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PETITION OF TRAVIS COUNTY
MUNICIPAL UTILITY DISTRICT
NO. 12 APPEALING CHANGE OF
WHOLESALE WATER RATES
IMPLEMENTED BY WEST
TRAVIS COUNTY PUBLIC
UTILITY AGENCY, AND THE
CITY OF BEE CAVE, TEXAS,
HAYS COUNTY, TEXAS AND
WEST TRAVIS COUNTY
MUNICIPAL UTILITY DISTRICT
NO. 5

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BEFORE THE STATE OFFICE

OF

ADMINISTRATIVE HEARINGS

**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY'S RESPONSES
TO TRAVIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 12'S SECOND
REQUESTS FOR ADMISSION AND REQUESTS FOR PRODUCTION**

TO: Travis County Municipal Utility District No. 12, by and through its attorney of record, J. Kay Trostle, Smith Trostle & Huerta LLP, 4401 Westgate Blvd., Suite 330, Austin, Texas 78701;

Attached hereto as Attachment No. 1, and incorporated herein by this reference for all purposes, are West Travis County Public Utility Agency's responses to the second requests for admission and requests for production made by Travis County Municipal Utility District No. 12. These responses are timely filed and are submitted pursuant to the Administrative Law Judge's Order Nos. 1 and 4 in this proceeding, Chapter 22 of the Rules of the Public Utility Commission, and Rules 196 and 198 of the Texas Rules of Civil Procedure.

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Respectfully submitted,

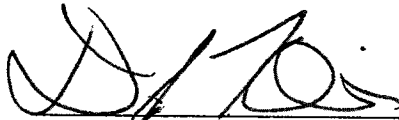
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**ATTORNEYS FOR WEST TRAVIS COUNTY
PUBLIC UTILITY AGENCY**

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing document was transmitted by fax, e-mail, hand-delivery and/or regular, first class mail on this 2nd day of October, 2014 to the parties of record.



David J. Klein

ATTACHMENT NO. 1

**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY'S RESPONSES
TO TRAVIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 12'S
SECOND REQUESTS FOR ADMISSION ("RFA")**

RFA 2-1. Admit or deny that TCMUDs 11, 12 and 13 are within the PUA's Water Service Area.

RESPONSE: Initially, the PUA could neither admit nor deny this RFA 2-1 because (1) it did not know what MUD 12 meant by asking if TCMUDs 11, 12, and 13 are within the PUA's Water Service Area, and (2) it did not know what the defined term "Water Service Area" meant. After consultation with the counsel for TCMUD 12, said counsel indicated MUD 12 intended for "TCMUDs 11, 12, and 13" to mean the boundaries of the water certificate of convenience and necessity ("**CCN**") of TCMUDs 11, 12, and 13, and that the term "Water Service Area" meant the PUA's Water Service Area as defined in Exhibit C of the "Acquisition, Water Supply, Wastewater Treatment and Conditional Purchase Agreement," dated March 19, 2012. In light of such clarifications, the PUA can neither admit nor deny this RFA 2-1 because after a reasonable inquiry, it does not possess a map depicting the water CCN boundaries of TCMUD 11, 12, or 13, and such map is not easily obtainable.

RFA 2-2. Admit or deny that the PUA is serving customers outside its Water Service Area.

RESPONSE: Initially, the PUA could neither admit nor deny this RFA 2-2 because (1) it did not know what the defined term "Water Service Area" meant and (2) it did not know what the term "serving" meant. After consultation with the counsel for TCMUD 12, said counsel indicated MUD 12 intended that the term "Water Service Area" meant the PUA's Water Service Area as defined in Exhibit C of the "Acquisition, Water Supply, Wastewater Treatment and Conditional Purchase Agreement," dated March 19, 2012, and that the term "serving" meant providing water or "Wholesale Water Services" as defined in the "Wholesale Water Services Agreement," dated October 20, 2009. In light of such clarifications, the PUA admits RFA 2-2.

RFA 2-3. Admit or deny that the PUA is serving TCMUDs 11, 12 and 13.

RESPONSE: Initially, the PUA could neither admit nor deny this RFA 2-3 because it did not know what the defined term "serving" meant. After consultation with the counsel for TCMUD 12, said counsel indicated MUD 12 intended that such term meant providing water or "Wholesale Water Services" as defined in the "Wholesale Water Services Agreement," dated October 20, 2009. In light of such clarifications, the WTCPUA denies RFI 2-3.

**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY'S RESPONSES
TO TRAVIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 12'S
SECOND REQUESTS FOR PRODUCTION ("RFP")**

RFP 2-1. Provide a true and correct copy of the final study used to set the FY 13 wholesale rates by the PUA.

RESPONSE: Responsive, nonprivileged documents are attached hereto as Exhibit A.

RFP 2-2. Provide a true and correct copy of the final analysis used to set the FY 14 minimum bill for TCMUD 12 by the PUA.

RESPONSE: Responsive, nonprivileged documents are attached hereto as Exhibit B.

RFP 2-3 Provide a true and correct copy of the final analysis used to set the FY 14 volumetric rate for TCMUD 12 by the PUA.

RESPONSE: Initially, the PUA intended to object to this RFP 2-3 on the basis that this discovery request is duplicative. After consultation with the counsel for TCMUD 12, said counsel indicated that providing the Bates numbers for the PUA's previously produced documents that are responsive to this request is an acceptable method to respond to this discovery request. Accordingly, responsive, nonprivileged documents that are responsive to this RFP 2-3 are labeled as WTCPUA00009451-WTCPUA00009525.

RFP 2-4. Provide a true and correct copy of the PUA's FYE 2014 Cost of Service and Rate Design Study – Wholesale Customer – Minimum Bill Analysis for Rough Hollow.

RESPONSE: Initially, the PUA intended to object to this RFP 2-4 on the basis that this discovery request is duplicative. After consultation with the counsel for TCMUD 12, said counsel indicated that providing the Bates numbers for the PUA's previously produced documents that are responsive to this request is an acceptable method to respond to this discovery request. Accordingly, responsive, nonprivileged documents that are responsive to this RFP 2-4 are labeled as WTCPUA00005430-WTCPUA00005444; WTCPUA00005467-WTCPUA00005469; and WTCPUA00005491.

RFP 2-5. Provide a true and correct copy of the Agreement Regarding Transfer of Operations of the West Travis County Water System from the Lower Colorado River Authority, to the West Travis County Public Utility Agency entered into by and between the LCRA, TCMUD 12 and the WTCPUA.

RESPONSE: Initially, the PUA intended to object to this RFP 2-5 on the basis that this discovery request is duplicative. After consultation with the counsel for TCMUD 12, said counsel indicated that providing the Bates numbers for the PUA's previously produced documents that are responsive to this request is an acceptable method to respond to this discovery request. Accordingly, responsive, nonprivileged documents that are responsive to this RFP 2-5 are labeled as WTCPUA00003983-WTCPUA00004016.

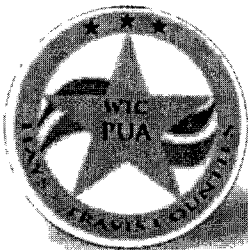
RFP 2-6. Provide a true and correct copy of the Wholesale Water Services Agreement Between LCRA and TCMUD 12.

RESPONSE: Initially, the PUA intended to object to this RFP 2-6 on the basis that this discovery request is duplicative. After consultation with the counsel for TCMUD 12, said counsel indicated that providing the Bates numbers for the PUA's previously produced documents that are responsive to this request is an acceptable method to respond to this discovery request. Accordingly, responsive, nonprivileged documents that are responsive to this RFP 2-6 are labeled as WTCPUA00003657-WTCPUA00003682.

RFP 2-7. Provide the minutes, transcripts, recordings, and or agendas of the February 20, 2014 PUA Board meeting.

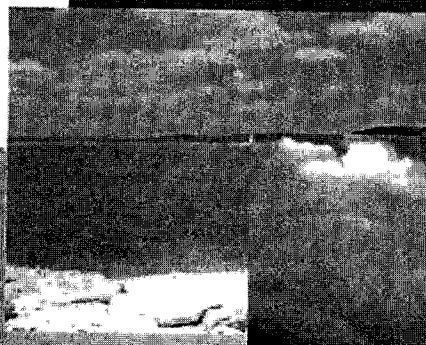
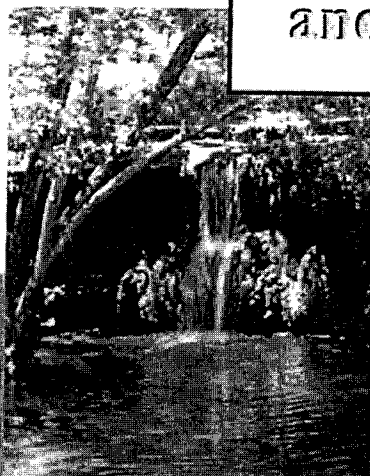
RESPONSE: Documents responsive to this request are available for inspection at 816 Congress Avenue, Suite 1900, Austin, Texas 78701. Please contact David Klein at (512) 322-5818 to arrange an appointment for inspection of these documents.

October 11, 2012
Prepared for:



West Travis County
Public Utility Agency

Final Report
Wholesale Cost of Service
and Rate Design Study



Prepared by



Water Resources
Management, LLC

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Phone (512) 420-9841

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Water Resources Management, LLC

October 11, 2012

Mr. Larry Fox
President
West Travis County Public Utility Agency
12117 Bee Cave Road, Building 3, Suite 120
Bee Cave, Texas 78738

Dear Mr. Fox,

Water Resources Management, LLC (WRM) is please to present our findings and recommendations for the Wholesale Cost of Service and Rate Design Study that we have conducted on behalf of the West Travis County Public Utility Agency (Agency). The project team has reviewed available data and interviewed Agency staff. From this review, we were able to develop a recommended rate design.

The enclosed report details the methodology utilized by WRM during the course of our analysis and describes our findings.

It has been a pleasure working with the Agency. Your staff has been very efficient in answering our questions and filling data requests. Please feel free to contact our office with any questions or comments regarding this report at (512) 420-9841.

Sincerely,

Nelisa Heddin

VP Business & Financial Services

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Section 1.0 Understanding Project Goals

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Goals and Objectives

Water Resources Management, LLC (WRM) is pleased to present to the West Travis County Public Utility Agency (Agency) the results of a wholesale cost of service and rate design study for the Agency's Water and Wastewater Utility. The project team had four critical goals in the performance of this task:

- 1) Isolate revenue requirements for the water and wastewater utility;
- 2) Functionalize costs;
- 3) Allocate costs to retail and wholesale customers;
- 4) Design wholesale rates that recover wholesale customer costs of service.



Background on Water Rates

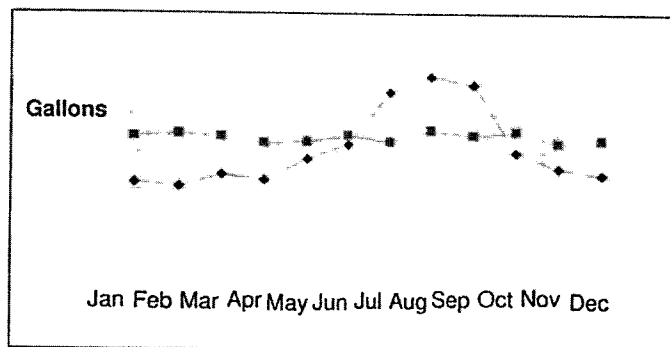
Rate Setting Theory:

The American Water Works Association (AWWA) sets forth a methodology for rate setting based on cost of service principles. The premise of this methodology is to require users to pay the cost incurred by the utility to provide that user with water service.

