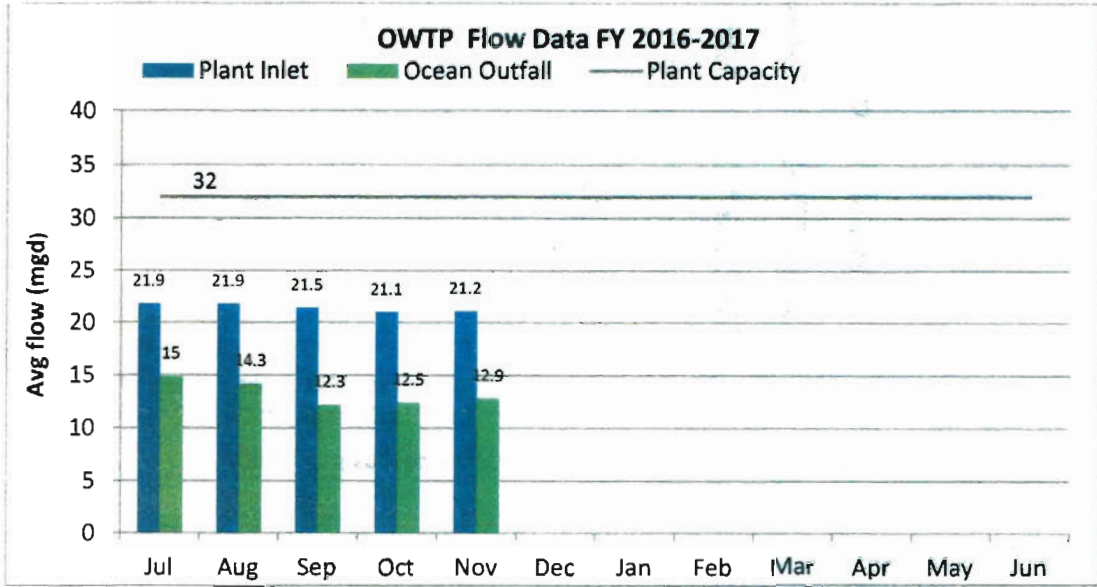


Monthly Operations and Maintenance Report

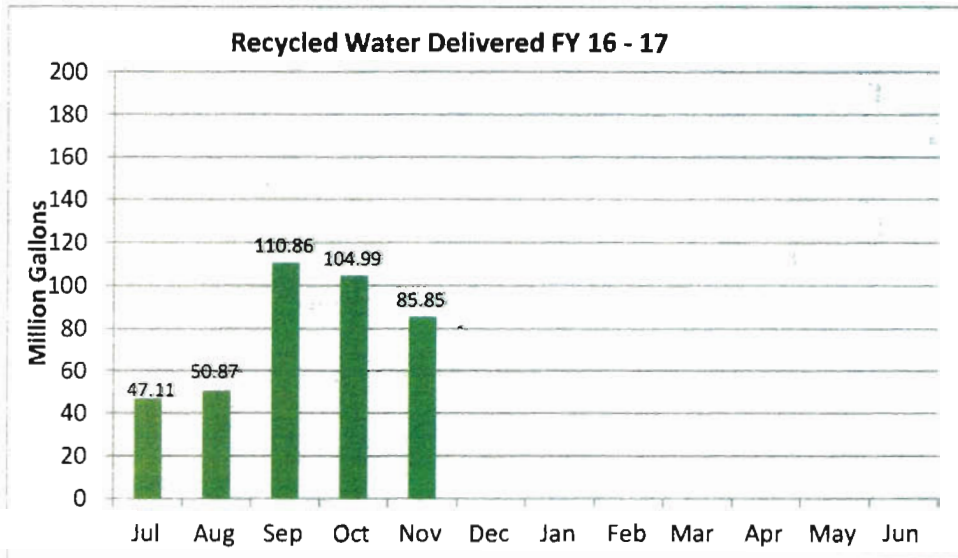
November 2016

Figure 1



Provide treated secondary effluent to Advanced Water Purification Facility (AWPF) for recycled water treatment.

Figure 2



	Acre feet	Cum
7/Jul	144.55	144.55
Aug	156.09	300.64
Sep	340.17	640.81
Oct	322.20	963.01
Nov	263.42	1226.43
Dec		
Jan		
Feb		
Mar		
Apr		
May		
Jun		

This graph illustrates monthly total volumes of recycled water delivered. Due to the recent wet weather events in November, the recycled water demand less than September and October.

