 per day (\$67.53 per average month); and a commodity charge of \$4.43 per unit (100 cubic feet or 748 gallons) effective for water used on and after December 20, 2018, and reflected on bills received in February 2019;

**RESOLVED FURTHER**, that the General Manager is directed to insert the changed rates in the Rules and Regulations and other documents maintained by the District.

**PASSED, APPROVED AND ADOPTED THIS EIGHTEENTH DAY OF DECEMBER 2018.**

SIGNED: \_\_\_\_\_

Chair

ATTEST: \_\_\_\_\_

Secretary

**KINNELOA IRRIGATION DISTRICT**  
**Regular Meeting – Board of Directors**  
**1999 Kinclair Drive, Pasadena, CA 91107**  
**Tuesday, November 20, 2018**  
**3:00 p.m.**  
**Minutes**

**DIRECTORS PRESENT:** Tim Eldridge, Frank Griffith, Gordon Johnson, Gerrie Kilburn

**DIRECTORS ABSENT:** Bill Opel

**STAFF PRESENT:** Melvin Matthews, General Manager/Acting Board Secretary; Donna Eggehorn, Administrative Assistant; Chris Burt, Sr. Facilities Operator

**1. CALL TO ORDER:** Chair Frank Griffith called the meeting to order at 3:01 p.m. A quorum of Board Members was present. The Agenda was reviewed, and no changes were requested.

**2. PUBLIC COMMENT:** Linda Szerdahelyi of Coldwell Banker Real Estate was present.

**3. CAPACITY CHARGE AND DEVELOPMENT FEES:** Bill Kruse, Attorney for Kinneloa Irrigation District addressed the Board with the current legal requirements and regulations regarding the capacity charge and development fees.

Discussion ensued on what is required to change the capacity charge. The first step would be an engineering study of the past improvement projects that benefit future owners of new sub-divided parcels as well as auxiliary dwelling units (ADU's) on existing parcels. Secondly, a determination would be needed for the fair division of these past costs between the District and the owners of parcels requiring new water service. Finally, an estimate of the number of future water services would be needed to determine the capacity charge for each new water service. A change in the capacity charge is not subject to the provisions of Proposition 218 but a public hearing is required before establishing a new charge.

Development fees are future-directed based on the cost of providing new water mains, fire hydrants and service connections and/or upgrading existing infrastructure to meet the current requirements for fire flow or other regulations. Development fees are subject to negotiation with the property owner or developer and are not subject to the provisions of Proposition 218.

After discussion, the Board did not take any action to change the current procedures or charges in the District's ***Rules and Regulations*** for these items.

**4. REVIEW OF MINUTES:** The minutes of October 16, 2018 were reviewed. Chair Griffith requested to change the word "**Absent**" to "**Abstain**" in the vote line under items #4, 5, and 7. Motioned/seconded/carried-(Kilburn/Johnson) and approved by a vote of 4/0/0/1 Ayes-Eldridge, Griffith, Johnson, Kilburn/Noes-0/Abstain-0/Absent-Opel

**KINNELOA IRRIGATION DISTRICT**  
**Regular Meeting – Board of Directors**  
**Tuesday, November 20, 2018**  
**Minutes**

**5. REVIEW OF FINANCIAL REPORTS:** General Manager Matthews reviewed the financial reports for October 31, 2018, highlighting that the District had increased water sales as compared to the budget, that operations and maintenance expenses were lower than the budget this month and that the net increase in cash was higher than the budgeted amount.

Motioned/seconded/carried-(Kilburn/Eldridge) and approved by a vote of 4/0/0/1  
Ayes-Eldridge, Griffith, Johnson, Kilburn/Noes-0/Abstain-0/Absent-Opel

**6. LOS ANGELES COUNTY WATER AGENCY MUTUAL ASSISTANCE AGREEMENT:** The Board reviewed and approved to authorize the General Manager to sign the agreement.

Motioned/Seconded/carried-(Johnson/Kilburn) and approved by a vote of 4/0/0/1  
Ayes-Eldridge, Griffith, Johnson, Kilburn/Noes-0/Abstain-0/Absent-Opel

**7. GENERAL MANAGER'S REPORT:** The General Manager and Board reviewed the report and highlighted the follow items and answered questions from the Directors:

**KID Rules and Regulations** - Continued project to revise and update this document

**Emergency Preparedness** – Finalized the Public Water Agency Emergency Preparedness Group Mutual Aid Agreement

**Public Water Agency Group (PWAG)** – General Manager Matthews is on the team preparing for the formalization of the structure of PWAG as a mutual-benefit non-profit corporation.

**Automated Meter Reading** – Continued with the analysis of the best path forward using new technologies to collect data now that Badger has officially announced the discontinuance of current Badger meter endpoint which is used by the KID to collect water meter readings.

**8. DIRECTOR REPORTS AND/OR COMMENTS:** The General Manager will present the recommended project list for 2019 at a future meeting.

**9. CALENDAR:** A Public Hearing Regarding Proposed Water Rate Increases for 2019 and the next regular meeting will be at 3:00 p.m. on Tuesday, December 18, 2018.

**10. ADJOURNMENT:** The meeting was adjourned at 4:04 p.m.

Prepared by:

Donna Eggehorn, Administrative Assistant

Reviewed and submitted by:

*Melvin L. Matthews*

Acting Secretary to the Board



**Kinneloa Irrigation District**  
**Income Statement for the Eleven Months Ending November 30, 2018**

	Current Month Actual	Current Month Budget	Current Month Variance	Year to Date Actual	Year to Date Budget	Year to Date Variance
<b>Revenues</b>						
4000 Water Sales	134,821.51	104,000.00	30,821.51	1,499,799.38	1,296,000.00	203,799.38
4015 Wholesale Water Sales	19,051.57	18,750.00	301.57	53,672.10	56,250.00	(2,577.90)
4020 Service/Installation Charges	1,212.01	833.33	378.68	19,082.47	9,166.63	9,915.84
4035 Interest-Reserve Fund	2,288.16	833.33	1,454.83	23,484.75	9,166.63	14,318.12
4070 Misc. Income	0.00	0.00	0.00	10,844.53	0.00	10,844.53
<b>Total Revenues</b>	<b>157,373.25</b>	<b>124,416.66</b>	<b>32,956.59</b>	<b>1,606,883.23</b>	<b>1,370,583.26</b>	<b>236,299.97</b>
<b>Expenses</b>						
5000 Leased Water Rights	0.00	0.00	0.00	63,135.00	63,135.00	0.00
5005 Electricity	10,973.31	10,000.00	973.31	112,273.48	110,000.00	2,273.48
5010 Maintenance/Repair Supplies	3,427.00	2,083.33	1,343.67	29,402.60	22,916.63	6,485.97
5011 Material and Labor for Install	0.00	833.33	(833.33)	1,480.77	9,166.63	(7,685.86)
5012 Safety Equipment	97.93	133.33	(35.40)	329.16	1,466.63	(1,137.47)
5015 Operations Labor	16,268.16	15,616.67	651.49	153,763.41	171,783.37	(18,019.96)
5016 Operations OT	837.27	666.67	170.60	7,244.27	7,333.37	(89.10)
5020 Stand-by Compensation	690.00	912.50	(222.50)	6,750.00	10,037.50	(3,287.50)
5022 Training/Certification	0.00	133.33	(133.33)	850.00	1,466.63	(616.63)
5025 Water Treatment/Analysis	3,576.05	1,833.33	1,742.72	20,971.01	20,166.63	804.38
5030 Maintenance/Repair Contractors	10,108.54	10,416.67	(308.13)	107,546.80	114,583.37	(7,036.57)
5034 Equipment Maintenance	1,002.88	833.33	169.55	9,001.91	9,166.63	(164.72)
5035 Vehicle Maintenance	493.10	833.33	(340.23)	8,218.97	9,166.63	(947.66)
5036 Fuel	947.22	1,250.00	(302.78)	10,923.64	13,750.00	(2,826.36)
5045 Insurance-Workers Compensatio	4,733.19	3,000.00	1,733.19	9,544.57	12,000.00	(2,455.43)
5046 Insurance-Liability	1,211.17	1,333.33	(122.16)	13,073.84	14,666.63	(1,592.79)
5048 Insurance-Property	144.50	208.33	(63.83)	1,622.03	2,291.63	(669.60)
5049 Insurance-Medical	6,768.83	6,375.00	393.83	70,626.44	70,125.00	501.44
6000 Engineering Services	0.00	3,958.33	(3,958.33)	4,770.00	43,541.63	(38,771.63)
6005 Watermaster Services	880.83	1,000.00	(119.17)	9,859.65	11,000.00	(1,140.35)
6015 Administrative Salary	11,489.02	11,666.67	(177.65)	122,802.46	128,333.37	(5,530.91)
6017 Administrative Travel	76.03	250.00	(173.97)	1,365.92	2,750.00	(1,384.08)
6020 Board Compensation	300.00	466.67	(166.67)	4,600.00	5,133.37	(533.37)
6021 Administrative & Board Expens	0.00	83.33	(83.33)	0.00	916.63	(916.63)
6022 Board of Directors Election	0.00	0.00	0.00	81.28	100.00	(18.72)
6024 Customer/Public Info. Prog.	205.00	166.67	38.33	1,688.06	1,833.37	(145.31)
6025 PERS - KID	2,542.41	2,062.50	479.91	25,289.56	22,687.50	2,602.06
6030 Social Security - KID	2,251.35	2,145.83	105.52	22,800.13	23,604.13	(804.00)
6031 Medicare - KID	526.52	516.67	9.85	5,332.29	5,683.37	(351.08)
6035 Office/Computer Supplies	(1,429.16)	583.33	(2,012.49)	5,763.59	6,416.63	(653.04)
6036 Postage/Delivery	250.00	416.67	(166.67)	2,633.46	4,583.37	(1,949.91)
6040 Professional Dues	863.66	1,000.00	(136.34)	9,780.34	11,000.00	(1,219.66)
6045 Legal Services	300.04	1,250.00	(949.96)	5,320.29	13,750.00	(8,429.71)
6050 Telephone	436.13	375.00	61.13	3,913.57	4,125.00	(211.43)
6051 Mobile Telephone	76.12	125.00	(48.88)	811.61	1,375.00	(563.39)
6052 Pagers	27.79	41.67	(13.88)	300.45	458.37	(157.92)

**Kinneloa Irrigation District**  
**Income Statement for the Eleven Months Ending November 30, 2018**

	Current Month Actual	Current Month Budget	Current Month Variance	Year to Date Actual	Year to Date Budget	Year to Date Variance
6053 Internet Service	59.99	83.33	(23.34)	1,144.97	916.63	228.34
6059 Computer Software Maintenance	0.00	750.00	(750.00)	14,832.25	8,250.00	6,582.25
6061 Office Equipment Maintenance	0.00	83.33	(83.33)	0.00	916.63	(916.63)
6065 Accounting Services	0.00	0.00	0.00	6,750.00	7,000.00	(250.00)
6070 Office & Accounting Labor	7,427.75	8,045.83	(618.08)	81,323.02	88,504.13	(7,181.11)
6075 Professional/Contract Services	1,998.31	1,916.67	81.64	26,872.56	21,083.37	5,789.19
6080 Administrative Fees	708.72	741.67	(32.95)	7,761.35	8,158.37	(397.02)
6081 Permits/Fees	293.00	1,250.00	(957.00)	7,014.92	13,750.00	(6,735.08)
6086 Taxes - Sales	0.00	0.00	0.00	84.00	500.00	(416.00)
6088 Interest Expense	0.00	0.00	0.00	71,289.66	71,348.00	(58.34)
6120 Bank Service Charges	459.46	541.67	(82.21)	5,976.03	5,958.37	17.66
<b>Total Expenses</b>	<b>91,022.12</b>	<b>95,983.32</b>	<b>(4,961.20)</b>	<b>1,076,919.32</b>	<b>1,176,899.52</b>	<b>(99,980.20)</b>
<b>Net Income</b>	<b>66,351.13</b>	<b>28,433.34</b>	<b>37,917.79</b>	<b>529,963.91</b>	<b>193,683.74</b>	<b>336,280.17</b>
<b>Other Expenditures</b>						
1511 WaterTreatment Plant	0.00	0.00	0.00	1,990.22	6,000.00	(4,009.78)
1512 Water Meters	591.30	0.00	591.30	15,451.55	4,500.00	10,951.55
1514 Computer/Office Equipment	0.00	0.00	0.00	8,034.65	5,000.00	3,034.65
1517 KID Office	0.00	0.00	0.00	538.44	0.00	538.44
1527 SCADA Equipment	0.00	0.00	0.00	29,852.82	11,000.00	18,852.82
1530 Tools	0.00	0.00	0.00	1,483.98	0.00	1,483.98
2400 Installment Purchase Agreement	0.00	0.00	0.00	128,912.30	128,854.00	58.30
<b>Total Other Expenditures</b>	<b>591.30</b>	<b>0.00</b>	<b>591.30</b>	<b>186,263.96</b>	<b>155,354.00</b>	<b>30,909.96</b>
<b>Total Increase or (Drawdown)</b>	<b>65,759.83</b>	<b>28,433.34</b>	<b>37,326.49</b>	<b>343,699.95</b>	<b>38,329.74</b>	<b>305,370.21</b>

**Kinneloa Irrigation District**  
**Balance Sheet as of November 30, 2018**

**ASSETS**

**Current Assets**

1010	Checking-Wells Fargo Bank	\$ 720,156.44	
1012	Reserve Fund-LAIF	122,547.67	
1014	Reserve Fund-CalTRUST	1,155,736.51	
1015	Unrealized Gain(Loss)-CalTRUST	18,456.71	
1016	Accrued Interest-LAIF	959.35	
1100	Accts. Receivable-Water Sales	39,219.93	
1101	Accts. Receiv.-Service Charges	263.84	
1190	Allowance for Bad Debts	(771.48)	
1200	Inventory	20,000.00	
1340	Accrued Water Sales	170,011.65	
1350	Prepaid Insurance	11,076.15	
1360	Prepaid Expenses	19,960.31	
	Total Current Assets		2,277,617.08

