

Fee Schedule



(E) Criteria and Procedures for new Large-Volume Customers

Criteria

New large volume customers that have requested connection to the water and wastewater system must submit water use projections to Austin Water as part of the service extension process. Austin Water will review the water use projections to verify that the customer would consume more than 85.0 million gallons within a fiscal year at a single service address or campus.

Procedures

After the customer has provided Austin Water with water use projections, Austin Water will verify and approve the projections. On approval, the City will classify the customer as a large volume customer and charge the appropriate rate upon connection to the City's water and wastewater system. If Austin Water does not approve the customer's water use projections as being above the 85.0 million gallon level, the City will classify the customer appropriately.

Retail Monthly Customer Charges: \$10.30

Customers will be assessed a retail monthly charge for each meter when water consumption has registered, or for service of at least 10 days of the monthly billing period. Participants in the Customer Assistance Program (CAP) qualify for a waiver of the monthly customer charge.

Community Benefit Charge \$0.15 Per KGals

Fee charged per 1,000 gallons of water and wastewater billed for the billing period to fund the Customer Assistance Program (CAP).

Volume Unit Charge-Retail (All Volumes Unit Cost per 1,000 Gallons)

I. Residential

a. Single-Family Residential

0 - 2,000 Gallons	\$4.85	Per KGals
2,001 - over Gallons	\$9.94	Per KGals

b. Customer Assistance Program

0 - 2,000 Gallons	\$4.46	Per KGals
2,001 - over Gallons	\$8.78	Per KGals

II. Non-Residential:

a. Multifamily	\$8.93	Per KGals
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b. Commercial	\$8.95	Per KGals
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c. Large Volume

Cypress (Formerly Spansion)	\$7.90	Per KGals
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NXP Ed Bluestein	\$8.52	Per KGals
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NXP W William Cannon	\$8.66	Per KGals
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Samsung	\$7.75	Per KGals
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Skorpios Technologies (Formerly Novati)	\$7.74	Per KGals
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University of Texas	\$8.95	Per KGals
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Wastewater Service Rates for Wholesale Customers:

Fee Schedule

Austin Water Wastewater Utility Operating Fund	
2018-19	Note

(A) Application. For all bills and charges rendered on or after November 1, 2018, the City will charge the following rates for wholesale customers.

These charges are applicable to wholesale wastewater service customers of the City of Austin who are water districts, municipal utility districts, or other utilities which have metered water connections. In the absence of measured sewage volume by a means acceptable to the City, the volume service charge will be based on the average water usage during the designated three (3) month wastewater averaging period, or monthly water consumption, whichever is lower. If there is zero usage during one of the three months in the averaging period, the month with zero usage is eliminated, and the remaining two months are used in the wastewater averaging calculation. For new customers who have not established an average water usage during the December, January, and February billing period, the City will use the actual water consumption figure or the measured sewage volume to establish the wastewater billing.

(B) New Customers. The volume rate for any wholesale customer that is not listed above will be based on a weighted cost of service average of all Wholesale customers. That rate will remain in effect until the new customer establishes a full 12 month's consumption history. After that time, the Austin Water Utility will establish an individual rate and seek approval of that rate by the City Council.

Volume Unit Charge: All Volumes
(Unit Cost Per 1,000 Gallons)

Average Wholesale Wastewater Rate	\$5.66	Per KGals
Manor, City of	\$5.64	Per KGals
Mid-Tex Utilities (Avana Subdivision)	\$5.66	Per KGals
North Austin MUD #1	\$4.23	Per KGals
Northtown MUD	\$4.15	Per KGals
Rollingwood, City of	\$5.67	Per KGals
Sunset Valley, City of	\$5.71	Per KGals
Travis Co. WCID #17 - Comanche Canyon	\$3.98	Per KGals
Travis Co. WCID #17-Steiner Ranch	\$3.80	Per KGals
Wells Branch MUD - N.A.G.C.	\$4.14	Per KGals
West Lake Hills, City of	\$5.68	Per KGals

Wholesale Monthly Customer Charge \$10.30

Customers will be assessed a wholesale monthly charge for each meter when water consumption has registered or for service of at least 10 days of the monthly billing period.

North Austin MUD #1	\$51.00
Northtown MUD	\$60.00
Wells Branch MUD - N.A.G.C.	\$51.00

Wastewater Service Rates-Shady Hollow
Customers (Effective April 2, 2018
through December 31, 2020)

III. Monthly Wastewater Rates Per Wastewater Connection

A. For a residential customer having a water connection 3/4" or less in size (flat rate per month)

In-District	\$50.25
Out-of-District	\$65.95

B. For a non-residential customer or a customer having a water connection larger than 3/4", the charge shall be as set by the District.

C. Anything herein to the contrary notwithstanding, no wastewater service charge will be made based on water usage through Special Connections authorized as provided in Section 2.06 of this Chapter 2.

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund	
2018-19	Note

D. For AISD (Per Contract between Shady Hollow MUD and AISD)

Monthly Customer Account Charge

Customer Account Charge (\$/month)	\$10.30
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Volume Unit Charge: All Volumes

Austin Independent School District	\$7.16	Per KGals
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IV. Water and Wastewater Surcharge

(Applies only to out-of-District customers who are connected to and served by facilities owned by the District)

Monthly charge per out-of-District non residential unit - Set by District

Monthly charge per out-of-District residential unit (in addition to monthly water and wastewater charges)	\$28.97
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V. Credit Card Payments

i. Processing fee for payments by credit card

\$3.00

Per Transaction

ii. Fee for payments not honored by credit card company

10% of transaction (not to exceed \$25.00)

B. Capital Recovery Fees (Impact Fees)

Fees for lots that were platted after October 1, 2007 and before January 1, 2014. For lots platted prior to this period see previous fee schedules.

1. Drinking Water Protection Zone

1.1. Inside City Fees

Wastewater	\$1,200.00
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1.2. Outside City Fees

Wastewater	\$1,400.00
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2. Desired Development Zone

2.1. Inside City Fees

Wastewater	\$600.00
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2.2. Outside City Fees

Wastewater	\$1,000.00
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3. Desired Development Zone-Urban Watersheds

Wastewater	\$500.00
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4. Desired Development Zone-Central Urban Redevelopment Combining District and the area bounded by Lady Bird Lake, Lamar Blvd., 15th Street, and IH-35

Wastewater	\$400.00
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Fee Schedule



5. Outside of Austin Extraterritorial Jurisdiction (ETJ)

Wastewater	\$1,400.00
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6. Fees for lots that were platted on or after January 1, 2014 and before October 1, 2018. For lots platted prior to this date see previous fee schedules.

All Areas-Wastewater	\$2,200.00
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7. Fees for lots that were platted on or after October 1, 2018.

All Areas-Wastewater	\$2,500.00
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Capital Recovery Fee - Calculation of Service Units: Service Units are determined on rated continuous flow of the meter purchased at sale of tap. (AWWA Standards)

Calculation of the impact fee in accordance with the Local Government Code requires the use of "Service Units" a standardized measure of consumption, use, generation, or discharge attributable to an individual unit of development.

Meter Size-Meter Type

- a. 5/8" Positive Displacement
1 Service Unit
- b. 3/4" Positive Displacement
1.5 Service Units
- c. 1" Positive Displacement
2.5 Service Units
- d. 1 1/2" Positive Displacement
5 Service Units
- e. 1 1/2" Turbine
9 Service Units
- f. 2" Positive Displacement
8 Service Units
- g. 2" Turbine
16 Service Units
- h. 3" Compound
17.5 Service Units
- i. 3" Turbine
35 Service Units
- j. 4" Compound
30 Service Units
- k. 4" Turbine
65 Service Units
- l. 6" Compound
67.5 Service Units
- m. 6" Turbine
140 Service Units
- n. 8" Turbine
240 Service Units
- o. 10" Turbine
350 Service Units
- p. 12" Turbine
440 Service Units
- q. 6X2" Fire Service
Based On Domestic Demand
- r. 8X2" Fire Service
Based On Domestic Demand
- s. 10X2" Fire Service
Based On Domestic Demand

C. Other Fees

Fee Schedule



Addition to System Fee

Wastewater tap fees for all second connections and/or wastewater connections larger than six inches (6") are calculated on the total labor costs, transportation and equipment costs, materials and supplies costs, plus indirect and overhead costs for the connection. If the facility requiring wastewater service consist of more than fifteen living units (including, but not limited to apartments, motels, hotels, nursing homes, hospitals, etc.) or is of a commercial and/or industrial nature in excess of 4,000 square feet, a review by the Utility will be conducted to determine the need for a manhole in the sewer line. In the event that a manhole is required, the charge shall be calculated on a cost basis.

Connections and Manholes

The fees for wastewater connections and manholes performed by the City are as follows:

Connection Size-Location

6-inch or less-Zone 1-East	\$422.00
6-inch or less-Zone 2-Central	\$490.00
6-inch or less-Zone 3-West	\$560.00

Descaling Permit Fee \$685.00

Annual fee used to recoup the costs incurred in performing the tasks associated with regulating companies performing temporary descaling activities in the City of Austin's water service area (e.g., analyzing and documenting plans, specifications, applications and reports, monitoring and inspecting sites where temporary descaling activities have been authorized, enforcing regulations when violations occur, etc.). All of these activities are conducted to ensure compliance with pretreatment program and other health and safety requirements. This annual Descaling Permit Fee is prorated by quarter if the descaling company is in its first year of operation. Subsequent years of operations are charged at the full annual rate.

Dillo Dirt Sales

1-199 Cubic Yards	\$12.00
200-499 Cubic Yards	\$11.00
500 Cubic Yards and above	\$10.00

Evaporative Loss Credit Application and Processing Fee \$196.00

Non-refundable application and processing fee; customer is responsible for reporting timely and accurate meter readings each month. If customer reports an erroneous meter read or fails to meet the monthly reporting deadline, the Utility can waive the deadline for three instances in a twelve month period.

Industrial Waste Surcharge

Surcharge unit charges in dollars per pound

Ammonia-Nitrogen	\$1.55	exact fee is 1.559
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Rate is \$1.559 per pound of ammonia-nitrogen discharged into Austin Water's wastewater system by an Industrial User when the ammonia-nitrogen concentration is in excess of 35 mg/l. The surcharge fee for ammonia nitrogen will be charged to an Industrial User that uses or produces ammonia-nitrogen in a manufacturing process. The surcharge fee for ammonia-nitrogen will be determined by calculating the difference between the average concentrations discharged from such an Industrial User and the 35 mg/l threshold as described in the formula below:

Surcharge fee for ammonia-nitrogen = Volume of wastewater discharged (in millions of gallons) X 8.34 pounds per gallon x [\$1.559 per pound x (Industrial User's average ammonia-nitrogen (in mg/l) - 35 mg/l)]

BOD	\$0.50	exact fee is 0.5043
COD	\$0.22	exact fee is 0.2242
TSS	\$0.11	exact fee is 0.1087

Fee Schedule



Interest On Private Lateral Repair - Payment Agreements

Annual Interest Rate	10.00%
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Lab Services-Testing Fees

1. Automated General Chemical Analysis

Alkalinity, Auto-Titration	\$7.30	Ea.
Dissolved-Ortho Phosphorus	\$20.50	Ea.
Dissolved-Total Phosphorus	\$22.25	Ea.
Nitrate+Nitrite-Nitrogen	\$21.00	Ea.
Nitrite-Nitrogen	\$21.00	Ea.
Nitrogen Package: Nitrate+Nitrite- Nitrogen, Nitrite-Nitrogen and Nitrate-Nitrogen	\$46.00	Ea.
Ortho Phosphorus	\$20.50	Ea.
Total Kjeldahl Nitrogen	\$19.90	Ea.
Total Phosphorus	\$22.25	Ea.

2. General Chemical Analyses

Alkalinity-Total	\$7.10	Ea.
Ammonia-Nitrogen	\$8.45	Ea.
Biochemical Oxygen Demand	\$7.10	Ea.
Calcium	\$7.10	Ea.
Carbonaceous BOD	\$8.45	Ea.
Chemical Oxygen Demand	\$7.10	Ea.
Conductivity	\$7.10	Ea.
Cyanide, Amenable	\$56.50	Ea.
Cyanide, Total	\$43.00	Ea.
Dissolved Oxygen	\$7.10	Ea.
Nitrate-Nitrogen	\$8.45	Ea.
Oil & Grease	\$29.30	Ea.
Ortho Phosphorus	\$7.10	Ea.
Percent Solids in Semi-Solid Sample	\$8.45	Ea.
PH	\$7.10	Ea.
Temperature	\$7.10	Ea.
Total Dissolved Solids	\$7.10	Ea.
Total Organic Carbon by Persulfate - UV Oxidation	\$58.60	Ea.
Total Phosphorus	\$22.30	Ea.
Total Solids	\$8.45	Ea.
Total Suspended Solids	\$7.10	Ea.
Total Volatile Solids	\$9.65	Ea.
Turbidity	\$7.10	Ea.
Volatile Suspended Solids	\$8.45	Ea.

3. Ion Analyses by Ion Chromatography

Chloride	\$26.50	Ea.
Fluoride	\$49.00	Ea.

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund		
	2018-19	Note
Sulfate	\$26.50	Ea.
4. Metals Analyses and Digestions		
ICP Metals	\$12.50	Ea.
Mercury-Cold Vapor	\$47.60	Ea.
Sample Digestion	\$9.65	Ea.
5. Microbiological Analyses		
E. Coli (Colilert-MPN)	\$19.45	Ea.
E. Coli (Membrane Filter)	\$16.30	Ea.
Fecal Coliform (EC Broth-MPN)	\$16.30	Ea.
Fecal Coliform (Membrane Filter)	\$16.30	Ea.
Heterotrophic Plate Count (Pour Plate)	\$33.95	Ea.
Microscopic Examination	\$18.20	Ea.
Total Coliform (Colilert-MPN)	\$16.30	Ea.
Total Coliform + E. Coli (Colilert-MPN)	\$20.50	Ea.
6. Organic Analyses		
Acid & Base Neutral Extractable Organic Compounds by GCMS	\$506.50	Ea.
Volatile Organic Compounds by GCMS	\$215.00	Ea.
7. Miscellaneous Laboratory Services		
Bottle washing/maintenance per bottle	\$2.70	Ea.
Liquid Waste Hauler's Fees		
After Hours Receiving Station Fee	\$298.00	
<i>Fee to recover the costs incurred by AW in order to open and operate the hauled waste receiving station after normal business hours for a minimum of at least 2 hours. This fee applies to each 2 hour interval that the hauled waste receiving station is requested and authorized to be opened after hours.</i>		
Disposal and Treatment Fee		
Volume Basis: Vehicle Storage Capacity	100.00%	
Volume: Charge per 1,000 gallons of liquid waste	\$45.50	
Permit Fee	\$96.50	each
<i>The Permit Fee can be prorated by month if the Liquid Waste Hauler is in its first year of operation. Subsequent years of operation are charged at the full annual rate. For all the Liquid Waste Haulers the Permit Fee can be prorated by month when the annual Liquid Waste Hauler permit renewal date is adjusted.</i>		
Trip Ticket Book	\$10.50	
Vehicle Inspection or Re-inspection	\$46.75	
Mapping Sales		
Color Copies		
CD ROM Copies	\$6.25	Ea.
D-Size	\$46.00	Ea.
Municipal Utility District Map (11" x 17")	\$2.75	Ea.