Water utility infrastructure is constructed to meet times of peak demand. Although on an annual basis, the average usage of water is at a lower level, the system must be constructed to meet times of peak usage, such as irrigation in summer months or early mornings when residents are showering, doing laundry, and washing dishes. Chapter 290 of the Texas Administrative Code outlines strict guidelines that the water utility must follow while providing retail water services. These guidelines outline specific requirements for items such as minimal system capacities, to meet these times of peak usage. Thus, the water utility must maintain the infrastructure to meet these requirements. Infrastructure capacity requirements are determined by the number of connections that the system serves, and the size of each connection as well as the usage patterns of those customers. As a result, water utilities are designed to handle times of peak usage. Therefore, even though the utility may have average usage at a certain level, it must have the capacity to serve customers at a level that is much greater, in order to meet peaking demands.

Different customer classes utilize water in different manners, and, thus, put different strains on the utility. Utilizing a cost of service methodology recommended by the AWWA, a particular utility's customer classes are examined to determine usage patterns for each class. Figure 1 demonstrates different usage patterns for two different types of customers.

Figure 1: Usage Patterns



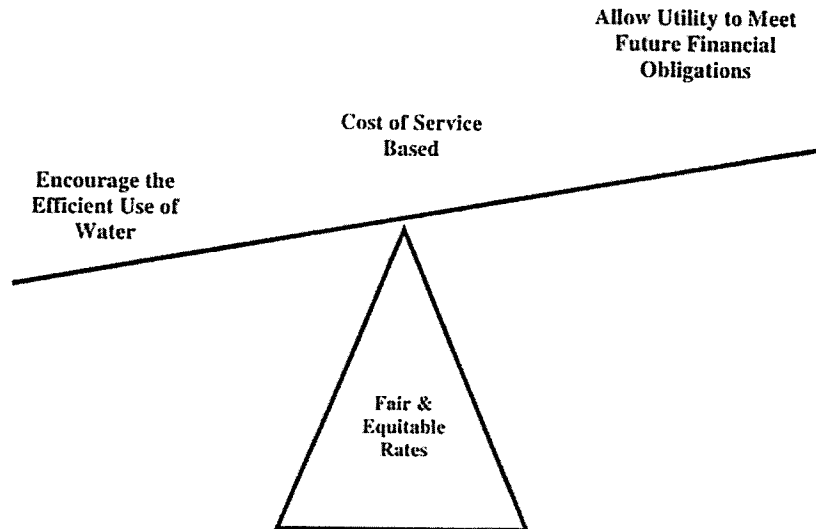
The customers represented by the blue line in Figure 1 show a dramatic peaking pattern in summer months. This peak pattern commonly occurs with customers who, for example, irrigate during the summer. The customers represented by the pink line show very little deviation in their month-to-month usage. An example of a customer using water in this manner may be a commercial customer who uses water in a consistent pattern year round.



According to the AWWA, "a water utility is required to supply water in total amounts and at such rates of use desired by the customer. A utility incurs costs in relationship to the various expenditure requirements caused by meeting those customer demands. Since the needs for total volume of supply and peak rates of use vary among customers, the costs to the utility of providing service also vary among customers or classes of customers."¹ In other words, there are significant cost implications to the ability a utility system must have to meet peaking patterns.

The blue-line customer in Figure 1 has a higher peak to average ratio of water usage. Whereas the pink-line customer has a lower peak to average ratio even though the total volume used is greater for this customer class. In this example, the utility has to maintain a total system capacity to serve the maximum (or peak) usage of all customers, even though the blue-line customer uses a peak amount of water for three months out of the year. There is a significant cost implication to this irregular usage pattern. The rates charged to customers should reflect this cost differential.

Rate Design General Considerations:



During rate analysis, the primary consideration is to determine rates that are fair and equitable among all customers. Rates should recover the cost associated with providing service to each customer from that particular customer. Determining rates that fully achieve this goal would involve a detailed analysis of each individual customer's consumption pattern. Since this is an impractical feat for most utility systems, rates are typically designed to fit average conditions for groups of customers having similar service requirements. Customers are grouped into customer classes that utilize water in a similar pattern (such as residential, commercial, apartments and irrigation). Historical usage patterns are then analyzed for each customer grouping and costs assigned accordingly.

¹ American Water Works Association M1 Manual, Water Rates, Fourth Edition, 1991.



The AWWA emphasizes, "departure from rates based on cost of service is generally a decision made for political, legal, or other reasons. Consideration of rates deviating from cost of service, therefore, is made by politicians, not the rate designer."² In addition, the AWWA states that "when a deviation from cost-related rates is made, the reason for such modification should be explicitly understood so that the responsibility for such deviation is placed on legal and policy-making factors, and the public is not misled into believing that the resulting rates are fully cost-related when they are not."³

It is important to understand that while the goal is to get as close as possible to cost of service based rates; every utility has its own political environment that must be considered when designing and implementing a new rate structure.

Rate Components:

Typically, water services are billed in a structure that consists of a minimum bill and a volumetric component. The minimum bill is intended to recover the basic costs associated with providing service to the customer, regardless of the volume of the water utilized. The bill usually recovers a high percentage of the utility's fixed costs, and is structured to ensure the utility some degree of revenue stability. Minimum bills are a fixed monthly fee. The second component of the rates is a volumetric charge. This charge is based on the amount of water utilized by the customer, and may fluctuate based on actual usage.

² AWWA M1 page 33.

³ AWWA M1 page 32.



Water Utility Background

Water Production

As a result of the transition of operations of the water utility to the Agency in March 2012; FYE 2011 pumpage data was not available, and FYE 2012 data maintained by the Agency was only a partial year of data. As such, the project team has examined FYE 2008, FYE 2009, and FYE 2010 pumpage data. Total production for 2008 through 2010 is listed in the table below.

Table 1: Historical Water Production (Million Gallons)

	2008	2009	2010
Total Production	1,797	2,039	1,724
Average Daily Demand	4.92	5.59	4.72
Peak Day Demand	10.8	9.9	11.2
Peak to Average Ratio	2.19	1.77	2.37

As emphasized in the previous section, there is a direct correlation between a system's production and peaking patterns and the system's costs. The Agency's peak to average ratio, as determined by dividing maximum daily production by the average daily production, was 2.37:1 for 2010.

Water Consumption

As of July 2012, the Agency provides water service to 5,335 retail, potable water customers. The Agency also has contracts to supply water to approximately 17 wholesale customers, 12 of which are currently utilizing water. The Agency meters all active potable water connections. Annual metered water consumption was approximately 1.76 billion gallons in 2011 (Table 2).

Table 2: Total Metered Consumption

	Consumption
2009	1,740,757,079
2010	1,419,778,450
2011	1,757,334,009



Wastewater Utility Background

Wastewater Collection and Treatment

The Agency operates and maintains its wastewater collection and treatment system.

Wastewater Customers and Billing Units

As of August 2012, the Agency had 1,699 wastewater connections. FYE 2011 billed wastewater consumption was approximately 194,739,027 gallons.



Project Work Plan

WRM has met the goals and objectives of this study by utilizing the following work-plan:

- ✦ Determine the Agency's current and future revenue requirements for the five-year study period for the Water and Wastewater Utility;
- ✦ Isolate Retail only costs of service and remove from analysis;
- ✦ Functionalize costs to cost categories (base costs, extra-capacity costs, and customer costs) based on the function related to that particular cost category;
- ✦ Allocate those costs to customer classifications based on the customers' historical usage patterns;
- ✦ Project customer growth and billing units into the five-year study period;
- ✦ Design rates that fully recover the Agency's costs associated with providing service.

Each stage of the project work-plan is further described, and the results of the analysis are presented in Sections 2.0 and 3.0, Methodology and Findings. Section 4.0 presents various supporting schedules.



Section 2.0 Water - Methodology and Findings

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Revenue Requirement

Development of Base Year Retail Revenue Requirement

Water/Wastewater Fund

The Agency has an Operating Fund that consists of three departments: Water, Wastewater, and Shared, to account for the water and wastewater utility operations. Water departmental costs are those costs that are solely associated with providing water utility services to customers. Wastewater departmental costs are generally those costs that are solely associated with providing wastewater services to the Agency's customers. Shared departmental costs are costs that are generally associated with providing both water and wastewater utility services.

FYE 2013 Budget

The Agency began operating the systems in March 2012; prior to that date, the Lower Colorado River Authority (LCRA) operated the systems. As the Agency's operating costs are vastly different than that of the LCRA, the Agency's actual six-months of operating costs was the basis for the development of the FYE 2013 budget. In developing the FYE 2013 budget, FYE 2012 actual expenditures were closely examined; adjustments were made as appropriate to reflect known and measurable changes and anticipated full-year operating costs. The Agency's FYE 2013 budget has been presented as Schedule 1.

FYE 2013 Revenue Requirements

Revenue requirements may be simply defined as the revenues that the Agency needs to recover through its rate structure. The Agency's future revenue requirements were determined by first developing a base-year estimate of costs, one that is reflective of the normal operation of the systems, and adjusting that data for known and measurable changes into the future. WRM used the Agency adopted FYE 2013 budget as the starting point for development of the Agency's revenue requirements. The Agency is still in a period of transition of operations; as such, the FYE 2013 budget has certain transitional operating costs that are not associated with "normal" operations of the system. For ratemaking purposes, the revenue requirements should be reflective of normal operating costs. This prevents the utility from over-collecting from customers for many years when the cost is one-time in nature. WRM adjusted the FYE 2013 budgetary expenses to reflect such one-time and transitional costs.

WRM identified that the Agency provides services to customers beyond potable water service and wastewater service. The Agency also provides raw water/effluent water irrigation service. In order to assure that the revenue requirements reflect solely potable water and wastewater costs of service, the costs of providing irrigation water were also removed from the analysis.

Revenue Offsets

In order to isolate the revenues that need to be collected by rates from all customers, it was necessary to capture all revenue offsets and remove the corresponding dollar amount from the total system expenditures to determine the net revenue requirement. Revenue offsets may be defined as items such as late fees and tap fees that offset the Agency's expense.



Base Year Revenue Requirement

The base year total revenue requirement determined by the project team for the water and wastewater utility for FYE 2013 was \$13,935,691. Schedule 2 provides the development of the FYE 2013 Revenue Requirements and further describes the adjustments that were made to the FYE 2013 budget for the development of the Revenue Requirements.

Water/Wastewater Split

The next phase of the analysis is to isolate the revenue that should be recovered by the water utility. For the base year, the water revenue requirement was determined to be \$10,962,457 and the wastewater revenue requirement was determined to be \$2,973,235, Schedule 3.



Cost Functionalization - Water

Background on Cost Functionalization

The base-extra capacity method of functionalization, allocating costs to service functions and distributing costs to customer classes, is commonly used in the water utility industry. The AWWA and the Texas Commission on Environmental Quality (TCEQ) have accepted this methodology. This method recognizes the differences in the cost of providing service due to variations in average rate of use and peak rate of use by a customer class. The method also recognizes the effects of system diversity on costs. Costs are generally divided into three components:

- ✦ Base Costs
- ✦ Extra-Capacity Costs
- ✦ Customer Billing Costs

Base costs fluctuate with the total amount of water taken under average operating conditions. Extra-capacity costs are those costs incurred that are above the average operating conditions and are necessary to support peaking conditions. Customer billing costs are those costs associated with serving customers, such as meter reading and billing.

