

AGENDA

**ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT
Monday, May 9, 2011 – 8:30 a.m.
1960 La Costa Avenue, Carlsbad, CA 92009**

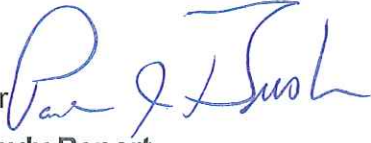
1. **Call to Order**
2. **Roll Call**
3. **Public Comment**
4. **Old Business**

None.
5. **New Business**
 - A. Receive and file the Evaluation of Remaining Service Life of B2 and B3 Force Mains Report completed by Infrastructure Engineering Corporation.
(Pages 1 – 2, Enclosure 1)
 - B. Final Fiscal Year 2012 (FY12) Capital Budget Review. (Pages 3 - 8)
6. **Information Items**

None.
7. **Director's Comments**
8. **General Manager's Comments**
9. **Adjournment**

MEMORANDUM

Ref: 11-2883

DATE: May 5, 2011
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Force Main Study Corrosion Study Report

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Receive and file the Evaluation of Remaining Service Life of B2 and B3 Force Mains Report completed by Infrastructure Engineering Corporation.
2. Discuss and take other action as appropriate.

DISCUSSION:

L.H. Woods (Woods) commenced construction on the Batiquitos Force Main Repair Project on November 2, 2010. By design, each replacement polyvinyl chloride (PVC) pipe connected to its associated ductile iron pipe (DIP) force main at approximately 380 feet north of the San Marcos Creek Bridge. The project required that Woods allow the District to conduct an internal and external corrosion evaluation of each DIP force main at the point of connection. Based upon the condition of the DIP, a decision would be made on whether to continue force main replacement upstream, to the north along Highway 101. The assessments completed by RFYeager Engineering (Yeager) determined that the DIP force mains at the point of connection had no appreciable metal loss due to internal or external corrosion. Therefore, further force main pipe replacement was not required. Additionally, this assessment served as an evaluation point to help determine the condition of the Batiquitos Force Mains.

During construction, the District was notified of the construction of a Hilton Hotel at the northern end of Ponto Drive. The hotel plans included landscaping and hardscape, such as a fire lane and sidewalk, over the alignment of the Batiquitos Force Mains. Staff decided that it would be prudent to obtain samples of the force main in the construction area for pipeline condition assessment. If the force mains were in poor condition, their replacement would be coordinated with hotel construction. The goal was to have those sections of the force mains replaced, if necessary, prior to completion of the Hilton project. The samples were excavated and removed by Woods. The corrosion evaluation was completed by Yeager. The results and data from the evaluation were used as additional information for force main condition assessment.

Infrastructure Engineering Corporation (IEC) was tasked to consolidate and evaluate the results of the Yeager assessments, evaluate the remaining service life of the force mains and provide recommendations. IEC has completed their evaluation, provided for your review as Enclosure (1), with the following conclusions and recommendations:

- Internal crown corrosion and associated calculations on the samples from the Hilton construction area suggests an estimated remaining useful service life of 12 years for B2 and 14 years for B3.
- The estimated remaining useful service life for B2 and B3 may be extended based on results of ultrasonic testing to confirm rate of corrosion in 5 years.
- Recommend the following locations for ultrasonic test stations for B2 and B3 (referenced to the original record drawings).

Force Main	High Point	Hilton Testing Site	Location of greatest corrosion per CCTV
B2	33+50	55+00	48+50
B3	34+35	52+00	50+00

- Proceed with the cathodic protection as outlined in the previous RFYeager Engineering report "Force Main External Corrosion Control Evaluation for L1, L2, B2, & B3" dated May 2010. (Note: Funds have been appropriated in the Fiscal Year 2012 budget to complete this work)

Robert Weber and Jamie Taylor, IEC, will attend the Engineering Committee and May Board meetings to present the conclusions and recommendations of the study.

rym:PJB

Enclosure

MEMORANDUM

DATE: May 5, 2011
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Final Fiscal Year 2012 (FY 12) Capital Budget Review

RECOMMENDATION:

This item is presented for information purposes.