**Property and Equipment**

1501	Water Rights	52,060.41	
1503	Land Sites	96,700.08	
1504	Water Mains	3,584,517.77	
1505	Water Tunnels	729,074.60	
1506	K-3 Well	89,543.06	
1507	Improvement District #1	602,778.12	
1508	Mountain Property	6,620.00	
1509	Wilcox Well/Wilcox Booster	94,030.98	
1510	Interconnections	14,203.27	
1511	WaterTreatment Plant	187,388.28	
1512	Water Meters	103,780.05	
1513	Electrical/Electronic Equip.	256,918.72	
1514	Computer/Office Equipment	75,205.63	
1515	Vehicles & Portable Equipment	242,548.91	
1516	Water Company Facilities	70,422.20	
1517	KID Office	54,741.36	
1518	Shaw Ranch	280,789.92	
1519	Dove Creek Project	487,383.87	
1520	Glen Reservoir/Booster	24,190.86	
1521	Kinneloa Ridge Project	690,492.58	
1522	Eucalyptus Booster Station	532,342.43	
1526	Vosburg Booster	1,647,215.66	
1527	SCADA Equipment	307,897.92	
1528	Tanks and Reservoirs	119,491.90	
1529	Holly Tanks	181,113.76	
1530	Tools	8,295.55	
1600	Accum. Depreciation	(4,587,390.02)	
	Total Property and Equipment		5,952,357.87

**Other Assets**

1901	PERS-Deferred Outflows	21,181.00	
	Total Assets		\$ 8,251,155.95

**Kinneloa Irrigation District**  
**Balance Sheet as of November 30, 2018**

**LIABILITIES AND CAPITAL**

**Current Liabilities**

2000	Accounts Payable	\$ 27,228.75	
2272	Job Deposits	900.00	
2275	Deposits-Water Customers	255.02	
2290	Accrued Vacation	14,380.60	
	Total Current Liabilities		42,764.37

**Long-Term Liabilities**

2400	Installment Purchase Agreement	1,868,477.35	
2801	PERS- Net Liability	321,633.12	
2901	PERS- Deferred Inflows	83,822.00	
	Total Long-Term Liabilities		2,273,932.47
	Total Liabilities		2,316,696.84

**Capital**

3040	Fund Balance	5,404,495.20	
	Net Income	529,963.91	
	Total Capital		5,934,459.11
	Total Liabilities & Capital		\$ 8,251,155.95

**Kinneloa Irrigation District**  
**Statement of Cash Flow**  
**For the Eleven Months Ended November 30, 2018**

	Current Month	Year to Date
<b>Cash Flows from Operating Activities</b>		
Net Income	\$ 66,406.50	\$ 530,019.28
<i>Adjustments to reconcile net income to net cash provided by operating activities</i>		
1100 Accts. Receivable-Water Sales	13,586.13	(6,305.68)
1101 Accts. Receiv.-Service Charges	(22.05)	(263.84)
1102 Accts. Receiv.-Wholesale Water	15,050.44	0.00
1340 Accrued Water Sales	947.22	20,529.28
1350 Prepaid Insurance	1,355.67	(1,572.13)
1360 Prepaid Expenses	2,162.49	2,233.01
2000 Accounts Payable	(92,281.97)	1,249.24
2271 Deposits-Construction Meters	(850.00)	0.00
2272 Job Deposits	(900.00)	900.00
	(60,952.07)	16,769.88
<b>Total Adjustments</b>	<b>(60,952.07)</b>	<b>16,769.88</b>
<b>Net Cash Provided by Operations</b>	<b>5,454.43</b>	<b>546,789.16</b>
<b>Cash Flows from Investing Activities</b>		
<i>Used for</i>		
1511 Water Treatment Plant	0.00	(1,993.64)
1512 Water Meters	(591.30)	(15,451.55)
1514 Computer/Office Equipment	0.00	(8,034.65)
1517 KID Office	0.00	(538.44)
1527 SCADA Equipment	0.00	(29,852.82)
1530 Tools	0.00	(1,483.98)
	(591.30)	(57,355.08)
<b>Net Cash Used in Investing</b>	<b>(591.30)</b>	<b>(57,355.08)</b>
<b>Cash Flows from Financing Activities</b>		
<i>Proceeds from</i>		
<i>Used for</i>		
2400 Installment Purchase Agreement	0.00	(128,912.30)
2801 PERS- Net Liability	(1,132.38)	(10,286.88)
	(1,132.38)	(139,199.18)
<b>Net Cash Used in Financing</b>	<b>(1,132.38)</b>	<b>(139,199.18)</b>
<b>Net Increase (Decrease) in Cash</b>	<b>\$ 3,730.75</b>	<b>\$ 350,234.90</b>
<b>Summary</b>		
Cash Balance at End of Period	\$ 2,017,856.68	\$ 2,017,856.68
Cash Balance at Beg. of Period	(2,014,125.93)	(1,667,618.36)
<b>Net Increase (Decrease) in Cash</b>	<b>\$ 3,730.75</b>	<b>\$ 350,238.32</b>

**Kinneloa Irrigation District**  
**Check Register**  
**For the Period from November 1, 2018 to November 30, 2018**

<b>Date</b>	<b>Check #</b>	<b>Payee</b>	<b>Amount</b>	<b>Description</b>
11/8/18	EFT3667	American Messaging Services	27.79	pager service
11/8/18	EFT3668	Arco Gaspro Plus	947.22	truck fuel
11/8/18	EFT3669	Athens Services	196.07	trash pickup
11/8/18	EFT3670	CA Public Employees Ret. Sys.	4,988.08	KID and employee portion
11/8/18	EFT3671	Century Business Solutions	15.00	Ebiz Charge monthly fee
11/8/18	EFT3672	Kinneloa Irrigation District CA	100,100.98	Principal and Interest Loan payment
11/8/18	EFT3673	Pasadena Municipal Services	1,443.25	Wilcox Well power
11/8/18	EFT3674	Southern California Edison Co.	8,865.36	power for Wilcox, Holly, Vosburg, Sage
11/8/18	EFT3675	Charter Communications	346.12	internet/phone
11/8/18	EFT3676	VeriCheck, Inc.	32.20	echeck processing fee
11/8/18	EFT3677	Verizon Wireless	106.19	Chris' mobile phone
11/8/18	EFT3678	CA Public Employees Ret. Sys.	1,132.38	Unfunded Liability - monthly payment
11/8/18	8946	ACWA/JPIA	4,733.19	Workers' Comp 7/1/18-9/30/18
11/8/18	8947	AmeriPride Services	66.51	shop rag service
11/8/18	8948	BrightView Landscape Services	1,490.00	landscape maintenance
11/8/18	8949	Joel Bundy	22.18	mileage reimbursement
11/8/18	8950	Byrd Industrial Electronics	432.36	Sage radio failure repair service order
11/8/18	8951	Donna Eggehorn	27.96	mileage reimbursement
11/8/18	8952	Eurofins Eaton Analytical, Inc.	211.20	water sample analysis
11/8/18	8953	Ferguson Waterworks #1083	591.30	4 Neptune meters
11/8/18	8954	Fyre Guard Company	487.81	fire extinguisher annual inspection
11/8/18	8955	Lagerlof, Senecal, Gosney & Kruse	300.04	PWAG-Emergency Prep services
11/8/18	8956	McMaster Carr	835.38	Generator/Facilities maintenance and repair
11/8/18	8957	National Meter & Automation	3,416.94	40 orion universal pit transmitters
11/8/18	8958	Ultimate Cleaning Solutions	75.00	janitorial service
11/8/18	8959	Underground Service Alert	38.05	Dig Alert
11/8/18	8960	ACWA/JPIA	7,469.05	KID and employee portion of Health benefits
11/9/18	8963	Jason Hayes	1,206.23	Construction meter and Fire Flow refund
11/9/18	8964	Nayri S Tabakian	22.05	fire flow refund
11/15/18	EFT3679	Joel D. Bundy	1,434.89	salary
11/15/18	EFT3680	Christopher A. Burt	2,564.05	salary
11/15/18	EFT3681	Donna V. Eggehorn	1,375.06	salary
11/15/18	EFT3682	Brian L. Fry	1,920.46	salary
11/15/18	EFT3683	Melvin L. Matthews	3,830.65	salary
11/15/18	EFT3684	Juan R. Tello	1,375.06	salary
11/15/18	EFT3685	Automatic Data Processing, Inc.	83.42	payroll processing
11/15/18	EFT3686	Christopher A. Burt	150.00	salary
11/15/18	EFT3687	Automatic Data Processing, Inc.	5,156.52	payroll processing and employee withholdings
11/20/18	EFT3688	Umpqua Bank	3,373.68	credit card payment - see attached detail
11/20/18	EFT3690	Verizon Wireless	76.12	Chris' mobile phone