WRM has relied upon this methodology for the performance of this analysis, as it is a widely accepted means of distributing costs to customer classes based upon the individual customer classes' usage characteristics.

Removal of Retail Only Costs

Prior to the performance of the Base-Extra Capacity analysis, the project team had to first recognize that certain costs are solely associated with providing services to retail customers. Retail only costs were isolated and removed from the analysis. Retail only costs that were identified include:

- **Raw Water Costs** - Most of the Agency's wholesale customers have their own raw water contracts with the LCRA. As such, raw water costs were removed from the costs, which were allocated to wholesale customers. These costs are then added into the costs for the Agency's wholesale customers who do not have their own raw water at a later point in time in the analysis.
- **Repairs and Maintenance Costs** - The Agency has a contract service provider who operates and maintains the Agency's facilities. The Agency is billed a base-fee for general operational services. The Agency is also billed an additional fee for services for repairs and maintenance of facilities which are above and beyond the Agency's general contract services. These services are invoiced separately based on the time, equipment, and materials necessary to perform individual repairs. Repairs and maintenance services include anything from repairing a motor at a pump station to repairing a leak on a distribution line. Given the limited sample of work-orders available to quantify the fees associated with repairs and maintenance to regional facilities (which serve all of the Agency's customers) versus non-regional facilities (such as distribution line maintenance), the entirety of these costs have been removed as a "retail only" cost.⁴

⁴ It must be noted that in future years, when adequate data is available, the Agency may re-evaluate this line item and determine that a portion of the costs should also be recovered from wholesale customers.



- **Debt Service for Non-Regional Facilities** – The Agency has an installment payment liability with the LCRA as well as Agency issued bonds for which annual debt service must be paid. The Agency's assets were closely examined to determine facilities that were regional in nature (that serves both retail and wholesale customers) and those facilities that were non-regional in nature (that service retail only customers). The debt obligation attributable to retail-only customers (such as internal facilities in subdivisions) was removed from the analysis.

Cost Functionalization Analysis

The project team thoroughly analyzed the Agency's cost structure and functionalized the costs into appropriate categories. The result of the cost functionalization analysis is presented below:

Table 3: Cost Functionalization⁵

	2013
Base Costs	\$ 4,383,629
Extra-Capacity Costs	3,608,507
Customer Costs	(437,660)
	\$ 7,554,476

⁵ Cost functionalization presented for system-wide costs only and do not reflect retail only costs, that are also included in retail customer cost allocations.

Cost Allocation to Customer Classes – Water

Customer Cost Allocation Background

The first step in the Customer Cost Allocation analysis is to identify appropriate customer classifications. The establishment of customer classes is important in setting equitable rates for utility service. A customer class should include only those customers who (a) are in similar location in relation to the utility (b) use the same or similar facilities of the utility, (c) receive similar service from the utility, and (d) place similar demands on the utility. The objective of the distribution of costs to customer groups is to avoid cross-subsidization (inequities between customer classes). It is important, with this objective in mind, that differences in service commitment and service requirement be given full consideration in determining customer classes. In being consistent with LCRA's previous philosophy, wholesale customers have been established as an individual customer classification.

Once appropriate customer classifications have been determined, the next step is to analyze usage patterns for each customer class. Usage analysis includes evaluating the average and peak usage for each customer class. Finally, costs are allocated to customer classes based on their relative usage patterns.

Customer Cost Allocation Analysis

The final step in this phase of analysis is to allocate the Base, Extra-Capacity, and Customer Costs to customer classifications, based on their usage patterns. Through the performance of this analysis, WRM determined the revenue requirements for wholesale customers, before raw water, was \$3,340,366 for FYE 2013.



Customer Growth and Billing Units - Water

Customer Growth

Population projections for the Agency can vary depending on the assumptions used in developing the projections. In estimating future growth patterns, projections are typically based on historical information and recent growth trends. Population projections are necessary because the projected water and wastewater volumes are directly tied to the existing number of customers and the projected growth in new customer accounts. It is important to recognize in forward-looking rate making that the system is anticipated to grow. As such, it is appropriate to assume some system growth in the coming year.

In reviewing historical growth for the Agency, the project team made assumptions as to future growth on the system, as outlined on Table 4.

Table 4: Projected Customer Count

FYE 2013	
Total Residential	5,048
Total Commercial	260
Total Irrigation	113
Total Multi-Family	34
Total Construction	12
Total Wholesale, without raw water	8
Total Wholesale, raw water purchase	2
	5,477

Billing Unit Projection

Billing units, otherwise known as water consumption, are projected by analyzing historical usage for each customer classification. Billing units are projected by establishing a "normalized" average usage per connection per month and applying that usage to the projected customer count to establish a projection of consumption for each customer class.

The project team reviewed historical water consumption data for each customer class for the prior three years and compared the average usage per connection for each year. In developing projections of future demands, WRM attempts to "normalize" the data. Ideally, projections should be made for "normal" operating conditions. The projected water consumption for FYE 2013 is presented below:



Table 5: Projected Water Consumption (Thousand Gallons)

	2013
Total Residential	794,887,329
Total Commercial	99,683,570
Total Irrigation	75,147,560
Total Multi-Family	29,795,870
Total Construction	30,172,950
Total Wholesale, without raw water	586,130,000
Total Wholesale, raw water purchase	141,476,000
	1,757,293,279

Water Rate Design

By comparing the Agency's projected revenue recovery at currently effective rates to the revenue requirements for wholesale customers, WRM determined that the Agency is projected to under-recover from wholesale customers by 31%, as outlined on Table 6.

Table 6: Summary of Wholesale Revenue Recovery at Current Rates

	Cost of Service	Projected Revenues at Current Rates	Projected Over/(Under)	Percent Over/(under) Recovery
Total Wholesale	\$ 3,340,366	\$ 2,549,898	\$ (790,468)	31%

Minimum Bill

In order to achieve full cost recovery from wholesale water customers, a 31% increase to both the minimum charge and the volumetric charge for the Agency's wholesale customers is necessary. Table 7 outlines the recommended minimum bill for each wholesale customer.

Table 7: Recommended Minimum Bill

Minimum Bill	Current	FYE 2013
CRYSTAL MOUNTAIN HOA, INC.	\$ 655.00	\$ 858.05
DEER CREEK RANCH WATER CO., LLC	\$ 2,500.00	\$ 3,275.00
DRIPPING SPRINGS WSC	\$ 4,548.00	\$ 5,957.88
EANES ISD	\$ 175.00	\$ 229.25
HAYS COUNTY WCID #1	\$ 7,450.00	\$ 9,759.50
REUNION RANCH WCID	\$ 3,190.00	\$ 4,178.90
SENNA HILLS MUD #1	\$ 3,730.00	\$ 4,886.30
BARTON CREEK WEST WSC	\$ 2,167.00	\$ 2,838.77
HAYS COUNTY WCID #2	\$ 6,515.00	\$ 8,534.65
CITY OF DRIPPING SPRINGS	\$ 7,000.00	\$ 9,170.00
LAZY NINE MUD #1A	\$ 10,200.00	\$ 13,362.00
TRAVIS COUNTY MUD #12	\$ 9,430.00	\$ 12,353.30

Volumetric Rate

Table 8 below outlines the required volumetric rates for the Agency's wholesale water customers to meet full cost recovery.

Table 8: Recommended Volumetric Rate

Volumetric Rate	Current	FYE 2013
Customers With own Raw Water	\$ 2.40	\$ 3.14
Customers Using PUA Raw Water	\$ 2.86	\$ 3.75



Section 3.0 Wastewater - Methodology and Findings

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<i>Customer Growth & Billing Units</i>	<i>17</i>
<i>Rate Design</i>	<i>19</i>

Customer Growth and Billing Units - Wastewater

Customer Growth

Current retail wastewater connections on the system as of August 2012 were 2,717 LUEs. The project team projected an annual average of 2,792 retail wastewater LUEs for FYE 2013. The Agency also has one wholesale wastewater connection.

Billing Unit Projection

Billing unit determination for the wastewater utility was determined by reviewing the historical water usage for the FYE 2011 and FYE 2012 through March 2012. Each year had a similar average usage per connection, so the entire period was considered in formulating an accurate projection of future use. In developing projections of future demands, WRM attempts to "normalize" the data. Ideally, projections should be made for "normal" operating conditions. The projected wastewater usage for FYE 2013 is illustrated on Table 9.

Table 9: Projected Wastewater Usage (Gallons)

Estimated Flows, by Customer Class	FYE 2013
Residential	153,199,376
Commercial	74,059,971
Wholesale	19,178,400
Multi-Family	25,986,750
	272,424,498

Removal of Retail Only Costs

Similar to the analysis for the water utility, the project team had to recognize that certain costs are solely associated with providing services to retail customers. Retail only costs were isolated and removed from the analysis. Retail only *costs that were identified* are:

- **Repairs and Maintenance Costs** – The Agency has a contract service provider who operates and maintains the Agency's facilities. The Agency is billed a base-fee for general operational services. The Agency is also billed an additional fee for services for repairs and maintenance of facilities that are above and beyond the Agency's general contract services. The Agency is billed based on time, equipment, and materials for the actual services provided. Repairs and maintenance services include anything from repairing a motor at a lift station to repairing a leak on a collection line. Given the limited sample of work-orders available to quantify the fees associated with repairs and maintenance to regional facilities (that serve all of the Agency's



customers) versus non-regional facilities (such as small collection line maintenance), the entirety of these costs have been removed as a "retail only" cost.⁶

- **Commercial Pre Treatment Program** – Costs associated with management of the Agency's pre-treatment program for commercial customers was removed, as this cost is associated with the Agency's commercial retail customers and not the Agency's wholesale customer.
- **Debt Service for Non-Regional Facilities** – The Agency has an installment payment liability with the LCRA as well as Agency issued bonds for which annual debt service must be paid. The Agency's assets were closely examined to determine facilities that were regional in nature (that serves both retail and wholesale customers) and those facilities that were non-regional in nature (that service retail only customers). The debt obligation attributable to retail-only customers (such as internal facilities in subdivisions) was removed from the analysis.

Cost Allocation

After retail only costs have been removed from the analysis, system-wide costs are then allocated to each classification of customer based upon the projected flows of that customer class. The results of this analysis are presented on Table 10.

Table 10: Summary of Cost Allocations

Customer Cost Allocation – Total Revenue Requirement	FYE 2013
Residential Customer Cost Allocation	\$ 1,596,625
Commercial Customer Cost Allocation	1,276,092
Wholesale Customer Cost Allocation	<u>100,518</u>
	\$ 2,973,235

⁶ It must be noted that in future years, when adequate data is available, the Agency may re-evaluate this line item and determine that a portion of the costs should also be recovered from wholesale customers.

Wastewater Rate Design

By comparing the Agency's projected revenue recovery at currently effective rates to the revenue requirements for wholesale customers, WRM determined that the Agency is projected to under-recover from wholesale customers by 18%, as outlined on Table 11.