DISCUSSION:

As directed by the Board of Directors, the Engineering Committee reviews and discusses the proposed capital budget in an effort to develop a recommendation for consideration by the Board. This budget was initially reviewed at the committee's April 7, 2011 meeting.

Attached please find a copy of the revised Draft FY 12 Capital Budget. The capital budget has been broken out into the Capital Acquisition Program (capital purchases) and the Capital Improvement Program (infrastructure construction projects and improvements).

The Capital Acquisition Program is comprised of three components, the Wastewater (LWD Facilities) Enterprise, the Wastewater (Batiqitos Facilities) Enterprise and the Recycled Water Enterprise. It is unchanged from the previously reviewed draft budget. The proposed Wastewater (LWD Facilities) Enterprise Capital Acquisition Budget is \$59,000; the Wastewater (Batiqitos Facilities) Enterprise Capital Acquisition Budget is \$9,000 the Recycled Water Enterprise Capital Acquisition budget is \$18,000. Combined, the total Capital Acquisition Program budget is \$86,000.

The Capital Improvement Program budget is comprised of the Wastewater Enterprise and Recycled Water Enterprise. For FY 12, a total of \$5,935,703 has been budgeted for wastewater infrastructure repair and improvement projects. For the Recycled Water Enterprise, \$30,000 has been budgeted for the North San Diego County Regional Recycled Water Project. Therefore, the total Capital Improvement Program budget is \$5,965,703. This is an increase of \$1,453,703 from the \$4,512,000 presented in the draft budget in April. Changes include a reduction of \$1,000,000 from the Batiqitos Pump Station Rehabilitation Project and an addition of \$125,000 for the Force Main Corrosion Project. Staff has directed Infrastructure Engineering Corporation to remove the currently designed bypass piping and value engineer the Batiqitos Pump Station Rehabilitation project for an estimated savings of \$1 Million. An error in the projected remaining appropriations for the Force Main Corrosion Project required the addition of \$125,000 to cover FY12 estimated construction costs. Additional changes are a \$2,032,740 appropriation for the Encina Wastewater Authority capital programs and adding the projected District's Capital Program for Direct and Indirect Labor cost of \$295,963.

Staff will provide an overview presentation of the revisions to the Capital Budget at the committee meeting. Staff will incorporate any amendments, feedback, or suggestions by the Committee into the budget document and work towards finalizing the Capital Budget.

rym:PJB

Attachments

LEUCADIA WASTEWATER DISTRICT							
CAPITAL IMPROVEMENT PROGRAM APPROPRIATIONS SUMMARY							
FISCAL YEAR 2012							
Location Code	PROJECTS	1 Prior Appropriations	2 Projected Cumulative Expenditures	3 Projected Remaining Appropriations =(1-2)	4 Projected Carryover	5 FY 2012 Appropriation	6 Projected Remaining Appropriation =(4+5)
329	<i>Leucadia Multi-year CIP:</i>						
330	Occidental Line/Manhole Repair	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ 260,000	\$ 260,000
	Lanikai Line Repair	\$ -	\$ -	\$ -	\$ -	\$ 172,000	\$ 172,000
	Leucadia CIP Total:	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ 432,000	\$ 432,000
328	<i>Recycled Water Program:</i>						
	North SD County Regional Recycled Water Project	\$ 30,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 30,000	\$ 40,000
	Recycled Water Program Total:	\$ 30,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 30,000	\$ 40,000
326	<i>Asset Management Program:</i>						
331	Batiqitos Pump Station Rehabilitation	\$ 670,000	\$ 294,550	\$ 375,450	\$ 375,450	\$ 2,616,500	\$ 2,991,950
332	Leucadia Pump Station Generator Replacement	\$ -	\$ -	\$ -	\$ -	\$ 26,000	\$ 26,000
333	La Costa Pump Station Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
334	Force Main Corrosion Project	\$ 1,572,900	\$ 1,572,900	\$ -	\$ -	\$ 244,500	\$ 244,500
335	Gravity Pipeline Repair/Replacement	\$ 110,000	\$ 95,000	\$ 15,000	\$ 15,000	\$ -	\$ 15,000
	Asset Management Plan Update	\$ -	\$ -	\$ -	\$ -	\$ 93,000	\$ 93,000
	Asset Management Program Total:	\$ 2,352,900	\$ 1,962,450	\$ 390,450	\$ 390,450	\$ 3,030,000	\$ 3,420,450
077	<i>Leucadia Ongoing Rehabilitation:</i>						
323	Miscellaneous Pipeline Rehabilitation	\$ 100,000	\$ 85,000	\$ 15,000	n/a	\$ 100,000	\$ 100,000
	Lateral Replacement / Backflow Preventer Program	\$ 100,000	\$ 48,000	\$ 52,000	n/a	\$ 100,000	\$ 100,000
	Leucadia Rehab Total:	\$ 200,000	\$ 133,000	\$ 67,000	n/a	\$ 200,000	\$ 200,000
072	<i>Encina Wastewater Authority:</i>						
	Capital Improvement Projects	\$ 8,323,733	\$ 7,104,488	\$ 1,219,245	\$ 1,219,245	\$ 1,714,166	\$ 2,933,411
	Planned Asset Replacement	\$ 234,453	\$ 234,000	\$ 453	n/a	\$ 236,972	\$ 236,972
	Capital Acquisitions	\$ 127,580	\$ 127,000	\$ 580	n/a	\$ 81,602	\$ 81,602
	EWA Capital Program Total	\$ 8,685,766	\$ 7,465,488	\$ 1,220,278	\$ 1,219,245	\$ 2,032,740	\$ 3,251,985
302	General Professional Services					\$ 20,000	\$ 20,000
499	Indirect LWD Labor					\$ 220,963	\$ 220,963
	CAPITAL PROGRAM TOTAL	\$ 11,288,666	\$ 9,600,938	\$ 1,687,728	\$ 1,619,695	\$ 5,965,703	\$ 7,585,398