4.2 Below-ground Vulnerability

The useful life of pipes varies based on several factors other than pipe age and material, but these other factors are often difficult to quantify. Other factors affecting pipe failures include:

- Pipe bedding that is substandard.
- Loading from traffic above pipes in the street.
- High groundwater levels.
- Freeze and thaw action of surrounding soils.
- Soil conditions and corrosivity.
- Construction methods, primarily poor quality work.
- Pipe lining issues.
- Level of and need for cathodic protection.
- Operating beyond recommended limitations of material.

Given the complexity of pipe failure prediction, age is typically used as an indicator of condition and therefore remaining useful life. Table 10 shows the reported original useful life expectancies of different pipe materials and the value chosen for input into the desktop evaluation model.

4.2.1 Desktop Evaluation

The desktop evaluation relied on GIS data of the Oxnard collection system. Installation year was not available for 206 of the 263 segments for sewer force mains and 7123 of the 8686 segments for sewer gravity mains. Thus collectively only 18 percent of the collection system piping had a known installation year. Figure 5 shows a map of the collection system assets for which installation year was not indicated.

For the purpose of the analysis, an installation year of 1965 was assumed for these pipes, based on data conservative estimate of development in the area. Figure 6 shows the estimated vulnerability within the collection system based on this assumption.

4.2.2 Collection System Cathodic Protection Findings

As noted in Section 3.2.3, a cathodic protection system evaluation was conducted and is presented in a separate report titled Asset Corrosion Assessment and CP Evaluation Survey, dated September 2014. This study includes findings on soil corrosivity applicable to the collection system evaluation. The soil corrosivity study included in situ conductivity measurements at multiple locations throughout the City, as well as twelve soil samples collected and analyzed in a certified laboratory. The findings of the corrosivity study were that the soil conditions range from "Corrosive" to "Severely Corrosive." These conditions place a stronger emphasis on the need for working cathodic protection systems as well as protective coatings.

sufficient capital reserves to prepare for a major capital improvement program, five to ten years hence.

The City's Capital Improvement Plan (CIP) forecasts required investments through 2040 totaling nearly \$675 million. Of that total approximately 515 million will be spent at the OWTP and 158 million will be required for the collection system. Nearly 36% of the CIP is scheduled for implementation between FY 2015/16 through FY 2024/25, and includes \$184 million for Treatment System Repair and Renewal (R&R), \$32.1 million for System Performance Improvements, \$1.5 million for Small Equipment Replacement, \$3.75 million for Resource Sustainability, and \$21.75 million for Collection System R&R.

Table 3.2.6 presents these capital investments by fiscal year. They are illustrated in Figure 3.2.3. A detailed analysis of the City's CIP is included in the City's Integrated Public Works Master Plan.

**Table 3.2.6 Wastewater Utility CIP Requirements (\$ thousands)
FY 2015/16 through FY 2024/25
Public Works Integrated Master Plan
City of Oxnard**

FYE	Repair & Renewal	Performance	Small Equipment Replacement	Resource Sustainability	Total CIP Requirements	Total CIP Requirements
2016	\$0	\$0	\$0	\$0	\$0	\$0
2017	\$30,509	\$0	\$0	\$70	\$4,700	\$35,279
2018	\$31,992	\$0	\$0	\$315	\$4,570	\$36,877
2019	\$32,252	\$0	\$0	\$315	\$5,146	\$37,713
2020	\$3,103	\$0	\$0	\$60	\$2,767	\$5,930
2021	\$4,373	\$0	\$0	\$270	\$1,767	\$6,410
2022	\$7,413	\$0	\$0	\$270	\$700	\$8,383
2023	\$6,893	\$0	\$0	\$0	\$700	\$7,593
2024	\$22,659	\$6,340	\$1,127	\$40	\$700	\$30,866
2025	\$44,887	\$25,735	\$2,624	\$180	\$700	\$74,126
2026	\$62,798	\$22,725	\$119	\$180	\$700	\$86,522
2027	\$54,028	\$0	\$340	\$0	\$6,860	\$61,228
2028	\$25,593	\$0	\$510	\$0	\$6,860	\$32,963
2029	\$1,613	\$0	\$425	\$0	\$10,510	\$12,548
2030	\$1,613	\$0	\$255	\$0	\$26,285	\$28,153