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund		
	2018-19	Note
Wastewater Major Facilities Map (11" x 17")	\$2.75	Ea.
Wastewater System Map	\$2.75	Ea.
Photo Copies		
11" x 17"	\$1.25	Ea.
12" x 18"	\$2.75	Ea.
Blowbacks from Film	\$3.95	Ea.
C-Size (18" x 24")	\$3.95	Ea.
D-Size (24" x 36")	\$3.95	Ea.
D-Size bluelines or blacklines	\$3.95	Ea.
Impact Fee land use map with assumptions appendix	\$2.70	Ea.
Intersection Detail Drawings	\$1.05	Ea.
Plan and Profile Drawings	\$1.05	Ea.
Metered Wastewater Billing Application Fee	\$345.00	
<i>Fee to determine the feasibility of wastewater metering.</i>		
On-Site Sewage Facility (OSSF) & Alternative Wastewater System Fees		
Alternative Wastewater System Fee	\$630.00	
Emergency Holding Tank Fee		
Non-Single Family	\$445.00	each
Single-Family Residential	\$227.00	each
OSSF Tank Abandonment		
Private sewage facility cutover to sewer	\$56.00	each
Permit Review		
License Amendment or Design Change Fee	\$281.00	each
Alternative Wastewater System Design Change Fee	\$276.00	each
<i>The fee covers the cost of reviewing changes to submitted engineering designs of alternative wastewater collection systems.</i>		
Minor Re-permit Changes	\$314.00	
On-Site Sewage Facility Permit Fee (Permit to Construct/License to Operate)	\$630.00	each
Re-inspection	\$84.00	each
Site/Lot Evaluation	\$84.00	each
State OSSF Surcharge	\$10.00	each
Subdivision Review		
<i>Review of subdivisions served by private sewage facilities.</i>		
a. For the first 20 lots	\$175.00	First 20 lots
b. Each additional lot	\$7.10	Each additional lot
Post-Annexation Water and Sewer Fees		

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund	
2018-19	Note

Customers within the following areas pay an additional monthly post-annexation water and sewer rate as provided below:(1) The former Southland Oaks Municipal Utility District based on meter size - until November 6, 2021:

Meter Size

a. 5/8"	\$25.21
b. 3/4"	\$37.82
c. 1"	\$63.03
d. 1 1/2"	\$126.05
e. 2"	\$201.68
f. 3"	\$378.15
g. 4"	\$630.25
h. 6"	\$1,260.50
i. 8"	\$2,016.80
j. 10"	\$3,940.32
k. 12" or larger	\$5,629.14

Private Wastewater Lateral Evaluation Fee	\$116.00
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This fee covers the cost of providing site elevation analysis on City-identified private wastewater laterals that are defective and under enforcement activities by the City.

Re-Sampling Fee	\$212.00
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This re-sampling fee is used to recoup the costs associated with the sampling and analysis of wastewater discharge samples that are used to derive a wastewater surcharge for industrial users that request such a re-sample as authorized under Chapter 15-10 (Wastewater Regulations). A minimum of two samples per outfall per industrial user site are required. The re-sampling fee applies to each sample required to be collected in order to derive a wastewater surcharge. Industrial user customers may gain approval for only one re-sampling event per calendar year.

Safety and Technical Training

The courses below are offered to both City of Austin employees and any other interested persons:

Activated Sludge	\$210.00
Basic Wastewater	\$210.00
Chlorinator Maintenance	\$210.00
Pre-Utility Calculations	\$157.00
Pump and Motor Maintenance	\$210.00
Utility Calculations	\$157.00
Wastewater Collection	\$210.00
Wastewater Treatment	\$210.00

Sale of Reports/Publications

Decentralized Wastewater System Video	\$14.00	Ea.
WW Collection System Long Range Planning Guide	\$28.00	Ea.
WW Collection System Long Range Planning Guide Summary	\$2.80	Ea.

Service Extension Request with Administrative Approval

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund		
	2018-19	Notes

a. Cost per acre served	\$8.20	Per acre served
1. Minimum Charge	\$168.00	
2. Maximum Charge	\$420.00	

Service Extension Request with Council Approval

b. Cost per acre served	\$32.75	Per acre served
1. Minimum Charge	\$670.00	Minimum
2. Maximum Charge		No Maximum

Utility Piping Permit Fee \$670.00

Annual fee used to recoup the costs incurred in regulating the chemical providing companies performing temporary utility piping activities in the City of Austin's water service area (e.g., analyzing and documenting plans, specifications, applications and reports, monitoring and inspecting sites where temporary utility piping activities have been authorized, enforcing regulations when violations occur, etc.). All of these activities are conducted to ensure compliance with pretreatment program and other health and safety requirements. This annual Utility Piping Permit fee is prorated by quarter if the chemical provider company is in its first year of operation. Subsequent years of operation are charged at the full annual rate.

Utility Special Service Billings

The Utility charges the following hourly rates for these special service requests:

Flusher Truck	\$102.00
Hydrostatic Test	\$271.00
This fee includes up to four hours of labor, subsequent labor will be billed at \$90.00 per hour.	
Mini Camera	\$171.00
Rodding Machine	\$171.00
Smoke Test	\$102.00
TV Inspection Unit	\$171.00
Vactor Truck	\$171.00

Wastewater Discharge from Boats on Lake Austin

Fee per ten minutes of pumping.	\$0.50	Each 10 minute interval
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Wastewater Discharge Permit Base Fee

Permit Base Fees for Category I General and Category V Dental Industrial Users are charged on a monthly basis at 1/12 of the respective fee shown below. These Category I and Category V Permit Base Fees are only charged during the month(s) the General or Dental Industrial User's account is active. For all other Industrial Users (e.g. significant industrial users, categorical industrial users, major industrial users, other political subdivision industrial users, etc.) Permit Base Fees are charged on an annual basis at one of the rates shown below for Categories II through IV. This annual Permit Base Fee is prorated by quarter if the Industrial user is in its first year of operation. Subsequent years of operation are charged at the full annual rate. Analytical costs will be determined by the amount of Water Laboratory cost associated with each Industrial User. The Category V Permit Fee for Dental Industrial Users will only be applied when the federal categorical standards stipulated in 40 CFR 441 become effective.

Annual Permit Fee

Category I - General Industrial Users	\$169.50
Category II - Significant Industrial Users	\$700.00
Category III - Major Industrial Users	\$700.00
Category IV - Categorical Industrial Users	\$916.75
Category V - Dental Industrial Users	\$66.25

Fee Schedule

Austin Water - Austin Water Wastewater Utility Operating Fund		2018-19	Note
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Watercraft and Marinas Program Fees

Boat Pump-Out Facility \$61.50

Annual permit fee that AW charges customers with a boat pump-out facility operated on or adjacent to the surface waters of the City's water supply. This permit is required in accordance with Chapter 6-5, Article 3 (Watercraft and Marinas) of the Austin City Code.

Excursion Boat with Marine Sanitation Device \$24.50

Annual permit fee that AW charges customers with a marine sanitation device on a watercraft operated or intended for operation on the surface waters of the City's water supply.

Fee Schedule



Utility Charges/Rates

Reclaimed Water Service Rates

For all bills and charges rendered on or after November 1st, 2018, these rates are applicable to all sales or service of reclaimed water to retail customers served by the City of Austin. Customers will be assessed a monthly charge for each meter when water consumption has registered, or for service of at least 10 days of the monthly billing period. Reclaimed water used for domestic, cooling, or other non-irrigation purposes will be treated the same as potable water as it relates to wastewater billing.

a. Monthly Customer Charges:

Meter Size:

a. 5/8"	\$8.00
b. 3/4"	\$9.00
c. 1"	\$10.00
d. 1 1/2"	\$14.00
e. 2"	\$19.00
f. 3"	\$31.00
g. 4"	\$45.00
h. 6"	\$84.00
i. 8"	\$131.00
j. 10"	\$186.00
k. 12"	\$271.00

b. System-wide Volume Unit Charge:

Mandatory Connections (Volume Unit Cost Per 1,000 Gallons)	\$4.20	Per KGals
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New developments or redevelopments within 250 feet of an existing reclaimed main

Non-Mandatory Connections (Volume Unit Cost Per 1,000 Gallons)	\$2.82	Per KGals
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Customers with a site plan submitted prior to May 1, 2015, potable water conversion customers and customers with reclaimed main extensions greater than 250 feet.

c. Austin Energy Sandhill Power Plant

In April 2036, the fixed charge will end and the volumetric rate will revert to the system wide retail rate

Monthly Fixed Capital Charge	\$10,690.00	
Volume Unit Charge per 1,000 Gallons:	\$1.47	Per KGals

d. Parkland Reclaimed Water Rates:

Rates for reclaimed water use at City-owned parkland and golf courses

All Volumes (Unit Cost Per 1,000 Gallons)	\$1.32
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Tap & Reconnection Fees

Meter Tap & Reconnection Fees (not to exceed meter size 5/8" plus actual cost of meter fees) shall be waived for the installation of a water meter solely for a City-Supported Community Garden as defined in Chapter 14-7 of the City Code.

The fees for water and reclaimed water connection/reconnections performed by contractors in accordance with City connections procedures are as follows:

Meter Size:

a. 5/8" through 2" plus actual cost of meter	\$172.00
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Austin Water	Austin Water Reclaimed Water Utility Operating Fund	2018-19	Note
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b. 3" through 4" plus actual cost of meter	\$548.00
c. 6" or larger plus actual cost of meter	\$822.00

The fees for water and reclaimed water connections/reconnections performed by the City are as follows:

Meter Size:

a. 5/8" plus actual cost of meter	\$513.00
b. 3/4" plus actual cost of meter	\$537.00
c. 1" plus actual cost of meter	\$609.00
d. 1 1/2" plus actual cost of meter	\$1,000.00
e. 2" plus actual cost of meter	\$1,196.00

Tap Inspection Fee

Fee for inspection of water tap set-up to verify compliance with the standard meter detail of City of Austin code requirements.

Cost Per Inspection:

Water and Reclaimed Water Meter sizes 2" or less	\$68.50
Tap Re-inspection Fee	\$34.00

Fee charged for additional water tap inspection(s) after initial inspection has failed to be in compliance with standard meter detail of City of Austin code requirements. This fee must be paid in order to schedule a follow up inspection.

TEXAS WATER DEVELOPMENT BOARD
P.O. BOX 13231, CAPITOL STATION
AUSTIN, TX 78711-3231

AW Districts 10-14, Attachment 1

2014 Water Audit Report

A. Water Utility General Information

1. Water Utility Name: City of Austin Water & Wastewater

2. Contact:

2a. Name Dan Strub

2b. Telephone # (512) 972-0349

2c. Email Address dan.strub@austintexas.gov

3. Reporting Period: From 1/1/2014 To 12/31/2014

4. Source Water Utilization, percentage: Surface Water 100 % Ground Water 0 %

5. Population Served:

5a. Retail Population Served 896,363

5b. Wholesale Population Served 54,966 Assessment Scale

6. Utility's Length of Main Lines, miles 3,793.00 5

7. Number of Wholesale Connections Served 50

8. Total Retail Metered Connections 218,198

9. Service Connection Density 57.53

(Number of retail service connections / miles of main lines)

10. Average Yearly System Operating Pressure (psi) 77.3 5

11. Volume Units of Measure: Gallons

B. System Input Volume

29,148,336,469 gallons

12. Produced Water 4

%

13. Production Meter Accuracy (enter percentage) 100.00

4

gallons

29,148,336,469

14. Corrected Input Volume gallons

15,443,172,848

15. Total Water Purchased 4

gallons

2,579,530,487

16. Total Wholesale Water Sales 5

gallons

42,011,978,830

17. Total System Input Volume

Assessment
Scale**C. Authorized Consumption**

18. Billed Metered

<u>36,171,058,100</u>	gallons	<u>3</u>
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19. Billed Unmetered

<u>3,339,880</u>	gallons	<u>4</u>
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20. Unbilled Metered

<u>52,411,165</u>	gallons	<u>2</u>
-------------------	---------	----------

21. Unbilled Unmetered

<u>148,700,040</u>	gallons	<u>4</u>
--------------------	---------	----------

22. Total Authorized Consumption

<u>36,375,509,185</u>	gallons	
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D. Water Losses**23. Water Losses**

(Line 17 minus Line 22)

<u>5,636,469,645</u>	gallons	
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E. Apparent Losses

<u>97.90</u>	%	<u>3</u>
--------------	---	----------

24. Average Customer Meter Accuracy (Enter percentage)

<u>775,885,822</u>	gallons	
--------------------	---------	--

25. Customer Meter Accuracy Loss

26. Systematic Data Handling Discrepancy

<u>0</u>	gallons	<u>4</u>
----------	---------	----------

27. Unauthorized Consumption

<u>105,029,947</u>	gallons	<u>4</u>
--------------------	---------	----------

28. Total Apparent Losses

<u>880,915,769</u>	gallons	
--------------------	---------	--

F. Real Losses

29. Reported Breaks and Leaks

(Estimated volume of leaks & breaks repaired during the audit period)

<u>34,257,090</u>	gallons	<u>5</u>
-------------------	---------	----------

30. Unreported Loss

(Includes all unknown water loss)

<u>4,721,296,786</u>	gallons	<u>3</u>
----------------------	---------	----------

31. Total Real Losses

<u>4,755,553,876</u>	gallons	
----------------------	---------	--

(Line 29, plus Line 30)