Table 11: Summary of Wholesale Wastewater Revenue Recovery at Current Rates

	Cost of Service	Projected Revenues at Current Rates	Projected Over/(Under)	Percent Over/(Under)
Total Wholesale	\$ 100,518	\$ 82,741	(\$ 17,777)	-18%

Minimum Bill

WRM has not recommended a change to the Agency's wholesale wastewater customer's minimum bill.

Volumetric Rate

Table 12 below outlines the required volumetric rates for the Agency's wholesale wastewater customer to meet full cost recovery.

Table 12: Recommended Wholesale Wastewater Rates

	Current	FYE 2013
Minimum Bill	\$ 2,500	\$ 2,500
Volumetric Rate	\$ 2.75	\$ 3.68

Section 4.0 Schedules

Schedule 1 – FYE 2013 Amended Budget

Schedule 2 – FYE 2013 Revenue Requirement

Schedule 3 – Water / Wastewater Split

*Schedule 4 – Base-Extra Capacity Cost
Functionalization*

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

		FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	Notes
Ordinary Income/Expense					
Income					
(1) Water Department - Revenue					
14100 - Retail Revenues - Water					
14101 - Minimum Bill Revenues (W)		1,496,573	1,589,365	3,085,937	Determined by Rate Study
14102 - Volumetric Revenues (W)		2,766,734	2,845,509	5,612,242	Determined by Rate Study
14103 - Application Fee (W)		31,515	31,515	63,030	Annualized FYE2012 for 12 Months Operations
14104 - Tap Fees (W)		291,225	291,225	582,450	Annualized FYE2012 for 12 Months Operations
14105 - Late Fee (W)		97,100	97,100	194,199	Annualized FYE2012 for 12 Months Operations
14106 - Return Check Fee (W)		305	305	609	Annualized FYE2012 for 12 Months Operations
14107 - Inspection Fee (W)		300	300	600	Annualized FYE2012 for 12 Months Operations
14108 - Inquiry Fee		2,385	2,385	4,770	Annualized FYE2012 for 12 Months Operations
Total 14100 - Retail Revenues - Water		4,686,145	4,857,703	9,543,838	
14110 - Wholesale Revenues - (WSW)					
14111 - Minimum Bill Revenues (WSW)		372,582	470,596	877,475	Determined by Rate Study, Implementation on January 1, 2013
14112 - Volumetric Revenues (WSW)		1,068,623	1,060,232	2,251,137	Determined by Rate Study, Implementation on January 1, 2013
Total 14110 - Wholesale Revenues - (WSW)		1,441,205	1,530,828	3,129,612	
14120 - Other Revenues (W)					
14121 - LUE Reservation Fees (W)		16,800	16,800	33,600	Annualized FYE2012 for 12 Months Operations
14122 - Irrigation Customer Sales (W)		499,958	84,760	584,718	Determined by Rate Study, Implementation on January 1, 2013
14123 - Meter Set Fee (W)		54,261	54,261	108,522	Annualized FYE2012 for 12 Months Operations
14124 - Connection Fees		300	300	600	Annualized FYE2012 for 12 Months Operations
14125 - Billing Services (W)		3,225	3,225	6,450	Annualized FYE2012 for 12 Months Operations
14126 - Drainage Fees		(1,545)	1,545	0	Removed from Future Revenues
Total 14120 - Other Revenues (W)		572,999	160,891	733,890	
Total (1) Water Department - Revenue		6,700,338	6,549,422	13,406,339	
(2) Wastewater Department - Rev					
14200 - Retail & Wholesale Revenues (WW)					

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

	FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	
14201 - Minimum Bill/Volumetric Rev (WW)	1,128,707	1,928,409	2,858,581	Determined by Rate Study
14203 - Application Fee (WW)	0	0	0	Annualized FYE2012 for 12 f
14204 - Tap Fee (WW)	97,950	97,950	195,900	Annualized FYE2012 for 12 f
14205 - Late Fees (WW)	0	0	0	Annualized FYE2012 for 12 f
14206 - Return Check Fee (WW)	0	0	0	Annualized FYE2012 for 12 f
14207 - Inspection Fee (WW)	0	0	0	Annualized FYE2012 for 12 f
Total 14200 - Retail & Wholesale Revenues (WW)	1,226,657	2,026,359	3,054,481	
14220 - Other Revenues (WW)				
14221 - Grinder Pump Surcharge (WW)	5,625	5,625	11,250	Annualized FYE2012 for 12 f
14222 - Billing Services (WW)	5,363	5,363	10,725	Annualized FYE2012 for 12 f
Total 14220 - Other Revenues (WW)	10,988	10,988	21,975	
Total (2) Wastewater Department - Rev	1,237,644	2,037,347	3,076,456	
(3) Shared Department - Revenue				
14300 - Shared Department				
14301 - Inspection Fees & Plan Review				
14302 - Legal Review Fees				
14303 - Vehicle Lease	0	0	0	Annualized FYE2012 for 12 f
14304 - Interest Earned on Checking	377	377	753	Annualized FYE2012 for 12 f
Total 14300 - Shared Department	377	377	753	
Total (3) Shared Department - Revenue	377	377	753	
Total Income	7,938,359	8,587,145	16,483,548	
Expense				
(1) Water Department - Expense				
16100 - LCRA Raw Water Reservation Fees				
16101 - LCRA - Raw Water Used (W)	413,928	254,936	668,864	Variable cost analysis
16102 - LCRA - Raw Water Reservation(W)	209,230	174,270	383,500	Variable cost analysis
Total 16100 - LCRA Raw Water Reservation Fees	623,158	429,206	1,052,364	
16110 - Contract Operations - Water				
16111 - Base Fee for Services (W)	516,712	364,598	881,310	Base fee for services.

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

	FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	Notes
16112 - Maintenance & Repairs (W)	252,000	276,000	528,000	Estimated at \$60,000 per month at 65%, plus \$60,000 preventative maintenance
16113 - Customer Service (W)	181,050	116,739	297,789	
16114 - Engineering/ Const Fees (W)	0	0	0	Included in special projects below
Total 16110 - Contract Operations - Water	949,762	757,337	1,707,099	
16120 - Material & Supplies (W)	0	10,000	10,000	
16130 - Chemicals (W)	95,987	124,163	220,150	Per DGR analysis
16140 - Transportation (W)	0	0	0	Included below
16150 - Outside Services (W)	0	13,900	13,900	Includes Carpro contract, janitorial services for the plant, plus other misc services
16160 - Utilities - Electric (W)	682,389	727,611	1,410,000	Per DGR analysis
16170 - Utilities - Telephone (W)	8,737	6,241	14,978	Annualized FYE2012 for 12 Months Operations
16180 - Environmental Regulatory Fee(W)	0	10,000	10,000	
16190 - Other Expenses (W)	0	250,000	250,000	
Total (1) Water Department - Expense	2,360,054	2,328,457	4,688,491	
(2) Wastewater Department - Exp				
16200 - Contract Operations-Wastewater				
16201 - Base Fee for Services (WW)	110,152	83,306	193,458	Base fee for services.
16202 - Maintenance & Repairs (WW)	168,000	124,000	292,000	Estimated at \$60,000 per month at 35%, plus \$40,000 preventative maintenance
16203 - Customer Services (WW)	65,923	19,810	85,733	
16204 - Engineering/ Const Fees (WW)	0	0	0	Included in special projects below
Total 16200 - Contract Operations-Wastewater	344,075	227,117	571,192	
16210 - Materials & Supplies (WW)	0	10,000	10,000	
16220 - Chemicals (WW)	25,988	41,012	67,000	Per DGR analysis
16230 - Sludge Disposal (WW)	175,000	155,000	330,000	Per DGR analysis
16240 - Utilities - Electric (WW)	128,381	241,619	370,000	Per DGR analysis
16250 - Utilities - Telephone (WW)	3,609	2,578	6,187	Annualized FYE2012 for 12 Months Operations
16260 - Environmental Regulatory Fee(WW)	0	10,000	10,000	

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

	FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	
Special Programs				Pre Treatment and I&I Program Maintenance (water and wastewater)
		333,418	333,418	
16270 • Other Expense (WW)	0	29,000	29,000	Includes Siemens contract p
16280 • Utilities - Gas (WW)	232	166	398	Annualized FYE2012 for 12 m
Total (2) Wastewater Department - Exp	677,286	1,049,909	1,727,195	
(3) Shared Department - Expense				
16300 • Professional Services				
General Operating				
16311 • General Counsel - Operating	382,304	(22,304)	360,000	Per General Counsel Detail
16312 • Engineering - Operating	143,975	(79,975)	64,000	Six Months Estimated Billing
16313 • General Manager - Operating	123,889	11,111	135,000	Six Months estimated billing
16314 • Bookkeeping - Operating	32,098	5,402	37,500	Six Months Estimated Billing
16315 • Financial Manager - Operating Auditor	35,279	24,721	60,000	Six Months Estimated Billing
		45,000		Per consultant estimate
16316 • General Counsel - Legislative	11,665	(11,665)	0	Removed, included in Trans
Total General Operating	729,208	(27,708)	656,500	
Special Contract Services				
16321 • General Counsel - Special Contr	0	0	0	Included in operating and tr
16322 • Rate Study - Special Contract	50,000	0	50,000	Per consultant estimate
				Annualized FYE2012 costs, e
16323 • Inspections/Plan Review-Special	0	50,000	50,000	PUA funded. Balance to be f
16324 • Other Engineering Analyses-Spec	0	437,000	437,000	Per Engineering Detail
Total Special Contract Services	50,000	487,000	537,000	
Transitional Support Services				
16301 • General Counsel - Transitional	394,853	(187,853)	207,000	Per General Counsel Detail
16302 • Engineering - Transitional				
630201 • Task 22 - SER Activities	58,761	13,239	72,000	Estimated 12 SERs left from

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

	FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	Notes
16302 - Engineering - Transitional - Other	255,640	(235,640)	20,000	Estimated 2 months, duplicative billing
Total 16302 - Engineering - Transitional	314,401	(222,401)	92,000	
16303 - General Manager - Transitional	98,629	(44,629)	54,000	Estimated 2 months of billing, duplicative for transitional period.
16304 - Bookkeeping - Transitional	7,442	5,058	12,500	Estimated 2 months of billing, duplicative for transitional period
16305 - Financial Manager - Transitional Auditor	9,179	5,821	15,000	Estimated 2 months of billing, duplicative for transitional period.
16306 - Misc - Transitional		5,000	5,000	Per consultant estimate
Total Transitional Support Services	1,176		1,176	
Total 16300 - Professional Services	825,680	(439,004)	386,676	
Personnel Expenses	1,004,888	20,288	1,580,176	
Salaries		300,399	300,399	Per Salary Work Paper
FICA and Benefits		90,120	90,120	Estimated at 30% of Salaries
Total Personnel Services	0	390,519	390,519	
16331 - Inventory Purchases Not Funded	0	100,000	100,000	Meters
Memberships and Dues	0	17,500	17,500	
Vehicle Supplies and fuel	0		0	
16332 - Leak Detection Program	0	35,000	35,000	
16333 - SCADA Control System Maintenance	0	50,000	50,000	
16334 - Mapping/GIS Program	4,718	(4,718)	0	Included in Other Engineering Services
16335 - Tools & Shop Supplies	0	20,000	20,000	
16336 - Computer Maintenance & Repair	10,000	3,600	13,600	Photocopier, misc computer repairs
16337 - Furniture	0		0	Included in Office Lease
16338 - Janitor/Contract Labor	0		0	
16339 - Office Data & Supplies	559	20,000	20,559	Computer licenses and software
16341 - Utilities - Office & Outside Fa	1,645	1,175	2,820	Annualized FYE2012 for 12 months.
16342 - Conservation Education & Enforc	0	20,000	20,000	
16343 - Insurance - General	62,766	44,833	107,599	
16344 - Bank Charges	1,051	751	1,802	