**Kinneloa Irrigation District**  
**Check Register**  
**For the Period from November 1, 2018 to November 30, 2018**

<b>Date</b>	<b>Check #</b>	<b>Payee</b>	<b>Amount</b>	<b>Description</b>
11/20/18	8965	Civiltec Engineering, Inc.	800.00	fire flow test
11/20/18	8966	Clinical Laboratory SB	84.00	general physical
11/20/18	8967	Eurofins Eaton Analytical, Inc.	13.20	water sample analysis
11/20/18	8968	Foothill Municipal Water District	708.72	administrative fee
11/20/18	8969	D Lewis Company	900.00	Clarmeya Ln leak detection
11/20/18	8970	McMaster Carr	458.44	storage & maintenance/repair supplies
11/20/18	8971	Western Water Works	67.46	concrete meter boxes
11/20/18	8972	HRE Smart, LLC	22.05	fire flow refund
11/30/18	EFT3691	Joel D. Bundy	1,419.35	salary
11/30/18	EFT3692	Christopher A. Burt	3,323.67	salary
11/30/18	EFT3693	Donna V. Eggehorn	1,375.06	salary
11/30/18	EFT3694	Timothy J. Eldridge	92.35	salary
11/30/18	EFT3695	Brian L. Fry	1,754.48	salary
11/30/18	EFT3696	Francis J. Griffith	92.35	salary
11/30/18	EFT3697	Gerrie G. Kilburn	92.35	salary
11/30/18	EFT3698	Melvin L. Matthews	3,830.64	salary
11/30/18	EFT3699	Juan R. Tello	1,375.06	salary
11/30/18	EFT3700	Automatic Data Processing, Inc.	90.16	payroll processing
11/30/18	EFT3701	Christopher A. Burt	150.00	salary
11/30/18	EFT3702	Automatic Data Processing, Inc.	5,477.17	payroll processing and employee withholdings
11/30/18	EFT3703	Century Business Solutions	223.26	credit card discount fees
<b>Total</b>			<b><u>183,315.57</u></b>	

**Credit Card Detail Umpqua Bank  
NOVEMBER 2018**

(Expenses incurred/billed in November and due/paid in December)

Acct. No.	Account Description	Additional Description	MLM	CAB	BLF	JDB	TOTAL
1514	Computer/Office Equip.						
1517	KID Office						
1530	Tools						
5010	Maintenance Supplies	blocks for Glen Resv; blocks for Glen Chlorinator		\$10.84	\$25.30		\$36.14
5012	Safety Equipment	work shirts				\$33.30	\$33.30
5022	Training/Certification						
5025	Water Treatment/Analysis	acid; salt crystals		\$30.09	\$52.49	\$774.84	\$857.42
5034	Equipment Maintenance						
5035	Vehicle Maintenance						
5036	Fuel						
6017	Adm. Travel						
6021	Adm. & Bd. Exp.						
6035	Office/Computer Supplies	ink cartridges; pens, statement paper, calendar, cups	\$554.81			\$87.81	\$642.62
6036	Postage/Delivery	stamps				\$250.00	\$250.00
6040	Professional Dues						
6050	Telephone	answering service	\$75.00				\$75.00
6051	Mobile Phone	phone case for Chris		\$32.20			\$32.20
6053	Internet Service						
6059	Computer/Software Maint.						
6061	Office Equipment Maint.						
6075	Outside Services						
6081	Permits/Fees						
<b>TOTAL</b>			\$629.81	\$73.13	\$77.79	\$1,145.95	<b>\$1,926.68</b>



# General Manager's Report for the Board of Directors Meeting on December 18, 2018

## I. Customer Account Information and Internet Usage

### A. Delinquent Accounts –

- 23 accounts received past-due notice
- 23 accounts received late charges in the total amount of \$416.01
- 7 accounts received door hanger shut off notice
- 1 account was shut off for non-payment
- 1 account remains shut off for non-payment

### B. Aged Receivables –

Month	Current	30 days	60 days	90 days or greater	Total
January	\$41,770.80	\$1,293.38	\$233.37	\$496.86	\$43,794.41
February	\$33,167.69	\$6,413.90	\$269.88	\$230.23	\$40,081.70
March	\$30,908.94	\$2,238.94	\$399.31	\$0.11	\$33,547.30
April	\$25,192.32	\$2,508.02	\$225.08	\$0.00	\$27,925.42
May	\$27,495.43	\$1,856.40	\$45.80	\$0.00	\$29,397.63
June	\$30,129.15	\$1,697.59	\$170.81	\$0.00	\$31,997.55
July	\$34,464.51	\$2,400.95	\$79.26	\$124.90	\$37,069.62
August	\$34,844.21	\$969.39	\$78.10	\$184.82	\$36,076.52
September	\$55,385.63	\$1,993.97	\$129.61	\$143.47	\$57,652.68
October	\$65,266.80	\$2,451.15	\$138.55	\$0.00	\$67,856.50
November	\$36,606.55	\$2,537.56	\$75.82	\$0.00	\$39,219.93
December					

### C. Internet Usage –

Month	Users	Page Views	Online Payments	Online Amount
January	145	413	60	\$17,554.59
February	173	631	62	\$12,719.98
March	175	592	84	\$16,947.45
April	211	534	51	\$9,282.52
May	146	482	60	\$14,244.39
June	203	469	53	\$13,053.28
July	147	350	59	\$13,409.95
August	227	595	60	\$17,688.78
September	161	397	63	\$18,216.22
October	241	558	65	\$18,862.58
November	173	376	63	\$15,364.46
December				
Year to Date	2,002	5,397	680	\$167,344.20

## II. General Manager's Projects and Activities

- A. **KID Rules and Regulations** – Continued project to revise and update this document.
- B. **Public Water Agency Group (PWAG)** – I am on the team preparing for the formalizing the structure of PWAG as a mutual-benefit non-profit corporation.
- C. **Automated Meter Reading** – Continued with the analysis of the best path forward using new technologies to collect data now that Badger has officially announced the discontinuance of current Badger meter endpoint which is used by the KID to collect water meter readings.
- D. **Annual Report** – I completed the report which is being presented at this meeting.
- E. **Activities/Meetings/Webinars/Conferences**

Subject or Organization	Location	Start	End	Purpose/Notes/Action/Benefit
<b>Staff Meetings</b>	Office	Mondays 9:00 AM	Mondays 10:00 AM	<ul style="list-style-type: none"> <li>• Tasks for the week</li> <li>• Projects -- current and future</li> <li>• Safety topic</li> <li>• Customer service update</li> <li>• Operations update</li> <li>• GM update</li> </ul>
<b>FMWD</b>	La Cañada	Mon 11/19/2018 3:00 PM	Mon 11/19/2018 5:00 PM	<ul style="list-style-type: none"> <li>• Regular board meeting</li> </ul>
<b>KID Board Meeting</b>	Office	Tue 11/20/2018 3:00 PM	Tue 11/20/2018 5:00 PM	<ul style="list-style-type: none"> <li>• Regular board meeting</li> </ul>
<b>ACWA and ACWA JPIA Fall Conference</b>	San Diego	Mon 11/26/2018	Fri 11/30/218	See report below