AW Districts 10-14, Attachment 1

32. Water Losses (Apparent + Real) (Line 28 plus Line 31) = Line 23	<u>5,636,469,645</u> gallons	
33. Non-revenue Water (Water Losses + Unbilled Authorized Consumption) (Line 32, plus Line 20, plus Line 21)	<u>5,837,580,850</u> gallons	

G. Technical Performance Indicator for Apparent Loss

34. Apparent Losses Normalized (Apparent Loss Volume / # of Retail Service Connections/365)	<u>11</u> gallons	
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H. Technical Performance Indicators for Real Loss

35. Real Loss Volume (Line 31)	<u>4,755,553,876</u> gallons	
36. Unavoidable Annual Real Losses, volume (calculated)	<u>1,501,347,153</u> gallons	
37. Infrastructure Leakage Index (calculated) (Equals real loss volume divided by unavoidable annual real losses)	<u>3.16750</u>	
38. Real Losses Normalized (Real Loss Volume / # of Service Connections / 365) (This indicator applies if service connection density is greater than or equal to 32 / mile)	<u>60</u> gallons	
39. Real Losses Normalized (Real Loss Volume/Miles of Main Lines/365) (This indicator applies if service connection density is less than 32/mile)	<u>0</u> gallons	

Assessment
Scale

I. Financial Performance Indicators

40. Total Apparent Losses (Line 28)	<u>880,915,769</u> gallons	
41. Retail Price of Water	<u>\$0.00560</u>	<u>5</u>
42. Cost of Apparent Losses (Apparent loss volume multiplied by retail cost of water, Line 40 x Line 41)	<u>\$4,933,128.31</u>	
43. Total Real Losses (Line 31)	<u>4,755,553,875.56</u>	
44. Variable Production Cost of Water* (*Note: in case of water shortage, real losses might be valued at the retail price of water instead of the variable production cost.)	<u>\$0.00040</u>	<u>4</u>
45. Cost of Real Losses (Real Loss multiplied by variable production cost of water, Line 43 x Line 44)	<u>\$1,911,732.66</u>	

46. Total Assessment Scale**47. Total Cost Impact of Apparent and Real Losses**\$6,844,860.97**48. Comments**

Since system input volume is no longer water produced by treatment plants, but instead, raw water withdrawn from sources, the production meter accuracy is set to 100% to conform with raw water withdrawals, and water used in treatment process is included in unbilled unmetered water total

49. Total Water Loss %13.42 %**50. GPCD (Gallons Per Capita Per Day) Input**128.41**51. GPCD (Gallons Per Capita Per Day) Loss**17.23

TEXAS WATER DEVELOPMENT BOARD
P.O. BOX 13231, CAPITOL STATION
AUSTIN, TX 78711-3231
2015 WATER AUDIT REPORT

A. Water Utility General Information

1. Water Utility Name	<u>CITY OF AUSTIN WATER & WASTEWATER</u>		
1a. Regional Water Planning Area	<u>K</u>		
1b. Address	<u>PO BOX 1088</u>		
	<u>AUSTIN, TX 78767-1088</u>		
2. Contact Information			
2a. Name	<u>Dan Strub</u>		
2b. Telephone Number	<u>(512) 972-0349</u>		
2c. Email Address	<u>dan.strub@austintexas.gov</u>		
3. Reporting Period			
3a. Start Date	<u>01/01/2015</u>		
3b. End Date	<u>12/31/2015</u>		
4. Source Water Utilization			
4a. Surface Water	%	<u>100</u>	
4b. Ground Water	%	<u>0</u>	
5. Population Served			
5a. Retail Population Served		<u>926,624</u>	
5b. Wholesale Population Served		<u>56,822</u>	
Assessment Scale			
6. Utility's Length of Main Lines			
	miles	<u>3,760.00</u>	<u>5</u>
7. Total Retail Metered Connections - Active and Inactive			
		<u>221,040</u>	<u>5</u>

8. Number of Wholesale Connections Served	<u>51</u>		
9. Service Connection Density	<u>58.79</u>	connections per mile	
10. Average Yearly System Operating Pressure	<u>77.3</u>	psi	<u>5</u>
11. Volume Units of Measure	<u>Gallons</u>		
B. System Input Volume			
12. Volume of Water Intake	<u>31,837,585,749</u>	gallons	
13. Produced Water	<u>43,982,995,733</u>	gallons	<u>4.5</u>
13a. Production Meter Accuracy	<u>98.3</u>	%	<u>4.5</u>
13b. Corrected Input Volume	<u>44,743,637,572</u>	gallons	
14. Total Treated Purchased Water	<u>880,000</u>	gallons	<u>4.5</u>
14a. Treated Purchased Water Meter Accuracy	<u>100.0</u>	%	<u>2</u>
14b. Corrected Treated Purchased Water Volume	<u>2,538,933,179</u>	gallons	<u>4.5</u>

15. Total Treated Wholesale Water Sales

%
5
100.0

15a. Treated Wholesale Water Meter Accuracy

15b. Corrected Treated Wholesale Water Sales Volume

2,538,933,179

gallons

16. Total System Input Volume

gallons

Line 13b + Line 14b - Line 15b

42,205,584,393

Assessment
Scale

C. Authorized Consumption

gallons

3.5

17. Billed Metered

35,375,189,200

gallons

4

18. Billed Unmetered

3,211,226

gallons

2

19. Unbilled Metered

58,760,178

20. Unbilled Unmetered

41,595,245

gallons

4

21. Total Authorized Consumption

gallons

35,478,755,849

D. Water Losses

22. Water Losses

gallons

6,726,828,544

Line 16 - Line 21

E. Apparent Losses

23. Average Customer Meter Accuracy

%

97.903

24. Customer Meter Accuracy Loss

gallons

758,814,069

25. Systematic Data Handling Discrepancy

gallons

14

26. Unauthorized Consumption

gallons

105,513,9614**27. Total Apparent Losses**

gallons

864,328,031**F. Real Losses**

28. Reported Breaks and Leaks

gallons

61,222,3505

29. Unreported Loss

gallons

35,801,278,163**30. Total Real Losses**

gallons

5,862,500,513

Line 28 + Line 29

31. Total Water Losses

gallons

Line 27 + Line 30

6,726,828,544

32. Non-Revenue Water

gallons

Line 31 + Line 19 + Line 20

6,827,183,967**G. Technical Performance Indicator for Apparent Loss**

33. Apparent Losses Normalized

10.71

Line 27 / Line 7 / 365

gallons lost per
connection per day

H. Technical Performance Indicators for Real Loss

		gallons
	<u>5,862,500,513</u>	
34. Real Loss Volume		
Line 30		
35. Unavoidable Annual Real Losses Volume		gallons
(5.41 * Line 6 + (Line 7 * 0.15)) * 365 * Line 10	<u>1,509,408,035</u>	
36. Infrastructure Leakage Index		I.L.I
	<u>3.88</u>	
Line 34 / Line 35		
37. Real Losses Normalized - Service Connections		
	<u>72.66</u>	
Line 34 / Line 7 / 365		gallons lost per connection per day
38. Real Losses Normalized - Main Lines		
	<u>0.00</u>	
Line 34 / Line 6 / 365		gallons lost per mile per day

I. Financial Performance Indicators

		Assessment Scale
39. Total Apparent Losses		gallons
Line 27	<u>864,328,031</u>	
40. Retail Price of Water		
		\$/gallons
	<u>0.00562</u>	<u>5</u>
41. Cost of Apparent Losses		
Line 39 x Line 40	<u>\$4,857,523.53</u>	
42. Total Real Losses		gallons
Line 30	<u>5,862,500,513</u>	

43. Variable Production Cost of Water	\$/gallons
	<u>0.00040</u> <u>3</u>
44. Cost of Real Losses	
Line 42 x Line 43	<u>\$2,356,725.21</u>
45. Total Cost Impact of Apparent and Real Losses	
Line 41 + Line 44	<u>\$7,214,248.74</u>
46. Total Assessment Score	
	<u>80.5</u>
J. System Losses and Gallons Per Capita per Day (GPCD)	
47. Total Water Loss - Percentage	%
	<u>15.94</u>
48. GPCD Input	
	<u>125</u>
Line 16 / Line 5a / 365	
49. GPCD Loss	
	<u>20</u>
Line 31 / Line 5a / 365	
K. Wholesale Factor Adjustments	
	100.00 %
50. Percent of Treated Wholesale Water Traveling through General Distribution System	
	<u>2,538,933,179</u>
51. Volume of Treated Wholesale Water Traveling through General Distribution System	gallons
(Line 50/100) * Line 15b	
52. Wholesale Factor	
	<u>0.06</u>
Line 15b / (Line 13b + Line 14b)	
	<u>5,510,750,482</u>
53. Adjusted Real Loss Volume	gallons
	<u>\$2,215,321.70</u>
((1 - Line 52) x (Line 30 * Line 50 / 100)) +	
54. Adjusted Cost of Real Losses	
((1 - Line 52) x (Line 44 * Line 50 / 100)) +	

55. Adjusted Total Water Loss Volume

gallons

$((1 - \text{Line 52}) \times (\text{Line 31} * \text{Line 50} / 100)) +$

\$6,781,393.82

56. Adjusted Total Cost Impact of Apparent and Real Losses

$((1 - \text{Line 52}) \times (\text{Line 45} * \text{Line 50} / 100)) +$

68.3

57. Adjusted Real Loss Per Connection

$((1 - \text{Line 52}) \times (\text{Line 37} * \text{Line 50} / 100)) +$
 $(\text{Line 37} - (\text{Line 37} * \text{Line 50}/100))$

gallons lost per
connection per day

0

58. Adjusted Real Loss Per Mile

$((1 - \text{Line 52}) \times (\text{Line 38} * \text{Line 50} / 100)) +$
 $(\text{Line 38} - (\text{Line 38} * \text{Line 50}/100))$

gallons lost per
mile per day

3.65 I.L.I

59. Adjusted Infrastructure Leakage Index

$((1 - \text{Line 52}) \times (\text{Line 36} * \text{Line 50} / 100)) +$

%

14.98

60. Adjusted Total Water Loss - Percentage

$((1 - \text{Line 52}) \times (\text{Line 47} * \text{Line 50} / 100)) +$

19

61. Adjusted GPCD Loss

$((1 - \text{Line 52}) \times (\text{Line 49} * \text{Line 50} / 100)) +$

Comments

TEXAS WATER DEVELOPMENT BOARD

P.O. BOX 13231, CAPITOL STATION

AUSTIN, TX 78711-3231

2016 WATER AUDIT REPORT**A. Water Utility General Information**

1. Water Utility Name	<u>CITY OF AUSTIN WATER & WASTEWATER</u>	
1a. Regional Water Planning Area	<u>K</u>	
1b. Address	<u>PO BOX 1088</u>	
	<u>AUSTIN, TX 78767-1088</u>	
2. Contact Information		
2a. Name	<u>Dan Strub</u>	
2b. Telephone Number	<u>(512) 972-0349</u>	
2c. Email Address	<u>dan.strub@austintexas.gov</u>	
3. Reporting Period		
3a. Start Date	<u>01/01/2016</u>	
3b. End Date	<u>12/31/2016</u>	
4. Source Water Utilization		
4a. Surface Water	<u>100</u>	%
4b. Ground Water	<u>0</u>	%
5. Population Served		
5a. Retail Population Served	<u>954,648</u>	
5b. Wholesale Population Served	<u>58,540</u>	
6. Utility's Length of Main Lines	<u>3,837.00</u>	miles <u>5</u>
7. Total Retail Metered Connections - Active and Inactive	<u>225,070</u>	<u>5</u>

8. Number of Wholesale Connections Served	<u>50</u>		
9. Service Connection Density	<u>58.66</u>	connections per mile	
10. Average Yearly System Operating Pressure	<u>77.3</u>	psi	<u>5</u>
11. Volume Units of Measure	<u>Gallons</u>		
B. System Input Volume			
12. Volume of Water Intake	<u>46,383,425,801</u>	gallons	
13. Produced Water	<u>44,923,142,000</u>	gallons	<u>4.5</u>
13a. Production Meter Accuracy	<u>98.4</u>	%	<u>4.5</u>
13b. Corrected Input Volume	<u>45,653,599,594</u>	gallons	
14. Total Treated Purchased Water	<u>1,494,000</u>	gallons	<u>4.5</u>
14a. Treated Purchased Water Meter Accuracy	<u>100.0</u>	%	
14b. Corrected Treated Purchased Water Volume	<u>1,494,000</u>	gallons	<u>2</u>
	<u>2,527,643,397</u>	gallons	<u>2</u>

15. Total Treated Wholesale Water Sales

%

5

100.0

15a. Treated Wholesale Water Meter Accuracy

15b. Corrected Treated Wholesale Water Sales Volume

2,527,643,397

gallons

16. Total System Input Volume

gallons

Line 13b + Line 14b - Line 15b

43,127,450,197

Assessment
Scale

C. Authorized Consumption

gallons

3.5

17. Billed Metered

36,909,267,600

gallons

4

18. Billed Unmetered

100,906,542

gallons

2

19. Unbilled Metered

59,103,870

20. Unbilled Unmetered

78,256,141

gallons

4

21. Total Authorized Consumption

gallons

37,147,534,153

D. Water Losses

22. Water Losses

gallons

5,979,916,044

Line 16 - Line 21

E. Apparent Losses

23. Average Customer Meter Accuracy

%

97.903

24. Customer Meter Accuracy Loss

gallons

791,720,755

25. Systematic Data Handling Discrepancy

gallons

04

26. Unauthorized Consumption

gallons

107,818,6254**27. Total Apparent Losses**

gallons

899,539,381**F. Real Losses**

28. Reported Breaks and Leaks

gallons

42,984,3505

29. Unreported Loss

gallons

35,037,392,313**30. Total Real Losses**

gallons

5,080,376,663

Line 28 + Line 29

31. Total Water Losses

gallons

Line 27 + Line 30

5,979,916,044

32. Non-Revenue Water

gallons

Line 31 + Line 19 + Line 20

6,117,276,055**G. Technical Performance Indicator for Apparent Loss**

33. Apparent Losses Normalized

10.95

Line 27 / Line 7 / 365

gallons lost per
connection per day

H. Technical Performance Indicators for Real Loss

		gallons
	<u>5,080,376,663</u>	
34. Real Loss Volume		
Line 30		
35. Unavoidable Annual Real Losses Volume		gallons
	<u>1,538,217,015</u>	
(5.41 * Line 6 + (Line 7 * 0.15)) * 365 * Line 10		
36. Infrastructure Leakage Index		I.L.I
	<u>3.30</u>	
Line 34 / Line 35		
37. Real Losses Normalized - Service Connections		
	<u>61.84</u>	
Line 34 / Line 7 / 365		gallons lost per connection per day
38. Real Losses Normalized - Main Lines		
	<u>0.00</u>	
Line 34 / Line 6 / 365		gallons lost per mile per day

