

F. Hypothetical Exercise

Several utilities in the benchmarking study use a combination of a PILOT and franchise fee to determine the amount paid to the General Fund. An analysis was conducted to compare the City's existing method of collecting 10% of water sales revenue and a hypothetical calculation of a PILOT and franchise fee. To be able to calculate a PILOT and franchise fee for EPWU, several assumptions were made.

PILOT Assumptions

- The appraised value of EPWU property would be equal to net book value of EPWU assets as reported in its financial statements.
- The City would receive property tax payments from EPWU only for those assets located within the City limits.
- EPWU does not report assets based on their location. The City of El Paso accounted for 81.09% of the total El Paso County population (2010 census). Therefore, 81.09% of EPWU assets were assumed to be located in the City.

Franchise Fee Assumptions

- The current franchise fee for El Paso Electric is 4.0%. It is reasonable to assume the same for EPWU should a franchise fee be implemented.

General Assumption

- As a conservative estimate, the analysis assumed that if the City transitions to a PILOT and franchise fee that results in a higher transfer than the current approach, EPWU may elect to charge the City the "other local government rate" for irrigation service.

The calculation of the PILOT and franchise fee used the above assumptions and data provided by EPWU. Exhibit 2.5 presents the results of this analysis.

Exhibit 2.5 - Hypothetical Analysis of Transfers

Estimated Hypothetical Outcome from Major Items	
Franchise Fee (4% of Water & Wastewater Revenues)	\$6,994,274
Payment In Lieu of Taxes (Based on NBV)	\$5,798,479
	<u>\$12,792,753</u>
Less: Estimated Loss to the City if EPWU Charges Full Cost Irrigation Rates	\$600,000
Estimated Net Hypothetical Outcome	<u>\$12,192,753</u>
Estimated Current Outcome from Major Items	
10% of Water Sales Revenue	\$10,958,451
Add: Estimated Gain to the City from EPWU Charging Below Cost Irrigation Rates	\$600,000
Estimated Net Current Outcome	<u>\$11,558,451</u>

Exhibit 2.5 shows that the hypothetical analysis results in a slightly higher payment to the City. However, based on the extent of the assumptions made, the general level of acceptance of the existing approach, and the overall good health of the current relationship with EPWU, it may not be advantageous for the City to transition away from the existing methodology.

G. Summary of Transfers

The most important result from the transfer analysis is that there appears to be no single trend for the type or level of transfers between cities and utilities. While PILOTs and franchise fees appeared to be the most common type, several of the benchmarked utilities used other transfers or combination of transfers. The transfers, direct costs, and indirect costs are very utility/municipality specific. Even among utilities that appear similar based on governance, organization and location, several different types and combinations of transfers are used and the level of funds transferred is by no means consistent from utility to utility.

Additionally, the City may want to revisit the indirect costs allocated to EPWU. Currently, the City goes through an exhaustive indirect cost allocation evaluation every year within the city departments. EPWU is not included in this analysis. The City may want to include EPWU as a cost center in that analysis going forward to better determine the level of indirect costs that should be recovered from EPWU.

3. Irrigation Rate Analysis

A. Water Rates for City Government

Along with residential, commercial and industrial customers, the majority of utilities provide water and wastewater service to municipal government entities, such as cities or towns. Municipalities typically need utility service for one or more office buildings. Additionally, municipalities may require water service for irrigating outdoor spaces, landscaping and parks.

A municipality requires water and wastewater service like any other customer in the utility's service area. The utility takes into consideration the level of consumption and demand for the municipal account(s) in its water master plan to ensure adequate capacity for current and future use. In turn, revenue from municipal fees and charges for water and wastewater service are factored into a utility's financial plan. As such, most municipalities are treated as utility customers by the utility and in the billing system.

There may be speculation that this method of billing is in a sense the municipality charging itself for service. However, this approach leads to appropriate cost recovery for the General Fund and the utility, whether it be a department or separate authority. Cities and towns require a level of service and in turn, should be classified and billed as a customer of the utility.

B. Existing Practice for Irrigation Billing

EPWU assesses the City for irrigation at the utility's General User Block 1 rate for all of the City's irrigation usage. This is a special rate designated for the City based on a 1995 PSB Board Resolution. During the time period of the analysis, the FY 2012-2013 rate assessed to the City (Block 1 rate) was \$1.49 per Ccf.

C. Benchmarking Results of Municipal Rates

How a utility chooses to bill the respective municipality differs from utility to utility. Benchmarking suggests that whether the utility is a department of the city, an enterprise fund, or a separate authority does not factor into the approach. Benchmarking and industry best practices also suggest that there is not one adopted method of billing municipalities for water and wastewater service. Some utilities charge the municipality the current commercial rate. Others may charge the current general class rate. Still other utilities may create a special municipal rate. Some utilities may even implement a hybrid approach that ties to some form of the current utility rates.

D. Summary of Municipal Rate Findings

The current approach used by EPWU to assess irrigation charges to the City is a special rate implemented in 1995. Relative to other commercial customers, the City is assessed a special rate for all irrigation usage which correlates to the Block 1 General User class rate. The current system employed by EPWU is not inconsistent with industry standards and best practices. Charging a municipality the

same or different rates as other existing customers and to which classes rates should be based appears to be entirely at the discretion of the utility and municipality.

4. Sanitation Billing

A. Cooperative Billing Services

There are several arrangements within a municipality or utility to charge the customer base for water and wastewater service. Depending on the municipality, there may be a utility billing department or sub-department outside of the utility that handles billing for all services provided to a resident or business. However, the majority of utilities own and support a billing system and collection to recover water and wastewater fees and charges from its customer base.

When a utility owns their own system, they may choose to provide billing services for other municipal services, such as trash collection. This arrangement is made for efficiency. Having separate billing systems within the same municipal government may be costly and results in redundancy. However, if paired with other city or utility services, in theory, the cost per bill for all entities involved would likely be less. This leads to partnerships or billing arrangements where the owner of the billing system provides billing services.

B. 2012 Sanitation Billing Cost Analysis

EPWU owns and maintains a billing system and support staff to bill customers for water, wastewater and stormwater services. In addition to billing for their own services, EPWU provides billing services for the City's Environmental Services Department for sanitation collection. EPWU assesses the City a certain charge per sanitation bill for this assistance.

EPWU completed a new cost allocation report for billing services in September 2012 and submitted the "2012 Sanitation Billing Cost Analysis" to the City, highlighting a new cost per sanitation bill. The analysis provides the groundwork for a price of \$0.38 per sanitation bill.

Evaluation of the Cost Allocation Analysis

The "2012 Sanitation Billing Cost Analysis" was reviewed, and the methodology used for the cost allocation analysis was evaluated for accuracy in regards to industry accepted methodology. The analysis was fully recreated in an Excel-based model. The first table in Exhibit 4.1 shows the individual cost components, or inputs, that are factored into the analysis and shows the relative impact of each as both a percentage and dollar portion. The second table shows the allocation basis by number of accounts. The methodology was tested, and overall, the allocation appears appropriate.

Exhibit 4.1 – Components of the Billing Analysis

Cost Inputs	Total Costs	% Allocated to Sanitation Billing	\$ Allocated to Sanitation Billing	Per Bill Costs	% of Total
Customer Svc. O&M for Handling, Postage & Envelopes	\$1,200,000	25.15%	\$301,820	\$0.134	35.38%
Customer Svc. O&M for Call Center	\$722,524	25.15%	\$181,727	\$0.081	21.30%
Information Services O&M for Billing	\$669,763	25.15%	\$168,457	\$0.075	19.76%
Direct Treasury "Cashiering" Costs	\$395,073	25.15%	\$99,367	\$0.044	11.65%
Indirect Treasury "Cashiering" Costs	\$41,823	25.15%	\$10,519	\$0.005	1.23%
Subtotal O&M Costs	\$3,029,182	25.15%	\$761,891	\$0.339	89.30%
Capital Costs					
Customer Service Building	\$96,638	25.15%	\$24,306	\$0.011	2.85%
CIS (enQuesta) Improvements	\$284,072	23.67%	\$66,952	\$0.030	7.85%
Subtotal Capital Costs	\$380,711	23.97%	\$91,258	\$0.041	10.70%
Total Sanitation Billing Services Costs	\$3,409,893	25.02%	\$853,149	\$0.380	100.00%

ALLOCATION BASIS	Accounts	% of Accounts	Bills
Sanitation	187,279	25.15%	2,247,348
Water	193,882	26.04%	
Sewer	182,378	24.49%	
Stormwater	181,059	24.32%	
Total	744,698	100.00%	2,247,348

There was one area of the analysis that could possibly require additional information for verification. According to the billing cost analysis, "direct" customer service for the call center is staffed with 15 FTEs. The City's portion of this cost is \$181,727, or \$0.081 per bill. The analysis suggests that 25.15% of the time of the customer service call center time is spent on sanitation-related billing questions. This may be higher than reality given that the City's Environmental Services Department phone number is also printed on the bill along with the call center's number. Still, a more accurate allocation of these costs would be by volume of calls and thus, call center logs would need to be reviewed to determine if this allocation holds true. Even if sanitation's share of the call center customer service costs are lower than 25.15%, the potential savings per bill is at the highest, \$0.081 per bill, but most likely between \$0.000 and \$0.081 per bill.

C. Benchmarking Results of Billing Practices

Most utilities responded that they conduct billing for their utility services and provide billing for other services as well. The majority of utilities that provide billing for other services charge for this service. Several utilities assess fees for billing services as an annual lump sum rather than a per bill fee. Of those that responded with per bill fees for other services, the cost per bill ranged from \$0.25 to \$1.30 per bill. There appears to be no set standard fee per bill. The costs for billing services among benchmarked utilities appear to have been derived following a cost allocation methodology, similarly employed by EPWU, but the differences in charges are most likely attributable to differences in the level of costs among different utilities and municipalities and how costs are allocated among services. While the methodology may be similar, costs and allocation factors are unique to each utility.

D. Summary of Billing Service Findings

The per bill fee for sanitation billing provided by EPWU appears reasonable and appropriate according to industry accepted methodology. The City may elect to pursue one area that may net a savings anywhere from \$0.000 to \$0.081 per bill, but that would require an examination of customer service call

center records to determine if the current allocation factor is accurate. Finally, of the utilities that provide billing for non-utility services, most charge for such service and most determine the level of fee through some form of a cost allocation model.

5. Fire Hydrant Maintenance Costs

A. Recovering Public Fire Hydrant Maintenance Costs

Public fire hydrants are connected to the water system to be used in emergency situations for the safety of all residents and businesses. For a water utility, there is cost involved with maintaining and repairing public hydrants. These costs tend to be recovered in a variety of ways. The two most common cost recovery mechanisms for fire hydrant maintenance and repair costs are:

- Included in the total revenue requirements for all customers and recovered from utility rates.
- Are charged to the municipality for public fire protection maintenance costs and recovered from a derived annual fee or per hydrant fee.

B. Fire Hydrant Fees in El Paso

Currently, the City is assessed a per hydrant maintenance fee of \$5.92 per hydrant per month by EPWU. This per hydrant fee has been held at \$5.92 since 1993. The City pays this fee for 6,686 hydrants on an annual basis. The number of hydrants has also been held at 6,686 for some time, regardless of the addition of more hydrants to the system over the years. The total annual payment to EPWU by the City for fire hydrant maintenance using the fee described above is \$474,972.