**LEUCADIA WASTEWATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM BUDGET
FISCAL YEAR 2012**

Description	FY 11 Budget	FY 12 Budget	Cost Allocation	
			Growth	Replacement
Leucadia Multi-year Projects				
Occidental Line / Manhole Repair (329)				
Direct Labor	50-51-329-4110	\$ -	\$ 10,000	\$ - \$ 10,000
Administrative Labor Overhead Allocation	50-51-329-4299	\$ -	\$ -	\$ - \$ -
Design	50-51-329-5211	\$ -	\$ 15,000	\$ - \$ 15,000
Office Engineering	50-51-329-5211	\$ -	\$ 10,000	\$ - \$ 10,000
Construction Management	50-51-329-5212	\$ -	\$ 15,000	\$ - \$ 15,000
District Engineering Services	50-51-329-5213	\$ 20,000	\$ 10,000	\$ - \$ 10,000
Permitting/Environmental	50-51-329-5214	\$ -	\$ 4,000	\$ - \$ 4,000
Public Outreach	50-51-329-5216	\$ -	\$ -	\$ - \$ -
Construction	50-51-329-6499	\$ -	\$ 196,000	\$ - \$ 196,000
Total Occidental Line/Manhole Repair		\$ 20,000	\$ 260,000	\$ - \$ 260,000
Lanikai Line Repair (330)				
Direct Labor	50-51-330-4110	\$ -	\$ 7,000	\$ - \$ 7,000
Administrative Labor Overhead Allocation	50-51-330-4299	\$ -	\$ -	\$ - \$ -
Design	50-51-330-5211	\$ -	\$ 40,000	\$ - \$ 40,000
Office Engineering	50-51-330-5211	\$ -	\$ -	\$ - \$ -
Construction Management	50-51-330-5212	\$ -	\$ -	\$ - \$ -
District Engineering Services	50-51-330-5213	\$ -	\$ 5,000	\$ - \$ 5,000
Permitting/Environmental	50-51-330-5214	\$ -	\$ 20,000	\$ - \$ 20,000
Public Outreach	50-51-330-5216	\$ -	\$ -	\$ - \$ -
Construction	50-51-330-6499	\$ -	\$ 100,000	\$ - \$ 100,000
Total Lanikai Line Repair		\$ -	\$ 172,000	\$ - \$ 172,000
Recycled Water Program				
North SD County Regional RW Project (NSDCRRWP) (328)				
Title XVI Funding Effort	50-51-328-5211	\$ 15,000	\$ 15,000	\$ - \$ 15,000
Design	50-51-328-5211	\$ 15,000	\$ 5,000	\$ - \$ 5,000
District Engineering Services	50-51-328-5213	\$ -	\$ 10,000	\$ - \$ 10,000
Total NSDCRRWP		\$ 30,000	\$ 30,000	\$ - \$ 30,000
Asset Management Program				
Batiquitos Pump Station Rehabilitation (326)				
Direct Labor	50-51-326-4110	\$ -	\$ 50,000	\$ - \$ 50,000
Administrative Labor Overhead Allocation	50-51-326-4299	\$ -	\$ -	\$ - \$ -
Design	50-51-326-5211	\$ 80,000	\$ 131,500	\$ - \$ 131,500
Office Engineering	50-51-326-5211	\$ -	\$ 175,000	\$ - \$ 175,000
Construction Management	50-51-326-5212	\$ -	\$ 245,000	\$ - \$ 245,000
District Engineering Services	50-51-326-5213	\$ -	\$ 5,000	\$ - \$ 5,000
Permitting / Environmental	50-51-326-5214	\$ 80,000	\$ -	\$ - \$ -
Public Outreach	50-51-326-5216	\$ -	\$ -	\$ - \$ -
Construction	50-51-326-6499	\$ 450,000	\$ 2,010,000	\$ - \$ 2,010,000
Total Batiquitos Pump Station Rehabilitation		\$ 610,000	\$ 2,616,500	\$ - \$ 2,616,500