\$115.8 million

Wastewater CIP Projects FY15/16 to FY19/20		Current Dollars
Wastewater Treatment Plant		
Stop Gap-Immediate repair needs. Repairs will last 10 to 15 years until replacement facilities are built.		
Preliminary Treatment	Headworks Odor Control with Screen Walls, Concrete Repair, and RPF Cover Replacement, Headworks Below Cover Coating Repairs	\$ 5,941,560
Primary Sedimentation	Replace Primary Clarifier Equipment	\$ 5,245,827
Secondary Treatment	Demolish Biotowers, Add Baffle Walls in ASTs	\$ 2,184,602
Final Effluent Pumping	Replace/Modify Interstage and Effluent Pump Station Pumps, Water Quality Early Warning System	\$ 3,617,811
Sludge Handling	Clean Digesters #1 and #3, add Dystor Cover to #2, Rebuild/Rehab the Gravity Thickeners, Replace the Belt Filter Presses,	\$ 9,072,358
Cogen	Rebuild Cogen Units	\$ 2,184,602
General	Replace Standby Generators, Replace Plant MCCs, Site Electrical, Utilities, Paving, SCADA System Replacement	\$ 7,889,610
SUBTOTAL STOP GAP		\$ 36,136,367
Immediate repair and rehabilitation needs- Rehabilitated facilities will last up to 30 years.		
Secondary Treatment	AST blower and diffuser replacement, Secondary small equipment replacement, SST replace skimmers, collectors, drives and RAS pumps	\$ 8,666,666
General	CMMS, Additional civil/site work/inter-process piping needed with new plant CEQA/Permitting, Land Acquisition	\$ 11,907,827
SUBTOTAL REPAIR & REHABILITATION		\$ 20,574,493
Replacement Facilities		
Primary and Secondary	Conceptual layout of replacement facilities	\$ 1,000,000
SUBTOTAL REPLACEMENT		\$ 1,000,000
TOTAL WASTEWATER TREATMENT PLANT		\$ 57,710,860
Wastewater Collection Facilities		
Sewer Line	Rice Ave Sewer replacement, Asbestos Cement Pipe (ACP) replacement, Central trunk condition assessment, capacity related replacements, annual sewer line R&R, headworks vortex structures and meter vault recoating	\$ 6,733,000
Manholes	Central Trunk, Harbor Blvd, Redwood Tributary	\$ 2,350,000
Lift Station	Casden Village, Lift station 23, Lift Station 6, Lift Station 4	\$ 3,000,000
Chemical Addition	Magnesium hydroxide addition	\$ 4,400,000
TOTAL WASTEWATER COLLECTION		\$ 16,483,000
GRAND TOTAL WASTEWATER		\$ 74,193,860