C. Benchmarking Results of Public Fire Hydrants

The results of the benchmarking analysis for fire hydrant maintenance fees show that the majority of the benchmarked utilities recover fire hydrant maintenance costs through customer rates. In fact, only one of ten utilities benchmarked in Texas assesses a fee to the General Fund for hydrant maintenance. All others include public fire hydrant maintenance costs in the overall revenue requirements to be recovered from customer rates.

D. Summary of Hydrant Findings

The City is currently assessed public fire hydrant maintenance fees to recover costs borne by EPWU for hydrant maintenance and repair. While the City benefits from the unit fee and number of hydrants billed being frozen for many years, the assessment of hydrant fees to the municipality, or General Fund, is not common among several of the City's peers according to the benchmarking analysis. Therefore, the City may want to pursue an approach with EPWU where these fees, a total of \$474,972 per year, are not assessed to the City but recovered from the rates assessed to all of EPWU's customers to be consistent with industry best practices.

6. Land Sales Analysis

A. Sale of Land and Transfer of Proceeds

This analysis reviews the transfer of funds from the utility to the municipality related to the sale of land owned by the utility. In the 1950's, much of the land in and around El Paso was deeded from the City over to EPWU. The value of the land at the time was recorded and represents the value of the land on the ledger at EPWU. To recompense the City, 5.0% of the net proceeds from the sale of any land is transferred to the City from EPWU.

Recent Land Sales Activity

From FY 2008 through FY 2012, EPWU sold 11 properties for a gross total of \$8.21 million dollars. The net dollar amount for EPWU equaled \$8.06 million, and the City's 5.0% was calculated based on the \$8.06 million net proceeds. Thus, the City was paid approximately \$403,000. If the City collected based on the gross proceeds of the land sales instead of net, the City would have been paid approximately \$410,000.

B. Benchmarking Results of Land Sales Transfers

None of the benchmarked utilities have such an arrangement with the General Fund.

C. Summary of Land Sales Findings

The City may want to address EPWU and request that they be paid 5.0% of the *gross* instead *net* proceeds from the sale of land. In the past 5 years, this difference in what the City has received or potentially could have received amounted to only \$7,000, which is a minimal loss by the City. However, depending on the original value of the land, the difference may be substantially larger. Unfortunately, benchmarking provided no industry basis for transfer of a portion of land sales proceeds.

City	Contact Information / Source	Utility Organization	PILOT / Franchise Fees / ROW Fees	Indirect Costs	Costs Included in the Outside City Revenue Requirement?
Houston	Sophia Chang, Assistant Director, City of Houston Public Works and Engineering Department, 832-395-2580	Water and wastewater utilities are part of the Public Works and Engineering Department of the City of Houston	No PILOT, No Franchise Fees, No ROW Fees	Utility pays for indirect overhead allocations charged by the City of Houston	YES - A portion of indirect overhead allocations made by the City are allocated to the outside City wholesale revenue requirement
Arlington	Medria Browlow, Financial Administrator, City of Arlington Water Utilities, 817-459-6810	Arlington Water Utilities is a department within the City of Arlington	Arlington Water Utilities pays PILOT to the City (based on utility assets & property tax rate) and a franchise fee equal to 5.8% of revenue less impact fees and interest.	Arlington Water Utilities also pays for indirect overhead allocations charged by the City of Arlington	YES - PILOT, Franchise Fees, and indirect overhead allocations are included in the outside City wholesale revenue requirement
Fort Worth	Skinner Shook, Sr. Utility Rate Analyst, Fort Worth Water Department, 817-393-8402	Fort Worth Water Department department within the City of Fort Worth	Fort Worth Water Department pays PILOT to the City (based on utility assets & property tax rate) and a street rental/ROW fee to the City equal to 5% of revenue.	Fort Worth Water Department also pays indirect overhead allocations charged by the City of Fort Worth	YES - PILOT, Street Rental/ROW fees, and indirect overhead allocations are included in the outside City wholesale revenue requirement
Dallas	Erica Robinson, Manager II, City of Dallas Water Utilities, 214-670-5245	Dallas Water is a Department within the City of Dallas	Dallas Water pays PILOT to the City (based on water utility assets & property tax rate) and a street rental/ROW fee to the City equal to 5% of Revenue	Dallas Water also pays indirect overhead allocations to the City of Dallas	NO - PILOT, Street Rental/ROW fees, and indirect overhead allocations are excluded from the wholesale revenue requirement
San Antonio	RFC COS model developed for SAWS	Autonomous City water board	San Antonio Water System pays 2.7 % of gross utility revenue to the City (option to go to 5%)	SAWS does not pay indirect overhead costs to the City of San Antonio	YES - outside city wholesale revenue requirement includes a portion of the 2.7% of gross utility revenue paid to the City
El Paso	Red Oak Cost of Service (COS) model developed for El Paso	Autonomous City water board	El Paso Water Utilities pays 10% of water sales revenue and 5% of net land sales to the City of El Paso	El Paso Water Utilities does not pay indirect overhead costs to the City of El Paso	NO - 10% of water sales revenue paid to the City is excluded from the outside City wholesale revenue requirement. Inside City customers are only allocated this cost.
Phoenix	Denise Olson, Deputy Finance Director, 602-261-8343	Phoenix Water Services Department is a department within the City of Phoenix	Phoenix Water Services Department pays PILOT based on assets and a property tax rate	Phoenix Water Services Department also pays indirect overhead allocations to the City of Phoenix	YES - even though the outside city wholesale services provided by the Phoenix Water Services Department are minimal, wholesale customers do pay a portion of PILOT. Unsure about indirect overhead allocations.
Tucson	Belinda Oden, Business Services Administrator, City of Tucson, 520-837-2145	Tucson Water is a department within the City of Tucson	Tucson Water pays a PILOT based on inside City assets and a property tax rate	Tucson Water also pays indirect overhead allocations to the City of Phoenix	YES - Even though the PILOT is calculated on inside City assets, PILOT and indirect overhead allocations are included in the outside City wholesale revenue requirement
Oklahoma City (OKC)	Rick Giardina	Utilities Department is a department within the City of Oklahoma City	OKC Utilities Department pays a 2% PILOT based on inside City water and wastewater user charge revenue (except inside City raw water and public fire protection)	OKC Utilities Department also pays indirect overhead allocation to the City of Oklahoma City	NO - outside city customers do not pay for the 2% PILOT

Response to Request No. 3-79

**AUSTIN WATER UTILITY
FUND SUMMARY
For the period ended September 30, 2012**

	Total Approved Budget	Water Actual	Wastewater Actual	Reclaimed Actual	Total Actual	Variance	% Variance
BEGINNING BALANCE	46,752,900	42,322,379	29,419,314	-	71,741,693	24,988,793	53.4%
REVENUES							
Water Services	217,346,000	218,727,734	-	-	218,727,734	1,381,734	0.6%
Wastewater Services	216,345,137	-	211,374,785	-	211,374,785	(4,970,352)	-2.3%
Revenue Stability Fee	17,000,000	15,743,313	-	-	15,743,313	(1,256,687)	-7.4%
Reclaimed Services	879,424	-	-	567,309	567,309	(312,115)	-35.5%
Miscellaneous Revenue	6,409,136	1,920,469	3,297,658	-	5,218,127	(1,191,009)	-18.6%
Interest Income	804,807	55,319	212,977	-	268,296	(536,511)	-66.7%
TOTAL REVENUES:	458,784,504	236,446,835	214,885,420	567,309	451,899,564	(6,884,940)	-1.5%
Transfers In							
Public Works	300,582	150,291	150,291	-	300,582	-	0.0%
Capital Recovery Fees	4,300,000	3,000,000	1,300,000	-	4,300,000	-	0.0%
TOTAL TRANSFERS IN:	4,600,582	3,150,291	1,450,291	-	4,600,582	-	0.0%
TOTAL AVAILABLE FUNDS:	463,385,086	239,597,126	216,335,711	567,309	456,500,146	(6,884,940)	-1.5%
OPERATING REQUIREMENTS:							
Operations and Maintenance							
Treatment	67,499,431	34,032,153	30,670,772	-	64,702,925	2,796,506	4.1%
Pipeline Operations	33,790,188	21,546,112	13,949,779	-	35,495,891	(1,705,703)	-5.0%
Engineering Services	12,011,754	4,850,394	5,728,388	-	10,578,782	1,432,972	11.9%
Water Resources Management	4,041,065	2,053,135	2,161,691	-	4,214,826	(173,761)	-4.3%
Environmental Affairs & Conservation	12,248,660	7,866,156	1,885,543	-	9,751,699	2,496,961	20.4%
Support Services	16,718,781	9,702,143	9,459,837	-	19,161,980	(2,443,199)	-14.6%
Reclaimed Water Services	262,585	-	-	201,828	201,828	60,757	23.1%
One Stop Shop	523,962	219,302	342,143	-	561,445	(37,483)	-7.2%
Other Utility- Wide Requirements	6,491,926	2,860,345	2,140,914	-	5,001,259	1,490,667	23.0%
Total Operations & Maintenance	153,588,352	83,129,740	66,339,067	201,828	149,670,635	3,917,717	2.6%
Other Operating Requirements							
Accrued Payroll	198,591	164,348	187,817	-	352,165	(153,574)	-77.3%
Worker's Comp Fund Transfer	1,022,402	511,201	511,201	-	1,022,402	-	0.0%
Liability Reserve Fund Transfer	550,000	275,000	275,000	-	550,000	-	0.0%
Administrative Support	8,272,098	4,818,042	3,454,056	-	8,272,098	-	0.0%
AE Billing & Customer Care	16,556,100	10,573,659	5,982,441	-	16,556,100	-	0.0%
311 System Support	1,000,000	500,000	500,000	-	1,000,000	-	0.0%
CTM Support	3,125,227	1,562,613	1,562,614	-	3,125,227	-	0.0%
CTECC Emergency Operations Center	5,994	2,997	2,997	-	5,994	-	0.0%
Wage Adjustments Market Study	584,189	-	-	-	-	584,189	100.0%
Additional Retirement Contribution	4,376,882	2,027,030	2,023,739	-	4,050,769	326,113	7.5%
Total Other Requirements	35,691,483	20,434,890	14,499,865	-	34,934,755	756,728	2.1%
TOTAL OPERATING REQUIREMENTS:	189,279,835	103,564,630	80,838,932	201,828	184,605,390	4,674,445	2.5%
DEBT SERVICE REQUIREMENTS:							
Revenue Bond Debt Service	182,029,029	86,854,688	91,242,981	-	178,097,669	3,931,360	2.2%
Commercial Paper Debt Service	780,388	133,340	131,819	-	265,159	515,229	66.0%
General Obligation Debt Service	5,548,441	2,393,499	3,108,243	-	5,501,742	46,699	0.8%
Water District Bonds	719,268	266,158	453,110	-	719,268	-	0.0%
Total Debt Service Requirements:	189,077,126	89,647,685	94,936,153	-	184,583,838	4,493,288	2.4%
TRANSFERS							
Capital Improvement Program Funds	49,900,000	20,600,000	29,300,000	-	49,900,000	-	0.0%
General Fund	31,919,531	15,746,956	16,172,575	-	31,919,531	-	0.0%
Radio Communications Fund	361,978	180,989	180,989	-	361,978	-	0.0%
Economic Incentives Reserve Fund	333,333	166,666	166,667	-	333,333	-	0.0%
Sustainability Fund	4,587,844	2,372,240	2,206,732	8,872	4,587,844	-	0.0%
Public Improvement District	75,000	37,500	37,500	-	75,000	-	0.0%
Environmental Remediation Fund	364,191	182,095	182,096	-	364,191	-	0.0%
TOTAL TRANSFERS:	87,541,877	39,286,446	48,246,559	8,872	87,541,877	-	0.0%
TOTAL REQUIREMENTS:	465,898,838	232,498,761	224,021,644	210,700	456,731,105	9,167,733	2.0%
Excess (Deficiency) of Available Funds/Requirements	(2,513,752)	7,098,365	(7,685,933)	356,609	(230,959)	2,282,793	-90.8%
Adjustment to GAAP	-	1,043,101	379,364	(4,736)	1,417,729	1,417,729	
Ending Balance	44,239,148	50,463,845	22,112,745	351,873	72,928,463	28,689,315	64.9%