I. Financial Performance Indicators

		Assessment Scale
39. Total Apparent Losses		gallons
	<u>899,539,381</u>	
Line 27		
40. Retail Price of Water		
		\$/gallons
	<u>0.00565</u>	<u>5</u>
41. Cost of Apparent Losses		
	<u>\$5,082,397.50</u>	
Line 39 x Line 40		
42. Total Real Losses		gallons
	<u>5,080,376,663</u>	
Line 30		

43. Variable Production Cost of Water	\$/gallons
	<u>0.00046</u> <u>4</u>
44. Cost of Real Losses	
Line 42 x Line 43	<u>\$2,331,892.89</u>
45. Total Cost Impact of Apparent and Real Losses	
Line 41 + Line 44	<u>\$7,414,290.39</u>
46. Total Assessment Score	
	<u>79</u>
J. System Losses and Gallons Per Capita per Day (GPCD)	
47. Total Water Loss - Percentage	%
	<u>13.87</u>
48. GPCD Input	
Line 16 / Line 5a / 365	<u>124</u>
49. GPCD Loss	
Line 31 / Line 5a / 365	<u>17</u>
K. Wholesale Factor Adjustments	
50. Percent of Treated Wholesale Water Traveling through General Distribution System	100.00 %
51. Volume of Treated Wholesale Water Traveling through General Distribution System	<u>2,527,643,397</u> gallons
(Line 50/100) * Line 15b	
52. Wholesale Factor	<u>0.06</u>
Line 15b / (Line 13b + Line 14b)	
53. Adjusted Real Loss Volume	<u>4,775,554,063</u> gallons
((1 - Line 52) x (Line 30 * Line 50 / 100)) +	
	<u>\$2,191,979.32</u>
54. Adjusted Cost of Real Losses	
((1 - Line 52) x (Line 44 * Line 50 / 100)) +	

55. Adjusted Total Water Loss Volume

gallons

$$((1 - \text{Line 52}) \times (\text{Line 31} * \text{Line 50} / 100)) +$$

\$6,969,432.97

56. Adjusted Total Cost Impact of Apparent and Real Losses

$$((1 - \text{Line 52}) \times (\text{Line 45} * \text{Line 50} / 100)) +$$

58.13

57. Adjusted Real Loss Per Connection

$$((1 - \text{Line 52}) \times (\text{Line 37} * \text{Line 50} / 100)) +$$

$$(\text{Line 37} - (\text{Line 37} * \text{Line 50}/100))$$

gallons lost per
connection per day

0

58. Adjusted Real Loss Per Mile

$$((1 - \text{Line 52}) \times (\text{Line 38} * \text{Line 50} / 100)) +$$

$$(\text{Line 38} - (\text{Line 38} * \text{Line 50}/100))$$

gallons lost per
mile per day

3.1 I.L.I

59. Adjusted Infrastructure Leakage Index

$$((1 - \text{Line 52}) \times (\text{Line 36} * \text{Line 50} / 100)) +$$

%

13.04

60. Adjusted Total Water Loss - Percentage

$$((1 - \text{Line 52}) \times (\text{Line 47} * \text{Line 50} / 100)) +$$

16

61. Adjusted GPCD Loss

$$((1 - \text{Line 52}) \times (\text{Line 49} * \text{Line 50} / 100)) +$$

Comments

TEXAS WATER DEVELOPMENT BOARD
P.O. BOX 13231, CAPITOL STATION
AUSTIN, TX 78711-3231
2017 WATER AUDIT REPORT

A. Water Utility General Information

1. Water Utility Name	<u>CITY OF AUSTIN WATER & WASTEWATER</u>		
1a. Regional Water Planning Area	<u>K</u>		
1b. Address	<u>PO BOX 1088</u>		
	<u>AUSTIN, TX 78767-1088</u>		
2. Contact Information			
2a. Name	<u>Dan Strub</u>		
2b. Telephone Number	<u>(512) 972-0349</u>		
2c. Email Address	<u>dan.strub@austintexas.gov</u>		
3. Reporting Period			
3a. Start Date	<u>01/01/2017</u>		
3b. End Date	<u>12/31/2017</u>		
4. Source Water Utilization			
4a. Surface Water	%	<u>100</u>	
4b. Ground Water	%	<u>0</u>	
5. Population Served			
5a. Retail Population Served		<u>975,086</u>	
5b. Wholesale Population Served		<u>64,055</u>	
6. Utility's Length of Main Lines	miles	<u>3,848.00</u>	<u>5</u>
7. Total Retail Metered Connections - Active and Inactive		<u>229,071</u>	<u>5</u>

Assessment
Scale

8. Number of Wholesale Connections Served	<u>50</u>		
9. Service Connection Density	<u>59.53</u>	connections per mile	
10. Average Yearly System Operating Pressure	<u>77.3</u>	psi	<u>5</u>
11. Volume Units of Measure	<u>Gallons</u>		
B. System Input Volume			
12. Volume of Water Intake	<u>48,455,640,371</u>	gallons	
13. Produced Water	<u>47,592,529,787</u>	gallons	<u>4.5</u>
13a. Production Meter Accuracy	<u>98.4</u>	%	<u>4.5</u>
13b. Corrected Input Volume	<u>48,366,392,060</u>	gallons	
14. Total Treated Purchased Water	<u>689,000</u>	gallons	<u>4.5</u>
14a. Treated Purchased Water Meter Accuracy	<u>100.0</u>	%	
14b. Corrected Treated Purchased Water Volume	<u>689,000</u>	gallons	<u>2</u>
	<u>2,829,946,400</u>	gallons	<u>2</u>

15. Total Treated Wholesale Water Sales

%
5
100.0

15a. Treated Wholesale Water Meter Accuracy

15b. Corrected Treated Wholesale Water Sales Volume

2,829,946,400

16. Total System Input Volume

gallons

Line 13b + Line 14b - Line 15b

45,537,134,660

Assessment
Scale

C. Authorized Consumption

gallons
3.5

17. Billed Metered

37,909,491,100

gallons
4

18. Billed Unmetered

4,595,913

gallons
2

19. Unbilled Metered

54,684,090

20. Unbilled Unmetered

92,728,311

gallons
4

21. Total Authorized Consumption

gallons

38,061,499,414

D. Water Losses

22. Water Losses

gallons

7,475,635,246

Line 16 - Line 21

E. Apparent Losses

23. Average Customer Meter Accuracy

%

97.903

24. Customer Meter Accuracy Loss

gallons

813,176,009

25. Systematic Data Handling Discrepancy

gallons

14

26. Unauthorized Consumption

gallons

113,813,5224**27. Total Apparent Losses**

gallons

926,989,532**F. Real Losses**

28. Reported Breaks and Leaks

gallons

77,863,9395

29. Unreported Loss

gallons

36,470,781,775**30. Total Real Losses**

gallons

6,548,645,714

Line 28 + Line 29

31. Total Water Losses

gallons

Line 27 + Line 30

7,475,635,246

32. Non-Revenue Water

gallons

Line 31 + Line 19 + Line 20

7,623,047,647**G. Technical Performance Indicator for Apparent Loss**

33. Apparent Losses Normalized

11.09

Line 27 / Line 7 / 365

gallons lost per
connection per day

H. Technical Performance Indicators for Real Loss

		gallons
	<u>6,548,645,714</u>	
34. Real Loss Volume		
Line 30		
35. Unavoidable Annual Real Losses Volume		gallons
	<u>1,556,828,992</u>	
	(5.41 * Line 6 + (Line 7 * 0.15)) * 365 * Line 10	
36. Infrastructure Leakage Index		I.L.I
	<u>4.21</u>	
Line 34 / Line 35		
37. Real Losses Normalized - Service Connections		
	<u>78.32</u>	
Line 34 / Line 7 / 365		gallons lost per connection per day
38. Real Losses Normalized - Main Lines		
	<u>0.00</u>	
Line 34 / Line 6 / 365		gallons lost per mile per day

I. Financial Performance Indicators

		Assessment Scale
39. Total Apparent Losses		gallons
	<u>926,989,532</u>	
Line 27		
40. Retail Price of Water		
	<u>0.00584</u>	\$/gallons
41. Cost of Apparent Losses		<u>5</u>
Line 39 x Line 40	<u>\$5,413,618.87</u>	
42. Total Real Losses		gallons
	<u>6,548,645,714</u>	
Line 30		

43. Variable Production Cost of Water	\$/gallons
	<u>0.00037</u> <u>4</u>
44. Cost of Real Losses	
Line 42 x Line 43	<u>\$2,422,998.91</u>
45. Total Cost Impact of Apparent and Real Losses	
Line 41 + Line 44	<u>\$7,836,617.78</u>
46. Total Assessment Score	<u>79</u>
J. System Losses and Gallons Per Capita per Day (GPCD)	
47. Total Water Loss - Percentage	%
	<u>16.42</u>
48. GPCD Input	<u>128</u>
Line 16 / Line 5a / 365	
49. GPCD Loss	<u>21</u>
Line 31 / Line 5a / 365	
K. Wholesale Factor Adjustments	
50. Percent of Treated Wholesale Water Traveling through General Distribution System	100.00 %
51. Volume of Treated Wholesale Water Traveling through General Distribution System	<u>2,829,946,400</u> gallons
(Line 50/100) * Line 15b	
52. Wholesale Factor	<u>0.06</u>
Line 15b / (Line 13b + Line 14b)	
53. Adjusted Real Loss Volume	<u>6,155,726,971</u> gallons
((1 - Line 52) x (Line 30 * Line 50 / 100)) +	
	<u>\$2,277,618.98</u>
54. Adjusted Cost of Real Losses	
((1 - Line 52) x (Line 44 * Line 50 / 100)) +	

55. Adjusted Total Water Loss Volume

gallons

$((1 - \text{Line 52}) \times (\text{Line 31} * \text{Line 50} / 100)) +$

\$7,366,420.71

56. Adjusted Total Cost Impact of Apparent and Real Losses

$((1 - \text{Line 52}) \times (\text{Line 45} * \text{Line 50} / 100)) +$

73.62

57. Adjusted Real Loss Per Connection

gallons lost per
connection per day

$((1 - \text{Line 52}) \times (\text{Line 37} * \text{Line 50} / 100)) +$
 $(\text{Line 37} - (\text{Line 37} * \text{Line 50}/100))$

0

58. Adjusted Real Loss Per Mile

gallons lost per
mile per day

$((1 - \text{Line 52}) \times (\text{Line 38} * \text{Line 50} / 100)) +$
 $(\text{Line 38} - (\text{Line 38} * \text{Line 50}/100))$

3.95 I.L.I

59. Adjusted Infrastructure Leakage Index

$((1 - \text{Line 52}) \times (\text{Line 36} * \text{Line 50} / 100)) +$

%

15.43

60. Adjusted Total Water Loss - Percentage

$((1 - \text{Line 52}) \times (\text{Line 47} * \text{Line 50} / 100)) +$

20

61. Adjusted GPCD Loss

$((1 - \text{Line 52}) \times (\text{Line 49} * \text{Line 50} / 100)) +$

Comments

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TEXAS WATER DEVELOPMENT BOARD

P.O. BOX 13231, CAPITOL STATION

AUSTIN, TX 78711-3231

2018 WATER AUDIT REPORT

A. Water Utility General Information

1. Water Utility Name	<u>CITY OF AUSTIN WATER & WASTEWATER</u>	
1a. Regional Water Planning Area	<u>K</u>	
1b. Address	<u>PO BOX 1088</u>	
	<u>AUSTIN, TX 78767-1088</u>	
2. Contact Information		
2a. Name	<u>dan strub</u>	Have you completed Water Loss Auditor Training?
2b. Telephone Number	<u>(512) 972-0349</u>	☒ Yes
2c. Email Address	<u>dan.strub@ci.austin.tx.us</u>	☐ No
3. Reporting Period		
3a. Start Date	<u>01/01/2018</u>	
3b. End Date	<u>12/31/2018</u>	
4. Source Water Utilization		
4a. Surface Water	<u>100</u>	%
4b. Ground Water	<u>0</u>	%
5. Population Served		
5a. Retail Population Served	<u>999,960</u>	

5b. Wholesale Population Served	<u>61,319</u>	
6. Utility's Length of Main Lines	<u>3,929.78</u>	miles <u>4.5</u>
7. Total Retail Metered Connections - Active and Inactive	<u>235,382</u>	<u>5</u>
8. Number of Wholesale Connections Served	<u>49</u>	
9. Service Connection Density	<u>59.90</u>	connections per mile
10. Average Yearly System Operating Pressure	<u>77.3</u>	psi <u>4.5</u>
11. Volume Units of Measure	<u>Gallons</u>	
B. System Input Volume		
12. Volume of Water Intake	<u>48,426,059,616</u>	gallons
13. Produced Water	<u>47,231,243,268</u>	gallons <u>3.5</u>
13a. Production Meter Accuracy	<u>98.4</u>	% <u>3.5</u>
13b. Corrected Input Volume	<u>47,999,230,963</u>	gallons
14. Total Treated Purchased Water	<u>940,000</u>	gallons <u>2.5</u>
14a. Treated Purchased Water Meter Accuracy	<u>100.0</u>	%

			<u>0.5</u>
	940,000	gallons	
14b. Corrected Treated Purchased Water Volume			
	2,385,015,400	gallons	<u>4</u>
15. Total Treated Wholesale Water Sales			
		%	0.5
15a. Treated Wholesale Water Meter Accuracy	100.0		
		gallons	
15b. Corrected Treated Wholesale Water Sales Volume	2,385,015,400		
16. Total System Input Volume		gallons	
Line 13b + Line 14b - Line 15b	<u>45,615,155,563</u>		
			Assessment Scale
C. Authorized Consumption			
		gallons	<u>3.5</u>
17. Billed Metered	<u>38,442,953,800</u>		
		gallons	<u>5</u>
18. Billed Unmetered	<u>2,687,789</u>		
		gallons	<u>5</u>
19. Unbilled Metered	<u>59,572,555</u>		
20. Unbilled Unmetered			