WASTEWATER RATE STUDY

CITY OF OXNARD, CALIFORNIA
 RATE STUDY FOR WATER, WASTEWATER & ENVIRONMENTAL RESOURCES DIVISIONS

Table 4.1-6: Capital Improvement Program

Line No.	Description	Projected					Total
		FY09/10 \$	FY10/11 \$	FY11/12 \$	FY12/13 \$	FY13/14 \$	2009-2014 \$
<u>Wastewater Collection System</u>							
1	Septic Conversion Loan Program	0	0	0	0	0	0
2	Redwood Trunk	0	0	0	0	0	0
3	Development Project Infrastructure Report	100,000	0	106,100	0	112,600	318,700
4	Central Trunk Manhole Reconstruction Project (Phase 1)	560,000	865,200	0	0	0	1,425,200
5	Victoria Ave Gravity Sewer	1,500,000	0	0	0	0	1,500,000
6	WWC System Master Plan Update	50,000	0	318,300	0	0	368,300
7	Casden and Village Developments	0	515,000	530,500	0	0	1,045,500
8	Rice Ave Sewer Placement EX-1	0	618,000	636,500	0	0	1,254,500
9	Flow Monitoring System Expansion	0	309,000	0	0	0	309,000
10	DWR Regulatory Compliance	100,000	103,000	106,100	109,300	112,600	531,000
11	Eastern Trunk Line	0	0	0	0	0	0
12	Hansen Computer Upgrade	100,000	103,000	0	0	0	203,000
13	Asset Management Program - Collection System	500,000	515,000	795,700	1,092,700	2,251,000	5,154,400
14	Carry Forward Projects	4,000,000	0	0	0	0	4,000,000
15	Subtotal	6,910,000	3,028,200	2,493,200	1,202,000	2,476,200	16,109,600
<u>Wastewater Treatment System</u>							
16	WWT Plant SCADA Master Plan	0	0	530,500	0	0	530,500
17	WWT Plant Electronic O&M Manual	350,000	103,000	106,100	109,300	112,600	781,000
18	Asset Management Program - Wastewater Treatment	1,000,000	515,000	1,060,900	1,092,700	1,125,500	4,794,100
19	WWT Plant Resurfacing	0	0	0	437,100	0	437,100
20	WWT Plant Effluent Pump Station Upgrade & Expansion	0	0	0	0	5,346,200	5,346,200
21	Secondary Clarifier/DAF	0	0	0	0	0	0
22	WWT Plant Headworks Backup Generator	0	0	848,700	874,200	0	1,722,900
23	WWT Plant Cogeneration Replacement	0	0	0	8,741,800	4,502,000	13,243,800
24	WWT Plant Prechlorination & Ferric System Project	0	4,120,000	0	0	0	4,120,000
25	WWT Plant AST Diffusers Replacement	0	0	0	8,119,300	0	8,119,300
26	WWT Plant Digesters	0	0	0	0	0	0
27	WWT Plant Bio Filter Recirculation Pumps Replacement	0	0	0	0	0	0
28	WWT Plant Biosolid Storage	0	515,000	1,591,400	0	0	2,106,400
29	WWT Plant Centrifugas	0	0	0	0	0	0
30	Hansen Computer Upgrade	100,000	103,000	0	0	0	203,000
31	Plant Control Center Phase I & II	0	1,030,000	4,986,200	5,135,800	5,177,300	16,329,300
32	Carry Forward Projects	1,000,000	0	0	0	0	1,000,000
33	Subtotal	2,450,000	6,386,000	9,123,800	22,510,200	16,263,600	56,733,600
<u>Storm Drain System</u>							
34	Mandalay Beach Road Stormwater Issues Study	0	824,000	3,394,900	0	0	4,218,900
35	Tierra Vista Neighborhood - Sanford Storm Drain Phase 2	700,000	0	0	0	0	700,000
36	Blackstock North - Yucca St Storm Drain Phase 2	800,000	0	0	0	0	800,000
37	Cal-Gisler Neighborhood Storm Drain	0	0	0	0	0	0
38	Storm Water Master Plan Update	0	103,000	0	0	0	103,000
39	Bartolo Square North Neighborhood Storm Drain	0	370,800	572,900	0	0	943,700
40	Commercial Central Neighborhood Storm Drain	0	0	0	1,311,300	1,350,800	2,661,900
41	Sierra Linda Neighborhood Storm Drain	0	0	148,500	611,900	0	760,400
42	Fifth St Storm Drain	0	0	169,700	699,300	0	869,000
43	Five Points Northeast Neighborhood Storm Drain	0	0	84,900	349,700	0	434,600
44	Blackstock South Neighborhood Storm Drain	0	0	106,100	437,100	0	543,200
45	DWR Regulatory Compliance	0	0	0	546,400	562,800	1,109,200
46	Asset Management Program - Stormwater System	0	0	0	0	562,800	562,800
47	Carry Forward Projects	0	0	0	0	0	0
48	Subtotal	1,500,000	1,297,800	4,477,000	3,955,700	2,478,200	13,706,700
49	Total CIP (Uninflated) w/o Asset Mgt Items	10,360,000	10,197,000	15,298,300	26,575,200	18,402,200	80,832,700
50	Total Asset Mgt Items (Routine Capital)	500,000	515,000	795,700	1,092,700	2,813,800	5,717,200

Wastewater is projecting expenditures of \$80,832,700 for collection, treatment and storm drain capital improvement projects over the next 5 years. This total includes capital and replacement projects. Since storm drain has traditionally never been treated as a self-supporting enterprise, Wastewater handles are maintenance and capital needs. As part of the financial plan analyses, an annual inflation allowance of 3 percent was included in the above capital improvement project costs.

WASTEWATER RATE STUDY

CITY OF OXNARD, CALIFORNIA
 RATE STUDY FOR WATER, WASTEWATER & ENVIRONMENTAL RESOURCES DIVISIONS

4.3 Proposed Rate Adjustments

The initial consideration in the derivation of wastewater rate schedules for utility service is the establishment of equitable charges to the customers commensurate with the cost of providing that service. While the cost of service allocations to customer classes should not be construed as literal or exact determinations, they offer a guide to the necessity for, and the extent of, rate adjustments. Practical considerations sometimes modify rate adjustments by taking into account additional factors such as the extent of change from previous rate levels, existing contracts, and past local policies and practices.

4.3.1 Existing Rates

A summary of existing wastewater rates was presented earlier in Table 4.1-3. The existing rates consist of a flat monthly charge, which varies by EDUs, a commodity charge for each customer class applicable to each hundred cubic feet of billed water sales, and a strength charge, which is based on monitored pollutant loading data.