**AUSTIN WATER UTILITY
ADJUSTMENT TO GAAP
For the period ended September 30, 2012**

Additions to fund balance:

Liquidations of prior year encumbrances
Prepaid expense decrease
Closure of related funds
Bond issue costs
Inventory
Miscellaneous
Total additions to fund balance

Water	Wastewater	Reclaimed	Total
846,906	823,869	-	1,670,775
-	156	-	156
265,278	-	-	265,278
71,446	33,708	-	105,154
-	-	-	-
8,087	17,988	-	26,075
<u>1,191,717</u>	<u>875,721</u>	<u>-</u>	<u>2,067,438</u>

Reductions in fund balance:

Customer Deposits
Inventory increase
Prepaid expense increase
Miscellaneous
Total deductions from fund balance

(31,103)	(342,735)	-	(373,838)
(106,863)	(153,622)	-	(260,485)
(10,650)	-	-	(10,650)
-	-	(4,736)	(4,736)
<u>(148,616)</u>	<u>(496,357)</u>	<u>(4,736)</u>	<u>(649,709)</u>
<u>1,043,101</u>	<u>379,364</u>	<u>(4,736)</u>	<u>1,417,729</u>

Total

Austin Water Utility
Calculation of Ending Fund Balance
For the period ended September 30, 2012

	Sept 2012	Sept 2011	Change	Water Sept 2012	Sept 2011	Change	Wastewater Sept 2012	Sept 2011	Change	Reclaimed Sept 2012	Sept 2011	Change
CURRENT ASSETS												
Cash on hand	5,600	7,600	(2,000)	5,100	7,100	(2,000)	500	500	-	-	-	-
Pooled investments and cash	36,477,455	42,204,676	(5,727,221)	30,608,361	23,767,888	6,840,373	5,512,463	18,436,688	(12,924,225)	356,631	-	356,631
Pooled investments and cash GASB 31	(175,360)	(183,150)	7,790	(87,660)	(91,575)	3,895	(67,680)	(91,575)	3,895	-	-	-
Net accounts receivable	46,203,077	37,334,548	8,868,429	25,646,698	22,896,546	2,752,152	20,554,379	14,438,102	6,116,277	-	-	-
Total Current Assets	82,510,772	79,363,774	3,146,998	56,174,479	46,580,059	9,594,420	25,879,662	32,783,715	(6,904,053)	356,631	-	356,631
CURRENT LIABILITIES												
Accounts payable	2,902,092	2,629,757	272,335	1,851,032	1,806,141	44,891	1,051,060	823,616	227,444	-	-	-
Accrued payroll	1,785,796	1,437,631	352,165	899,961	740,349	159,612	885,096	697,282	187,817	4,736	-	4,736
Total Current Liabilities	4,687,888	4,067,388	624,500	2,750,993	2,546,490	204,503	1,936,156	1,520,998	415,261	4,736	-	4,736
ENCUMBRANCES												
Reserve for Encumbrances GA0001A-01-3505	6,871,081	5,434,154	1,436,927	4,253,280	3,006,844	1,246,436	2,617,779	2,427,310	190,469	22	-	22
Reserve for Encumbrances UnVAP GA0001A-01-3506	(1,969,646)	(1,879,656)	(109,792)	(1,302,627)	(1,295,877)	(6,650)	(687,021)	(563,879)	(103,142)	-	-	-
Reserve for Encumbrances GA0001A-01-3507	8,968	395	8,593	8,968	323	8,665	-	72	(72)	-	-	-
Total Encumbrances	4,890,421	3,554,693	1,335,728	2,959,641	1,711,190	1,248,451	1,930,758	1,843,503	87,255	22	-	22
Ending fund balance	72,928,463	71,741,693	1,186,770	50,463,845	42,322,379	8,141,466	22,112,745	29,419,314	(7,306,569)	351,873	-	351,873

Response to Request No. 3-80

**Austin Water Utility
Charge of Accounts**

BFY	Fund	Dept	Program	Activity	Unit	Division
2013	5025	2200	RWSV	RWSS	5501	Water Conservation
2013	5025	2200	RWSV	RWSS	5503	Pump Stations & Reservoir Maintenance
2013	5025	2200	RWSV	RWSS	5504	Pump Stations & Reservoir Maintenance
2013	5025	2200	9TRQ	9DBT	5803	Other Operating Expenses
2013	5025	2200	9TRQ	9DBT	5804	Other Operating Expenses
2013	5020	2200	TRMT	TSUP	6002	Treatment Support
2013	5020	2200	TRMT	TSUP	6003	Treatment Support
2013	5020	2200	TRMT	TSUP	6004	Security Management
2013	5020	2200	TRMT	TWTR	6021	Water Treatment
2013	5020	2200	TRMT	TWTR	6022	Water Treatment
2013	5020	2200	TRMT	TWTR	6031	Water Treatment
2013	5020	2200	TRMT	TWTR	6032	Water Treatment
2013	5020	2200	TRMT	TPSR	6042	Pump Stations & Reservoir Maintenance
2013	5020	2200	TRMT	TMNT	6043	Maintenance Services
2013	5020	2200	TRMT	TMNT	6044	Maintenance Services
2013	5020	2200	TRMT	TPSR	6045	Pump Stations & Reservoir Maintenance
2013	5020	2200	TRMT	TLAB	6050	Laboratory Services
2013	5020	2200	TRMT	TWTR	6061	Water Treatment
2013	5020	2200	TRMT	TWTR	6062	Water Treatment
2013	5020	2200	TRMT	TPEN	6070	Process Engineering
2013	5020	2200	POPS	PMSV	6211	Pipeline Management Services
2013	5020	2200	POPS	PWMO	6212	Water Meter Operations
2013	5020	2200	POPS	PIRH	6213	Construction & Rehabilitation Services
2013	5020	2200	POPS	PWMO	6214	Water Meter Operations
2013	5020	2200	ENGR	EFAC	6215	Distribution Engineering
2013	5020	2200	POPS	PFOP	6218	Water Meter Operations
2013	5020	2200	POPS	PFOP	6221	Distribution System Maintenance
2013	5020	2200	NVAC	PSSS	6222	Special Services
2013	5020	2200	POPS	PFOP	6223	Distribution System Maintenance
2013	5020	2200	POPS	PFOP	6225	Distribution System Maintenance
2013	5020	2200	NVAC	PSSS	6227	Special Services
2013	5020	2200	POPS	PFOP	6231	Distribution System Maintenance
2013	5020	2200	POPS	PFOP	6232	Distribution System Maintenance
2013	5020	2200	POPS	PWMO	6241	Water Meter Operations
2013	5020	2200	9MGT	9ADM	6242	Customer Service
2013	5020	2200	POPS	PIRH	6243	Construction & Rehabilitation Services
2013	5020	2200	9MGT	9ADM	6244	Customer Service
2013	5020	2200	9MGT	9ADM	6245	Customer Service
2013	5020	2200	POPS	PFOP	6246	Distribution System Maintenance
2013	5020	2200	9MGT	9ADM	6248	Facility Management
2013	5020	2200	WRMT	WSYP	6411	Systems Planning
2013	5020	2200	WRMT	WUDS	6412	Utility Development Svcs
2013	5020	2200	WRMT	WSYP	6414	Infrastructure Management
2013	5020	2200	POPS	PIRH	6416	Construction & Rehabilitation Services
2013	5020	2200	9MGT	9ADM	6417	Information Technology
2013	5020	2200	ENGR	EFEN	6420	Facility Engineering
2013	5020	2200	ENGR	EFEN	6422	Facility Engineering
2013	5020	2200	ENGR	EPIP	6431	Pipeline Engineering
2013	5020	2200	ENGR	EPIP	6433	Pipeline Engineering
2013	5020	2200	ENGR	ECOL	6440	Collection Engineering
2013	5020	2200	NVAC	NLAM	6604	Wildland Conservation
2013	5020	2200	NVAC	NLAM	6606	Wildland Conservation
2013	5020	2200	NVAC	NLAM	6607	Wildland Conservation
2013	5020	2200	NVAC	NREG	6608	Regulatory Support
2013	5020	2200	9MGT	9ADM	6609	Internal Audit
2013	5020	2200	9MGT	9ADM	6610	Office of Director
2013	5020	2200	9MGT	9ADM	6611	Public Involvement
2013	5020	2200	9MGT	9ADM	6613	Budget & Accounting
2013	5020	2200	9MGT	9ADM	6615	Budget & Accounting
2013	5020	2200	WRMT	WSRB	6616	Utility Development Svcs
2013	5020	2200	WRMT	WSRB	6617	Utility Development Svcs
2013	5020	2200	9MGT	9ADM	6621	Human Resource Services
2013	5020	2200	9MGT	9ADM	6622	Human Resource Services
2013	5020	2200	9MGT	9ADM	6623	Human Resource Services
2013	5020	2200	9MGT	9ADM	6640	Safety and Tech Training
2013	5020	2200	9MGT	9ADM	6711	Financial Management
2013	5020	2200	9MGT	9ADM	6712	Financial Management
2013	5020	2200	9MGT	9ADM	6714	Budget & Accounting
2013	5020	2200	9MGT	9ADM	6721	Budget & Accounting
2013	5020	2200	9MGT	9ADM	6722	Facility Management
2013	5020	2200	9MGT	9ADM	6723	Facility Management
2013	5020	2200	9MGT	9ADM	6731	Information Technology
2013	5020	2200	NVAC	NCON	6800	Water Conservation
2013	5020	2200	9TRQ	9REQ	6801	Other Operating Requirements
2013	5020	2200	9TRQ	9REQ	6802	Other Operating Expenses
2013	5020	2200	9TRQ	9DBT	6803	Other Operating Expenses
2013	5020	2200	9TRQ	9DBT	6804	Other Operating Expenses
2013	5020	2200	NVAC	NCON	6805	Water Conservation
2013	5020	2200	9TRQ	9REQ	6806	Other Operating Expenses
2013	5020	2200	NVAC	NCON	6810	Water Conservation
2013	5020	2200	NVAC	NCON	6811	Public Involvement
2013	5020	2200	NVAC	NCON	6815	Water Conservation
2013	5020	2200	9TRQ	9REQ	6819	Other Operating Expenses
2013	5020	2200	NVAC	NCON	6820	Water Conservation
2013	5020	2200	9TRQ	9REQ	6825	Other Operating Expenses
2013	5020	2200	9TRQ	9REQ	6827	Other Operating Expenses
2013	7650	2200	NVAC	NCON	6830	Water Conservation
2013	5020	2200	9TRQ	9REQ	6831	Other Operating Expenses