	AW Districts 10-14, Attachment 5	
	gallons	5
	<u>45,179,594</u>	
21. Total Authorized Consumption		
	gallons	
	<u>38,550,393,738</u>	
D. Water Losses		
22. Water Losses		
	gallons	
	<u>7,064,761,825</u>	
Line 16 - Line 21		
E. Apparent Losses		
23. Average Customer Meter Accuracy		
	%	
	<u>97.90</u>	<u>4</u>
24. Customer Meter Accuracy Loss		
	gallons	
	<u>824,619,029</u>	
25. Systematic Data Handling Discrepancy		
	gallons	
	<u>1</u>	<u>2.5</u>
26. Unauthorized Consumption		
	gallons	
	<u>114,037,889</u>	<u>2.5</u>
27. Total Apparent Losses		
	gallons	
	<u>938,656,919</u>	
F. Real Losses		
28. Reported Breaks and Leaks		
	gallons	
	<u>89,113,730</u>	<u>5</u>
29. Unreported Loss		
	gallons	
	<u>6,036,991,176</u>	<u>4</u>
30. Total Real Losses		
	gallons	
	<u>6,126,104,906</u>	
Line 28 + Line 29		
31. Total Water Losses		
	gallons	
	<u>7,064,761,825</u>	
Line 27 + Line 30		

32. Non-Revenue Water

gallons

Line 31 + Line 19 + Line 20

7,169,513,974

G. Technical Performance Indicator for Apparent Loss

33. Apparent Losses Normalized

10.93

gallons lost per
connection per day

Line 27 / Line 7 / 365

H. Technical Performance Indicators for Real Loss

34. Real Loss Volume

gallons

Line 30

6,126,104,906

35. Unavoidable Annual Real Losses Volume

gallons

 $(5.41 * \text{Line 6} + (\text{Line 7} * 0.15)) * 365 * \text{Line 10}$

1,596,021,184

36. Infrastructure Leakage Index

I.L.I

Line 34 / Line 35

3.84

37. Real Losses Normalized - Service Connections

71.30

gallons lost per
connection per day

Line 34 / Line 7 / 365

38. Real Losses Normalized - Main Lines

0.00

gallons lost per
mile per day

Line 34 / Line 6 / 365

I. Financial Performance IndicatorsAssessment
Scale

39. Total Apparent Losses

gallons

Line 27

938,656,919

40. Retail Price of Water

		\$/gallons	4.5
	0.00558		
41. Cost of Apparent Losses			
Line 39 x Line 40	\$5,237,705.61		
42. Total Real Losses		gallons	
Line 30	6,126,104,906		
43. Variable Production Cost of Water		\$/gallons	
	0.00039		2.5
44. Cost of Real Losses			
Line 42 x Line 43	\$2,364,676.49		
45. Total Cost Impact of Apparent and Real Losses			
Line 41 + Line 44	\$7,602,382.10		
46. Total Assessment Score			
	72		
J. System Losses and Gallons Per Capita per Day (GPCD)			
47. Total Water Loss - Percentage		%	
	15.49		
48. GPCD Input			
	125		
Line 16 / Line 5a / 365			
49. GPCD Loss			
	19		
Line 31 / Line 5a / 365			
K. Wholesale Factor Adjustments			
50. Percent of Treated Wholesale Water Traveling through General Distribution System	100.00	%	
51. Volume of Treated Wholesale Water Traveling through General Distribution System	2,385,015,400	gallons	
(Line 50/100) * Line 15b			
52. Wholesale Factor	0.05		

Line 15b / (Line 13b + Line 14b)		
	5,819,799,661	
53. Adjusted Real Loss Volume		gallons
((1 - Line 52) x (Line 30 * Line 50 / 100)) +		
	\$2,246,442.67	
54. Adjusted Cost of Real Losses		
((1 - Line 52) x (Line 44 * Line 50 / 100)) +		
	6,711,523,734	
55. Adjusted Total Water Loss Volume		gallons
((1 - Line 52) x (Line 31 * Line 50 / 100)) +		
	\$7,222,263.00	
56. Adjusted Total Cost Impact of Apparent and Real Losses		
((1 - Line 52) x (Line 45 * Line 50 / 100)) +		
	67.74	
57. Adjusted Real Loss Per Connection		
((1 - Line 52) x (Line 37 * Line 50 / 100)) + (Line 37 - (Line 37 * Line 50/100))		gallons lost per connection per day
	0	
58. Adjusted Real Loss Per Mile		
((1 - Line 52) x (Line 38 * Line 50 / 100)) + (Line 38 - (Line 38 * Line 50/100))		gallons lost per mile per day
	3.65	I.L.I
59. Adjusted Infrastructure Leakage Index		
((1 - Line 52) x (Line 36 * Line 50 / 100)) +		
	14.72	%
60. Adjusted Total Water Loss - Percentage		
((1 - Line 52) x (Line 47 * Line 50 / 100)) +		
	18	
61. Adjusted GPCD Loss		
((1 - Line 52) x (Line 49 * Line 50 / 100)) +		

Comments

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FY18 Drainage Fee Expense by Department**Object Code: 6174:Drainage fee expense**

Department	Department Name	Expenses
9200	Animal Services	5,746.92
8200	Austin Convention Center	80,115.72
1100	Austin Energy	428,620.23
9100	Austin Public Health	19,034.92
8500	Austin Public Library	54,302.15
1500	Austin Resource Recovery	74,985.40
2400	Austin Transportation	3,915.29
2200	Austin Water	313,439.83
8100	Aviation	1,533,603.38
7500	Building Services	142,174.75
5600	Communications and Technology Management	46,886.67
5500	Economic Development	668.40
9300	Emergency Medical Services	2,118.48
8300	Fire	82,255.02
7800	Fleet Mobility Services	34,699.54
5700	Law	476.28
4600	Municipal Court	229.20
7200	Neighborhood Housing and Community Development	1,105.44
4300	Office of Real Estate Services	7,070.28
8600	Parks and Recreation	321,365.19
8700	Police	42,228.24
8707	Police CIPs	3,810.68
6000	Public Works-Capital Projects Management	1,956.24
6200	Public Works-Transportation	12,405.38
6300	Watershed Protection	21,189.48
6400	Wireless Communication Services	7,098.46
Total		3,241,501.57

**City of Austin
Water/Wastewater Departments
2018 Fixed Indirect Cost Rates
Based on FY2016 Full Cost**

Schedule 1

		Department Rate	Central Service Rate	Total Rate
A.	Salaries (5001-5023, 5026, 5028, 5030-5110)			
	Total Department	70,685,049		
	Less Administration	<u>(12,569,593)</u>		
		58,115,456	58,115,456	58,115,456
B.	Indirect Costs (Schedule 2)	25,361,283	12,354,047	37,715,330
C.	Carry Forward			
1.	2017 Rates	0.00%	0.00%	0.00%
2.	2017 Fixed Recovery (C.1 X B)	0	0	0
3.	FY2016 Carry Forward in 2017 Rates	<u>0</u>	<u>0</u>	<u>0</u>
4.	FY2017 Actual Recovery (C.2 + C.3)	<u>0</u>	<u>0</u>	<u>0</u>
5.	Carry Forward (B - C.4)	0	0	0
D.	2018 Fixed Indirect Costs (B + C.5)	25,361,283	12,354,047	37,715,330
E.	2018 Fixed Indirect Cost Rate (D / A)	43.64%	21.26%	64.90%
	USE:	<u>44%</u>	<u>21%</u>	<u>65%</u>

	<u>PY</u>
Dept	45%
Central	22%
Total	67%

City of Austin
Water/Wastewater Departments
2016 Fixed Indirect Cost Rates
Based on FY2016 Full Cost

	W Security Mgt 6020-2200-6004	Tap Sales 6020-2200-6242	Tap Investigation & Admin Supp 6020-2200-6244	Retail Customer Service 6020-2200-6245	W Facility Service 6020-2200-6246	W GIS Distribution 6020-2200-6417	W Internal Audit 6020-2200-6609	W Business Support 6020-2200-6610	W Purchasing 6020-2200-6613	W Accounts Payable 6020-2200-6616	W Organizational Development 6020-2200-6621
Departmental Administration:											
Regular Wages (4)	\$ 182,967	\$ 274,719	\$ 0	\$ 328,792	\$ 132,126	\$ 455,706	\$ 196,389	\$ 246,103	\$ 129,315	\$ 194,256	\$ 35,355
Sick and Vacation	\$ 20,715	\$ 26,417	\$ 0	\$ 42,695	\$ 17,959	\$ 61,665	\$ 23,316	\$ 40,228	\$ 19,976	\$ 16,539	\$ 2,872
Fringe Benefits	\$ 104,010	\$ 179,203	\$ 0	\$ 220,490	\$ 91,552	\$ 269,795	\$ 125,231	\$ 167,005	\$ 92,620	\$ 126,866	\$ 16,200
Salaries & Fringe Benefits (150)	307,691	480,339	0	591,977	241,638	787,166	344,936	453,336	241,911	337,761	54,427
Contractuals (152)	657,302	10,938	0	165	636,838	1,888	1,809	209,318	950	1,946	912
Commodities (154)	2,954	882	237	4,240	46,949	4,358	1,698	5,088	0	224	4,105
Expense Refunds (156)	0	0	0	0	0	0	0	0	0	0	0
Total per Report (1)	967,947	492,158	237	596,382	925,424	793,411	348,443	667,743	242,861	339,930	59,444
Deduct:											
Unallowables:											
152 6174 Drainage Fee	0	0	0	0	(21,181)	0	0	0	0	0	0
152 6843 Government Permits/Fees	0	0	0	0	(50)	0	0	0	0	0	0
154 7482 Food/ice	(4)	(115)	0	(28)	0	0	(30)	(581)	0	0	0
Allocation Adjustments (3):											
152 5260 Consulting - IT	0	0	0	0	0	0	0	0	0	0	0
152 5610 Services-Janitorial	0	0	0	0	(187,852)	0	0	0	0	0	0
152 5630 Services-Medical/Surgical	0	0	0	0	0	0	0	0	0	0	0
152 5675 Services-Security	(526,463)	0	0	0	0	0	0	0	0	0	0
152 5725 Services-IT Staffing	0	0	0	0	0	0	0	0	0	0	0
152 5760 Services-Internet/Cable	0	0	0	0	0	0	0	0	0	0	0
152 6123 Rental-Real Estate-Other	0	0	0	0	(10,864)	0	0	0	0	0	0
152 6190	0	0	0	0	0	0	0	0	0	0	0
152 6227 Interdepartmental - Plumbing	0	0	0	0	(163)	0	0	0	0	0	0
152 6228 Interdepartmental - Electrical	0	0	0	0	(983)	0	0	0	0	0	0
152 6245 Radio Communication	0	0	0	0	(26,864)	0	0	0	0	0	0
152 6247 Radio Comm - Towers	0	0	0	0	(2,018)	0	0	0	0	0	0
152 6248	0	0	0	0	(20,691)	0	0	0	0	0	0
152 6367 Maintenance-Hardware	(22,775)	0	0	0	0	0	0	0	0	0	0
152 6398 Maintenance-Chillers	0	0	0	0	0	0	0	0	0	0	0
152 6404 Telephone-Base Cost	0	0	0	0	0	0	0	0	0	0	0
152 6405 Telephone-Long Distance	0	0	0	0	0	0	0	0	0	0	0
152 6407 Telephone-Cellular	0	0	0	0	0	0	0	0	0	0	0
152 6520	0	0	0	0	0	0	(267)	0	0	0	0
152 6531 Seminar/Training Fees	0	0	0	0	0	0	0	(68,471)	0	0	0
152 6532 Educational Travel	0	0	0	0	0	0	0	(45,166)	0	0	0
152 6632 Memberships	0	0	0	0	0	0	(210)	(58,957)	(399)	0	0
154 7129 Refrigerant Components+HVAC	0	0	0	0	(547)	0	0	0	0	0	0
154 7486 Books-Library	0	0	0	0	0	0	(102)	(29)	0	0	0
Total Deductions	(549,242)	(115)	0	(28)	(271,013)	0	(609)	(173,204)	(399)	0	0
Total Departmental Administration	\$ 418,706	\$ 492,043	\$ 237	\$ 596,354	\$ 654,411	\$ 793,411	\$ 347,833	\$ 494,539	\$ 242,462	\$ 339,930	\$ 59,444
Departmental Sick & Vacation (less Admin)											
Subtotal											
Total Central Services (2)											
Total Indirect Costs											
(1) BG001 report as of 9/30/16 from ADV3											
(2) 2016 Full Cost Allocation Plan											
(3) Costs have been allocated based on FTE.											
Non-administrative costs have been deducted											
FTE positions: Administration	173.00	15.1%									
Operations	972.50	84.9%									
Total	1,145.50	100.0%									

City of Austin
Water/Wastewater Departments
2016 Fixed Indirect Cost Rates
Based on FY2016 Full Cost