The theme of the ACWA and ACWA JPIA conference was “Investing Today for Water Tomorrow.” Below are the highlights of the conference and the educational sessions that I attended:

- The JPIA Board met on Monday. As previewed to us at the last KID Board Meeting by Andy Sells, the major agenda item was a resolution authorizing the JPIA to establish a captive insurance company domiciled in Utah which would provide insurance or reinsurance coverage for risks of the JPIA and for JPIA member entities as well as a diverse risk transfer mechanism and an investment tool for the long-term reserve fund. The Board voted unanimously to continue with the formation of this entity which would be in place in October 2019.
- ACWA Committee Meetings were held on Tuesday. I attended the Finance Committee Meeting where we discussed the favorable year-to-date results. I also attended a panel on infrastructure financing.
- The opening breakfast featured a keynote address by Karla Nemeth, Director, California Department of Water Resources. The topic was what’s in store for the DWR in 2019.
- Wednesday’s morning sessions included our Region 8 panel on the current state and regulatory oversight of local recycling projects that generate potable water for direct and indirect reuse.
- Wednesday’s afternoon sessions included a panel that highlighted the current operational status and economics of two large-scale desalination plants in Carlsbad and Santa Barbara and what opportunities lie ahead for integrating projects such as these into the water supply portfolio.
- Thursday’s morning sessions included the Finance Committee’s panel on developing reserve policies that are best suited for a District’s operations and capital improvement projects and the methodologies for setting appropriate funding levels.
- Thursday’s afternoon sessions included a look at successful stormwater capture as well as our Region 8 business meeting.
- The conference ended on Friday morning with the 2018 legislative update and a look ahead to 2019.

### III. System and Facility Activities and Incident Reports

#### A. Water Leak/Water Waste/Water Quality/Customer Contact

Location	Type	Date	Description
<b>Barhite Street</b>	Customer Contact	11/2/2018	Customer wanted to know when permanent asphalt would be installed at new service location. Customer was informed that it was scheduled for the following Saturday.
<b>Kinclair Drive</b>	Water Waste	11/5/2018	Customer concerned with water runoff going onto her property. We investigated the source of the water and determined that it was coming from the drain pipe in backyard of a neighbor and was not a system water leak.
<b>Fairpoint Street</b>	Water Leak	11/7/2018	Customer's contractor re-installed meter with no gaskets after doing work on irrigation system.
<b>Clarmeya Lane</b>	Water Leak	11/7/2018	Customer reported water coming up in her yard. We investigated and determined the leak was in our 4-inch steel main in Clarmeya Lane. After not being able to determine the location of the leak, a leak detection company was engaged to locate it. They pinpointed the location and a crew from Perry Thomas assisted us in repairing the leak with a circular clamp.
<b>Fairpoint Street</b>	Water Leak	11/13/2018	Customer was on leak report and requested a check to see if repair solved the problem. No leak.
<b>Clarmeya Lane</b>	Water Leak	11/17/2018	Mel responded to customer after receiving a page from the answering service. He found a leak in the customer's yard that appeared to be coming from the 4-inch steel main running through customer's yard from Clarmeya to Doyne Road. Closing the isolation valves on this loop line did not stop leak because valve on Clarmeya did not fully close. A repair crew was scheduled for the following Monday to dig to the main and to install circular repair clamp. A shutdown of service to four customers was required to facilitate the repair.
<b>Old Grove Road</b>	Water Leak	11/19/2018	Customer reported water coming up through pavement. Perry Thomas crew was scheduled for the next day. Leak was on short piece of polyethylene pipe connecting the copper service line to the PVC main. Replaced with copper.
<b>Ranch Top Road</b>	Customer Contact	11/26/2018	Customer reported meter box full of water. We determined that there was no leak and water was coming from irrigation drainage. We replaced broken meter reading lid.
<b>Kinclair Drive</b>	Water Leak	11/26/2018	Customer was on the leak report and requested leak check. Brian determined that the flow from the leak was periodic, probably from a toilet fill valve.
<b>Hartwood Point</b>	Water Waste/ Customer Contact	11/30/2018	Landscape contractor damaged fire hydrant and caused it to leak. Isolation valve was located after about 30 minutes and flow was stopped. Scheduled repair will be necessary soon. Customer or contractor will reimburse us for the cost of the repair.

**B. Facilities Improvement, Maintenance and Repair Projects**

1. Glen Reservoir chlorinator system replacement project
2. Generator testing and maintenance
3. Operator training
4. Meter and transmitter maintenance and replacement
5. Water samples
6. Fuel generators and add storage preservative to drums
7. Weed clearance and tree trimming at facilities

**C. Water Samples and Test Results**

Sample Date	Source or Distribution	Lab	Description	# of tests	Results*	Maximum Contaminant Level* (MCL)
01/09/18	Source	Weck	Title 22 fluoride	3	1.1-2.8 ppm	3ppm
01/09/18	Source	Weck	Title 22 nitrate	2	<MCL	10ppm
01/09/18	Source	Weck	Title 22 fluoride	2	1.6-2 ppm	3ppm
01/09/18	Source	Weck	Title 22 1,2,3 TCP	4	ND	80ppb
01/09/18	Source	Weck	Title 22 Gross Alpha	1	<MCL	15 pCi/L
01/10/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
01/10/18	Distribution	Clinical	fluoride	6	1.2-1.5 ppm	3ppm
01/10/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
01/23/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
01/31/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
02/01/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
02/06/18	Distribution	Clinical	color, odor, turbidity	6	<MCL	15 units, 3 units, 5 units
02/06/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
02/08/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
02/09/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
02/20/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
03/06/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
03/07/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
03/20/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
04/03/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
04/03/18	Distribution	Clinical	fluoride	6	1.2-1.6 ppm	3ppm
04/03/18	Both	Eurofins	coliform, e. coli	80	ND or A	1 positive sample
04/17/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
04/17/18	Source	Weck	Title 22 VOC	340	ND or A	1 positive sample
04/17/18	Source	Weck	Title 22 fluoride	5	1.2-2.8	3ppm
04/17/18	Source	Weck	Title 22 nitrate	5	0.68-4.5	10ppm
05/01/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
05/02/18	Distribution	Eurofins	coliform, e. coli	16	ND or A	1 positive sample
05/08/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
05/09/18	Distribution	Clinical	color, odor, turbidity	6	<MCL	15 units, 3 units, 5 units
05/22/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
06/05/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
06/06/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
06/19/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
07/10/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
07/10/18	Distribution	Clinical	fluoride	6	1.2-1.6 ppm	3ppm
07/10/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
07/24/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
08/21/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
08/27/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units

08/27/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
09/04/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
09/05/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
09/18/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
09/25/18	Both	Eurofins	coliform, e. coli	8	ND or A	1 positive sample
10/02/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
10/02/18	Distribution	Clinical	fluoride	6	1.2-1.5 ppm	3ppm
10/02/18	Both	Eurofins	coliform, e. coli	72	ND or A	1 positive sample
10/16/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
11/05/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample
11/06/18	Distribution	Clinical	color, odor, turbidity	18	<MCL	15 units, 3 units, 5 units
11/09/18	Both	Eurofins	coliform, e. coli	8	ND or A	1 positive sample
11/19/18	Both	Eurofins	coliform, e. coli	64	ND or A	1 positive sample