West Travis County Public Utility Agency

Schedule 1

FYE 2013 Amended Budget

Amended October 4, 2012

	FYE 2012 Projected	Adjustment	FYE 2013 Proposed Budget	
16345 • Misc. Operating Expense	8,232	14,112	22,344	
16346 • Developer Reimburse Int	15,438	(15,438)	0	Developer Reimbursements
16347 • Lease Expense	19,447	39,398	58,844	through customer surcharge
Total (3) Shared Department - Expense	1,728,744	757,020	2,440,764	Annualized FYE2012 for 12 r
16560 • Miscellaneous Expense	62	99,938	100,000	
17110 • Capital Outlay	382,238	(174,738)	207,500	Per Cash-Capital Outlay Det:
Total Expense*	5,148,363	4,060,586	9,163,950	
Reserve Fund and Capital Fund Contribution In-Lieu of Debt Service			\$ 7,040,592	
Net Income			\$ 279,006	
Pro Forma Operating Expenses			\$ 9,110,790	
*FYE2013 Actual Budget Includes the following non-recurring expenses:				
Transitional Operating Costs			\$ 386,676	
Cash-capital outlay			<u>57,500</u>	
			\$ 444,176	

West Travis County Public Utility Agency
FYE2013 Budget Planning

Schedule 2
FY2013 Revenue Requirement

	FYE 2013 Proposed Budget	Adjustment	FYE 2013 Revenue Requirement	Notes
(1) Water Department - Expense				
16100 - LCRA Raw Water Reservation Fees				
16101 - LCRA - Raw Water Used (W)	668,864	(45,458)	623,406	Excludes irrigation raw water
16102 - LCRA - Raw Water Reservation(W)	383,500	(11,246)	372,254	Excludes irrigation raw water
Total 16100 - LCRA Raw Water Reservation Fees	1,052,364	(56,704)	995,660	
16110 - Contract Operations - Water				
16111 - Base Fee for Services (W)	881,310	(5,886)	875,424	Excludes irrigation raw water pump and line maintenance
16112 - Maintenance & Repairs (W)	528,000		528,000	
16113 - Customer Service (W)	297,789		297,789	
16114 - Engineering/ Const Fees (W)	0		0	
Total 16110 - Contract Operations - Water	1,707,099	(5,886)	1,701,213	
16120 - Material & Supplies (W)	10,000		10,000	
16130 - Chemicals (W)	220,150		220,150	
16140 - Transportation (W)	0		0	
16150 - Outside Services (W)	13,900		13,900	
16160 - Utilities - Electric (W)	1,410,000	(24,524)	1,385,476	Excludes Cost of Pumping Raw Water for Irrigation Customers
16170 - Utilities - Telephone (W)	14,978		14,978	
16180 - Environmental Regulatory Fee(W)	10,000		10,000	
16190 - Other Expenses (W)	250,000		250,000	
Total (1) Water Department - Expense	4,688,491	(87,113)	4,601,378	
(2) Wastewater Department - Exp				
16200 - Contract Operations-Wastewater				
16201 - Base Fee for Services (WW)	193,458		193,458	
16202 - Maintenance & Repairs (WW)	292,000	54,295	346,295	Excludes effluent line maintenance costs, and effluent pump maintenance costs
16203 - Customer Services (WW)	85,733		85,733	
16204 - Engineering/ Const Fees (WW)	0		0	
Total 16200 - Contract Operations-Wastewater	571,192	(54,295)	516,897	
16210 - Materials & Supplies (WW)	10,000		10,000	
16220 - Chemicals (WW)	67,000		67,000	
16230 - Sludge Disposal (WW)	330,000		330,000	
16240 - Utilities - Electric (WW)	370,000	(67,869)	302,131	Excludes effluent pump electricity for effluent irrigation water
16250 - Utilities - Telephone (WW)	6,187		6,187	
16260 - Environmental Regulatory Fe(WW)	10,000		10,000	
Pre-Treatment Program	333,418		333,418	
16270 - Other Expense (WW)	29,000		29,000	
16280 - Utilities - Gas (WW)	398		398	
Total (2) Wastewater Department - Exp	1,727,195	(122,164)	1,605,031	
(3) Shared Department - Expense				
16300 - Professional Services				
General Operating				
16311 - General Counsel - Operating	360,000	(130,000)	230,000	Adjusted to reflect normal operating year
16312 - Engineering - Operating	64,000	36,000	100,000	Adjusted to reflect normal operating year
16313 - General Manager - Operating	135,000	(135,000)	0	Removed from analysis
16314 - Bookkeeping - Operating	37,500	(37,500)	0	Removed from analysis
16315 - Financial Manager - Operating	60,000	(60,000)	0	Removed from analysis
16316 - General Counsel - Legislative	0	0	0	Removed from analysis
Total General Operating	656,500	(326,500)	330,000	
Special Contract Services				
16321 - General Counsel - Special Contr	0		0	
16322 - Rate Study - Special Contract	50,000		50,000	
16323 - Inspections/Plan Review-Special	50,000		50,000	
16324 - Other Engineering Analyses-Spec	437,000		437,000	
Total Special Contract Services	537,000	0	537,000	
Transitional Support Services				
16301 - General Counsel - Transitional	207,000	(207,000)	0	Removed from Analysis
16302 - Engineering - Transitional	0	0	0	
630201 - Task 22 - SER Activities	72,000	(72,000)	0	Removed from Analysis

West Travis County Public Utility Agency
 FYE2013 Budget Planning

Schedule 2
 FY2013 Revenue Requirement

	FYE 2013 Proposed Budget	Adjustment	FYE 2013 Revenue Requirement	Notes
16302 - Engineering - Transitional - Other	20,000	(20,000)	0	Removed from Analysis
Total 16302 - Engineering - Transitional	92,000	(92,000)	0	
16303 - General Manager - Transitional	54,000	(54,000)	0	Removed from Analysis
16304 - Bookkeeping - Transitional	12,500	(12,500)	0	Removed from Analysis
16305 - Financial Manager - Transitional	15,000	(15,000)	0	Removed from Analysis
Auditor	5,000	(5,000)	0	Removed from Analysis
16306 - Misc - Transitional	1,176	(1,176)	0	Removed from Analysis
Total Transitional Support Services	386,676	(386,676)	0	
Total 16300 - Professional Services	1,580,176	(1,517,176)	867,000	
Personnel Expenses				
Salaries	300,399	236,231	536,632	Adjusted for full year operational salaries
Benefits	90,120	(19,250)	70,870	Adjusted for full year operational salaries
Total - Personnel Services	390,519	216,981	607,502	
16331 - Inventory Purchases Not Funded	100,000		100,000	
Training	17,500		17,500	
Vehicles and Supplies	0		0	
16332 - Leak Detection Program	35,000		35,000	
16333 - SCADA Control System Maintenance	50,000		50,000	
16334 - Mapping/GIS Program	0		0	
16335 - Tools & Shop Supplies	20,000		20,000	
16336 - Computer Maintenance & Repair	13,600		13,600	
16337 - Furniture	0		0	
16338 - Janitor/Contract Labor	0		0	
16339 - Office Data & Supplies	20,559		20,559	
16341 - Utilities - Office & Outside Fa	2,820		2,820	
16342 - Conservation Education & Enforc	20,000		20,000	
16343 - Insurance - General	107,599		107,599	
16344 - Bank Charges	1,802		1,802	
16345 - Misc. Operating Expense	22,344		22,344	
16346 - Developer Reimburse Int	0		0	
16347 - Lease Expense	58,844		58,844	
Total (3) Shared Department - Expense	2,440,764	(496,193)	1,944,570	
16560 - Miscellaneous Expense	100,000		100,000	
17110 - Capital Outlay	207,500		207,500	
Total O&M Expense	9,163,950	(705,470)	8,458,479	
In-Lieu of Debt Service (Operating Funded - Wastewater, Total System)		1,514,715	1,514,715	Excludes Debt service for effluent projects
In-Lieu of Debt Service (Operating Funded - Water, Total System)		3,929,917	3,929,917	
In-Lieu of Debt Service (Operating Funded - Water, Retail Only)		1,595,960	1,595,960	
Total Expenses	9,163,950		15,499,072	
TRUE				
Ordinary Income/Expense	9,163,950			
Revenue Off-Sets				
(1) Water Department - Revenue				
14100 - Retail Revenues - Water				
14101 - Minimum Bill Revenues (W)				Removed from Analysis
14102 - Volumetric Revenues (W)				Removed from Analysis
14103 - Application Fee (W)	63,030		63,030	
14104 - Tap Fees (W)	582,450		582,450	
14105 - Late Fee (W)	194,199		194,199	
14106 - Return Check Fee (W)	609		609	
14107 - Inspection Fee (W)	600		600	
14108 - Inquiry Fee	4,770		4,770	
Total 14100 - Retail Revenues - Water	845,658	0	845,658	
14110 - Wholesale Revenues - (WSW)				
14111 - Minimum Bill Revenues (WSW)				Removed from Analysis
14112 - Volumetric Revenues (WSW)				Removed from Analysis
Total 14110 - Wholesale Revenues - (WSW)	0	0	0	
14120 - Other Revenues (W)				
14121 - LUE Reservation Fees (W)	33,600	(33,600)	0	Removed from Analysis

West Travis County Public Utility Agency
 FYE2013 Budget Planning

Schedule 2
 FY2013 Revenue Requirement

	FYE 2013 Proposed Budget	Adjustment	FYE 2013 Revenue Requirement	Notes
14122 - Irrigation Customer Sales (W)				Removed from Analysis
14123 - Meter Set Fee (W)	108,522		108,522	
14124 - Connection Fees	600		600	
14125 - Billing Services (W)	6,450		6,450	
14126 - Drainage Fees	0		0	
Total 14120 - Other Revenues (W)	149,172	(33,600)	115,572	
Total (1) Water Department - Revenue	994,830	(33,600)	961,230	
(2) Wastewater Department - Rev				
14200 - Retail & Wholesale Revenues (WW)				
14201 - Minimum Bill/Volumetric Rev (WW)				Removed from Analysis
14203 - Application Fee (WW)	0		0	
14204 - Tap Fee (WW)	195,900		195,900	
14205 - Late Fees (WW)	0		0	
14206 - Return Check Fee (WW)	0		0	
14207 - Inspection Fee (WW)	0		0	
Total 14200 - Retail & Wholesale Revenues (WW)	195,900	0	195,900	
14220 - Other Revenues (WW)				
14221 - Grinder Pump Surcharge (WW)	11,250		11,250	
14222 - Billing Services (WW)	10,725		10,725	
Total 14220 - Other Revenues (WW)	21,975	0	21,975	
Total (2) Wastewater Department - Rev	217,875	0	217,875	
(3) Shared Department - Revenue				
14300 - Shared Department				
14301 - Inspection Fees & Plan Review	0		0	
14302 - Legal Review Fees	0		0	
14303 - Vehicle Lease	0		0	
14304 - Interest Earned on Checking	753		753	
Total 14300 - Shared Department	753	0	753	
Total (3) Shared Department - Revenue	753	0	753	
Total Revenue Off-Sets	1,211,458	(33,600)	1,179,858	
Total Revenue Requirement			14,319,214	