	W Employment Compensation 8020-2200-6622	W Employee Relations 8020-2200-6623	W Utility Wide Safety Training 8020-2200-6640	W Financial Planning 8020-2200-6711	W Rates and Charges 8020-2200-6712	W Webberville Stores 8020-2200-6714	W Budget & Accounting 8020-2200-6721	W HVAC Services 8020-2200-6722	W Facility Program MGT - 8020-2200-6723	W Information Technology 8020-2200-6731
Departmental Administration:										
Regular Wages (4)	\$ 287,009	\$ 149,975	\$ 400,135	\$ 285,741	\$ 243,759	\$ 128,015	\$ 329,493	\$ 117,923	\$ 134,209	\$ 837,847
Sick and Vacation	\$ 14,878	\$ 17,987	\$ 42,182	\$ 26,624	\$ 40,346	\$ 14,496	\$ 51,513	\$ 11,504	\$ 20,300	\$ 133,131
Fringe Benefits	\$ 162,967	\$ 87,589	\$ 232,631	\$ 161,460	\$ 152,699	\$ 96,671	\$ 200,969	\$ 81,135	\$ 86,712	\$ 585,945
Salaries & Fringe Benefits (150)	464,854	265,532	674,947	473,825	436,804	239,182	581,975	210,563	241,221	1,656,723
Contractuals (152)	9,841	4,733	19,450	598	503	11,000	807	39,273	6,590	801,239
Commodities (154)	2,220	1,024	41,513	3,854	59	7,625	2,492	75,449	6,443	39,435
Expense Refunds (156)	(31,834)	0	0	0	0	(201,293)	0	0	0	0
Total per Report (1)	445,082	271,289	735,910	478,277	437,366	56,513	585,274	325,285	258,254	2,497,397
Deduct:										
Unallowables:										
152 6174 Drainage Fee	0	0	0	0	0	0	0	0	0	0
152 6843 Government Permits/Fees	0	0	(253)	0	0	0	0	0	(515)	0
154 7482 Food/Ice	(373)	(383)	(196)	(106)	0	(125)	0	(8)	0	(204)
Allocation Adjustments (3):										
152 5260 Consulting - IT	0	0	0	0	0	0	0	0	0	(7,176)
152 5610 Services-Janitorial	0	0	0	0	0	0	0	0	0	0
152 5630 Services-Medical/Surgical	0	(4,018)	(6,788)	0	0	0	0	0	0	0
152 5675 Services-Security	0	0	0	0	0	0	0	0	0	0
152 5725 Services-IT Staffing	0	0	0	0	0	0	0	0	0	(543)
152 5760 Services-Internet/Cable	0	0	0	0	0	0	0	0	(241)	(28,036)
152 6123 Rental-Real Estate-Other	0	0	0	0	0	0	0	0	0	0
152 6190	0	0	0	0	(427)	0	0	0	0	0
152 6227 Interdepartmental -Plumbing	0	0	0	0	0	0	0	0	0	0
152 6228 Interdepartmental -Electrical	0	0	0	0	0	0	0	0	0	0
152 6246 Radio Communication	0	0	0	0	0	0	0	0	0	0
152 6247 Radio Comm - Towers	0	0	0	0	0	0	0	0	0	0
152 6248	0	0	0	0	0	0	0	0	0	0
152 6387 Maintenance-Hardware	0	0	0	0	0	0	0	0	0	(13,488)
152 6398 Maintenance-Chillers	0	0	0	0	0	0	0	(853)	0	0
152 6404 Telephone-Base Cost	0	0	0	0	0	0	0	0	0	(89,097)
152 6405 Telephone-Long Distance	0	0	0	0	0	0	0	0	0	(18,382)
152 6407 Telephone-Cellular	0	0	0	0	0	0	0	0	0	(129,860)
152 6520	(8,282)	0	0	(161)	0	0	0	0	0	0
152 6531 Seminar/Training Fees	0	0	0	0	0	0	0	0	0	0
152 6532 Educational Travel	0	0	0	0	0	0	0	0	0	0
152 6632 Memberships	0	0	0	0	0	0	0	0	0	(800)
154 7129 Refrigerant Components-HVAC	0	0	0	0	0	0	0	(32,734)	(789)	0
154 7486 Books-Library	0	0	(15,923)	0	0	0	0	0	0	(849)
Total Deductions	(8,655)	(4,412)	(23,180)	(267)	(427)	(125)	0	(33,595)	(1,544)	(290,446)
Total Departmental Administration	\$ 436,427	\$ 266,877	\$ 712,731	\$ 478,010	\$ 436,939	\$ 56,388	\$ 585,274	\$ 291,689	\$ 254,710	\$ 2,206,950

Departmental Sick & Vacation (less Admin)

Subtotal

Total Central Services (2)

Total Indirect Costs

(1) BG001 report as of 9/30/16 from ADV3

(2) 2016 Full Cost Allocation Plan

(3) Costs have been allocated based on FTE

Non-administrative costs have been deducted.

FTE positions	Administration	173.00	15.1%
	Operations	972.50	84.9%
	Total	1,145.50	100.0%

City of Austin
Water/Wastewater Departments
2018 Fixed Indirect Cost Rates
Based on FY2016 Full Cost

	WW Security Mgt 8030-2200-8004	WW Facility MGT - Service Center 8030-2200-8248	WW GIS - Collection 8030-2200-8417	WW Internal Audit 8030-2200-8609	WW Business Support 8030-2200-8610	WW Financial Planning & Anal 8030-2200-8811	WW Rates and Charges 8030-2200-8812	WW Purchasing 8030-2200-8813	WW Webberville Store 8030-2200-8814	WW Accounts Payable 8030-2200-8815	WW Budget Accounting 8030-2200-8821
Departmental Administration:											
Regular Wages (4)	\$ 183,228	\$ 147,525	\$ 455,354	\$ 196,200	\$ 208,573	\$ 293,904	\$ 243,755	\$ 128,399	\$ 127,810	\$ 194,230	\$ 329,919
Sick and Vacation	\$ 23,928	\$ 17,612	\$ 64,262	\$ 23,235	\$ 30,926	\$ 26,078	\$ 40,257	\$ 19,977	\$ 14,502	\$ 16,528	\$ 51,302
Fringe Benefits	\$ 106,946	\$ 94,216	\$ 270,172	\$ 125,000	\$ 153,118	\$ 163,337	\$ 152,673	\$ 92,640	\$ 96,618	\$ 128,272	\$ 200,898
Salaries & Fringe Benefits (150)	314,101	259,352	789,787	344,435	393,617	483,319	436,686	242,015	238,928	339,030	582,119
Contractuals (152)	662,317	969,035	1,887	1,809	204,550	598	0	520	6,051	1,946	807
Commodities (154)	1,990	58,446	4,198	1,531	5,188	3,540	166	0	5,109	224	2,396
Expense Refunds (156)	0	0	0	0	0	0	0	0	(201,293)	0	0
Total per Report (1)	978,407	1,286,833	795,873	347,775	603,366	487,458	436,852	242,536	48,794	341,200	585,322
Deduct:											
Unallowables:											
152 6174 Drainage Fee	0	(59,640)	0	0	0	0	0	0	0	0	0
152 6843 Government Permits/Fees	0	(50)	0	0	0	0	0	0	0	0	0
154 7482 Food/ice	0	(42)	0	(30)	(581)	(50)	0	0	(160)	0	0
Allocation Adjustments (3):											
152 5260 Consulting - IT	0	0	0	0	0	0	0	0	0	0	0
152 5610 Services-Janitorial	0	(187,652)	0	0	0	0	0	0	0	0	0
152 5630 Services-Medical/Surgical	0	0	0	0	0	0	0	0	0	0	0
152 5675 Services-Security	(526,463)	0	0	0	0	0	0	0	0	0	0
152 5725 Services-IT Staffing	0	0	0	0	0	0	0	0	0	0	0
152 5760 Services-Internet/Cable	0	0	0	0	0	0	0	0	0	0	0
152 6123 Rental-Real Estate-Other	0	(10,864)	0	0	0	0	0	0	0	0	0
152 8190	0	0	0	0	0	0	0	0	0	0	0
152 8227 Interdepartmental -Plumbing	0	(163)	0	0	0	0	0	0	0	0	0
152 8228 Interdepartmental -Electrical	0	0	0	0	0	0	0	0	0	0	0
152 8245 Radio Communication	0	(26,864)	0	0	0	0	0	0	0	0	0
152 8247 Radio Comm - Towers	0	(2,018)	0	0	0	0	0	0	0	0	0
152 8248	0	(20,691)	0	0	0	0	0	0	0	0	0
152 8387 Maintenance-Hardware	(31,856)	0	0	0	0	0	0	0	0	0	0
152 8398 Maintenance-Chillers	0	0	0	0	0	0	0	0	0	0	0
152 6404 Telephone-Base Cost	0	0	0	0	0	0	0	0	0	0	0
152 6405 Telephone-Long Distance	0	0	0	0	0	0	0	0	0	0	0
152 6407 Telephone-Cellular	0	0	0	0	0	0	0	0	0	0	0
152 6520	0	0	0	(267)	0	(161)	0	0	0	0	0
152 6531 Seminar/Training Fees	0	0	0	0	(81,577)	0	0	0	0	0	0
152 6532 Educational Travel	0	0	0	0	(41,687)	0	0	0	0	0	0
152 6632 Memberships	0	0	0	(210)	(46,222)	0	0	(34)	0	0	0
154 7129 Refrigerant Components-HVAC	0	(470)	0	0	0	0	0	0	0	0	0
154 7486 Books-Library	0	0	0	(102)	(29)	0	0	0	0	0	0
Total Deductions	(558,319)	(308,454)	0	(609)	(170,095)	(212)	0	(34)	(160)	0	0
Total Departmental Administration	\$ 420,088	\$ 978,380	\$ 795,873	\$ 347,166	\$ 433,260	\$ 487,246	\$ 436,852	\$ 242,502	\$ 48,634	\$ 341,200	\$ 585,322

Departmental Sick & Vacation (less Admin)

Subtotal

Total Central Services (2)

Total Indirect Costs

(1) BG001 report as of 9/30/16 from ADV3

(2) 2016 Full Cost Allocation Plan

(3) Costs have been allocated based on FTE.

Non-administrative costs have been deducted

FTE positions	Administration	173.00	15.1%
	Operations	972.50	84.9%
	Total	1,145.50	100.0%

Schedule 2

City of Austin
Water/Wastewater Departments
2018 Fixed Indirect Cost Rates
Based on FY2016 Full Cost

	WW Facility MGT - Waller Creek 8030-2200-8622	WW Facility Program Management 8030-2200-8623	WW Information Technology 8030-2200-8631	WW Tap Sales 8030-2200-8642	WW Taps Invest. & Admin Support 8030-2200-8644	WW Retail Customer Service 8030-2200-8645	WW Organizational Development 8030-2200-8721	WW Employment Com 8030-2200-8722	WW Employee Relations 8030-2200-8723	WW Safety and Training 8030-2200-8740	Total
Departmental Administration:											
Regular Wages (4)	\$ 123,410	\$ 137,429	\$ 937,483	\$ 162,147	\$ 0	\$ 362,764	\$ 19,895	\$ 306,874	\$ 145,037	\$ 398,386	10,293,956
Sick and Vacation	\$ 11,772	\$ 20,305	\$ 122,223	\$ 19,170	\$ 0	\$ 44,480	\$ 2,872	\$ 25,406	\$ 17,368	\$ 42,182	1,279,725
Fringe Benefits	\$ 82,324	\$ 88,170	\$ 583,669	\$ 115,237	\$ 0	\$ 227,923	\$ 15,017	\$ 173,128	\$ 95,101	\$ 232,077	6,449,359
Salaries & Fringe Benefits (150)	217,505	245,903	1,643,375	296,554	0	635,167	37,784	505,406	258,504	672,645	18,023,040
Contractuals (152)	27,428	5,406	805,041	1,425	0	0	90	9,841	3,584	13,313	5,131,749
Commodities (154)	50,082	7,677	38,961	255	0	1,517	3,646	1,878	548	39,777	479,976
Expense Refunds (155)	0	0	0	0	0	0	0	(53,346)	0	0	(487,766)
Total per Report (1)	295,014	258,987	2,487,376	298,234	0	636,684	41,520	463,779	262,637	725,735	23,146,999
Deduct:											
Unallowables											
152 6174 Drainage Fee	(11,698)	0	0	0	0	0	0	0	0	0	(92,519)
152 8843 Government Permits/Fees	0	(515)	0	0	0	0	0	0	0	(253)	(1,635)
154 7482 Food/ice	(75)	0	(30)	0	0	0	0	(373)	(393)	(530)	(4,428)
Allocation Adjustments (3)											
152 5280 Consulting - IT	0	0	(7,176)	0	0	0	0	0	0	0	(14,352)
152 5610 Services-Janitorial	0	0	0	0	0	0	0	0	0	0	(375,303)
152 5630 Services-Medical/Surgical	0	0	0	0	0	0	0	0	(3,043)	(6,788)	(20,636)
152 5675 Services-Security	0	0	0	0	0	0	0	0	0	0	(1,052,925)
152 5725 Services-IT Staffing	0	0	(543)	0	0	0	0	0	0	0	(1,087)
152 5760 Services-Internet/Cable	0	(241)	(29,038)	0	0	0	0	0	0	0	(58,556)
152 6123 Rental-Real Estate-Other	0	0	0	0	0	0	0	0	0	0	(21,729)
152 6190	0	0	0	0	0	0	0	0	0	0	(427)
152 6227 Interdepartmental -Plumbing	0	0	0	0	0	0	0	0	0	0	(326)
152 6228 Interdepartmental -Electrical	0	0	0	0	0	0	0	0	0	0	(983)
152 6245 Radio Communication	0	0	0	0	0	0	0	0	0	0	(53,728)
152 6247 Radio Comm - Towers	0	0	0	0	0	0	0	0	0	0	(4,037)
152 6248	0	0	0	0	0	0	0	0	0	0	(41,382)
152 6387 Maintenance-Hardware	0	0	(13,404)	0	0	0	0	0	0	0	(81,523)
152 6398 Maintenance-Chillers	(209)	0	0	0	0	0	0	0	0	0	(1,062)
152 6404 Telephone-Base Cost	0	0	(89,098)	0	0	0	0	0	0	0	(178,195)
152 6405 Telephone-Long Distance	0	0	(19,392)	0	0	0	0	0	0	0	(38,784)
152 6407 Telephone-Cellular	0	0	(129,834)	0	0	0	0	0	0	0	(259,694)
152 6520	0	0	0	0	0	0	0	(8,282)	0	0	(17,420)
152 6531 Seminar/Training Fees	0	0	0	0	0	0	0	0	0	0	(150,048)
152 6532 Educational Travel	0	0	0	0	0	0	0	0	0	0	(86,853)
152 6632 Memberships	0	0	(800)	0	0	0	0	0	0	0	(107,632)
154 7129 Refrigerant Components-HVAC	(27,861)	(398)	0	0	0	0	0	0	0	0	(62,799)
154 7486 Books-Library	0	0	(878)	0	0	0	0	0	0	(15,823)	(33,834)
Total Deductions	(39,843)	(1,153)	(290,192)	0	0	0	0	(8,655)	(3,436)	(23,493)	(2,761,888)
Total Departmental Administration	\$ 255,171	\$ 257,834	\$ 2,197,184	\$ 298,234	\$ 0	\$ 636,684	\$ 41,520	\$ 455,124	\$ 259,201	\$ 702,241	\$ 20,385,100
Departmental Sick & Vacation (less Admin)											4,976,183
Subtotal											25,361,283
Total Central Services (2)											12,354,047
Total Indirect Costs											\$ 37,715,330
(1) BG001 report as of 9/30/16 from ADV3											
(2) 2016 Full Cost Allocation Plan											
(3) Costs have been allocated based on FTE											
Non-administrative costs have been deducted											
FTE positions: Administration	173.00	15.1%									
Operations	972.50	84.9%									
Total	1,145.50	100.0%									