4.3.2 Proposed Rates

The costs of service analysis described in preceding sections of this report provide a basis for the design of rates. The rate schedule shown in Table 4.3-1 takes into consideration City policies. At the City's request, Black & Veatch designed rates to move all customer classes to a metered-water based rate structure. For the single-family residential customers, a return to sewer factor of 80 percent was assumed; for multi-family residential units, the return factor is 90 percent. Multi-family units have a higher return factor because there is a smaller amount of irrigable land associated with this customer class.

Table 4.3-1: Proposed Rates for TY

Customer Classification	Proposed Service Charge	Customer Classification	Rate Block	Proposed Volume Charge
	\$/mo		ccf	\$/ccf
Single Family Residential	16.45	Single Family Residential	0 - 9	0.95
Multi-Family Residential	12.03		10 - 18	1.05
Outside City - Residential	56.50		Over 18	1.47
Outside City - Multi/Mobile Home Spaces	37.86			
Non-metered Customers	28.25	Multi-Family Residential	0 - 17	0.95
			18 - 32	1.05
			Over 32	1.47
Oxnard Monthly User Charge	Proposed Rate			
	\$/unit	Commercial	0 - 50	2.05
p =	1,819.43 \$/MG		51 - 930	2.56
q =	515.52 \$/thousand lbs		Over 930	5.13
r =	362.26 \$/thousand lbs	Restaurants	0 - 20	3.15
			21-160	3.94
Regional Monthly User Charge	Proposed Rate		Over 160	7.88
	\$/unit	Laundries	0 - 105	2.01
e =	324.67 \$/MG		106 - 525	2.23
f =	243.85 \$/thousand lbs		Over 525	3.12
g =	306.59 \$/thousand lbs			

4.3.3 Revenue Sufficiency

Presented in Table 4.3-3 is a comparison of Test Year allocated cost of service with revenues under the suggested wastewater rate structure. Test year costs of service are obtained from Table 4.2-5 and the proposed rates recover close to 100 percent of the total cost of service for the system.

WASTEWATER RATE STUDY

CITY OF OXNARD, CALIFORNIA
RATE STUDY FOR WATER, WASTEWATER & ENVIRONMENTAL RESOURCES DIVISIONS

Table 4.3-3: Revenue under Proposed Rates for TY

Customer Class	Allocated Cost of Service	Revenue Under Existing Rates	Revenue Under Proposed Rates	Increase Over Existing Rates	Percent Recovery
	\$	\$	\$	%	%
Single Family Residential	11,848,100	11,334,700	11,873,100	4.75	100.21%
Multi-Family Residential	4,043,900	3,574,600	4,049,600	13.29	100.14%
Commercial / Restaurants / Laundries	3,906,200	3,476,300	3,492,000	0.45	89.40%
Industrial	3,166,900	2,849,300	3,132,400	9.94	98.91%
Total w/o Regional Customers	22,965,100	21,234,900	22,547,100	6.18	98.18%
Regional Customers	1,472,300	1,392,180	1,472,300	5.75	100.00%
TOTAL SYSTEM	24,437,400	22,627,080	24,019,400	6.15	98.29%

Table 23 Capital Improvement Program

DESCRIPTION	PROJECTED				TOTAL
	FY 12/13	FY 13/14	FY 14/15	FY 15/16	
Wastewater Collection System					
Development Project Infrastructure Report	\$0	\$100,000	\$0	\$106,100	\$206,100
* Central Trunk Manhole Reconstruction Project (Phase 1)	\$0	\$1,000,000	\$0	\$0	\$1,000,000
* Central Trunk Manhole Reconstruction Project (Phase 2)	\$0	\$0	\$1,030,000	\$0	\$1,030,000
Central Trunk Manhole Reconstruction Project (Phase 3)	\$0	\$0	\$0	\$1,060,900	\$1,060,900
WWC System Master Plan Update	\$0	\$300,000	\$0	\$0	\$300,000
Casden and Village Developments	\$0	\$500,000	\$515,000	\$0	\$1,015,000
* Rice Ave Sewer Placement EX-1	\$0	\$1,200,000	\$0	\$0	\$1,200,000
Flow Monitoring System Expansion	\$0	\$300,000	\$0	\$0	\$300,000
Regulatory Compliance	\$0	\$100,000	\$103,000	\$106,100	\$309,100
* Hansen Computer Upgrade	\$0	\$100,000	\$0	\$0	\$100,000
<i>Subtotal Collection Projects</i>	<i>\$0</i>	<i>\$3,600,000</i>	<i>\$1,648,000</i>	<i>\$1,273,100</i>	<i>\$6,521,100</i>
Asset Management Projects	\$750,000	\$1,000,000	\$2,060,000	\$2,121,800	\$5,931,800
Wastewater Treatment System					
WWTP SCADA Master Plan	\$0	\$500,000	\$0	\$0	\$500,000
WWTP EOM	\$0	\$100,000	\$103,000	\$106,100	\$309,100
WWTP Resurfacing	\$0	\$0	\$412,000	\$0	\$412,000
* WWTP Effluent Pump Station Upgrade & Expansion	\$0	\$0	\$0	\$1,060,900	\$1,060,900
WWTP Headworks Backup Generator	\$0	\$800,000	\$824,000	\$0	\$1,624,000
* WWTP Cogeneration Replacement	\$0	\$0	\$2,060,000	\$5,304,500	\$7,364,500
WWTP Prechlorination & Ferric System Project	\$0	\$0	\$0	\$0	\$0
WWTP AST Diffusers Replacement	\$0	\$0	\$5,768,000	\$0	\$5,768,000
WWTP Digesters	\$0	\$0	\$0	\$0	\$0
WWTP Bio Filter Recirculation & Interstage Pumps Replacement	\$0	\$0	\$0	\$0	\$0
WWTP Biosolid Storage	\$0	\$500,000	\$1,545,000	\$0	\$2,045,000