**LEUCADIA WASTEWATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM BUDGET
FISCAL YEAR 2012**

Description		FY 11 Budget	FY 12 Budget	Cost Allocation	
				Growth	Replacement
Leucadia Pump Station Generator Replacement (331)					
Direct Labor	50-51-331-4110	\$ -	\$ 5,000	\$ -	\$ 5,000
Administrative Labor Overhead Allocation	50-51-331-4299	\$ -	\$ -	\$ -	\$ -
Design	50-51-331-5211	\$ -	\$ 21,000	\$ -	\$ 21,000
Office Engineering	50-51-331-5211	\$ -	\$ -	\$ -	\$ -
Construction Management	50-51-331-5212	\$ -	\$ -	\$ -	\$ -
District Engineering Services	50-51-331-5213	\$ -	\$ -	\$ -	\$ -
Permitting/Environmental	50-51-331-5214	\$ -	\$ -	\$ -	\$ -
Public Outreach	50-51-331-5216	\$ -	\$ -	\$ -	\$ -
Construction	50-51-331-6499	\$ -	\$ -	\$ -	\$ -
Total LPS Generator Replacement		\$ -	\$ 26,000	\$ -	\$ 26,000
La Costa Pump Station Rehabilitation (332)					
Direct Labor	50-51-332-4110	\$ -	\$ 5,000	\$ -	\$ 5,000
Administrative Labor Overhead Allocation	50-51-332-4299	\$ -	\$ -	\$ -	\$ -
Design	50-51-332-5211	\$ -	\$ 45,000	\$ -	\$ 45,000
Office Engineering	50-51-332-5211	\$ -	\$ -	\$ -	\$ -
Construction Management	50-51-332-5212	\$ -	\$ -	\$ -	\$ -
District Engineering Services	50-51-332-5213	\$ -	\$ -	\$ -	\$ -
Permitting/Environmental	50-51-332-5214	\$ -	\$ -	\$ -	\$ -
Public Outreach	50-51-332-5216	\$ -	\$ -	\$ -	\$ -
Construction	50-51-332-6499	\$ -	\$ -	\$ -	\$ -
Total LaCosta PS Rehab		\$ -	\$ 50,000	\$ -	\$ 50,000
Force Main Corrosion Project (333)					
Direct Labor	50-51-333-4110	\$ -	\$ 10,000	\$ 3,333	\$ 6,667
Administrative Labor Overhead Allocation	50-51-333-4299	\$ -	\$ -	\$ -	\$ -
Consultant Engineering Services-Design	50-51-333-5211	\$ -	\$ 16,500	\$ 5,500	\$ 11,000
Consultant Engineering Services-Study	50-51-333-5211	\$ -	\$ -	\$ -	\$ -
Office Engineering	50-51-333-5211	\$ 14,200	\$ 16,500	\$ 5,500	\$ 11,000
Construction Management	50-51-333-5212	\$ 30,300	\$ 16,500	\$ 5,500	\$ 11,000
District Engineering Services	50-51-333-5213	\$ -	\$ 10,000	\$ 3,333	\$ 6,667
Permitting/Environmental	50-51-333-5214	\$ 10,100	\$ -	\$ -	\$ -
Public Outreach	50-51-333-5216	\$ -	\$ -	\$ -	\$ -
Construction	50-51-333-6499	\$ 1,208,300	\$ 175,000	\$ 58,333	\$ 116,667
Total Force Main Corrosion Project		\$ 1,262,900	\$ 244,500	\$ 81,499	\$ 163,001
Gravity Pipeline Repair/Replacement (334)					
Direct Labor	50-51-334-4110	\$ -	\$ -	\$ -	\$ -
Administrative Labor Overhead Allocation	50-51-334-4299	\$ -	\$ -	\$ -	\$ -
Design	50-51-334-5211	\$ -	\$ -	\$ -	\$ -
Office Engineering	50-51-334-5211	\$ 7,500	\$ -	\$ -	\$ -
Construction Management	50-51-334-5212	\$ 11,000	\$ -	\$ -	\$ -
District Engineering Services	50-51-334-5213	\$ -	\$ -	\$ -	\$ -
Permitting / Environmental	50-51-334-5214	\$ 7,500	\$ -	\$ -	\$ -
Public Outreach	50-51-334-5216	\$ -	\$ -	\$ -	\$ -
Construction	50-51-334-6499	\$ 84,000	\$ -	\$ -	\$ -
Total Gravity Pipeline Repair/Replacement		\$ 110,000	\$ -	\$ -	\$ -