**Austin Water Utility
Charge of Accounts**

BFY	Fund	Dept	Program	Activity	Unit	Division
2013	5020	2200	9TRQ	9REQ	6843	Other Operating Expenses
2013	7650	2200	NVAC	NCON	6900	Water Conservation
2013	5020	2200	1SSP	6SPT	7733	Utility Development Svcs
2013	5020	2200	1SSP	6SPT	7746	Pipeline Engineering
2013	5030	2200	1SSP	6SPT	7748	Special Services
2013	5020	2200	1SSP	6SPT	7749	Special Services
2013	5020	2200	1SSP	6SPT	7763	Customer Service
2013	5030	2200	1SSP	6SPT	7775	Utility Development Svcs
2013	5030	2200	1SSP	6SPT	7789	Utility Development Svcs
2013	5030	2200	TRMT	TSUP	8002	Treatment Support
2013	5030	2200	TRMT	TSUP	8003	Treatment Support
2013	5030	2200	TRMT	TSUP	8004	Security Management
2013	5030	2200	TRMT	TWWT	8011	Wastewater Treatment
2013	5030	2200	TRMT	TWWT	8012	Wastewater Treatment
2013	5030	2200	TRMT	TLIF	8021	Lift Stations and Remote Facilities
2013	5030	2200	TRMT	TLIF	8022	Lift Stations and Remote Facilities
2013	5030	2200	TRMT	TWWT	8031	Wastewater Treatment
2013	5030	2200	TRMT	TWWT	8032	Wastewater Treatment
2013	5030	2200	TRMT	TWWT	8033	Wastewater Treatment
2013	5030	2200	TRMT	TMNT	8043	Maintenance Services
2013	5030	2200	TRMT	TMNT	8044	Maintenance Services
2013	5030	2200	TRMT	TWWT	8051	Wastewater Treatment
2013	5030	2200	TRMT	TWWT	8052	Wastewater Treatment
2013	5030	2200	TRMT	TLIF	8053	Lift Stations and Remote Facilities
2013	5030	2200	TRMT	TLIF	8054	Lift Stations and Remote Facilities
2013	5030	2200	TRMT	TLAB	8061	Laboratory Services
2013	5030	2200	TRMT	TLAB	8063	Laboratory Services
2013	5030	2200	TRMT	TPEN	8070	Process Engineering
2013	5030	2200	POPS	PFOP	8212	Water Meter Operations
2013	5030	2200	POPS	PWMO	8214	Water Meter Operations
2013	5030	2200	POPS	PMSV	8217	Pipeline Management Services
2013	5030	2200	POPS	PIRH	8218	Construction & Rehabilitation Services
2013	5030	2200	NVAC	PSSS	8221	Special Services
2013	5030	2200	NVAC	PSSS	8227	Special Services
2013	5030	2200	POPS	PCSS	8231	Collection System Services
2013	5030	2200	POPS	PIRH	8243	Construction & Rehabilitation Services
2013	5030	2200	9MGT	9ADM	8248	Facility Management
2013	5030	2200	POPS	PIRH	8410	Construction & Rehabilitation Services
2013	5030	2200	WRMT	WSYP	8411	Systems Planning
2013	5030	2200	WRMT	WUDS	8412	Utility Development Svcs
2013	5030	2200	WRMT	WSYP	8414	Infrastructure Management
2013	5030	2200	WRMT	WUDS	8415	Utility Development Svcs
2013	5030	2200	9MGT	9ADM	8417	Information Technology
2013	5030	2200	ENGR	EFEN	8420	Facility Engineering
2013	5030	2200	ENGR	EFEN	8422	Facility Engineering
2013	5030	2200	ENGR	EPIP	8431	Pipeline Engineering
2013	5030	2200	ENGR	EPIP	8433	Pipeline Engineering
2013	5030	2200	ENGR	ECOL	8440	Collection Engineering
2013	5030	2200	POPS	PCSS	8442	Collection System Services
2013	5030	2200	POPS	PCSS	8443	Collection System Services
2013	5030	2200	POPS	PCSS	8447	Collection System Services
2013	5030	2200	NVAC	NREG	8607	Regulatory Support
2013	5030	2200	9MGT	9ADM	8609	Internal Audit
2013	5030	2200	9MGT	9ADM	8610	Office of Director
2013	5030	2200	9MGT	9ADM	8611	Financial Management
2013	5030	2200	9MGT	9ADM	8612	Financial Management
2013	5030	2200	9MGT	9ADM	8613	Budget & Accounting
2013	5030	2200	9MGT	9ADM	8614	Budget & Accounting
2013	5030	2200	9MGT	9ADM	8615	Budget & Accounting
2013	5030	2200	WRMT	WSRB	8616	Utility Development Svcs
2013	5030	2200	WRMT	WSRB	8617	Utility Development Svcs
2013	5030	2200	NVAC	NREG	8618	Regulatory Support
2013	5030	2200	9MGT	9ADM	8621	Budget & Accounting
2013	5030	2200	9MGT	9ADM	8622	Facility Management
2013	5030	2200	9MGT	9ADM	8623	Facility Management
2013	5030	2200	9MGT	9ADM	8631	Information Technology
2013	5030	2200	9MGT	9ADM	8642	Customer Service
2013	5030	2200	9MGT	9ADM	8644	Customer Service
2013	5030	2200	9MGT	9ADM	8645	Customer Service
2013	5030	2200	9MGT	9ADM	8711	Public Involvement
2013	5030	2200	9MGT	9ADM	8721	Human Resource Services
2013	5030	2200	9MGT	9ADM	8722	Human Resource Services
2013	5030	2200	9MGT	9ADM	8723	Human Resource Services
2013	5030	2200	9MGT	9ADM	8740	Safety and Tech Training
2013	5030	2200	9TRQ	9REQ	8801	Other Operating Requirements
2013	5030	2200	9TRQ	9REQ	8802	Other Operating Expenses
2013	5030	2200	9TRQ	9DBT	8803	Other Operating Expenses
2013	5030	2200	9TRQ	9DBT	8804	Other Operating Expenses
2013	5030	2200	9TRQ	9REQ	8806	Other Operating Expenses
2013	5020	2200	9TRQ	9XDT	9997	Debt Service
2013	5020	2200	9TRQ	9REQ	9998	Other Operating Requirements
2013	5020	2200	9TRQ	9XFR	9999	Transfer Out

Response to
Request
No. 3-84

Residential

Revenue Forecast Data - Wastewater FY 2012-13

Summary Sheet - Residential Wastewater Revenue Forecast

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Average Flow Per Account													
2011-12 CYE	4,467	4,341	4,318	4,266	4,056	4,109	4,550	4,541	4,589	4,550	4,531	4,581	4,346
2012-13	4,782	4,647	4,622	4,567	4,342	4,399	4,870	4,860	4,912	4,871	4,850	4,904	4,570
2013-14	4,782	4,647	4,622	4,567	4,342	4,399	4,870	4,860	4,912	4,871	4,850	4,904	4,720
2014-15	4,782	4,647	4,622	4,567	4,342	4,399	4,870	4,860	4,912	4,871	4,850	4,904	4,720
2015-16	4,782	4,647	4,622	4,567	4,342	4,399	4,870	4,860	4,912	4,871	4,850	4,904	4,720
2016-17	4,782	4,647	4,622	4,567	4,342	4,399	4,870	4,860	4,912	4,871	4,850	4,904	4,720
Average Account Growth by Month													
18 Year	-0.02%	-0.05%	0.19%	0.15%	0.12%	0.37%	0.16%	0.24%	0.46%	0.19%	0.43%	-0.33%	1.91%
Projected Number of Accounts													
2011-12 CYE	182,212	182,290	182,639	183,112	183,202	183,697	183,707	184,279	185,027	185,279	185,976	185,262	2,206,682
2012-13	185,188	185,058	185,372	185,613	185,799	186,449	186,710	187,120	187,943	188,262	189,034	189,372	2,240,920
2013-14	188,295	188,162	188,480	188,723	188,910	189,569	189,833	190,249	191,084	191,407	192,190	191,516	2,278,418
2014-15	191,485	191,352	191,670	191,913	192,100	192,759	193,023	193,439	194,274	194,597	195,380	194,706	2,311,676
2015-16	196,316	196,183	196,501	196,744	196,931	197,590	197,854	198,270	199,105	199,428	200,211	200,534	2,390,107
2016-17	201,453	201,320	201,638	201,881	202,068	202,727	203,000	203,416	204,251	204,574	205,357	205,680	2,440,447

Projected Total Flow

2011-12 CYE	844,558,480	801,182,870	750,341,900	746,902,300	694,610,700	726,087,700	809,094,301	834,141,811	849,088,900	843,019,500	842,657,300	848,685,200	9,590,350,762
2012-13	827,234,800	803,336,800	800,436,300	791,825,100	753,600,700	766,118,900	909,277,700	909,403,200	923,176,000	917,024,200	916,814,900	923,776,300	10,242,024,900
2013-14	900,426,700	874,388,800	871,154,600	861,897,900	820,247,200	833,914,000	924,486,700	924,610,100	938,604,600	932,343,500	932,121,500	939,194,500	10,753,390,100
2014-15	915,681,300	894,212,900	891,126,200	881,878,600	839,473,600	853,674,300	946,625,700	946,980,400	961,563,300	955,388,200	955,396,700	962,885,700	11,004,886,900
2015-16	938,783,100	911,862,200	908,712,900	904,992,200	861,474,500	876,047,700	971,438,400	971,810,500	986,766,800	980,430,000	980,437,200	988,121,700	11,280,877,200
2016-17	963,348,200	935,682,700	932,414,500	922,703,000	878,299,800	893,120,200	990,328,100	990,667,300	1,005,874,400	999,373,300	999,347,400	1,007,139,400	11,518,299,300

Average Distribution of Maximum Flow by Block

Block 1	91.96%	91.39%	91.87%	91.57%	91.09%	91.28%	91.38%	91.38%	91.83%	91.60%	91.67%	92.00%	
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Volumetric Rates:

Block 1	\$3.79	Average Monthly Customer Charge:											
Block 2	8.38	\$9.25											

Residential

Revenue Forecast Data - Wastewater

FY 2012-13

Summary Sheet (Continued) - Residential Wastewater Revenue Forecast

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Projected Customer Charge Revenue													
2011-12 CYE	1,592,975	1,649,182	1,663,973	1,663,517	1,662,911	1,670,131	1,666,895	1,668,895	1,677,025	1,679,310	1,685,628	1,679,153	19,957,595
2012-13	1,678,477	1,677,303	1,680,152	1,626,187	1,618,565	1,614,976	1,607,983	1,602,267	1,600,065	1,593,535	1,590,815	1,575,997	19,466,322
2013-14	1,566,089	1,555,739	1,549,116	1,541,864	1,534,140	1,530,246	1,523,124	1,526,463	1,533,160	1,535,750	1,542,031	1,536,619	18,474,351
2014-15	1,536,370	1,545,203	1,548,200	1,550,587	1,552,511	1,558,320	1,560,873	1,564,684	1,571,945	1,574,998	1,581,833	1,576,681	18,722,205
2015-16	1,576,431	1,575,710	1,578,762	1,592,758	1,594,737	1,600,703	1,603,330	1,607,243	1,614,899	1,617,834	1,624,855	1,619,555	19,206,617
2016-17	1,619,231	1,618,417	1,621,488	1,623,921	1,625,873	1,631,885	1,634,494	1,638,416	1,645,954	1,649,081	1,656,176	1,650,709	19,615,645
Projected Volumetric Revenue													
2011-12 CYE	5,330,382	5,154,446	4,764,033	4,713,468	4,297,346	4,543,610	5,220,985	5,443,096	5,555,588	5,506,446	5,496,355	5,547,333	61,573,088
2012-13	5,368,884	5,179,366	5,144,290	5,075,277	4,761,545	4,857,692	6,053,565	6,051,125	6,151,856	6,101,522	6,092,060	6,150,331	66,987,513
2013-14	5,956,003	5,748,740	5,710,698	5,636,344	5,294,029	5,399,671	6,154,819	6,152,311	6,254,669	6,203,450	6,193,770	6,252,983	70,957,487
2014-15	6,056,907	5,879,075	5,841,618	5,767,008	5,418,120	5,527,620	6,302,210	6,301,229	6,407,662	6,356,780	6,348,429	6,410,714	72,617,372
2015-16	6,209,717	5,995,111	5,956,904	5,918,158	5,560,117	5,672,490	6,467,403	6,466,381	6,575,613	6,523,398	6,514,819	6,576,731	74,438,842
2016-17	6,372,206	6,151,722	6,112,277	6,033,977	5,668,711	5,783,036	6,593,168	6,591,853	6,702,942	6,649,440	6,640,474	6,705,347	76,005,153
Total Projected Revenue													
2011-12 CYE	6,923,357	6,803,628	6,428,005	6,376,986	5,960,257	6,213,741	6,887,880	7,109,991	7,232,613	7,185,756	7,181,963	7,226,486	81,530,683
2012-13	7,047,361	6,856,669	6,824,442	6,701,464	6,380,110	6,472,668	7,661,548	7,653,392	7,751,921	7,695,057	7,682,875	7,726,328	86,453,835
2013-14	7,522,102	7,304,479	7,259,814	7,176,208	6,828,169	6,929,917	7,677,943	7,678,774	7,787,829	7,739,200	7,735,801	7,789,602	89,431,838
2014-15	7,593,277	7,424,278	7,389,818	7,317,595	6,970,631	7,085,940	7,863,083	7,865,913	7,979,607	7,931,778	7,930,262	7,987,395	91,339,577
2015-16	7,786,148	7,570,821	7,535,666	7,510,916	7,154,854	7,273,193	8,070,733	8,073,624	8,190,312	8,141,232	8,139,674	8,196,286	93,645,459
2016-17	7,991,437	7,770,139	7,733,765	7,657,898	7,294,584	7,414,921	8,227,662	8,230,269	8,348,896	8,298,521	8,296,650	8,356,056	95,620,798

Residential

Revenue Forecast Data - Wastewater

FY 2012-13

A	Flow History - Billed (By COA Billing System)													
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total	
1993-94 Act	626,699,500	593,163,800	583,001,700	582,809,300	572,862,650	607,147,050	643,635,200	648,021,800	661,084,400	688,037,000	707,356,200	671,531,400	7,585,350,000	
1994-95 Act	651,292,400	601,491,300	600,713,200	592,109,100	577,188,800	616,505,200	630,894,600	636,017,700	645,715,900	657,400,400	672,429,100	659,890,100	7,541,647,800	
1995-96 Act	610,034,200	630,129,900	614,300,900	613,120,900	615,674,600	664,751,400	691,758,900	704,298,700	710,160,300	699,901,500	709,868,200	675,399,200	7,939,398,700	
1996-97 Act	633,794,600	639,730,200	620,644,200	626,710,900	609,397,200	623,583,700	662,543,500	673,863,000	660,670,400	669,211,400	697,750,600	699,700,600	7,817,600,300	
1997-98 Act	685,213,300	642,470,200	621,823,900	612,797,000	631,644,800	662,718,600	705,781,500	724,061,700	752,292,200	750,011,000	748,073,900	725,441,200	8,262,329,300	
1998-99 Act	706,492,700	667,544,700	665,650,400	679,053,200	671,460,900	725,764,800	791,584,000	802,406,900	781,081,000	790,551,100	795,650,700	834,557,600	8,911,798,000	
1999-00 Act	811,519,400	794,670,200	790,293,500	747,006,700	710,298,200	743,723,900	810,077,800	813,109,700	831,916,400	837,935,500	833,949,000	844,611,800	9,569,112,100	
2000-01 Act	806,172,100	708,945,800	704,968,600	692,178,200	680,836,900	733,745,000	711,668,600	718,267,500	732,412,700	732,606,300	749,217,800	730,846,200	8,641,863,700	
2001-02 Act	694,353,000	690,597,100	686,159,100	675,040,800	679,962,300	672,540,500	757,305,800	766,447,100	777,097,400	745,285,200	745,622,300	765,717,200	8,665,127,600	
2002-03 Act	742,684,800	707,666,100	723,540,400	701,546,800	677,368,000	677,751,900	729,980,400	740,712,100	746,824,600	738,139,300	745,580,700	740,051,800	8,671,946,700	
2003-04 Act	717,502,300	710,129,000	709,454,900	715,809,300	666,988,800	658,731,900	782,403,100	766,263,200	765,033,600	780,738,700	754,902,300	774,129,800	8,916,024,800	
2004-05 Act	778,113,200	742,746,800	730,084,100	722,420,000	669,851,200	691,714,500	756,033,600	750,056,200	781,965,600	774,104,200	791,665,100	794,350,000	8,869,367,400	
2005-06 Act	767,079,400	737,554,000	747,555,500	736,883,900	708,913,800	727,489,400	747,972,400	794,395,000	829,205,600	829,723,700	841,457,100	845,982,900	9,314,212,700	
2006-07 Act	817,403,200	761,322,100	787,545,100	749,619,500	692,898,600	751,580,900	792,463,200	783,128,600	791,214,500	763,148,300	768,433,400	790,451,200	9,249,188,600	
2007-08 Act	774,323,800	775,144,500	777,089,900	768,508,100	729,241,900	745,136,100	831,792,600	826,291,600	849,680,500	874,354,900	866,161,700	858,174,700	9,675,900,300	
2008-09 Act	854,379,300	816,131,000	821,541,900	813,503,200	767,167,700	779,666,300	910,077,000	898,703,500	932,585,600	947,670,000	939,242,300	923,690,900	10,404,348,700	
2009-10 Act	817,818,400	761,169,100	774,203,500	769,982,700	694,480,900	721,458,200	744,463,600	744,094,400	753,319,500	746,539,500	741,775,500	753,819,600	9,023,114,900	
2010-11 Act	722,206,000	715,705,300	726,371,100	718,970,800	687,184,800	701,370,600	842,622,300	848,374,900	850,225,100	848,446,300	847,309,900	850,690,800	9,359,477,900	
2011-12 C/YE	844,558,480	801,162,670	750,341,900	748,902,300	694,610,700	726,087,700	809,094,301	834,141,811	0	0	0	0	6,206,899,862	

Residential Revenue Forecast Data - Wastewater FY 2012-13

B1 Account History - Number of Accounts Billed (Non CAP)

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1994-95 Act	121,387	121,263	121,368	121,512	121,574	121,984	121,561	122,220	123,302	122,828	123,662	122,926	1,465,587
1995-96 Act	122,843	123,120	123,132	123,977	123,943	124,462	124,812	125,271	126,050	126,438	126,890	126,026	1,496,964
1996-97 Act	126,399	125,943	126,497	126,356	126,488	126,727	127,344	127,529	128,407	128,628	128,909	128,808	1,528,035
1997-98 Act	128,830	127,826	128,699	128,222	135,640	137,088	137,283	137,741	139,699	139,357	139,883	139,728	1,619,996
1998-99 Act	139,240	139,357	140,181	140,243	141,076	141,794	141,884	142,284	143,428	143,619	144,471	144,096	1,701,673
1999-00 Act	139,914	140,966	141,353	140,650	140,178	142,781	142,509	143,561	143,939	145,069	145,149	145,629	1,711,698
2000-01 Act	145,681	145,348	145,565	146,196	146,220	147,226	147,333	147,579	148,117	148,565	149,059	148,375	1,765,264
2001-02 Act	148,498	148,527	148,777	148,983	150,613	151,156	151,494	151,680	152,442	152,489	152,657	152,640	1,809,936
2002-03 Act	152,546	153,336	153,934	153,817	153,929	153,166	154,415	154,350	155,117	155,425	155,542	153,818	1,849,395
2003-04 Act	155,542	155,412	156,137	156,062	156,243	156,678	156,887	157,194	158,028	158,206	158,959	158,649	1,883,997
2004-05 Act	158,801	158,799	159,080	159,238	159,291	159,956	160,203	160,773	161,805	162,017	163,063	162,517	1,925,543
2005-06 Act	162,922	162,881	163,162	163,566	163,722	164,954	165,660	165,926	166,691	166,956	168,097	167,801	1,982,338
2006-07 Act	167,875	167,947	168,204	168,537	168,782	169,540	169,603	170,307	171,038	171,125	172,216	171,544	2,036,718
2007-08 Act	171,644	171,465	171,767	172,152	172,152	172,602	173,015	172,898	173,888	174,071	175,028	174,028	2,084,490
2008-09 Act	177,819	175,127	175,441	175,588	175,550	175,625	175,831	175,529	176,359	176,359	176,362	176,389	2,111,573
2009-10 Act	176,048	175,420	175,037	175,264	175,110	175,604	175,802	175,764	176,052	175,551	176,531	175,425	2,107,608
2010-11 Act	175,368	175,310	175,358	175,977	176,880	177,219	177,218	177,473	178,874	178,767	179,474	177,966	2,125,914
2011-12 C/YE	177,518	177,922	178,967	179,425	179,289	179,776	179,811	180,567	0	0	0	0	1,433,275

B2 Account History - Number of Accounts Billed (CAP)

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2008-09 Act	0	2,529	2,559	2,560	2,581	2,618	2,958	3,459	3,490	3,488	3,574	3,685	33,501
2009-10 Act	3,775	4,333	4,653	4,708	4,820	4,904	5,049	5,162	5,267	5,788	5,841	5,867	60,187
2010-11 Act	5,858	5,882	5,861	5,360	4,691	4,691	4,744	4,778	4,069	4,222	4,390	4,875	59,321
2011-12 C/YE	4,694	4,368	3,672	3,687	3,913	3,921	3,896	3,712	0	0	0	0	31,863

B3 Account History - Number of Accounts Billed (Total CAP and Non CAP)