Total Tests

2160

\*ppm = parts-per-million, ppb = parts-per-billion, pCi/L = picocuries per liter, <MCL = less than Maximum Contaminant Level, ND = not detected, A = Absence

IV. Water Supply Summary as of October 2018 for the Watermaster Year July 2018 through June 2019

Raymond Basin Groundwater (Acre Feet)		Kinneloa Irrigation District Water Tunnels (Acre Feet)	
Water Rights	516	Eucalyptus	4
Prior Year Carryover	52	Far Mesa	3
Less Temporary 30% Reduction in Water Rights	-155	Delores	0
Leases/Exchanges		House	0
Prior Year Spreading	65	Holly High/Low	3
Short Term Storage	145		
Current Year Spreading	0		
<b>Total Allowable Extractions</b>	<b>623</b>		
Less Water Extracted YTD This Watermaster Year	-320	Current Tunnel Monthly Production	10
<b>Remaining Allowable Groundwater Extractions through June 2019</b>	<b>303</b>	<b>Remaining Estimated Tunnel Production through June 2019</b>	<b>80</b>
<b>Total Available Water Supply (Remaining Allowable Groundwater + Remaining Estimated Tunnel Production through June 2019)</b>		<b>383 Acre Feet</b>	
<b>Less Remaining Forecasted Retail Water Sales through June 2019</b>		<b>340 Acre Feet</b>	

**Surplus Water through June 2019\* 43 Acre Feet**

\* This is the forecasted surplus water available for sale in the current year and/or carryover to the next Watermaster year which starts on July 1 subject to the carryover limits established by the Raymond Basin Management Board. Regarding the available surplus water, we will generally maximize the carryover to the next year and deliver the balance of the forecasted surplus water (if any) to the City of Pasadena. In the 2017-2018 year, 87 Acre-Feet were sold to the City, 52 Acre-Feet were carried over to 2018-2019 and 145 Acre-Feet were put into our short-term storage account. Although we may lease additional pumping rights from another agency with surplus pumping rights, this is not considered a guaranteed source of supply since it is subject to negotiation. In addition to the available water, the KID has 790 Acre Feet in a long-term storage account. Additions to long-term storage are no longer permitted but withdrawals can be made at any time to supplement allowable extractions. However, since long-term storage is considered by KID staff to be an emergency supply we do not plan to use or sell this water now.

# Kinneloa Irrigation District Capital Improvement and Maintenance Projects

Revised December 18, 2018

Project Number	Project Name	Project Description	Estimated Cost	Estimated Completion	Actual Completion	Actual Cost
148	Holly Tanks	Site improvements including: wall, pipe repl., burial, paving and storm drain	750,000			
147	K-3 Well	Repair concrete floor and vault walls; waterproof floor	10,000			
146	Sage Tanks	Repair and waterproof concrete floor	7,500			
145	Reservoir Inspection	Video inspection of concrete reservoirs (every 5-6 years)	10,000			
144	Pump & Motor Maint.	Future - next 7 years - Sage Boosters B1 and B2, K-3 Well, and Wilcox Well	100,000			
143	Water Main Replacement	Various projects identified in Water System Master Plan	2,955,000			
142	Water Meter Replacement	Annual replacement of old meters and radio endpoints	10,000			
141	Holly Tanks	Remove dirt behind Holly-East	4,125			
140	Facility Maintenance	Annual facility painting program	10,000			
139	Facility Maintenance	Annual maintenance of facility driveways (see below for specific project)	10,000			
138	Holly Booster Sta.-Repurpose	Remove pumps, install 4" Cla-val, fittings, valve, meter; reprogram SCADA	20,000			
137	Transfer Valve	Install solar panel, battery and charger for utility power backup	7,000			
136	Reservoir Inspection	Inspection and cleanout of Eucalyptus and Wilcox Reservoirs	5,000			
135	Vosburg Warehouse	Install additional shelving, add anti-slip covers to stairs and other safety items	15,000			
134	Water Treatment	Replace Eucalyptus Cl <sub>2</sub> building and chlorination equipment	7,500			
133	Tank Maintenance	Steel tank maintenance (annually per agreement with Utility Services Co.)	55,890			
132	Facility Maintenance	Remove/replace and widen Office driveway	30,000			
131	Brown Reservoir	Repair leaks due to cracked concrete that is causing root penetration	15,340			
130	Vehicle Replacement	Replace 1996 Chevrolet and 1999 Ford pickups with new pickups and accessory equipment	90,000			
129	Wilcox Reservoir	Replace 50 hp booster (motor and pump) and sandblast and paint pump stand	52,000			
128	SCADA Radios	Replace 17 obsolete radios at all sites and install radio diagnostic program	43,000			
127	AMA Water Meter Test	Advanced Meter Analytics (Hardware/software for cellular data collection test)	5,000			
<b>TOTAL Recommended Projects for 2019 (Subject to available cash reserves, manpower and management resources)</b>			<b>325,730</b>			
<b>TOTAL Projects on the Planning Horizon</b>			<b>4,212,355</b>			
<b>Future Projects    ↑ (Not in priority order)</b>						

<b>Previous Projects ↓ (Includes projects in progress)</b>						
Project Number	Project Name	Project Description	Estimated Cost	Estimated Completion	Actual Completion	Actual Cost
126	Water Treatment	Replace Uniclор units at Glen and Eucalyptus sites	12,000	6/30/2018		
125	Computer Equipment	Purchase Customer Service Computer/Repurpose old computer for operations staff	800	2/1/2018	2/1/2018	794
124	Customer Internet Portal	Upgrade "My Account" customer portal with new features including usage history	5,995	5/1/2018	5/31/2018	5,995
123	Computer Equipment	Replace Customer Billing System Server and Transfer Software	1,400	12/31/2018	1/16/2018	1,367
122	Computer Equipment	Replace obsolete handheld computer and software used for meter reading	12,574	6/30/2018	6/30/2018	12,574
121	SCADA - HMI computer	Upgrade Wonderware; convert SCADA Alarm to Win 911, upgrade reports	30,000	6/30/2017	6/19/2018	29,853
120	High/Low Pressure Tunnel	Repair Flowmeter located at Holly Tanks	4,556	12/31/2017	11/3/2017	4,556
119	Delores Tunnel	Replace/Repair damaged line	7,000	12/31/2017	1/17/2017	5,216
118	Far Mesa Tunnel	Replace area drainpipe, replace valves	15,000	12/31/2017	10/18/2017	25,597
117	Paving Maintenance	Barhite Street (old service trench line)	3,000	6/20/2017	6/20/2017	3,000