BFY	2016															
DEPT_CD	2200															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Sum of ACTU_EXP_AM	FUND_CD	UNIT_CD														
	5020															
IDC Category	6004	6242	6244	6245	6248	6417	6609	6610	6613	6615	6621	6622	6623	6640	6711	6712
1-Sal	182,966.70	274,719.11	0.00	328,792.42	132,126.45	455,705.86	196,388.72	246,102.99	129,314.88	194,256.22	35,354.97	287,009.21	149,975.43	400,134.77	285,740.51	243,759.46
2-Vac	20,714.94	26,416.65	0.00	42,694.69	17,959.49	61,665.42	23,315.73	40,228.43	19,976.33	16,538.72	2,872.13	14,878.00	17,987.21	42,181.95	26,624.21	40,346.17
3-Fringe	104,009.69	179,203.05	0.00	220,489.69	91,551.80	269,794.52	125,231.49	167,004.93	92,619.63	126,965.70	16,200.24	162,966.75	97,568.99	232,630.62	161,460.48	152,698.82
Alloc	660,537.10	11,704.10	236.85	4,377.46	685,367.52	8,245.67	3,476.59	214,654.81	950.22	2,169.80	5,016.41	-20,145.26	5,363.61	63,238.96	4,346.35	561.77
Unallowable	4.00	115.44	0.00	27.71	21,230.73		30.21	580.52				372.90	393.48	449.18	105.87	
Grand Total	968,232.43	492,158.35	236.85	596,381.97	948,235.99	793,411.47	348,442.74	668,571.68	242,861.06	339,930.44	59,443.75	445,081.60	271,288.72	738,635.48	478,277.42	437,366.22

BFY																	
DEPT_CD																	
1	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
Sum of ACTU_EXP_AM																	
5020						5020 Total	5030										
IDC Category	6714	6721	6722	6723	6731		8004	8248	8417	8609	8610	8611	8612	8613	8614	8615	
1-Sal	128,014.80	329,493.17	117,923.22	134,208.91	937,646.82	5,189,634.62	183,227.66	147,525.00	455,354.15	196,200.20	209,573.37	293,904.30	243,755.16	129,398.76	127,810.15	194,230.21	
2-Vac	14,495.72	51,512.54	11,504.27	20,300.03	133,131.07	645,343.70	23,927.66	17,611.50	64,261.82	23,235.16	30,925.99	26,078.05	40,257.41	19,976.69	14,501.90	16,528.01	
3-Fringe	96,671.10	200,968.97	81,135.28	86,712.29	585,944.70	3,251,828.74	106,945.54	94,215.57	270,171.51	124,999.95	153,117.97	163,336.58	152,673.41	92,639.93	96,615.87	128,271.60	
Alloc	-182,793.34	3,299.39	130,663.78	14,518.14	852,689.04	2,466,478.97	689,605.24	990,077.09	6,085.06	3,309.89	209,987.67	4,088.26	166.17	520.24	-190,293.45	2,169.81	
Unallowable	125.16	0.00	8.44	514.64	203.96	24,162.24	0.00	59,732.02		30.22	580.50	50.39			159.82		
Grand Total	56,513.44	585,274.07	341,234.99	256,254.01	2,509,615.59	11,577,448.27	1,003,706.10	1,309,161.18	795,872.54	347,775.42	604,185.50	487,457.58	436,852.15	242,535.62	48,794.29	341,199.63	

BFY										6004	6242	6244	6245
DEPT_CD										2	3	4	5
1	34	35	36	37	38	39	40	41					
Sum of ACTU_EXP_AM	5030												
IDC Category	8621	8622	8623	8631	8642	8644	8645	8721	8722	8723	8740	5030 Total	Grand Total
1-Sal	329,918.54	123,409.88	137,429.04	937,482.77	162,147.15	0.00	362,763.92	19,894.70	306,873.50	145,037.09	398,385.82	5,104,321.17	10,293,955.79
2-Vac	51,301.98	11,771.73	20,304.65	122,223.06	19,170.11	0.00	44,479.54	2,872.13	25,406.06	17,366.05	42,182.06	634,381.56	1,279,725.26
3-Fringe	200,898.23	82,323.52	88,169.68	583,668.87	115,236.77	0.00	227,923.13	15,017.37	173,126.10	96,101.13	232,077.40	3,197,530.13	6,449,358.87
Alloc	3,203.18	79,108.95	12,589.08	856,221.44	1,679.64	0.00	1,517.24	3,735.75	-41,999.97	3,739.15	55,031.62	2,690,522.06	5,157,001.03
Unallowable	0.00	11,773.57	514.64	30.00	0.00	0.00	0.00		372.88	393.48	782.88	74,420.40	98,582.64
Grand Total	585,321.93	308,387.45	258,987.09	2,499,626.14	298,233.67	0.00	636,683.83	41,519.95	463,778.57	262,636.90	728,459.78	11,701,175.32	23,278,623.59

BFY	2016																
DEPT_CD	2200																
Sum of ACTU_EXP_AM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FUND_CD	5020																
UNIT_CD	6004	6242	6244	6245	6248	6417	6609	6610	6613	6615	6621	6622	6623	6640	6711	6712	
OCAT_CD	152	657,587.08	10,937.95	0.00	165.00	659,329.51	1,887.50	1,809.06	210,147.47	950.22	1,945.68	911.88	9,841.39	4,733.22	22,175.38	598.21	503.07
154	2,954.02	881.59	236.85	4,240.17	47,268.74	4,358.17	1,697.74	5,087.86			224.12	4,104.53	2,220.23	1,023.87	41,512.76	3,854.01	58.70
156													-31,833.98				
Grand Total	660,541.10	11,819.54	236.85	4,405.17	706,598.25	6,245.67	3,506.80	215,235.33	950.22	2,169.80	5,016.41	-19,772.36	5,757.09	63,688.14	4,452.22	561.77	

BFY																
DEPT_CD																
1	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Sum of ACTU_EXP_AM																
5020						5020 Total	5030									
OCAT_CD	6714	6721	6722	6723	6731		8004	8248	8417	8609	8610	8611	8612	8613	8614	8615
152	10,999.85	807.07	39,598.31	6,590.08	808,278.54	2,449,796.47	687,615.73	991,043.70	1,887.48	1,809.07	205,380.28	598.20	0.00	520.24	6,050.84	1,945.68
154	7,624.99	2,492.32	91,073.91	8,442.70	44,614.46	273,971.74	1,989.51	58,765.41	4,197.58	1,531.04	5,187.89	3,540.45	166.17		5,108.54	224.13
156	-201,293.02					-233,127.00										
Grand Total	-182,668.18	3,299.39	130,672.22	15,032.78	852,893.00	2,490,641.21	689,605.24	1,049,809.11	6,085.06	3,340.11	210,568.17	4,138.65	166.17	520.24	-190,133.63	2,169.81

BFY										6004	6242	6244	6245	6248	6417	6609
DEPT_CD										2	3	4	5	6	7	8
1	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
Sum of ACTU_EXP_AM																
5030												5030 Total	Grand Total			
OCAT_CD	8621	8622	8623	8631	8642	8644	8645	8721	8722	8723	8740					
152	807.08	28,998.96	5,406.27	812,110.88	1,424.70	0.00	0.00	90.14	9,841.41	3,584.21	16,037.82	2,775,152.69	5,224,949.16			
154	2,396.10	61,883.56	7,677.45	44,140.56	254.94	0.00	1,517.24	3,645.61	1,877.76	548.42	39,776.68	244,429.04	518,400.78			
156									-53,346.26			-254,639.27	-487,766.27			
Grand Total	3,203.18	90,882.52	13,083.72	856,251.44	1,679.64	0.00	1,517.24	3,735.75	-41,627.09	4,132.63	55,814.50	2,764,942.46	5,255,583.67			

BFY	2018												
DEPT_CD	2200												
IDC Category	Unallowable												
Sum of ACTU_EXP_AM	1	2	3	4	5	6	7	8	9	10	11	12	
FUND_CD	UNIT_CD	OBJ_CD											
5020	5280	6174	6843	7482	Grand Total								
	6004	0 00			4 00	4 00							
	6242				115 44	115 44							
	6244				0 00	0 00							
	6245				27 71	27 71							
	6248		21,180.73	50 00	0 00	21,230.73							
	6609				30.21	30.21							
	6610				580.52	580.52							
	6622				372.90	372.90							
	6623				393.48	393.48							
	6640			253.07	196.11	449.18							
	6711				105.87	105.87							
	6714				125.16	125.16							
	6721				0 00	0 00							
	6722			0 00	8.44	8.44							
	6723			514.64		514.64							
	6731				203.96	203.96							
5020 Total		0 00	21,180.73	817.71	2,163.80	24,162.24							
5030	8004	0 00			0 00	0 00							
	8248		59,640.29	50 00	41.73	59,732.02							
	8609				30.22	80.22							
	8610				580.50	580.50							
	8611				50.39	50.39							
	8614				159.82	159.82							
	8621				0 00	0 00							
	8622		11,698.11	0 00	75.46	11,773.57							
	8623			514.64		514.64							
	8631				30.00	30.00							
	8642				0 00	0 00							
	8644				0 00	0 00							
	8645				0 00	0 00							
	8722				372.88	372.88							
	8723				393.48	393.48							
	8740			253.06	529.82	782.88							
5030 Total		0 00	71,338.40	817.70	2,264.30	74,420.40							
Grand Total		0 00	92,519.13	1,635.41	4,428.10	98,582.64							

BFY													
DEPT_CD													
IDC Category					g	h	i	j	k	l	m	n	
1	157	158	162	163	164	165	166	167	168	169	170	171	172
Sum of ACTU_EXP_AM													
OBJ_CD	5030 Total	Grand Total	Admin Total	Allocate (1)	6004	6242	6244	6245	6248	6417	6609	6610	6613
5260	8,452.50	16,905.00	16,905.00	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5610	221,033.23	456,551.46	442,066.46	Yes	0.00	0.00	0.00	0.00	221,033.23	0.00	0.00	0.00	0.00
5630	14,304.21	29,757.43	29,757.43	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5675	620,116.11	1,240,475.79	1,240,232.19	Yes	620,116.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5725	7,680.00	15,360.00	15,360.00	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5760	34,486.59	68,973.21	68,973.21	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6123	12,797.08	26,763.07	25,594.15	Yes	0.00	0.00	0.00	0.00	12,797.07	0.00	0.00	0.00	0.00
6190	0.00	503.07	503.07	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6227	191.80	383.60	383.60	Yes	0.00	0.00	0.00	0.00	191.80	0.00	0.00	0.00	0.00
6228		1,157.75	1,157.75	Yes	0.00	0.00	0.00	0.00	1,157.75	0.00	0.00	0.00	0.00
6245	40,537.05	72,621.90	64,169.46	Yes	0.00	0.00	0.00	0.00	31,642.73	0.00	0.00	0.00	0.00
6247	2,377.32	4,754.73	4,754.73	Yes	0.00	0.00	0.00	0.00	2,377.41	0.00	0.00	0.00	0.00
6248	24,371.87	48,743.90	48,743.90	Yes	0.00	0.00	0.00	0.00	24,372.03	0.00	0.00	0.00	0.00
6365	-49,350.03	-129,211.62	0.00	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6387	86,309.34	134,004.84	121,609.17	Yes	26,826.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6398	606.61	1,611.03	1,250.84	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6404	104,947.27	263,498.03	209,894.46	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6405	22,841.93	45,683.84	45,683.84	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6407	218,307.98	392,735.27	305,922.31	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6520	10,484.11	20,968.20	20,519.00	Yes	0.00	0.00	0.00	0.00	0.00	0.00	314.50	0.00	0.00
6531	96,088.74	176,740.48	176,740.48	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80,651.74	0.00
6532	49,511.62	103,121.68	103,121.68	Yes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53,200.96	0.00
6632	60,007.31	133,651.26	126,779.26	Yes	0.00	0.00	0.00	0.00	0.00	0.00	247.50	69,445.00	470.00
7129	49,981.19	105,199.58	100,859.49	Yes	0.00	0.00	0.00	0.00	644.36	0.00	0.00	0.00	0.00
7486	26,022.91	53,072.61	39,852.47	Yes	0.00	0.00	0.00	0.00	0.00	0.00	120.07	33.98	0.00

BFY													
DEPT_CD													
IDC Category													
1	173	174	175	176	177	178	179	180	181	182	183	184	185
Sum of ACTU_EXP_AM													
OBJ_CD	6615	6621	6622	6623	6640	6711	6712	6714	6721	6722	6723	6731	8004
5260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,452.50	0.00
5610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5630	0.00	0.00	0.00	4,733.22	7,995.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	620,116.11
5725	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.00	0.00
5760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	283.50	34,203.12	0.00
6123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6190	0.00	0.00	0.00	0.00	0.00	0.00	503.07	0.00	0.00	0.00	0.00	0.00	0.00
6227	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6247	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,886.84	37,523.37
6398	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,004.42	0.00	0.00	0.00
6404	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104,947.19	0.00
6405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,841.91	0.00
6407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152,961.09	0.00
6520	0.00	0.00	9,754.99	0.00	0.00	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6532	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6632	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	942.13	0.00
7129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38,557.51	929.52	0.00	0.00
7486	0.00	0.00	0.00	0.00	18,755.67	0.00	0.00	0.00	0.00	0.00	0.00	999.45	0.00

BFY													
DEPT_CD													
IDC Category													
1	186	187	188	189	190	190	191	192	193	194	195	196	197
Sum of ACTU_EXP_AM													
OBJ_CD	8248	8417	8609	8610	8611	8612	8613	8614	8615	8621	8622	8623	8631
5260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,452.50
5610	221,033.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5630	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5725	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.00
5760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	283.50	34,203.09
6123	12,797.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6227	191.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6245	31,642.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6247	2,377.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6248	24,371.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,788.55
6398	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	246.42	0.00	0.00
6404	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104,947.27
6405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,841.93
6407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152,930.87
6520	0.00	0.00	314.50	0.00	190.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6531	0.00	0.00	0.00	96,088.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6532	0.00	0.00	0.00	49,102.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6632	0.00	0.00	247.50	54,445.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00	942.13
7129	553.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,816.75	468.95	0.00
7486	0.00	0.00	120.07	33.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,033.62