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1994-95 Act	121,387	121,263	121,368	121,512	121,574	121,984	121,561	122,220	123,302	122,828	123,662	122,926	1,465,587
1995-96 Act	122,843	123,120	123,132	123,977	123,943	124,462	124,812	125,271	126,050	126,438	126,890	126,026	1,496,964
1996-97 Act	126,399	125,943	126,497	126,356	126,488	126,727	127,344	127,529	128,407	128,628	128,909	128,808	1,528,035
1997-98 Act	128,830	127,826	128,699	128,222	135,640	137,088	137,283	137,741	139,699	139,357	139,883	139,728	1,619,996
1998-99 Act	139,240	139,357	140,181	140,243	141,076	141,794	141,884	142,284	143,428	143,619	144,471	144,096	1,701,673
1999-00 Act	139,914	140,966	141,353	140,650	140,178	142,781	142,509	143,561	143,939	145,069	145,149	145,629	1,711,698
2000-01 Act	145,681	145,348	145,565	146,196	146,220	147,226	147,333	147,579	148,117	148,565	149,059	148,375	1,765,264
2001-02 Act	148,498	148,527	148,777	148,983	150,613	151,156	151,494	151,680	152,442	152,489	152,657	152,640	1,809,936
2002-03 Act	152,546	153,336	153,934	153,817	153,929	153,166	154,415	154,350	155,117	155,425	155,542	153,818	1,849,395
2003-04 Act	155,542	155,412	156,137	156,062	156,243	156,678	156,887	157,194	158,028	158,206	158,959	158,649	1,883,997
2004-05 Act	158,801	158,799	159,080	159,238	159,291	159,956	160,203	160,773	161,805	162,017	163,063	162,517	1,925,543
2005-06 Act	162,922	162,881	163,162	163,566	163,722	164,954	165,660	165,926	166,691	166,956	168,097	167,801	1,982,338
2006-07 Act	167,875	167,947	168,204	168,537	168,782	169,540	169,603	170,307	171,038	171,125	172,216	171,544	2,036,718
2007-08 Act	171,644	171,465	171,767	172,152	172,152	172,602	173,015	172,898	173,888	174,071	175,028	174,028	2,084,490
2008-09 Act	177,819	175,127	175,441	175,588	175,550	175,625	175,831	175,529	176,359	176,359	176,362	176,389	2,111,573
2009-10 Act	176,048	175,420	175,037	175,264	175,110	175,604	175,802	175,764	176,052	175,551	176,531	175,425	2,107,608
2010-11 Act	175,368	175,310	175,358	175,977	176,880	177,219	177,218	177,473	178,874	178,767	179,474	177,966	2,125,914
2011-12 C/YE	182,212	182,290	182,639	183,112	183,202	183,697	183,707	184,279	0	0	0	0	1,465,138

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Revenue Forecast Data - Wastewater

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D	Account Growth by Month (Growth of B)	October	November	December	January	February	March	April	May	June	July	August	September	FY Total
Fiscal Year														
1993-94 Act	-0.04%	0.08%	0.19%	0.40%	-0.18%	0.50%	0.34%	-0.11%	0.34%	0.50%	-0.50%	0.50%	-0.85%	0.82%
1994-95 Act	-0.09%	-0.10%	0.09%	0.12%	0.05%	0.34%	0.54%	-0.35%	0.54%	0.50%	-0.38%	0.68%	-0.80%	0.80%
1995-96 Act	-0.07%	0.23%	0.01%	0.69%	-0.03%	0.42%	0.31%	0.28%	0.37%	0.36%	-0.38%	0.68%	-0.68%	2.50%
1996-97 Act	0.30%	-0.38%	0.44%	-0.11%	0.10%	0.19%	0.15%	0.49%	0.17%	0.69%	0.17%	0.22%	-0.08%	2.19%
1997-98 Act	0.02%	-0.78%	0.15%	-0.37%	0.50%	0.50%	0.33%	0.14%	0.33%	0.50%	-0.24%	0.38%	-0.11%	1.01%
1998-99 Act	-0.35%	0.08%	0.59%	0.04%	0.56%	0.51%	0.74%	0.06%	0.28%	0.50%	0.13%	0.59%	-0.28%	2.79%
1999-00 Act	-0.75%	0.00%	0.27%	0.50%	-0.34%	1.00%	0.17%	-0.19%	0.74%	0.26%	0.79%	0.50%	0.33%	3.12%
2000-01 Act	-0.80%	-0.23%	0.15%	0.43%	0.02%	0.36%	0.12%	0.22%	0.12%	0.36%	0.30%	0.33%	-0.46%	0.85%
2001-02 Act	0	0.02%	0.17%	0.14%	1.09%	0.07%	-0.04%	0.82%	-0.04%	0.50%	0.02%	0.12%	-0.01%	2.84%
2002-03 Act	-0.06%	0.52%	0.39%	-0.08%	0.00%	0.28%	0.20%	0.13%	0.20%	0.53%	0.20%	0.08%	-1.11%	0.78%
2003-04 Act	1.12%	-0.06%	0.18%	-0.05%	0.03%	0.42%	0.38%	0.15%	0.38%	0.64%	0.11%	0.65%	-0.33%	2.67%
2004-05 Act	0.10%	0.00%	0.17%	0.10%	0.10%	0.75%	0.16%	0.43%	0.16%	0.46%	0.16%	0.68%	-0.18%	2.42%
2005-06 Act	0.25%	-0.03%	0.15%	0.20%	0.15%	0.45%	0.42%	0.04%	0.42%	0.43%	0.05%	0.64%	-0.39%	3.21%
2006-07 Act	0.06%	-0.10%	0.18%	0.22%	0.00%	0.26%	-0.07%	0.24%	-0.07%	0.46%	1.95%	0.53%	-0.39%	2.21%
2007-08 Act	0.00%	-0.09%	0.19%	0.08%	-0.01%	0.06%	0.11%	0.31%	0.11%	0.25%	0.23%	0.05%	0.01%	3.73%
2008-09 Act	0.00%	-0.14%	-0.04%	0.16%	-0.02%	0.32%	0.05%	0.19%	0.05%	0.21%	0.05%	0.05%	0.08%	1.26%
2009-10 Act	-0.14%	-0.04%	-0.04%	0.05%	0.06%	0.25%	0.16%	0.03%	0.05%	0.38%	0.03%	0.57%	-0.59%	0.68%
2010-11 Act	-0.04%	-0.02%	0.03%	0.05%	0.08%	0.25%	0.31%	0.03%	0.16%	0.38%	0.03%	0.48%	-0.54%	0.87%
2011-12 CYE	-0.36%	0.04%	0.19%	0.26%	0.05%	0.27%	0.31%	0.01%	0.31%	0.00%	0.00%	0.00%	0.00%	0.77%
18 Year Average	-0.02%	-0.05%	0.19%	0.15%	0.12%	0.37%	0.24%	0.16%	0.24%	0.46%	0.19%	0.43%	-0.33%	1.91%
2011-12 CYE	-0.36%	0.04%	0.19%	0.26%	0.05%	0.27%	0.31%	0.01%	0.31%	0.41%	0.14%	0.38%	-0.38%	1.31%
2012-13	-0.04%	-0.07%	0.17%	0.13%	0.10%	0.35%	0.22%	0.14%	0.22%	0.44%	0.17%	0.41%	-0.35%	1.68%
2013-14	-0.04%	-0.07%	0.17%	0.13%	0.10%	0.35%	0.22%	0.14%	0.22%	0.44%	0.17%	0.41%	-0.35%	1.67%
2014-15	-0.02%	-0.05%	0.19%	0.15%	0.12%	0.37%	0.24%	0.16%	0.24%	0.46%	0.19%	0.43%	-0.33%	2.52%
2015-16	-0.02%	-0.05%	0.19%	0.15%	0.12%	0.37%	0.24%	0.16%	0.24%	0.46%	0.19%	0.43%	-0.33%	2.62%
2016-17	-0.02%	-0.05%	0.19%	0.15%	0.12%	0.37%	0.24%	0.16%	0.24%	0.46%	0.19%	0.43%	-0.33%	1.92%

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E1	- Latest Non CAP Actual (From B1) x D Average Growth by Month													
Fiscal Year	Projected Accounts (Non CAP)													
	October	November	December	January	February	March	April	May	June	July	August	September	Total	
2011-12 C YE	177,518	177,922	178,967	179,425	179,289	179,776	179,811	180,567	181,300	181,547	182,230	181,530	2,159,882	
2012-13	181,457	181,330	181,638	175,804	174,980	174,592	173,836	173,218	172,980	172,274	171,980	170,378	2,104,467	
2013-14	169,308	168,188	167,472	166,688	165,853	165,432	164,662	165,023	165,747	166,027	166,706	166,121	1,997,227	
2014-15	166,094	167,049	167,373	167,631	167,839	168,467	168,743	169,155	169,940	170,270	171,009	170,452	2,024,022	
2015-16	170,425	170,347	170,677	172,190	172,404	173,049	173,333	173,756	174,562	174,901	175,680	175,087	2,076,391	
2016-17	175,052	174,964	175,296	175,559	175,770	176,420	176,702	177,126	177,941	178,279	179,046	178,455	2,120,610	

E2	- Latest CAP Actual (From B2) x D Average Growth by Month													
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total	
2011-12 CYE	4,694	4,368	3,672	3,687	3,913	3,921	3,896	3,712	3,727	3,732	3,746	3,732	46,800	
2012-13	3,731	3,728	3,734	9,809	10,819	11,857	12,874	13,902	14,963	15,988	17,054	17,994	136,453	
2013-14	18,987	19,974	21,008	22,035	23,057	24,137	25,171	25,226	25,337	25,380	25,484	25,395	281,191	
2014-15	25,391	25,379	25,428	25,467	25,499	25,594	25,636	25,699	25,818	25,868	25,980	25,895	307,654	
2015-16	25,891	25,879	25,929	25,969	26,001	26,098	26,141	26,205	26,327	26,378	26,492	26,406	313,716	
2016-17	26,401	26,388	26,438	26,478	26,510	26,608	26,651	26,715	26,838	26,889	27,005	26,916	319,837	

E3	Projected Accounts (Total)														(E1 + E2)	
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total			
2011-12 C/YE	182,212	182,290	182,639	183,112	183,202	183,697	183,707	184,279	185,027	185,279	185,976	185,262	2,206,682			
2012-13	185,188	185,058	185,372	185,613	185,799	186,449	186,710	187,120	187,943	188,262	189,034	188,372	2,240,920			
2013-14	188,295	188,162	188,480	188,723	188,910	189,569	189,833	190,249	191,084	191,407	192,190	191,518	2,278,418			
2014-15	191,485	192,428	192,801	193,098	193,338	194,061	194,379	194,854	195,758	196,138	196,989	196,347	2,331,676			
2015-16	196,316	196,226	196,606	196,159	198,405	199,147	199,474	199,961	200,889	201,279	202,152	201,493	2,390,107			
2016-17	201,453	201,352	201,734	202,037	202,280	203,028	203,353	203,841	204,779	205,168	206,051	205,371	2,440,447			

F	\$9.25 Average Rate Per Account													
Fiscal Year	Monthly Customer Charge (Avg Rate x E1)	October	November	December	January	February	March	April	May	June	July	August	September	Total
	Enter rounded \$'s - no pennies.													
2011-12 CYE		1,592,975	1,649,182	1,663,973	1,663,517	1,662,911	1,670,131	1,666,895	1,666,895	1,677,025	1,679,310	1,685,628	1,679,153	19,957,595
2012-13		1,678,477	1,677,303	1,680,152	1,626,187	1,618,565	1,614,976	1,607,983	1,602,267	1,600,065	1,593,535	1,590,815	1,575,997	19,466,322
2013-14		1,566,099	1,555,739	1,549,116	1,541,864	1,534,140	1,530,246	1,523,124	1,526,463	1,533,160	1,535,750	1,542,031	1,536,619	18,474,351
2014-15		1,536,370	1,545,203	1,548,200	1,550,587	1,552,511	1,558,320	1,560,873	1,564,684	1,571,945	1,574,998	1,581,833	1,576,681	18,722,205
2015-16		1,576,431	1,575,710	1,578,762	1,592,758	1,594,737	1,600,703	1,603,330	1,607,243	1,614,699	1,617,834	1,624,855	1,619,555	19,206,617
2016-17		1,619,231	1,618,417	1,621,488	1,623,921	1,625,873	1,631,885	1,634,494	1,638,416	1,645,954	1,649,081	1,656,176	1,650,709	19,615,645

Actuals from Demand Characteristics report.