## Kinneloa Irrigation District Capital Improvement and Maintenance Projects

Revised December 18, 2018

Project Number	Project Name	Project Description	Estimated Cost	Estimated Completion	Actual Completion	Actual Cost
116	Paving Maintenance	Villa Heights Road (portion in East Tank/West Tank project area)	32,200	1/15/2017	6/20/2017	32,200
115	Water Main Replacement	Sierra Madre Villa Avenue/Barhite Street Pipeline Project (KID portion)	184,245	7/26/2017	6/20/2017	184,245
114	SCADA HMI/Touch Panels	Upgrade Touch Panels - Vosburg Bst. Upgrade and Trending	4,000	12/31/2017	7/1/2017	8,027
113	SCADA HMI/Touch Panels	East Tank /West Tank pumping and Flo-loc operations	5,000	12/31/2016	1/6/2017	7,296
112	SCADA Maint. and Upgrades	SCADA pack replace with SCADA pack 32 at 4 locations	9,000	12/31/2017	1/26/2017	15,212
111	East-West Pipeline	Construction cost	831,000	12/31/2016	4/30/2017	820,741
110	K-3 Well	Install air conditioner on VFD cabinet with disconnect switch and T-stat	7,000	12/31/2016	1/10/2017	6,695
109	Tank Maintenance	Steel tank maintenance (annually per agreement with Utility Services Co.)	52,273	12/31/2017	12/31/2017	52,707
108	Tank Maintenance	Steel tank maintenance (annually per agreement with Utility Services Co.)	49,141	12/31/2016	9/31/2016	49,141
107	Sage Tank	Purchase 72 KVA backup generator & cables for Sage Reservoir	20,000	3/31/2015	7/15/2016	20,465
106	East Tank	Clear dirt from back wall	17,000	12/31/2016	6/13/2016	14,474
105	SCADA Maint./Upgrades	Fairpoint interconnect, Vosburg pump station and other locations	12,000	3/31/2015	12/31/2015	10,722
104	Valve Replacement	Fire hydrant valve and isolation valve on E. Vosburg St.	13,200	3/31/2015	2/4/2015	15,156
103	Valve Replacement	8" mainline valve at Kinneloa Canyon Rd. and Brambling Lane	5,100	3/31/2015	2/19/2015	6,340
102	K-3 Well CI2 Building	Install drain along edge of pad to prevent washout onto customer's property	4,700	12/31/2014	2/4/2015	4,671
101	Vosburg Reservoir	Purchase 72 KVA backup generator & cables for Vosburg Reservoir	20,000	6/17/2015	6/12/2015	19,075
100	Vosburg Pump Station	Replacement pump station and building	1,179,996	6/17/2015	1/21/2016	1,440,117
99	Tank Maintenance	Steel tank maintenance (annually per agreement with Utility Services Co.)	46,316	12/31/2015	12/31/2015	47,092
98	K-3 Well CI2 Building	Install drain along edge of pad to prevent washout onto customer's property	4,700	12/31/2014	postponed	
97	Tank Maintenance	Steel tank maintenance (annually per agreement with Utility Services Co.)	46,316	12/31/2014	12/31/2014	47,092
96	Water Meters	Replacement or repair of production or customer meters	5,000	12/31/2014	10/31/2014	14,415
95	Tools	Valve and pipeline locating equipment	3,000	12/31/2014	10/31/2014	2,626
94	Computer/Office Equipment	Replacement of non-repairable or obsolete equipment	5,000	12/31/2014	10/31/2014	3,339
93	Facility Maintenance	Continuing facility maintenance and upgrades	12,000	12/31/2014	10/31/2014	16,286
92	Facility Electrical/Electronic	Incl. cell repeaters at 3 sites; CI2 time clocks at 3 sites; arc flash compliance	25,000	12/31/2014	10/31/2014	13,496.81
91	Water Treatment	Replace programmable logic controller (PLC) for K-3 CI2 generator	6,000	12/31/2014	10/31/2014	4,807.09
90	SCADA	Replace Sage touch screen; battery status at 6 sites; connect Wilcox AT switch	13,000	12/31/2014	10/31/2014	11,181.04
89	Wilcox Reservoir	Install automatic transfer switch and cleanup electrical panel	10,300	6/31/2014	10/31/2014	8,906.33
88	Valve Testing/Maintenance	Valve/hydrant testing and maintenance agreement - Utility Services Co.	30,000	3/31/2014	10/31/2014	26,290
87	East-West Pipeline	Engineering services - plans & specifications & bid package	25,000	12/31/2014	11/14/2014	39,605
86	Vosburg Pump Station	Engineering services - plans & specifications & bid package	25,000	12/31/2014	12/31/2014	57,568
85	Water Meters/Trans.	Meter and transponder upgrades for radio reading (final phase)	32,000	12/31/2013	8/7/2013	25,226
84	East-West Pipeline	Addendum report to determine segment 3 prior to P&S	20,000	6/30/2013	10/4/2013	21,450
83	Pump & Motor Maint.	Eucalyptus P-2 booster	30,205	3/31/2013	1/31/2013	32,054
82	SCADA Upgrades	Convert PCIC facility to radio-based telemetry system	13,000	6/30/2013	3/11/2013	11,467
81	Vosburg Pump Station	Engineering services to do preliminary design report	14,215	6/30/2012	10/7/2013	7,895
80	Wilcox Well	Replace water depth measuring tube	7,500	6/30/2013	3/22/2013	10,544
79	East-West Pipeline	Final draft of preliminary design report	5,556	7/31/2012	7/31/2012	3,556
78	CI2 Analyzer Upgrade	Add pH and temperature measurement at three additional sites	5,700	12/31/2012	postponed	0