**LEUCADIA WASTEWATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM BUDGET
FISCAL YEAR 2012**

Description		FY 11 Budget	FY 12 Budget	Cost Allocation Growth	Replacement
Asset Management Plan Update (335)					
Direct Labor	50-51-318-4110	\$ -	\$ 3,000	\$ -	\$ 3,000
Administrative Labor Overhead Allocation	50-51-318-4299	\$ -	\$ -	\$ -	\$ -
Engineering Consulting Services	50-51-318-5211	\$ -	\$ 85,000	\$ -	\$ 85,000
District Engineering Services	50-51-318-5213	\$ -	\$ 5,000	\$ -	\$ 5,000
Total Asset Management Plan Update		\$ -	\$ 93,000	\$ -	\$ 93,000
Leucadia Ongoing Rehabilitation					
Misc Pipeline/Manhole Repair (077)					
Direct Labor	50-51-077-4110	\$ -	\$ -	\$ -	\$ -
Design	50-51-077-5211	\$ -	\$ -	\$ -	\$ -
Construction Management	50-51-077-5212	\$ -	\$ -	\$ -	\$ -
Environmental	50-51-077-5214	\$ -	\$ -	\$ -	\$ -
Public Outreach	50-51-077-5216	\$ -	\$ -	\$ -	\$ -
Construction	50-51-077-6499	\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Total Misc Pipeline/Manhole Repair		\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Lateral Replacement / Backflow Preventer Program (323)					
Direct Labor	50-51-323-4110	\$ -	\$ -	\$ -	\$ -
Program costs	50-51-323-6499	\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Total Lateral / Backflow Program		\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Encina Wastewater Authority					
EWA Capital Program (072)					
<i>EWA Capital Projects:</i>					
District Labor	50-51-072-4110	\$ -	\$ 5,000.00	\$ -	\$ 5,000
CIP Expenses	50-51-072-6420	\$ 989,457	\$ 1,709,166	\$ -	\$ 1,709,166
Administrative Labor O/H	50-51-072-4299	\$ -	\$ -	\$ -	\$ -
		\$ 989,457	\$ 1,714,166		
<i>EWA Planned Asset Replacement</i>					
Planned Asset Replacement	50-51-072-6420	\$ 234,453	\$ 236,972	\$ -	\$ 236,972
Prof Engineering Services	50-51-072-6420	\$ -	\$ -	\$ -	\$ -
EWA Labor	50-51-072-6420	\$ -	\$ -	\$ -	\$ -
		\$ 234,453.00	\$ 236,972		
<i>Capital Acquisitions</i>					
	50-51-072-6420	\$ 127,580	\$ 81,602	\$ -	\$ 81,602
Total EWA Capital Program		\$ 1,351,490	\$ 2,032,740	\$ -	\$ 2,032,740
Professional Services (302)					
District Engineering Services	50-51-302-5213	\$ 65,000	\$ 20,000	\$ -	\$ 20,000
Total General Professional Services		\$ 65,000	\$ 20,000	\$ -	\$ 20,000
LWD Labor (499)					
Direct Labor	50-51-499-4110	\$ 224,100	\$ 96,196	\$ -	\$ 96,196
Administration Labor	50-51-499-6995	\$ 104,622	\$ 124,767	\$ -	\$ 124,767
Total Indirect LWD Labor		\$ 328,722	\$ 220,963	\$ -	\$ 220,963
TOTAL CIP PROGRAM		\$ 3,978,112	\$ 5,965,703	\$ 81,499	\$ 5,884,204