*

DESCRIPTION	PROJECTED				
	FY 12/13	FY 13/14	FY 14/15	FY 15/16	TOTAL
WWTP Biosolids Dewatering	\$0	\$0	\$0	\$0	\$0
WWTP PLCs / LCPs Replacement	\$0	\$300,000	\$2,060,000	\$0	\$2,360,000
WWTP Biotower Rebuild & Screens	\$0	\$1,250,000	\$0	\$0	\$1,250,000
Hansen Computer Upgrade	\$0	\$100,000	\$0	\$0	\$100,000
Plant Control Center Phase I & II	\$0	\$0	\$0	\$1,060,900	\$1,060,900
Crane	\$0	\$200,000	\$0	\$0	\$200,000
<i>Subtotal Collection Projects</i>	<i>\$0</i>	<i>\$3,750,000</i>	<i>\$12,772,000</i>	<i>\$7,532,400</i>	<i>\$24,054,400</i>
Asset Management Projects	\$1,500,000	\$1,000,000	\$1,030,000	\$2,652,300	\$6,182,300
Storm Drain System					
Mandalay Beach Road Stormwater	\$800,000	\$2,000,000	\$1,236,000	\$0	\$4,036,000
Tierra Vista Neighborhood - Sanford Storm Drain Phase 2	\$0	\$0	\$0	\$0	\$0
Blackstock North - Yucca St Storm Drain Phase 2	\$0	\$0	\$0	\$0	\$0
Storm Water Master Plan Update	\$100,000	\$0	\$0	\$0	\$100,000
Bartolo Square North Neighborhood Storm Drain	\$360,000	\$540,000	\$0	\$0	\$900,000
Commercial Central Neighborhood Storm Drain	\$0	\$0	\$0	\$1,273,100	\$1,273,100
Sierra Linda Neighborhood Storm Drain	\$0	\$140,000	\$576,800	\$0	\$716,800
Fifth St Storm Drain	\$0	\$160,000	\$659,200	\$0	\$819,200
Five Points Northeast Neighborhood Storm Drain	\$0	\$80,000	\$329,600	\$0	\$409,600
Blackstock South Neighborhood Storm Drain	\$0	\$100,000	\$412,000	\$0	\$512,000
Regulatory Compliance	\$0	\$0	\$515,000	\$530,500	\$1,045,500
<i>Subtotal Storm Drain Projects</i>	<i>\$1,260,000</i>	<i>\$3,020,000</i>	<i>\$3,728,600</i>	<i>\$1,803,600</i>	<i>\$9,812,200</i>
Asset Management Projects	\$500,000	\$500,000	\$515,000	\$530,500	\$2,045,500
Total CIP without Asset Management	\$1,260,000	\$10,370,000	\$18,148,600	\$10,609,100	\$40,387,700

Distribution of Costs of Service to Customer Classes

The customer class responsibility for service is obtained by applying the unit costs of service to the number of units for which the customer class is responsible. This process is illustrated in Table 31, in which the unit costs of service are applied to the customer class units of service.

Adequacy of Existing Rates to Meet Costs of Service

Presented in Table 32 is a comparison of the allocated cost of service and revenue under existing rates for the system in total. The last column indicates the approximate adjustment rate levels necessary to recover 100 percent of the allocated costs of service.