Item 9 - Page 2



# Kinneloa Irrigation District Capital Improvement and Maintenance Projects

Revised December 18, 2018

Project Number	Project Name	Project Description	Estimated Cost	Estimated Completion	Actual Completion	Actual Cost
77	Tank Maintenance	Tank maintenance provided by Utility Services Co. 2005-2013	495,226	per contract	12/31/2013	495,226
76	East Tank Pressure Zone	Valve replacement/additions and pipeline upgrade	17,098	6/30/2011	6/11/2011	17,098
75	K-3 Well VFD	Install Variable Frequency Motor Control	33,600	10/31/2011	11/29/2011	36,028
74	Windover/SMV Pipeline	Pipeline construction	544,300	6/30/2011	9/30/2011	671,612
73	Facility Electrical	On-going electrical work and upgrades at facilities	25,000	12/31/2011	12/1/2011	9,986
72	East-West Pipeline	Preliminary engineering and feasibility study/easements	15,000	12/31/2011	8/30/2011	9,444
71	K-3 Well	Lower pump and install flex motor coupling	15,000	3/31/2011	3/1/2011	12,615
70	SCADA Upgrades	On-going projects	15,000	12/31/2011	5/2/2011	7,604
69	Cl2 Analyzer Upgrade	Add pH and temperature measurement at three additional sites	5,700	12/31/2011	postponed	0
68	Pump & Motor Maint.	Pasadena Glen 25 hp	20,000	6/30/2011	2/1/2011	24,191
67	Pump & Motor Maint.	Wilcox Reservoir 75 hp	15,000	6/30/2010	3/31/2010	15,974
66	Pump & Motor Maint.	Eucalyptus P-1 booster	22,500	12/31/2010	7/14/2010	28,471
65	Cl2 Analyzer Upgrade	Add pH measurement at K-3 (Hi/Lo Tunnel postponed)	5,400	12/31/2010	5/11/2011	1,872
64	Wilcox Tree & Brush	Trim trees and clear brush for fire safety	7,500	6/30/2010	2/3/2010	2,186
63	Windover/SMV Pipeline	Plans and Specifications for replacement pipeline	25,000	12/30/2010	9/30/2010	17,074
62	Water Meters w/trans.	120 meter registers and transponders	21,000	12/31/2010	9/30/2010	33,799
61	SCADA Upgrades	SCADA upgrades at Wilcox, Eucalyptus, Sage and Glen	15,000	12/31/2010	9/30/2010	3,845
60	Wilcox Res. Trans. Switch	Install generator transfer switch at Wilcox Reservoir	8,575	6/30/2010	postponed	0
59	Generator #3	250 KW portable generator for Wilcox Reservoir	45,000	6/30/2010	6/20/2010	40,964
58	Brown Flo-Loc	Install Flo-Loc at Brown Reservoir	15,000	6/30/2010	7/19/2010	14,818
57	Facility SCADA	Install intrusion alarms at additional facilities	10,000	12/31/2009	12/31/2009	10,931
56	Facility Electrical	Electrical work and upgrades at facilities	22,125	12/31/2009	12/31/2009	6,424
55	Water Meters w/trans.	Water meter replacement	20,000	12/31/2009	7/31/2009	20,148
54	Generator #2	50 KW portable generator for Office	20,000	3/31/2009	2/5/2009	19,594
53	Office Trans. Switch	Install generator transfer switch at Office	5,824	3/31/2009	4/21/2009	5,420
52	Facilities	Protective sealer for reservoir roofs/Facility maintenance	30,000	9/30/2009	8/31/2009	29,055
51	Mesa Pipeline Const.	Install replacement mains per Master Plan	568,500	6/30/2009	7/31/2009	401,538
50	Ranch Top Interconnect	Joint emergency interconnect project with Pasadena	10,000	7/31/2008	7/31/2008	0
49	Fairpoint Interconnect	Joint emergency interconnect project with Pasadena	50,000	6/30/2008	6/9/2008	50,367
48	Generator #1	50 KW portable generator for Glen Reservoir	20,000	8/31/2008	6/9/2008	19,257
47	Truck Replacement	Replace '89 truck with 1 ton with service body and lift gate	50,000	8/31/2008	9/16/2008	46,362
46	Brown SCADA	Install SCADA at Brown Reservoir	12,000	6/30/2008	6/9/2008	12,434
45	SCADA Software	Upgrade SCADA software to current version	15,000	6/30/2008	6/9/2008	14,753
44	Glen Transfer Switch	Install generator transfer switch at Glen Reservoir	8,065	3/31/2008	6/24/2008	10,665
43	Brown SCADA	Add solar power and SCADA to Brown Reservoir	12,000	6/30/2008	6/9/2008	12,434
42	Remote Meter Read	Purchase 60 transponders & registers	12,000	3/31/2008	2/18/2008	12,027
41	Fairpoint Interconnect	Joint emergency interconnect project with City of Pasadena	50,000	6/30/2008	6/9/2008	50,367
40	Villa Knolls Pipeline	Replace PVC main and 5 service connections	20,000	11/30/2008	11/17/2008	20,708
39	Truck Replacement	Replace '92 truck with 1 ton with service body	43,000	12/31/2008	12/16/2008	44,948

Item 9 - Page 3

## Kinneloa Irrigation District Capital Improvement and Maintenance Projects

Revised December 18, 2018

Project Number	Project Name	Project Description	Estimated Cost	Estimated Completion	Actual Completion	Actual Cost
38	Holly Clortec	Replace Uniclор with Clortec and add SCADA alarms	13,000	3/31/2008	3/5/2008	13,845
37	Mesa Pipeline Eng.	Engineer replacement pipeline for Kinneloa Mesa	30,000	3/31/2008	11/18/2008	20,000
36	New York Main	K-3 to Wilcox Reservoir pipeline	178,570	12/31/2007	1/25/2008	142,399
35	Office Maintenance	Replace office roof	20,000	6/30/2007	5/8/2007	6,480
34	House Tunnel	Repair tunnel line	61,505	6/30/2007	3/31/2007	842
33	Hi/Low Pressure Tunnel	Repair tunnel line and tunnel entrance	220,491	6/30/2007	9/1/2007	911
32	Flo-Loc	Valve and electrical installation - Holly, East Eucalyptus, Vosburg	118,000	12/31/2007	7/27/2007	137,801
31	Facility Electrical	East Tank utility power project	20,000	6/30/2007	6/15/2007	18,188
30	Chlorine Analyzers	K-3, Wilcox and Eucalyptus installations	15,000	6/30/2007	6/21/2007	23,998
29	Tank and Reservoir Maint.	Tank and Reservoir maintenance	150,000	12/31/2006	12/31/2006	150,296
28	SCADA	SCADA upgrades	25,000	12/31/2006	12/31/2006	16,435
27	Pump Maintenance	Vosburg Booster repair	25,000	12/31/2006	12/31/2006	12,590
26	Facility Maintenance	Facility Maintenance	25,000	12/31/2006	12/31/2006	7,998
25	Electrical/Electronic Equip.	Electrical upgrades	25,000	12/31/2006	12/31/2006	18,595
24	Water Meters	Replacement meters	10,000	12/31/2006	12/31/2006	3,867
23	Water Treatment	Replace Cl2 generators at two locations	25,000	12/31/2006	12/31/2006	13,009
22	Tunnels	Repairs on House and High/Low Pressure Tunnel Lines	98,433	12/31/2006	12/31/2006	98,433
21	Mains	Mains	45,000	12/31/2006	12/31/2006	2,788
20	Tank and Reservoir Maint.	Tank and Reservoir maintenance	29,456	12/31/2005	12/31/2005	29,456
19	SCADA	SCADA upgrades	710	12/31/2005	12/31/2005	710
18	Computer/Office Equip.	Replacement server and software upgrades at multiple computers	2,708	12/31/2005	12/31/2005	2,708
17	Water Meters	Replacement meters	510	12/31/2005	12/31/2005	510
16	K-3 Well	K-3 well pump repair	58,595	12/31/2005	12/31/2005	58,595
15	Mains	Mains	12,933	12/31/2005	12/31/2005	12,933
14	Tank and Reservoir Maint.	Holly Tanks recoating and valve repair	145,000	12/31/2004	12/31/2004	180,804
13	Water Meters	Replacement meters	5,336	12/31/2004	12/31/2004	5,336
12	Mains	K-3 pipeline replacement	363,421	12/31/2004	12/31/2004	363,421
11	Tank and Reservoir Maint.	Tanks and Reservoirs - Holly Tanks	53,514	12/31/2003	12/31/2003	53,514
10	SCADA	SCADA upgrades	38,098	12/31/2003	12/31/2003	38,098
9	Pump Maintenance	Eucalyptus Booster	61,851	12/31/2003	12/31/2003	61,851
8	Water Treatment	Cl2 generator maintenance	23,828	12/31/2003	12/31/2003	23,828
7	Tunnels	Tunnel maintenance	30,180	12/31/2003	12/31/2003	30,180
6	Mains	K-3 pipeline replacement	131,433	12/31/2003	12/31/2003	131,433
5	Mains	K-3 pipeline replacement	33,555	12/31/2002	12/31/2002	33,555
4	Tank and Reservoir Maint.	Tanks and Reservoirs	5,171	12/31/2002	12/31/2002	5,171
3	SCADA	SCADA upgrades	53,905	12/31/2002	12/31/2002	53,905
2	Pump Maintenance	Eucalyptus Booster	1,500	12/31/2002	12/31/2002	1,500
1	Electrical/Electronic Equip.	Electrical upgrades	5,900	12/31/2002	12/31/2002	5,900
<b>TOTAL Estimated Cost and Actual Cost - Previous Projects and Projects in Progress</b>			<b>7,430,004</b>			<b>7,213,252</b>