**Leucadia Wastewater District
Fiscal Year 2012 Capital Budget
Capital Acquisition Expense Detail**

Acct #		<u>FY 11 Budget</u>	<u>FY 11 Projected</u>	<u>FY 12 Budget</u>	<u>% Change Proj to Bud</u>
<u>6300 Capital Acquisition</u>					
<i>Wastewater (LWD Facilities)</i>					
50-99-000	6310 Vehicle Acquisition				
	Utility Vehicles	\$ 50,000	\$ 50,000	\$ -	-100%
	Subtotal Vehicle Acquisition	\$ 50,000	\$ 50,000	\$ -	-100%
50-99-000	6350 Sewer Maintenance Equipment				
	Replace CCTV Equipment	\$ 34,000	\$ 23,000	\$ 12,000	-48%
	Inflow Domes/Riser Rings/Seals/Air Vacs	\$ 30,000	\$ 30,000	\$ 30,000	0%
	Subtotal Sewer Maint Equipment	\$ 64,000	\$ 53,000	\$ 42,000	-21%
50-99-000	6360 Office Equipment				
	Replace Computers	\$ 19,000	\$ 17,000	\$ -	-100%
	IS Network Upgrades	\$ 6,000	\$ 8,000	\$ -	-100%
	Subtotal Office Equipment	\$ 25,000	\$ 25,000	\$ -	-100%
50-99-000	6380 Pump Station Equipment				
	Replace SCADA Equipment	\$ 4,000	\$ 4,000	\$ -	-100%
	Refurbish Pump Seals	\$ -	\$ -	\$ 12,000	100%
	Smart Cover	\$ -	\$ -	\$ 5,000	100%
	Replace Odalogs	\$ 12,000	\$ -	\$ -	0%
	Subtotal Pump Station Equipment	\$ 16,000	\$ 4,000	\$ 17,000	325%
<i>Wastewater (Batiqitos Facilities)</i>					
50-99-022	6380 Pump Station Equipment				
	Replace SCADA Equipment	\$ 4,000	\$ 4,000	\$ -	-100%
	Replace Alarm Telemetry	\$ -	\$ -	\$ 9,000	100%
	Subtotal Pump Station Equipment	\$ 4,000	\$ 4,000	\$ 9,000	100%
<i>Recycled Water</i>					
50-99-019	6390 AWT Equipment				
	Repaint AWT	\$ 15,000	\$ 15,000	\$ -	-100%
	Replace SCADA Equipment	\$ 4,000	\$ 4,000	\$ -	-100%
	Replace RW Delivery Pumps	\$ 15,000	\$ 11,000	\$ -	-100%
	Replace Alarm Telemetry (EEPS)	\$ -	\$ -	\$ 9,000	100%
	Planned Equipment Replacement	\$ -	\$ -	\$ 9,000	100%
	Subtotal AWT Equipment	\$ 34,000	\$ 30,000	\$ 18,000	-40%
	Total Capital Acquisitions	<u>\$ 193,000</u>	<u>\$ 166,000</u>	<u>\$ 86,000</u>	-48%