Table 32 Comparison of Adjusted COS with Revenues under Existing Rates

LINE NO.	CUSTOMER CLASS	ALLOCATED COST OF SERVICE	REVENUE UNDER EXISTING RATES	INDICATED REVENUE INCREASE
1	Residential	\$21,267,600	\$16,568,500	28.4%
2	Non-Residential	\$9,384,400	\$9,130,500	2.8%
3	Regional	\$1,739,500	\$1,294,100	34.4%
4	Total System	\$32,391,700	\$26,993,100	20.0%

PROPOSED RATE ADJUSTMENTS

The initial consideration in the derivation of wastewater rate schedules for utility service is the establishment of equitable charges to the customers commensurate with the cost of providing that service. While the cost of service allocations to customer classes should not be construed as literal or exact determinations, they offer a guide to the necessity for, and the extent of, rate adjustments. Practical considerations sometimes modify rate adjustments by taking into account additional factors such as the extent of change from previous rate levels, existing contracts, and past local policies and practices.

Existing Rates

A summary of existing wastewater rates was presented earlier in Table 20. The existing rates consist of a flat monthly base charge, a commodity charge for each customer class applicable to each hundred cubic feet of billed water sales, and a strength charge, which is based on monitored pollutant loading data.

Proposed Rates

The costs of service analysis described in preceding sections of this report provide a basis for the design of rates. The rate schedule shown in Table 33 reflects the rates effective August 2012 and takes into consideration City policies. Table 34 illustrates the rates effective January 2013.

Table 33 Proposed Rates for TY 12/13 (Effective August 2012)

COMMODITY CHARGES (\$/CCF)					
Single Family		Multi-Family PER UNIT		Single Family – Large Lots	
Rate Block	Charge	Rate Block	Charge	Rate Block	Charge
0 - 9	\$1.25	0 – 6	\$1.05	0 – 16	\$1.25
10 - 18	\$1.39	7 - 12	\$1.17	17 – 25	\$1.39
Over 18	\$1.94	Over 12	\$1.63	Over 25	\$1.94
Commercial		Restaurants		Laundries	
Rate Block	Charge	Rate Block	Charge	Rate Block	Charge
0 - 50	\$2.30	0 – 20	\$2.30	0 – 105	\$2.30
51 - 930	\$2.88	21 – 160	\$2.88	106 – 525	\$2.55
Over 930	\$5.75	Over 160	\$5.75	Over 525	\$3.17
Minimum Monthly Fee - \$13.10		Minimum Monthly Fee - \$12.15		Minimum Monthly Fee - \$57.50	
Schools		Las Posas			
Rate Block	Charge	Rate Block	Charge		
0 - 50	\$2.30	0 - 50	\$4.60		
51 - 930	\$2.88	51 - 930	\$5.76		
Over 930	\$5.75	Over 930	\$11.50		
Minimum Monthly Fee - \$46.00					
MONTHLY BASE CHARGE (\$/month)					
Single Family	Multi Family Per Unit	Single Family – Large Lots	Outside City Residential	Outside City Multi Family	Non Metered
\$19.72	\$14.42 – Each of first 6 units \$7.19 – After 6 units	\$19.72	\$68.34	\$45.80	\$33.86
FORMULA USERS AND REGIONAL CUSTOMERS					
Formula Users			Regional Customers		
Volume (MG)	BOD (1,000 lbs)	TSS (1,000 lbs)	Volume (MG)	BOD (1,000 lbs)	TSS (1,000 lbs)
\$2,016.56	\$459.48	\$363.40	\$1,090.98	\$123.60	\$181.13

Table 34 Proposed Rates for TY 12/13 (Effective January 2013)

COMMODITY CHARGES (\$/CCF)					
Single Family		Multi-Family PER UNIT		Single Family – Large Lots	
Rate Block	Charge	Rate Block	Charge	Rate Block	Charge
0 - 9	\$1.38	0 – 6	\$1.13	0 – 16	\$1.38
10 - 18	\$1.53	7 - 12	\$1.25	17 – 25	\$1.53
Over 18	\$2.14	Over 12	\$1.75	Over 25	\$2.14
Commercial		Restaurants		Laundries	
Rate Block	Charge	Rate Block	Charge	Rate Block	Charge
0 - 50	\$2.48	0 – 20	\$2.48	0 – 105	\$2.48
51 - 930	\$3.10	21 – 160	\$3.10	106 – 525	\$2.75
Over 930	\$6.20	Over 160	\$6.20	Over 525	\$3.42
Minimum Monthly Fee - \$14.15		Minimum Monthly Fee - \$13.12		Minimum Monthly Fee - \$62.10	
Schools		Las Posas			
Rate Block	Charge	Rate Block	Charge		
0 - 50	\$2.48	0 - 50	\$4.96		
51 - 930	\$3.10	51 - 930	\$6.20		
Over 930	\$6.20	Over 930	\$12.40		
Minimum Monthly Fee - \$49.68					
MONTHLY BASE CHARGE (\$/month)					
Single Family	Multi Family Per Unit	Single Family – Large Lots	Outside City Residential	Outside City Multi Family	Non Metered
\$21.30	\$15.57 – Each of first 6 units \$7.77 – After 6 units	\$21.30	\$75.91	\$50.36	\$36.57
FORMULA USERS AND REGIONAL CUSTOMERS					
Formula Users			Regional Customers		
Volume (MG)	BOD (1,000 lbs)	TSS (1,000 lbs)	Volume (MG)	BOD (1,000 lbs)	TSS (1,000 lbs)
\$2,177.86	\$496.24	\$392.47	\$1,178.25	\$133.48	\$195.62