* Actuals from Demand Characteristics report.

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G	Projected Flow (rounded) - (E x Average Flow Per Account From C)												
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2011-12 C YE	844,558,480	801,162,670	750,341,900	746,902,300	694,610,700	726,087,700	809,094,301	834,141,811	849,088,900	843,019,500	842,657,300	848,665,200	9,590,350,762
2012-13	827,234,800	803,336,800	800,436,300	791,825,100	753,600,700	766,118,900	909,277,700	909,403,200	923,176,000	917,024,200	916,814,900	923,776,300	10,242,024,900
2013-14	900,426,700	874,388,800	871,154,600	861,897,900	820,247,200	833,914,000	924,486,700	924,610,100	938,604,600	932,343,500	932,121,500	939,194,500	10,763,390,100
2014-15	915,661,300	894,212,900	891,126,200	881,878,600	839,473,600	853,674,300	946,625,700	946,990,400	961,563,300	955,388,200	955,396,700	962,885,700	11,004,896,900
2015-16	938,763,100	911,862,200	908,712,900	904,992,200	861,474,500	876,047,700	971,438,400	971,810,500	986,766,800	980,430,000	980,437,200	988,121,700	11,280,877,200
2016-17	963,348,200	935,682,700	932,414,500	922,703,000	878,299,800	893,120,200	990,329,100	990,667,300	1,005,874,400	999,373,300	999,347,000	1,007,139,400	11,518,299,300

H	Average Distribution of Maximum Flow in Block 1											
Average Bill Frequency Projection	October	November	December	January	February	March	April	May	June	July	August	September
Block 1	91.96%	91.39%	91.87%	91.57%	91.09%	91.28%	91.38%	91.38%	91.83%	91.60%	91.67%	92.00%
Actual Current Monthly Bill Frequency Distribution												
2000-01 Act	93.79%	92.75%	92.97%	93.02%	92.74%	92.47%	92.49%	92.58%	92.87%	92.93%	93.31%	93.23%
2001-02 Act	92.32%	92.26%	92.19%	91.95%	92.12%	91.98%	92.21%	92.59%	92.72%	92.12%	91.88%	92.51%
2002-03 Act	92.13%	91.47%	91.75%	91.37%	91.21%	91.36%	91.43%	91.86%	91.92%	91.67%	92.03%	92.12%
2003-04 Act	91.56%	91.54%	91.36%	91.42%	90.60%	90.43%	91.54%	91.25%	91.42%	91.27%	91.57%	92.00%
2004-05 Act	91.75%	91.17%	91.08%	90.91%	90.16%	90.73%	91.18%	91.13%	91.38%	92.03%	93.03%	92.14%
2005-06 Act	92.06%	91.48%	91.63%	91.25%	91.01%	91.39%	91.80%	91.90%	92.21%	92.23%	93.31%	92.84%
2006-07 Act	92.23%	91.33%	92.03%	91.44%	90.68%	91.62%	91.26%	91.11%	90.47%	89.96%	89.93%	90.94%
2007-08 Act	90.98%	90.99%	91.15%	90.89%	92.07%	90.78%	90.78%	90.82%	91.32%	91.73%	91.43%	91.53%
2008-09 Act	92.89%	92.11%	92.16%	91.99%	91.37%	91.77%	92.26%	92.19%	92.56%	92.96%	92.89%	92.99%
2009-10 Act	91.64%	91.05%	92.38%	92.26%	90.31%	90.85%	90.78%	90.88%	92.59%	91.14%	90.81%	91.70%
2010-11 Act	90.96%	90.92%	91.26%	91.05%	90.68%	91.00%	92.25%	92.47%	92.55%	92.53%	92.47%	93.09%
2011-12 CYE												

Residential **Revenue Forecast Data - Wastewater** **FY 2012-13**

Block 1 - Projected Flow (Maximum 2,000 gal x E x H Distribution) & Projected Volumetric Charge (Block 1 Flow / 1000 x Block 1 Rate)													
I1													
Volumetric Rate:													
Block 1 Rate:			\$3.79			October 2011 Rate:			\$3.61				
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Block 1 Flow:													
2011-12 C YE	335,124,300	333,197,000	335,580,900	335,336,700	333,750,100	335,364,600	335,728,200	336,784,700	339,820,600	339,446,000	340,983,300	340,882,100	4,041,998,500
2012-13	340,597,800	338,256,400	340,602,500	339,916,800	338,481,200	340,388,800	341,216,300	341,976,800	345,176,100	344,911,000	346,590,100	346,604,500	4,104,718,300
2013-14	346,312,200	343,930,000	346,313,200	345,612,200	344,148,700	346,084,700	346,923,600	347,695,300	350,944,900	350,872,900	352,376,500	352,389,400	4,173,403,600
2014-15	352,179,200	351,727,600	354,252,600	353,624,200	352,215,400	354,285,500	355,231,500	356,111,300	359,529,100	359,340,500	361,175,400	361,278,500	4,270,950,800
2015-16	361,064,400	358,669,700	361,243,900	362,892,500	361,446,300	363,570,700	364,542,700	365,444,800	368,952,700	368,759,200	370,641,600	370,747,100	4,377,975,600
2016-17	370,512,400	368,039,200	370,666,100	369,994,400	368,505,600	370,656,000	371,631,700	372,535,800	376,097,100	375,884,200	377,790,400	377,882,600	4,470,195,500
Block 1 Volumetric Revenues:													
2011-12 C YE	1,209,799	1,262,817	1,271,852	1,270,926	1,264,913	1,271,032	1,272,410	1,276,414	1,287,920	1,286,500	1,292,327	1,291,943	15,258,853
2012-13	1,290,866	1,281,992	1,290,883	1,288,285	1,282,844	1,290,074	1,293,210	1,296,092	1,308,217	1,307,213	1,313,576	1,313,631	15,566,883
2013-14	1,312,523	1,303,495	1,312,527	1,309,870	1,304,324	1,311,661	1,314,840	1,317,765	1,330,081	1,329,050	1,335,507	1,335,556	15,817,199
2014-15	1,334,759	1,333,048	1,342,617	1,340,236	1,334,896	1,342,742	1,346,327	1,349,662	1,362,615	1,361,900	1,368,855	1,368,246	16,186,903
2015-16	1,368,434	1,359,358	1,369,114	1,375,363	1,369,881	1,377,933	1,381,617	1,385,036	1,398,331	1,397,597	1,404,732	1,405,132	16,592,528
2016-17	1,404,242	1,394,869	1,404,825	1,402,279	1,396,636	1,404,766	1,408,484	1,411,911	1,425,408	1,424,601	1,431,826	1,432,175	16,942,042

I2	Block 2 - Projected Flow (G - I1 Flow) & Projected Volumetric Charge (Block 2 Flow / 1000 x Block 2 Rate)												
Volumetric Rate:													
Block 2 Rate:			\$8.38			October 2011 Rate:			\$8.15				
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Block 2 Flow:													
2011-12 CYE	509,434,180	467,965,670	414,761,000	411,565,600	360,860,600	390,723,100	473,366,101	487,357,111	509,266,300	503,573,500	501,674,000	507,803,100	5,548,352,262
2012-13	486,637,000	465,080,400	459,833,800	451,908,300	415,119,500	425,730,100	568,061,400	567,426,400	577,999,900	572,113,200	570,224,800	577,171,800	6,137,306,600
2013-14	554,114,500	530,458,800	524,841,400	516,285,700	476,098,500	487,829,300	577,583,100	576,914,800	587,659,700	581,670,800	579,745,000	586,805,100	6,579,986,500
2014-15	563,502,100	542,485,300	536,873,600	528,254,400	487,258,200	499,388,800	591,394,200	590,879,100	602,034,200	596,047,700	594,221,300	601,607,200	6,733,946,100
2015-16	577,718,700	553,192,500	547,469,000	542,099,700	500,028,200	512,477,000	606,895,700	606,365,700	617,814,100	611,670,800	609,795,600	617,374,600	6,902,901,600
2016-17	592,835,800	567,643,500	561,748,400	552,708,600	509,794,200	522,464,200	618,697,400	618,131,500	629,777,300	623,489,100	621,557,000	629,256,800	7,048,103,800
Block 2 Volumetric Revenues:													
2011-12 CYE	4,151,889	3,921,552	3,475,697	3,448,920	3,024,012	3,274,260	3,966,808	4,167,853	4,267,668	4,219,946	4,204,028	4,255,390	46,378,023
2012-13	4,078,018	3,897,374	3,863,407	3,786,992	3,478,701	3,567,618	4,760,355	4,755,033	4,843,639	4,784,309	4,778,484	4,836,700	51,430,630
2013-14	4,643,480	4,445,245	4,398,171	4,326,474	3,989,705	4,088,010	4,839,979	4,834,546	4,924,588	4,874,400	4,858,263	4,917,427	55,140,288
2014-15	4,722,148	4,546,027	4,499,001	4,426,772	4,083,224	4,184,878	4,955,883	4,951,567	5,045,047	4,994,880	4,979,574	5,041,468	56,430,469
2015-16	4,841,283	4,635,753	4,587,790	4,542,795	4,190,236	4,294,557	5,085,786	5,081,345	5,177,282	5,125,801	5,110,087	5,173,599	57,846,314
2016-17	4,967,964	4,756,853	4,707,452	4,631,698	4,272,075	4,378,250	5,194,684	5,179,942	5,277,534	5,224,839	5,208,648	5,273,172	59,063,111

Block 2 Volumetric Revenues:												
2011-12 CYE	4,151,889	3,921,552	3,475,697	3,448,920	3,024,012	3,274,260	3,966,808	4,167,853	4,267,668	4,219,946	4,204,028	4,255,390
2012-13	4,078,018	3,897,374	3,853,407	3,786,992	3,478,701	3,567,618	4,760,355	4,755,033	4,843,639	4,794,309	4,778,484	4,836,700
2013-14	4,643,480	4,445,245	4,398,171	4,326,474	3,989,705	4,088,010	4,839,979	4,834,546	4,924,588	4,874,400	4,858,263	4,917,427
2014-15	4,722,148	4,546,027	4,499,001	4,426,772	4,083,224	4,184,878	4,955,863	4,951,567	5,045,047	4,994,880	4,979,574	5,041,468
2015-16	4,841,283	4,635,753	4,587,790	4,542,795	4,190,236	4,294,557	5,085,786	5,081,345	5,177,282	5,125,801	5,110,087	5,173,599
2016-17	4,967,964	4,756,853	4,707,452	4,631,698	4,272,075	4,378,250	5,184,684	5,179,942	5,277,534	5,224,839	5,208,648	5,273,172
Total												46,378,023