Schedule 3
Water/Wastewater Split

	FY2013 Revenue Requirement	% Water	% Wastewater	Wastewater Revenue Requirement	Wastewater Revenue Requirement	Note
(1) Water Department - Expense						
16100 - LCRA Raw Water Reservation Fees						
16101 - LCRA - Raw Water Used (W)	621,906	100%		621,906		
16102 - LCRA - Raw Water Reservation (W)	172,254	100%		172,254		
Total 16100 - LCRA Raw Water Reservation Fees	794,160			794,160		
16110 - Contract Operations - Water						
16111 - Base Fee for Services (W)	875,424	100%		875,424		
16112 - Maintenance & Repairs (W)	329,000	100%		329,000		
16113 - Customer Service (W)	297,769	100%		297,769		
16114 - Engineering/Consult Fees (W)	-	100%		-		
Total 16110 - Contract Operations - Water	1,492,213			1,492,213		
16120 - Material & Supplies (W)	10,000	100%		10,000		
16130 - Chemicals (W)	22,150	100%		22,150		
16140 - Transportation (W)	-	100%		-		
16150 - Outside Services (W)	13,000	100%		13,000		
16160 - Utilities - Electric (W)	1,055,476	100%		1,055,476		
16170 - Utilities - Telephone (W)	14,978	100%		14,978		
16180 - Environmental Regulatory Fee (W)	10,000	100%		10,000		
16190 - Other Expenses (W)	250,000	100%		250,000		
Total (1) Water Department - Expense	4,001,378			4,001,378		
(2) Wastewater Department - Exp						
16200 - Contract Operations-Wastewater						
16201 - Base Fee for Services (WW)	193,456	100%		193,456		
16202 - Maintenance & Repairs (WW)	237,705	100%		237,705		
16203 - Customer Services (WW)	63,733	100%		63,733		
16204 - Engineering/Consult Fees (WW)	-	100%		-		
Total 16200 - Contract Operations-Wastewater	514,900			514,900		
16210 - Materials & Supplies (WW)	10,000	100%		10,000		
16220 - Chemicals (WW)	67,000	100%		67,000		
16230 - Sludge Disposal (WW)	130,000	100%		130,000		
16240 - Utilities - Electric (WW)	502,151	100%		502,151		
16250 - Utilities - Telephone (WW)	6,167	100%		6,167		
16260 - Environmental Regulatory Fee (WW)	10,000	100%		10,000		
Special Programs						
16270 - Other Expense (WW)	133,418	90%		100,000	233,418	
16280 - Utilities - Gas (WW)	29,000	100%		29,000		
Total (2) Wastewater Department - Exp	1,005,001			1,005,001		
(3) Shared Department - Expense						
16300 - Professional Services						
General Operating						
16311 - General Counsel - Operating	243,000	80%	10%	218,700	243,000	Per consultant estimate of time
16312 - Engineering - Operating	1,030,000	80%	10%	927,000	1,030,000	Per consultant estimate of time
16313 - General Manager - Operating	-	80%	10%	-	-	Per consultant estimate of time
16314 - Bookkeeping - Operating	-	80%	10%	-	-	Per consultant estimate of time
16315 - Financial Manager - Operating	-	80%	10%	-	-	Per consultant estimate of time
16316 - General Counsel - Legislative	-	80%	10%	-	-	Per consultant estimate of time
Total General Operating	1,273,000			1,145,700	1,273,000	
Special Contract Services						
16321 - General Counsel - Special Contr	-	80%	10%	-	-	Per consultant estimate of time
16322 - Rate Study - Special Contract	500,000	80%	10%	450,000	500,000	Per consultant estimate of time
16323 - Inspections/Plan Review-Special	500,000	80%	10%	450,000	500,000	Per consultant estimate of time
16324 - Other Engineering Analyses-Spec	437,000	80%	10%	409,300	437,000	Based on scheduled projects
Total Special Contract Services	937,000			859,300	937,000	
Transitional Support Services						
16301 - General Counsel - Transitional	-	70%	20%	-	-	Composite
16302 - Engineering - Transitional	-	70%	20%	-	-	Composite
16303 - Task 22 - SIER Activities	-	70%	20%	-	-	Composite
16304 - Engineering - Transitional - Other	-	70%	20%	-	-	Composite
Total 16300 - Transitional Support Services	-			-	-	
Total 16300 - Professional Services	2,206,000			2,005,000	2,206,000	
Personnel Expenses						
Salaries	3,305,512	92%	10%	3,037,161	3,305,512	Based on a composite of salaries
Benefits	710,700	92%	10%	653,754	710,700	Based on a composite of salaries
Total - Personnel Services	4,016,212			3,690,915	4,016,212	
16331 - Inventory Purchases Not Funded	100,000	100%		100,000		
Training	17,500	80%	10%	15,750		Meters
Vehicles		80%	10%			
16332 - Leak Detection Program	35,000	100%		35,000		Based on a composite of salaries
16333 - SCADA Control System Maintenance	50,000	100%		50,000		
16334 - Mapping/GIS Program	-	70%	20%	-	-	Composite
16335 - Tools & Shop Supplies	20,000	80%	10%	18,000		Based on a composite of salaries
16336 - Computer Maintenance & Repair	13,000	80%	10%	11,700		Based on a composite of salaries
16337 - Furniture	-	80%	10%	-	-	Based on a composite of salaries
16338 - Janitor/Contract Labor	210,000	80%	10%	188,100		Based on a composite of salaries
16339 - Office Data & Supplies	25,000	80%	10%	22,500		Based on a composite of salaries
16341 - Utilities - Office & Outside Fa	25,000	80%	10%	22,500		Based on a composite of salaries

Schedule 3
Water/Wastewater Split

	FY2013 Revenue Requirement	% Water	% Wastewater	Wastewater Revenue Requirement	Wastewater Revenue Requirement	Notes
16342 - Conservation Education & Enforce	20,000	100%				
16343 - Insurance - General	107,599	75%		2,000		
16344 - Bank Charges	1,202	75%	25%	80,438	27,101 - Original Cost Allocation	
16345 - Misc. Operating Expense	22,344	75%	25%	1,265	18 - Composite	
16346 - Developer Reimburse Int	-	100%		15,927	5,417 - Composite	
16347 - Lease Expense	50,641	92%	10%	-	-	
Total (3) Shared Department - Expense	1,944,370			47,979	1,996 - Based on composite of assets	
16560 - Miscellaneous Expense	1,000,000	75%	25%	12,178,4	243,707	
17119 - Capital Outlay	257,200	100%	12%	14,396	24,721 - Composite	
Total O&M Expense	4,156,470			62,174	268,114 - Based on composite of assets	
In-Lieu of Debt Service (Operating Funded - Wastewater, Total System)	1,514,715		100%	1,529,917	1,514,715 - Based on composite of assets purchased	
In-Lieu of Debt Service (Operating Funded - Water, Total System)	1,921,917			1,595,866	1,921,917 - Based on composite of assets purchased	
In-Lieu of Debt Service (Operating Funded - Water, Retail Only)	1,595,866					
Total Expenses	15,499,072			12,143,303	3,355,768	
Ordinary Income/Expense	TRUE			TRUE		
Revenue Off-Set						
(1) Water Department - Revenue						
14100 - Retail Revenues - Water						
14101 - Minimum Bill Revenues (W)		100%				
14102 - Volumetric Revenues (W)		100%				
14103 - Application Fee (W)	5,939	75%				
14104 - Tap Fees (W)	582,491	100%	22%	43,343	13,647 - Expense Composite	
14105 - Late Fee (W)	144,199	75%	22%	52,450		
14106 - Return Check Fee (W)	100	75%	22%	152,152	42,347 - Expense Composite	
14107 - Inspection Fee (W)	100	75%	22%	67	13 - Expense Composite	
14108 - Inquiry Fee	1,770	75%	22%	470	151 - Expense Composite	
Total 14100 - Retail Revenues - Water	845,658		22%	3,737	120,53 - Expense Composite	
14110 - Wholesale Revenues - (WSW)				58,570	56,094	
14111 - Minimum Bill Revenues (WSW)	-	100%				
14112 - Volumetric Revenues (WSW)	-	100%				
Total 14110 - Wholesale Revenues - (WSW)	-			-	-	
14120 - Other Revenues (W)						
14121 - LUE Reservation Fees (W)		100%				
14122 - Irrigation Customer Sales (W)		100%				
14123 - Meter Set Fee (W)	108,622	75%	22%	85,025	2,497 - Expense Composite	
14124 - Connection Fees	100	75%	22%	470	181 - Expense Composite	
14125 - Billing Services (W)	6,450	100%		6,430		
14126 - Drainage Fees	-	100%		-		
Total 14120 - Other Revenues (W)	115,172			91,925	2,678	
Total (1) Water Department - Revenue	961,250			89,615	60,315	
(2) Wastewater Department - Rev						
14200 - Retail & Wholesale Revenues (WW)						
14201 - Minimum Bill/Volumetric Rev (WW)			100%			
14203 - Application Fee (WW)	-		100%			
14204 - Tap Fee (WW)	9,590		100%			
14205 - Late Fees (WW)	-		100%		15,500	
14206 - Return Check Fee (WW)	-		100%			
14207 - Inspection Fee (WW)	-		100%			
Total 14200 - Retail & Wholesale Revenues (WW)	19,590				15,500	
14220 - Other Revenues (WW)						
14221 - Grinder Pump Surcharges (WW)	11,250		100%		11,250	
14222 - Billing Services (WW)	10,725		100%		10,725	
Total 14220 - Other Revenues (WW)	21,975					
Total (2) Wastewater Department - Rev	21,975				26,225	
(3) Shared Department - Revenue						
14300 - Shared Department						
14301 - Inspection Fees & Plan Review	-		100%			
14302 - Legal Review Fees	-		100%			
14303 - Vehicle Lease	-		100%			
14304 - Interest Earned on Checking	753	75%	22%	560	153 - Expense Composite	
Total 14300 - Shared Department	753			560	153	
Total (3) Shared Department - Revenue	753			560	153	
Total Revenue Off-Set	1,177,958			89,615	26,468	
Total Revenue Requirement	14,319,214			11,262,098	3,057,116	
	TRUE			TRUE		
Composite, Less Commodities (raw water, chemicals, electricity, sludge)				14,319,214		
Water	2,000,092					
Wastewater	805,900					
	2,805,991	71%	29%			
Original Cost Allocation						
Water	128,603,059					
Wastewater	43,297,214					
	171,900,273	75%	25%			
Customer Count						
Water	5,479	74%	26%			