Historical Review of Wastewater Rates

H-12

From 1/25/17
URAP

Ordinance No.	Year	Total Monthly Charge***
2577*	2000	21.88
	2001	21.88
	2002	21.88
2632/2719	2003	22.76
	2004	23.67
	2005	24.85
	2006	24.85
	2007	25.60
2748	2008	26.36
	2009	21.58
2818**	2010	23.33
	2011	23.33
	2012	25.34
	2013	26.85
2860	2014	28.47
	2015	28.47

] rate increase adopted in 2009

*Ordinance 2577 adopted increased rates for the first time since June 1994
 **Ordinance 2818 rates are based on water use in tiers, fixed fee, security and contamination fees.
 ***Total monthly cost is based on 9 HCF average water consumption of single family usage per account for the years 2009 through 2015.

Ordinances to Continue and Establish Water, Wastewater and Environmental Resources User Fees and Charges and Appropriation of Revenue Funds

August 28, 2012

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insufficient to meet anticipated necessary expenditures. Findings were included in the *Rate Study Update: Water, Wastewater and Environmental Resources Divisions* report, May 2012 (Rate Study 2012). On March 6, 2012, staff presented a report to City Council establishing the basis for the recommended rate increases.

Subsequent to the March 6, 2012 report, staff proceeded with a Proposition 218-compliant notification process by mailing notices to all property owners and utility customers stating the date of the public hearing and explaining the basis for the recommended rates. The City Council held the required public hearing at both its July 17 and July 31, 2012 meetings and, after deliberation, directed staff to bring back the amended ordinances for adoption. Staff recommends the adoption of the attached amended ordinances continuing and establishing water, wastewater and environmental resources user fees and charges to recover cost of operations and maintenance so that the utilities can remain self-supporting enterprises.

The proposed rate increases will ensure the continuation of daily operations, with the goal of future rate smoothing. Adoption of the proposed rates will also allow the enterprises to meet debt service coverage requirements and provide for replacement of fleet and aging infrastructure.

As indicated above, on July 31, 2012, City Council held a duly noticed public hearing to consider proposed rate increases. After closing the public hearing and deliberating on the increases proposed by staff, City Council approved a three-step rate increase over 18 months in Fiscal Year 2012-13 and Fiscal Year 2013-14. The rate increase for the Water Enterprise is three percent (3%) beginning in January 2013. Three rate increases of six percent (6%) each were approved for the Wastewater Enterprise as follows: six percent (6%) beginning in October 2012, an additional six percent (6%) beginning in January 2013 and an additional six percent (6%) beginning in October 2013 through March 2014. The rate increases for the Environmental Resources Enterprise are one percent (1%) in October 2012 and an additional 1% in January 2013. The rates resulting from these step increases are set forth in the attached ordinances.

The recommended combined enterprises revenue adjustment is less than 4% for each fiscal year. The average single-family residential customer will see an increase of 2.94%, or \$3.12 per month, in October 2012; a 3.19%, or \$3.48 per month, in January 2013; and a 1.74%, or \$1.96 per month, in October 2013, as reflected in the table below.

Proposed Rate Increases for Average Single-Family Residential Customer

Utility Enterprise	Current Rates	Proposed Rates October 2012 to December 2012	Proposed Rates January 2013 to September 2013	Proposed Rates October 2013 to March 2014
Water	\$47.78	\$47.78	\$49.16	\$49.16
Wastewater	\$28.37	\$31.19	\$33.00	\$34.96
Environmental Resources	\$29.92	\$30.22	\$30.51	\$30.51
Total Utility Bill	\$106.07	\$109.19	\$112.67	\$114.63
Percentage Increase:		2.94%	3.19%	1.74%

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