Block 3 - Currently Unused												
Block 4 - Currently Unused												

Residential
Revenue Forecast Data - Wastewater
FY 2012-13

J	All Blocks - Projected Flow & Monthly Volumetric Charge (Sum I1 Through I4)												
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Total Flow:													
2011-12 CYE	844,558,480	801,162,670	750,341,900	746,902,300	694,610,700	726,087,700	809,094,301	834,141,811	849,088,900	843,019,500	842,657,300	848,685,200	9,590,350,762
2012-13	827,234,800	803,336,800	800,436,300	791,825,100	753,600,700	766,118,900	909,277,700	909,403,200	923,176,000	917,024,200	916,814,900	923,776,300	10,242,024,900
2013-14	900,426,700	874,388,800	871,154,600	861,897,900	820,247,200	833,914,000	924,486,700	924,610,100	938,604,600	932,343,500	932,121,500	939,194,500	10,753,390,100
2014-15	915,681,300	894,212,900	891,126,200	881,878,600	839,473,600	853,674,300	946,625,700	946,990,400	961,563,300	955,388,200	955,396,700	962,885,700	11,004,896,900
2015-16	938,783,100	911,862,200	908,712,900	904,992,200	861,474,500	876,047,700	971,438,400	971,810,500	986,766,800	980,430,000	980,437,200	988,121,700	11,280,877,200
2016-17	963,348,200	935,682,700	932,414,500	922,703,000	878,299,800	893,120,200	990,329,100	990,667,300	1,005,674,400	999,373,300	999,347,400	1,007,139,400	11,518,299,300
Total Volumetric Revenues:													
2011-12 CYE	5,330,382	5,154,448	4,764,033	4,713,468	4,297,346	4,543,610	5,220,985	5,443,096	5,555,588	5,506,446	5,496,355	5,547,333	61,573,088
2012-13	5,368,884	5,179,366	5,144,290	5,075,277	4,761,545	4,857,692	6,053,565	6,051,125	6,151,856	6,101,522	6,092,060	6,150,331	66,987,513
2013-14	5,956,003	5,748,740	5,710,698	5,636,344	5,294,029	5,399,671	6,154,819	6,152,311	6,254,669	6,203,450	6,193,770	6,252,983	70,957,487
2014-15	6,056,907	5,879,075	5,841,618	5,767,008	5,418,120	5,527,620	6,302,210	6,301,229	6,407,662	6,356,780	6,348,429	6,410,714	72,617,372
2015-16	6,209,717	5,995,111	5,966,904	5,918,158	5,560,117	5,672,490	6,466,381	6,466,381	6,575,613	6,523,398	6,514,819	6,578,731	74,438,842
2016-17	6,372,206	6,151,722	6,112,277	6,033,977	5,668,711	5,783,036	6,593,168	6,591,853	6,702,942	6,649,440	6,640,474	6,705,347	76,005,153
Avg Rate	6.31	6.43	6.35	6.31	6.19	6.26	6.45	6.53	6.54	6.53	6.52	6.54	
Revenue from Total AFS2 booked revenues (Section K) minus minimum charge (Section F), Actual Flow from section A.													

* Revenue from Total AFS2 booked revenues (Section K) minus minimum charge (Section F). Actual Flow from section A.

K	Total Unadjusted Revenues (Monthly Customer & Volumetric) (F + J)												
Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2011-12 C YE	6,923,357	6,803,628	6,428,005	6,376,986	5,960,257	6,213,741	6,887,880	7,109,991	7,232,613	7,185,756	7,181,983	7,226,486	81,530,683
2012-13	7,047,361	6,856,669	6,824,442	6,701,464	6,380,110	6,472,668	7,661,548	7,653,392	7,751,921	7,695,057	7,682,875	7,726,328	86,453,835
2013-14	7,522,102	7,304,479	7,259,814	7,178,208	6,828,169	6,929,917	7,677,943	7,678,774	7,787,829	7,739,200	7,735,801	7,789,602	89,431,838
2014-15	7,593,277	7,424,278	7,389,818	7,317,595	6,970,631	7,085,940	7,863,083	7,866,913	7,979,607	7,931,778	7,930,262	7,987,395	91,339,577
2015-16	7,786,148	7,570,821	7,535,666	7,510,916	7,154,854	7,273,193	8,070,733	8,073,624	8,190,312	8,141,232	8,139,674	8,198,286	93,645,459
2016-17	7,991,437	7,770,139	7,733,765	7,657,898	7,294,584	7,414,921	8,227,662	8,230,269	8,348,896	8,298,521	8,296,650	8,356,056	95,620,798

Actuals from broker AES2 revenues (includes minimum charge)

* Actuals from booked AFS2 revenues (includes minimum charge)

Multifamily

Revenue Forecast Data - Wastewater FY 2012-13

Summary Sheet - Multifamily Wastewater Revenue Forecast

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Average Flow Per Account													
2011-12 CYE	112,701	109,168	112,549	111,637	106,741	107,601	110,200	109,426	112,997	111,578	111,699	113,708	111,920
2012-13	113,814	110,246	113,660	112,739	107,794	108,663	111,288	110,507	114,113	112,680	112,802	114,831	111,389
2013-14	113,814	110,246	113,660	112,739	107,794	108,663	111,288	110,507	114,113	112,680	112,802	114,831	111,931
2014-15	113,814	110,246	113,660	112,739	107,794	108,663	111,288	110,507	114,113	112,680	112,802	114,831	111,931
2015-16	113,814	110,246	113,660	112,739	107,794	108,663	111,288	110,507	114,113	112,680	112,802	114,831	111,931
2016-17	113,814	110,246	113,660	112,739	107,794	108,663	111,288	110,507	114,113	112,680	112,802	114,831	111,931

Average Account Growth by Month

15 Year	-0.02%	0.01%	0.11%	0.04%	-0.08%	0.26%	0.03%	0.12%	0.31%	-0.11%	0.38%	-0.23%	0.82%
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Projected Number of Accounts

2011-12 CYE	5,183	5,189	5,156	5,154	5,128	5,098	5,081	5,073	5,089	5,083	5,102	5,090	61,426
2012-13	5,089	5,090	5,096	5,098	5,094	5,107	5,109	5,115	5,131	5,125	5,144	5,132	61,330
2013-14	5,131	5,132	5,138	5,140	5,136	5,149	5,151	5,157	5,173	5,167	5,187	5,175	61,836
2014-15	5,174	5,175	5,181	5,183	5,179	5,192	5,194	5,200	5,216	5,210	5,230	5,218	62,352
2015-16	5,217	5,218	5,224	5,226	5,222	5,236	5,238	5,244	5,260	5,254	5,274	5,262	62,875
2016-17	5,261	5,262	5,268	5,270	5,266	5,280	5,282	5,288	5,304	5,298	5,318	5,306	63,403

Projected Total Flow

2011-12 CYE	614,445,770	591,569,920	569,620,100	575,865,200	532,823,000	558,522,500	564,291,100	576,790,500	575,041,700	567,151,000	569,888,300	578,773,700	6,874,782,790
2012-13	573,535,400	555,665,100	573,549,700	569,125,400	543,738,700	549,518,300	563,569,300	565,243,300	585,513,800	577,485,000	580,253,500	589,312,700	6,831,510,200
2013-14	583,979,600	565,782,500	583,985,100	579,478,500	553,630,000	559,505,800	573,243,400	569,884,600	590,306,500	582,217,600	585,104,000	594,250,400	6,921,368,000
2014-15	588,873,600	570,523,100	588,872,500	584,326,200	558,265,100	564,178,300	578,028,700	574,636,400	595,213,400	587,062,800	589,954,500	599,188,200	6,979,122,800
2015-16	593,767,600	575,263,600	593,759,800	589,174,000	562,900,300	568,959,500	582,925,400	579,498,700	600,234,400	592,020,700	594,917,700	604,240,700	7,037,662,400
2016-17	598,775,500	580,114,500	598,760,900	594,134,500	567,643,200	573,740,600	587,822,100	584,361,000	605,255,400	596,978,600	599,881,000	609,293,300	7,096,760,600

Average Historical Distribution of Flow by Month (See Worksheet H)

% of Total	8.4373%	8.1744%	8.4370%	8.3718%	7.9986%	8.0840%	8.2824%	8.2339%	8.5290%	8.4124%	8.4535%	8.5859%	100.0000%
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Volumetric Rate: \$7.71 Average Monthly Customer Charge: \$9.25

Multifamily
Revenue Forecast Data - Wastewater
FY 2012-13

Summary Sheet (Continued) - Multifamily Wastewater Revenue Forecast

Fiscal Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
Projected Customer Charge Revenue													
2011-12 CYE	46,442	48,291	48,525	48,044	48,060	47,674	47,488	47,488	47,073	47,018	47,194	47,083	570,379
2012-13	47,073	47,083	47,138	47,157	47,120	47,240	47,258	47,314	47,462	47,406	47,582	47,471	567,304
2013-14	47,462	47,471	47,527	47,545	47,508	47,628	47,647	47,702	47,850	47,795	47,980	47,869	571,984
2014-15	47,860	47,869	47,924	47,943	47,906	48,026	48,045	48,100	48,248	48,193	48,378	48,267	576,759
2015-16	48,257	48,267	48,322	48,341	48,304	48,433	48,452	48,507	48,655	48,600	48,785	48,674	581,597
2016-17	48,664	48,674	48,729	48,748	48,711	48,840	48,859	48,914	49,062	49,007	49,192	49,081	586,481
Projected Volumetric Revenue													
2011-12 CYE	4,602,618	5,608,802	3,905,510	3,531,511	4,267,513	4,274,787	4,390,718	4,551,832	4,433,572	4,372,734	4,393,839	4,462,345	52,795,780
2012-13	4,421,958	4,284,178	4,422,068	4,387,957	4,192,225	4,236,786	4,383,669	4,358,026	4,514,311	4,452,409	4,473,754	4,543,601	52,670,942
2013-14	4,502,483	4,362,183	4,502,525	4,467,779	4,268,487	4,313,790	4,419,707	4,393,810	4,551,263	4,488,898	4,511,152	4,581,571	53,363,748
2014-15	4,540,215	4,398,733	4,540,207	4,505,155	4,304,224	4,349,815	4,456,601	4,430,447	4,589,095	4,526,254	4,548,549	4,619,741	53,809,036
2015-16	4,577,948	4,435,282	4,577,888	4,542,532	4,339,981	4,386,678	4,494,355	4,467,935	4,627,807	4,564,480	4,586,815	4,658,696	54,260,377
2016-17	4,616,559	4,472,683	4,616,447	4,580,777	4,376,529	4,423,540	4,532,108	4,505,423	4,666,519	4,602,705	4,625,083	4,697,651	54,716,024
Total Projected Revenue													
2011-12 CYE	4,649,060	5,657,093	3,954,035	3,579,554	4,315,573	4,322,460	4,438,206	4,599,320	4,480,645	4,419,752	4,441,033	4,509,428	53,366,159
2012-13	4,469,031	4,331,261	4,469,206	4,435,114	4,239,345	4,284,026	4,430,927	4,405,340	4,581,773	4,499,815	4,521,336	4,591,072	53,238,246
2013-14	4,549,945	4,409,654	4,550,052	4,515,324	4,315,995	4,361,418	4,467,354	4,441,512	4,599,113	4,536,693	4,559,132	4,629,540	53,935,732
2014-15	4,588,075	4,446,602	4,588,131	4,553,098	4,352,130	4,397,841	4,504,646	4,478,547	4,637,343	4,574,447	4,596,927	4,668,008	54,385,795
2015-16	4,626,205	4,483,549	4,626,210	4,590,873	4,388,265	4,435,111	4,542,807	4,516,442	4,676,462	4,613,080	4,635,600	4,707,370	54,841,974
2016-17	4,665,223	4,521,357	4,665,176	4,629,525	4,425,240	4,472,380	4,580,967	4,554,337	4,715,581	4,651,712	4,674,275	4,746,732	55,302,505