West Travis County Public Utility Agency
 FYE2013 Budget Planning

Schedule 3
 Water/Wastewater Split

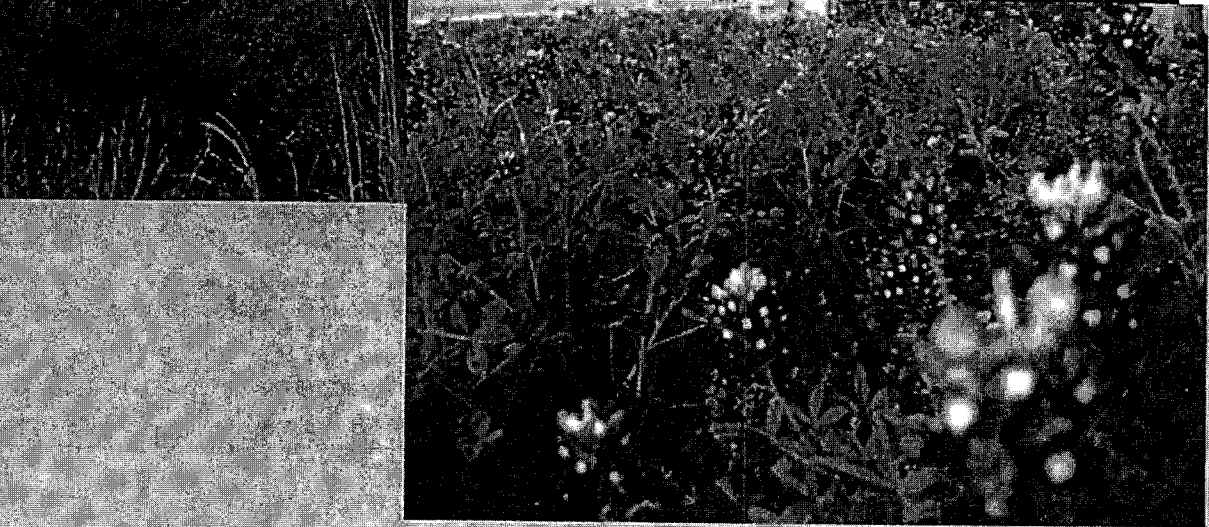
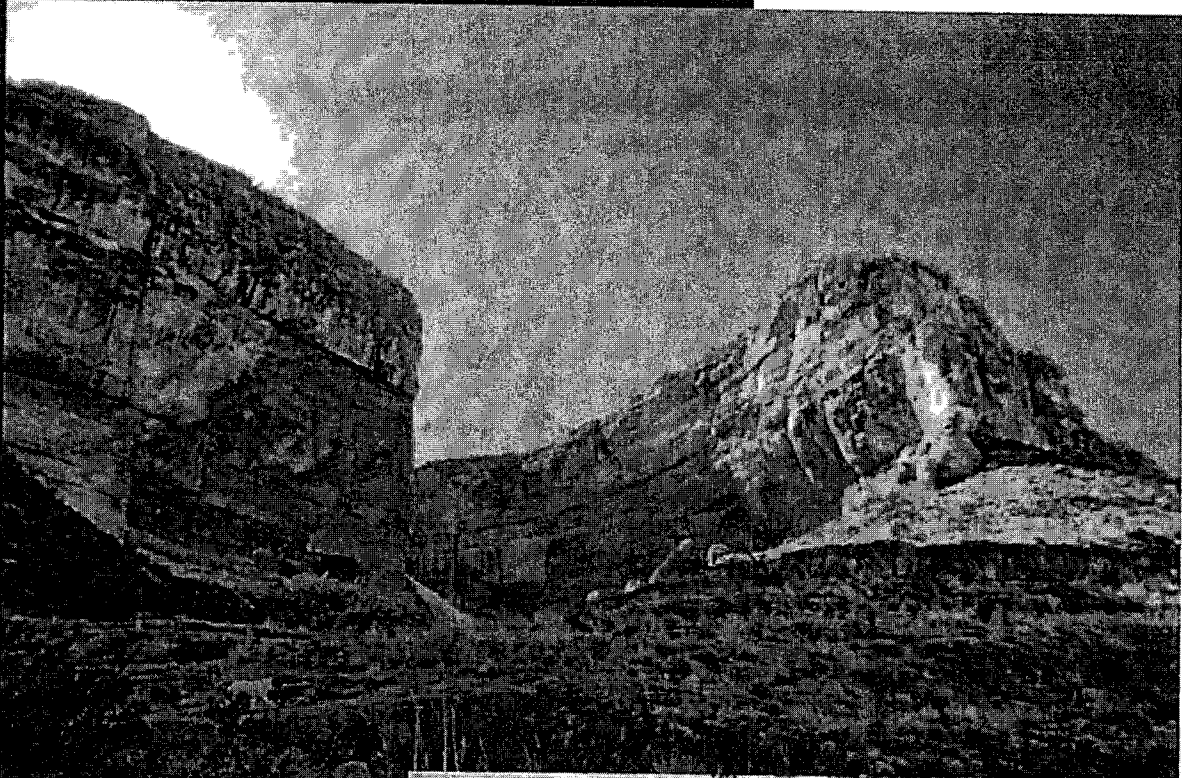
		FYE 2013 Revenue Requirement	% Water	% Wastewater	Wastewater Revenue Requirement	Wastewater Revenue Requirement	Notes
Wastewater		1,968					
		7,447					
Composite of Expenses	Water	12,143,303	78%				
	Wastewater	3,355,768		22%			
		15,499,072					

Schedule 4
Base-Rate Capacity Cost Functionalization

	FYE 2013 Revenue Requirement	% Base	% Extra	% Customer Costs	Base Costs	Extra Capacity Costs	Customer Costs	Notes
(1) Water Department - Expense								
16100 - LCRA Raw Water Reservation Fees								
16101 - LCRA - Raw Water Used (W)	12,546							Raw Water Removal from surface and added cost of treatment cost of water
16102 - LCRA - Raw Water Reservation (W)	172,294							Raw Water Removal from surface and added cost of treatment cost of water
Total 16100 - LCRA Raw Water Reservation Fees	184,840							
16110 - Contract Operations - Water								
16111 - Base Fee for Services (W)	673,424	42%	58%		283,801	389,623		System Base Extra Capacity Retention expense
16112 - Maintenance & Repairs (W)	129,600							
16113 - Customer Service (W)	287,769							
16114 - Engineering/Consult Fees (W)								
Total 16110 - Contract Operations - Water	1,091,213	42%	58%		283,801	807,412	287,769	
16120 - Material & Supplies (W)	10,000	42%	58%		4,200	5,800	297,405	System Base Extra Capacity
16130 - Chemicals (W)	220,150	42%	58%		92,464	127,686		System Base Extra Capacity
16140 - Transportation (W)		42%	58%					System Base Extra Capacity
16150 - Outside Services (W)	13,900	42%	58%		5,838	8,062		System Base Extra Capacity
16160 - Utilities - Electric (W)	1,385,476	42%	58%		583,830	801,646		System Base Extra Capacity
16170 - Utilities - Telephone (W)	14,978	42%	58%		6,290	8,688		System Base Extra Capacity
16180 - Environmental Regulatory Fee (W)	10,000	42%	58%		4,200	5,800		System Base Extra Capacity
16190 - Other Expenses (W)	250,000	42%	58%		105,000	145,000		System Base Extra Capacity
Total (1) Water Department - Expense	2,646,463	42%	58%		1,091,213	1,555,250	287,769	Allocated 1st cost and cost to customer based on estimate of time in customer service
(2) Wastewater Department - Exp								
16200 - Contract Operations - Wastewater								
16201 - Base Fee for Services (WW)								
16202 - Maintenance & Repairs (WW)								
16203 - Customer Services (WW)								
16204 - Engineering/Consult Fees (WW)								
Total 16200 - Contract Operations - Wastewater								
16210 - Materials & Supplies (WW)								
16220 - Chemicals (WW)								
16230 - Sludge Disposal (WW)								
16240 - Utilities - Electric (WW)								
16250 - Utilities - Telephone (WW)								
16260 - Environmental Regulatory Fee (WW)								
Special Programs								
16270 - Other Expenses (WW)	500,000							Excluded, Base Cost Cost
16280 - Utilities - Gas (WW)								
Total (2) Wastewater Department - Exp	500,000							
(3) Shared Department - Expense								
16300 - Professional Services								
General Operating								
16311 - General Counsel - Operating	107,000	42%	58%		44,840	62,160		Compensation, Revised Legal Contingency from System Wide
16312 - Engineering - Operating	50,000	42%	58%		21,000	29,000		Compensation
16313 - General Manager - Operating		42%	58%					Compensation
16314 - Bookkeeping - Operating		42%	58%					Compensation
16315 - Financial Manager - Operating		42%	58%					Compensation
16316 - General Counsel - Legislative		42%	58%					Compensation
Total General Operating	157,000	42%	58%		65,840	91,160		Compensation
Special Contract Services								
16321 - General Counsel - Special Contr		42%	58%					Compensation
16322 - Rate Study - Special Contract	45,000	42%	58%		18,900	26,100		Compensation
16323 - Inspection/Plan Review-Special	45,000	42%	58%		18,900	26,100		Compensation
16324 - Other Engineering Analysis-Spec	410,044	42%	58%		172,218	237,826		Compensation
Total Special Contract Services	900,044	42%	58%		379,018	520,926		System Base Extra Capacity
Transitional Support Services								
16331 - General Counsel - Transitional		42%	58%					Compensation
16332 - Engineering - Transitional		42%	58%					Compensation
16333 - Task 22 - SER Activities		42%	58%					Compensation
16334 - Engineering - Transitional - Other		42%	58%					Compensation
Total 16330 - Engineering - Transitional		42%	58%					Compensation
16341 - General Manager - Transitional		42%	58%					Compensation
16342 - Bookkeeping - Transitional		42%	58%					Compensation
16343 - Financial Manager - Transitional		42%	58%					Compensation
16344 - Misc - Transitional		42%	58%					Compensation
Total Transitional Support Services		42%	58%					Compensation
Total 16300 - Professional Services	1,557,044	42%	58%		658,058	898,986		
Personnel Expenses								
Salaries								
Benefits	41,542	42%	58%		17,448	24,094		
Total Personnel Services	41,542	42%	58%		17,448	24,094		Based on composition of salaries
16351 - Inventory Purchase Not Funded	285,326							Based on composition of salaries
Training	147,000							
Vehicles	14,209							
16362 - Leak Detection Program	15,000	42%	58%		6,300	8,700		System Base Extra Capacity
16371 - SCADA Control System Maintenance	50,000	42%	58%		21,000	29,000		System Base Extra Capacity
16384 - Mapping/GIS Program		42%	58%					System Base Extra Capacity
16395 - Tools & Shop Supplies	16,307	42%	58%		6,849	9,458		System Base Extra Capacity
16396 - Computer Maintenance & Repair	11,000	42%	58%		4,620	6,380		System Base Extra Capacity
16397 - Furniture		42%	58%					System Base Extra Capacity
16398 - Janitor/Contract Labor		42%	58%					System Base Extra Capacity
16399 - Office Data & Supplies	16,422	42%	58%		6,897	9,525		System Base Extra Capacity
16401 - Utilities - Office & Outside Fa	2,299	42%	58%		965	1,334		System Base Extra Capacity
16402 - Conservation Laboratory & Endure	27,000	42%	58%		11,340	15,660		System Base Extra Capacity
16403 - Insurance - General	80,408	42%	58%		33,771	46,637		System Base Extra Capacity
16404 - Bank Charges	7,265	42%	58%		3,051	4,214		System Base Extra Capacity
16405 - Misc. Operating Expense	13,927	42%	58%		5,849	8,078		System Base Extra Capacity
16406 - Developer Reimburse Int		42%	58%					System Base Extra Capacity
16407 - Lease Expense	4,973	42%	58%		2,089	2,884		System Base Extra Capacity

Schedule 4
Base-Extra Capacity Cost Functionalization

	FY21 2013 Revenue Requirement	% Base	% Extra	% Customer Costs	Base Costs	Extra Capacity Costs	Customer Costs	Notes
Total (1) Shared Department - Expense	1,001,764				897,138	665,907	140,760	
1660 - Miscellaneous Expense	71,279	41%	10%	0%	29,448	27,661	-	Component
17125 - Capital Outlay	140,786			100%	-	-	140,786	
Total O&M Expense	6,317,426				2,711,111	1,130,119	667,254	
In-Lieu of Debt Service (Operating Funded - Wastewater, Total & all)	1,929,917	42%	58%		-	-	-	System Base Extra Capacity
In-Lieu of Debt Service (Operating Funded - Water, Total System)	1,929,917	42%	58%		1,517,466	412,261	-	System Base Extra Capacity
In-Lieu of Debt Service (Operating Funded - Water, Retail Only)	1,399,960				-	-	-	Reimburse from Analysis and Allocated to Retail Only
Total Expenses	12,043,303				4,368,617	1,622,942	847,254	
Ordinary Income/Expense	FALSE				FALSE			
Revenue Off-Set								
(1) Water Department - Revenue								
14100 - Retail Revenue - Water								
14101 - Minimum Bill Revenues (W)		41%	39%	0%	-	-	-	Component
14102 - Volumetric Revenues (W)		41%	39%	0%	-	-	-	Component
14103 - Application Fee (W)	49,361			100%	-	-	49,361	Customer Cost
14104 - Tap Fees (W)	142,440			100%	-	-	142,440	Customer Cost
14105 - Late Fee (W)	132,132			100%	-	-	132,132	Customer Cost
14106 - Return Check Fee (W)	477			100%	-	-	477	Customer Cost
14107 - Inspection Fee (W)	470			100%	-	-	470	Customer Cost
14108 - Inquiry Fee	3,717			100%	-	-	3,717	Customer Cost
Total 14100 - Retail Revenue - Water	748,167			0%	-	-	748,167	Component
14110 - Wholesale Revenues - (WWSW)								
14111 - Minimum Bill Revenues (WWSW)		41%	39%	0%	-	-	-	Component
14112 - Volumetric Revenues (WWSW)		41%	39%	0%	-	-	-	Component
Total 14110 - Wholesale Revenues - (WWSW)					-	-	-	Component
14120 - Other Revenues (W)								
14121 - L.L.U. Reservation Fees (W)		41%	39%	0%	-	-	-	Component
14122 - Irrigation Customer Sales (W)		41%	39%	0%	-	-	-	Component
14123 - Meter Set Fee (W)	55,023			100%	-	-	55,023	Customer Cost
14124 - Connection Fees	470			100%	-	-	470	Customer Cost
14125 - Billing Services (W)	6,430			100%	-	-	6,430	Customer Cost
14126 - Drainage Fees		41%	39%	0%	-	-	-	Component
Total 14120 - Other Revenues (W)	91,943				-	-	91,943	Component
Total (1) Water Department - Revenue	840,110				-	-	840,110	
(2) Wastewater Department - Rev								
14200 - Retail & Wholesale Revenue (WW)								
14201 - Minimum Bill/Volumetric Rev (WW)		41%	39%	0%	-	-	-	Component
14202 - Application Fee (WW)		41%	39%	0%	-	-	-	Component
14203 - Tap Fee (WW)		41%	39%	0%	-	-	-	Component
14204 - Late Fees (WW)		41%	39%	0%	-	-	-	Component
14205 - Return Check Fee (WW)		41%	39%	0%	-	-	-	Component
14206 - Inspection Fee (WW)		41%	39%	0%	-	-	-	Component
Total 14200 - Retail & Wholesale Revenue (WW)					-	-	-	Component
14220 - Other Revenues (WW)								
14221 - Grinder Pump Surcharge (WW)		41%	39%	0%	-	-	-	Component
14222 - Billing Services (WW)		41%	39%	0%	-	-	-	Component
Total 14220 - Other Revenues (WW)					-	-	-	Component
Total (2) Wastewater Department - Rev					-	-	-	Component
(3) Shared Department - Revenue								
14300 - Shared Department								
14301 - Inspection Fees & Plan Review		41%	39%	0%	-	-	-	Component
14302 - Legal Review Fees		41%	39%	0%	-	-	-	Component
14303 - Vehicle Lease		41%	39%	0%	-	-	-	Component
14304 - Interest Earned on Checking	199			100%	-	-	199	Component
Total 14300 - Shared Department	199				244	229	-	Component
Total (3) Shared Department - Revenue	199				244	229	-	Component
Total Revenue Off-Set	847,254				244	229	-	Component
Total Revenue Requirement	11,162,098				4,368,373	1,622,713	(231,361)	
Rev All					7,757,724			
Raw Water, Also goes to 2 wholesale customers	995,660				3,119,620			
Repairs and Maintenance	528,000				10,877,344			
Debt Service	1,595,960							
	3,119,620							
System Base/Extra Capacity Composite	1,692,242	42%	58%	0%	699,051	856,702	-	



Water Resources
Management, LLC

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West Travis County Public Utility Agency
 FYE2014 Wholesale Customer Minimum Bill Analysis

DRAFT

Schedule 1

Summary of Existing Facilities Purchase Price

Summary of PUA Obligations		Series 2013	Series 2015	Series 2019	Total
	PUA Obligation	Funded Amount	Funded Amount	Funded Amount	
2012 Payment to LCRA, Refunded through Series 2013	\$ 23,588,485	\$ 23,588,485			\$ 23,588,485
2013 Payment to LCRA, Funded through Series 2013 Bonds	104,318,325	104,318,325			104,318,325
2015 Payment to LCRA, to be Funded through Series 2015 Bonds	19,914,694	-	19,914,694		19,914,694
2019 Payment to LCRA, to be Funded through Series 2019 Bonds	15,141,358	-	-	15,141,358	15,141,358
Less Impact Fees Received from LCRA - Water	(3,297,004)	(3,297,004)			(3,297,004)
Less Impact Fees Received from LCRA - Wastewater	(1,414,985)	(1,414,985)			(1,414,985)
	\$ 158,250,873	\$ 123,194,821	\$ 19,914,694	\$ 15,141,358	\$ 158,250,873
		78%	13%	10%	TRUE

Water Facilities		LCRA Original Cost	Series 2013 Funded Amount	Series 2015 Funded Amount	Series 2019 Funded Amount	Total
<u>System Wide Costs - Water</u>						
Uplands WTP Chem Building		\$ 2,217,574	\$ 1,726,333	\$ 279,065	\$ 212,176	\$ 2,217,574
Uplands WTP Plant		41,680,156	32,447,084	5,245,137	3,987,935	41,680,156
Uplands Raw Water Intake Expansion		431,102	335,603	54,251	41,248	431,102
High Service Pump Station 8 MGD to 14 MGD		4,177,452	3,252,054	525,701	399,696	4,177,452
Uplands Clearwell #2		1,032,674	803,914	129,954	98,806	1,032,674
		\$ 49,538,958	\$ 38,564,989	\$ 6,234,109	\$ 4,739,861	\$ 49,538,958
<u>SH 71 System Regional Projects - Water</u>						
Lazy 9 SW 71 Transmission Main		\$ 3,200,308	\$ 2,491,369	\$ 402,735	\$ 306,204	\$ 3,200,308
Transmission Main from Uplands Plant to Bee Cave Pump Station		1,612,112	1,254,994	202,872	154,246	1,612,112
Wolf Mountain (Crystal Mountain) EST		1,985,674	1,545,804	249,882	189,988	1,985,674
Senna Hills By-Pass Line		579,571	451,183	72,935	55,453	579,571
Hamilton Pool Road 1280 Pump Station Water Line		342,301	266,474	43,076	32,751	342,301
Hamilton Pool Road Water Line		6,859,971	5,340,336	863,276	656,358	6,859,971
Home Depot Pump Station		406,753	316,648	51,187	38,918	406,753
Home Depot Ground Storage Tank		152,269	118,538	19,162	14,569	152,269
Bee Cave Ground Storage Tank, Pump Station, Piping (off Cuernavaca)		724,726	564,183	91,201	69,341	724,726
Bee Cave Water Line to Cuernavaca		1,025,698	798,483	129,076	98,138	1,025,698
		\$ 16,889,383	\$ 13,148,013	\$ 2,125,403	\$ 1,615,967	\$ 16,889,383
<u>US 290 System Regional Projects - Water</u>						
Countyline Pump Station Upgrade						
1800 gpm to 3450 gpm		\$1,744,300	\$1,357,899	\$219,507	\$166,894	\$1,744,300
290 Pipeline						
a) 24" SWPPS to County Line		13,298,032	10,352,225	1,673,458	1,272,349	13,298,032
b) 20" Countyline to 1420 HGL EST		3,532,460	2,749,942	444,534	337,984	3,532,460
20" Main Uplands to SW Parkway (Easements)		524,724	408,486	66,033	50,205	524,724
1420 Elevated storage		2,275,455	1,771,392	286,349	217,714	2,275,455
Sawyer Ranch Road Ph 1 20"		1,226,030	954,437	154,287	117,306	1,226,030
Sawyer RR Ph 1 (Darden Hill)		1,339,600	1,042,849	168,579	128,172	1,339,600
		\$ 23,940,600	\$ 18,637,230	\$ 3,012,746	\$ 2,290,624	\$ 23,940,600
<u>Total Retail Facilities - Water</u>						
Total Retail Facilities - Water		\$ 38,234,117	\$ 29,764,419	\$ 4,811,479	\$ 3,658,220	\$ 38,234,117
<u>Total WATER Facilities</u>		\$ 128,603,059	\$ 100,114,650	\$ 16,183,737	\$ 12,304,671	\$ 128,603,059

Wastewater Facilities		LCRA Original	Series 2013	Series 2015	Series 2019
		Cost	Funded Amount	Funded Amount	Funded Amount
<u>Total Regional Facilities - Wastewater</u>					Total
Lakepointe WWTP		\$ 15,862,078	\$ 12,348,278	\$ 1,996,124	\$ 1,517,675
Bee Cave Regional System		8,801,729	6,851,952	1,107,632	842,145
Spillman Effluent Irrigation System		549,313	427,628	69,127	52,558
Palisades Effluent		24,683	19,215	3,106	2,362
CCNG Lift Station		20,193	15,720	2,541	1,932
RM 620 WW Line		1,306,887	1,017,383	164,462	125,042
Hwy 71 WW Line		1,034,310	805,188	130,160	98,962
		\$ 27,599,194	\$ 21,485,365	\$ 3,473,153	\$ 2,640,676
<u>Total Retail Facilities - Wastewater</u>					
Total Retail Facilities - Wastewater		\$ 15,698,024	\$ 12,220,566	\$ 1,975,479	\$ 1,501,978
<u>Total WASTEWATER Facilities</u>		\$ 43,297,218	\$ 33,705,931	\$ 5,448,632	\$ 4,142,654
					\$ 43,297,218

TOTAL FACILITIES COST

\$ 171,900,277 \$ 133,820,581 \$ 21,632,370 \$ 16,447,326 \$ 171,900,277