BFY								
DEPT_CD								
IDC Category								
1	198	199	200	201	202	203	204	202
Sum of ACTU_EXP_AM								
OBJ_CD	8642	8644	8645	8721	8722	8723	8740	Total
5260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,905.00
5610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	442,066.46
5630	0.00	0.00	0.00	0.00	0.00	3,584.21	7,995.00	24,307.43
5675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,240,232.19
5725	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,280.00
5760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68,973.21
6123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25,594.15
6190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	503.07
6227	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383.60
6228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,157.75
6245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63,285.21
6247	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,754.73
6248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48,743.90
6365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96,025.33
6398	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,250.84
6404	0.00	0.00	0.00	0.00	0.00	0.00	0.00	209,894.46
6405	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45,683.84
6407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	305,881.96
6520	0.00	0.00	0.00	0.00	9,755.01	0.00	0.00	20,519.00
6531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176,740.48
6532	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102,303.48
6632	0.00	0.00	0.00	0.00	0.00	0.00	0.00	126,779.26
7129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73,970.49
7486	0.00	0.00	0.00	0.00	0.00	0.00	18,755.63	39,852.47

BFY	2016
DEPT_CD	2200
OCAT_CD	150

Sum of ACTU_EXP_AM	FUND_CD		
OBJ_CD	5030	5020	Grand Total
5001	26,065,075.59	26,857,535.66	52,922,611.25
5002	0.00		0.00
5004	67,237.72	77,412.30	144,650.02
5005	1,882,533.86	1,820,639.11	3,703,172.97
5006	377,478.51	374,484.59	751,963.10
5010	-2,105.89	6,006.50	3,900.61
5018	97,046.36	69,389.97	166,436.33
5020	1,919,891.97	2,034,729.10	3,954,621.07
5021	1,286,842.89	1,300,167.78	2,587,010.67
5022	58,910.98	125,403.02	184,314.00
5023	1,124,415.51	1,176,871.43	2,301,286.94
5024	97,790.92	110,804.52	208,595.44
5026	362,794.18	378,227.59	741,021.77
5028	120,997.12	128,791.59	249,788.71
5030	259,120.98	218,024.22	477,145.20
5031	7,598.32	6,007.63	13,605.95
5032	237,556.49	238,281.82	475,838.31
5033	9,494.79	8,191.69	17,686.48
5034	11,719.09	10,723.28	22,442.37
5035	392,530.20	380,421.12	772,951.32
5036	48,274.43	42,185.10	90,459.53
5037	347,657.32	526,292.60	873,949.92
5039	548.09	889.74	1,437.83
5040	7,792.45	12,366.70	20,159.15
5051	0.00	0.00	0.00
Grand Total	34,781,201.88	35,903,847.06	70,685,048.94

BFY	2016
DEPT_CD	2200
OCAT_CD	150

Sum of ACTU_EXP_AM	FUND_CD	UNIT_CD							
	5020								
OBJ_CD	6004	6242	6244	6245	6248	6417	6609	6610	6613
5001	148,848.70	274,353.30	0.00	325,947.65	123,605.82	455,705.86	196,380.49	245,425.94	129,314.88
5005		365.81	0.00	2,129.95	8,520.63		8.23	677.05	
5006	34,118.00			714.82					
5010									
5018									
5020	13,588.88	14,302.06	0.00	27,975.54	11,755.54	39,584.45	14,868.30	32,768.74	11,289.93
5021	8,337.92	10,181.06	0.00	20,653.96	6,444.21	23,922.72	9,882.52	14,107.17	6,373.12
5022					0.00				
5023	7,126.06	12,114.59	0.00	14,719.15	6,203.95	22,080.97	8,447.43	7,459.69	8,686.40
5024						0.00		538.24	
5026	750.00	3,781.85	0.00	4,597.59	2,608.11	6,500.00	2,250.00	3,250.00	2,750.00
5028		675.03					547.86	8,390.40	0.00
5030									
5032	1,655.92	2,150.30	0.00	3,558.48	1,341.11	4,952.40	1,851.28	2,031.63	1,317.44
5033	0.00	121.60		319.04	0.00	267.44		183.54	0.00
5034	0.00	102.69	0.00	231.24	35.04	83.57	32.91	180.03	0.00
5035	7,806.32	2,345.32	0.00	6,721.29	813.00	6,256.95	3,097.15	1,676.25	1,878.84
5036	654.72			262.80	0.00	336.80	263.28	0.00	
5037									
5040					0.00				
5051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total	222,886.52	320,493.61	0.00	407,831.51	161,327.41	559,691.16	237,629.45	316,688.68	161,610.61

BFY
DEPT_CD
OCAT_CD

Sum of ACTU_EXP_AM									
OBJ_CD	5020								
	6615	6621	6622	6623	6640	6711	6712	6714	6721
5001	194,039.21	19,369.24	253,123.13	145,963.92	376,837.62	285,740.51	243,759.46	118,969.35	329,433.29
5005	217.01	525.56	5,084.98	4,011.51	17,983.66		0.00	350.33	59.88
5006	0.00	15,460.17	30,972.84		5,238.13				
5010			-2,171.74						
5018									
5020	11,131.05	2,021.34	9,415.88	10,989.44	28,585.35	17,335.04	25,276.70	10,125.59	34,731.37
5021	9,541.12	997.42	10,709.63	7,228.14	18,597.76	14,341.28	12,834.96	6,070.90	17,504.88
5022		0.00	0.00	0.00				974.16	
5023	5,407.67	850.79	5,462.12	6,997.77	13,596.60	9,289.17	15,069.47	4,370.13	16,781.17
5024									0.00
5026	2,237.13	750.00	1,250.00	1,931.72	4,837.37	3,250.00	3,500.00	3,217.18	4,250.00
5028			2,209.04		0.00	-1,236.08	281.25		
5030								6,144.00	
5032	1,731.73	182.72	2,209.31	1,600.98	3,052.46	2,632.13	2,194.00	921.72	3,195.30
5033	0.00	88.16	115.72	0.00	75.86	0.00			0.00
5034	221.90	26.95	247.60	185.53	127.73	0.00	0.00	116.59	19.96
5035	3,319.65	216.98	1,537.09	1,767.64	1,066.73	4,138.22	3,515.80	1,411.44	10,126.47
5036	0.00		357.60	0.00	518.28	312.16	1,061.76	0.00	642.36
5037					75.36			2,114.64	
5040								436.48	0.00
5051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total	227,846.47	40,489.33	320,523.20	180,676.65	470,592.91	335,802.43	307,493.40	155,222.51	416,744.68

BFY
DEPT_CD
OCAT_CD

Sum of ACTU_EXP_AM									
OBJ_CD	5020			5020 Total	5030				
	6722	6723	6731		8004	8248	8417	8609	
5001	104,828.96	125,634.89	922,138.77	5,019,420.99	148,877.94	133,953.30	455,354.15	196,191.97	
5005	13,094.26	8,405.84	4,262.20	65,696.90	231.72	13,571.70		8.23	
5006		660.00	10,893.70	98,057.66	34,118.00				
5010		-491.82		-2,663.56					
5018			352.15	352.15					
5020	6,167.50	14,587.70	83,481.85	419,982.25	15,351.08	11,523.55	39,584.53	15,087.72	
5021	4,756.85	6,417.34	45,600.77	254,503.73	7,862.88	6,444.21	23,445.84	9,769.20	
5022			98.87	1,073.03		0.00			
5023	5,336.77	5,712.33	49,649.22	225,361.45	8,576.58	6,087.95	24,677.29	8,147.44	
5024	0.00	0.00	10,107.20	10,645.44			0.00		
5026	1,250.00	3,500.00	10,500.00	66,960.95	750.00	2,608.11	6,500.00	2,250.00	
5028	491.39	0.00	9,191.70	20,550.59				547.86	
5030				6,144.00					
5032	965.84	1,410.76	7,711.59	46,667.10	906.80	877.09	4,952.40	1,851.28	
5033	0.00		848.62	2,019.98	0.00	0.00	267.44		
5034	0.00	74.34	0.00	1,686.08	0.00	35.04	83.58	32.91	
5035	907.48	1,220.29	27,317.56	87,140.47	10,462.85	813.00	6,455.69	3,080.35	
5036	0.00	440.46	2,503.80	7,354.02	654.72	0.00	336.80	263.28	
5037				2,190.00					
5040				436.48		0.00			
5051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grand Total	137,799.05	167,572.13	1,184,658.00	6,333,579.71	227,792.57	175,913.95	561,657.72	237,230.24	

BFY
DEPT_CD
OCAT_CD

Sum of ACTU_EXP_AM									
OBJ_CD	5030								
	8610	8611	8612	8613	8614	8615	8621	8622	8623
5001	209,034.07	293,904.30	243,755.16	129,398.76	119,377.88	194,012.48	329,858.66	104,829.05	128,681.61
5005	539.30		0.00		350.27	217.73	59.88	18,100.63	8,087.43
5006						0.00		480.00	660.00
5010									
5018									
5020	23,718.19	17,352.72	25,188.46	11,290.32	10,125.61	11,124.59	34,695.48	6,434.95	14,587.72
5021	11,310.37	14,341.28	12,834.96	6,373.12	6,070.90	9,541.12	17,504.88	4,756.85	6,983.90
5022					974.16				
5023	7,207.80	8,725.33	15,068.95	8,686.37	4,376.29	5,403.42	16,606.50	5,336.78	5,716.93
5024	538.24						0.00	0.00	0.00
5026	3,250.00	3,250.00	3,500.00	2,750.00	3,217.19	3,737.14	4,250.00	1,250.00	3,500.00
5028	8,390.40	-1,236.07	281.24	0.00				491.39	0.00
5030					6,144.00				
5032	1,761.25	2,632.13	2,194.00	1,317.45	921.72	1,865.51	3,195.34	965.84	1,410.76
5033	0.00	0.00		0.00		0.00	0.00	0.00	
5034	128.45	0.00	0.00	0.00	108.22	221.91	19.96	0.00	74.34
5035	2,040.95	4,128.52	3,515.77	1,878.85	1,411.42	2,834.57	10,022.12	907.48	1,220.28
5036		312.16	1,061.76		0.00	0.00	642.36	0.00	440.46
5037					1,501.53				
5040					436.47		0.00		
5051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total	267,919.02	343,410.37	307,400.30	161,694.87	155,015.66	228,958.47	416,855.18	143,552.97	171,363.43

BFY
DEPT_CD
OCAT_CD

Sum of ACTU_EXP_AM										5030 Total	Grand Total
OBJ_CD	5030	8631	8642	8644	8645	8721	8722	8723	8740		
5001		921,890.71	161,784.96	0.00	359,854.29	19,369.24	257,537.19	141,239.35	376,280.28	4,925,185.35	9,944,606.34
5005		4,262.11	362.19		2,194.81	525.46	3,952.21	3,573.74	17,952.31	73,989.72	139,686.62
5006		10,977.80			714.82	0.00	46,427.34	224.00	4,077.87	97,679.83	195,737.49
5010							-1,043.24			-1,043.24	-3,706.80
5018		352.15								352.15	704.30
5020		73,072.84	11,499.34	0.00	26,548.81	2,021.34	14,812.54	10,532.48	28,575.98	403,128.25	823,110.50
5021		46,127.09	6,953.76	0.00	19,161.00	997.42	14,204.11	7,228.14	18,334.31	250,245.34	504,749.07
5022		98.88				0.00	0.00	0.00		1,073.04	2,146.07
5023		49,150.22	7,670.77	0.00	17,930.73	850.79	10,593.52	6,833.57	13,606.08	231,253.31	456,614.76
5024		10,107.20								10,645.44	21,290.88
5026		10,500.00	3,061.84	0.00	4,537.59	750.00	1,250.00	1,931.72	4,837.38	67,680.97	134,641.92
5028		9,191.70	675.03				2,209.04		0.00	20,550.59	41,101.18
5030										6,144.00	12,288.00
5032		7,711.59	1,656.57	0.00	3,756.78	182.72	2,655.31	1,502.86	3,052.46	45,369.86	92,036.96
5033		848.62	121.60	0.00	319.04	88.16	115.72	0.00	75.86	1,836.44	3,856.42
5034		0.00	121.99	0.00	218.24	26.95	254.85	171.04	127.72	1,625.20	3,311.28
5035		27,152.85	3,224.09	0.00	6,711.52	216.98	1,945.66	1,839.52	1,066.70	90,929.17	178,069.64
5036		2,503.80			262.80		357.60	0.00	518.28	7,354.02	14,708.04
5037									75.36	1,576.89	3,766.89
5040										436.47	872.95
5051		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total		1,173,947.56	197,132.14	0.00	442,210.43	25,029.06	355,271.85	175,076.42	468,580.59	6,236,012.80	12,569,592.51

BFY	2016			
DEPT_CD	2200			
1	2	3	4	5
Sum of ACTU_EXP_AM	FUND_CD			
IDC Category	5020	5030	Grand Total	
1-Sal	30,354,155.79	29,508,190.44	59,862,346.23	
2-Vac	3,211,600.53	3,044,307.48	6,255,908.01	
3-Fringe	19,264,894.07	18,410,182.22	37,675,076.29	
Alloc	61,650,092.26	43,749,207.91	105,399,300.17	
Unallowable	156,038,520.84	141,685,417.06	297,723,937.90	
Grand Total	270,519,263.49	236,397,305.11	506,916,568.60	

Govalle fill events 2015-2018			
Date:	Reason	Pump down date	Comment
28-May-15	weather event	Jun/Jul 2015	
17-May-16	weather event	16-Jun	
18-Jan-17	Rain event	Jan 2017	
19-Jan-17			
20-Jan-17			
7-Dec-17	Govalle flow diversion project, line maintenance	Feb 2017	Pumped out by contractor
8-Dec-17			
9-Dec-17			
26-Mar-18	48" line maintenance	Apr 2018	
4-Feb-19	SAR transfer unscheduled maintenance	Jan-Feb 2019	
8-May-19	weather event	May 2019	

Govalle fill events 2015-2016			
Date:	Percent fill	Reason	Pump down date
28-May-15	100%	weather event	Jun-Jul 2015
30-Oct-15	100%	weather event	Nov 15 - Jan 16
16-Mar-16	50%	weather event	16-Jun
17-May-16	50%	weather event	16-Jun

Comment

AW Districts 10-36, Attachment 1

BFY	FUND	DEPT	UNIT	Program	OBJT	SumOfEXPENSE
2018	5030	2200	8012 Operations		9051	7,070.00
2018	5030	2200	8012 Operations		9051	-
2018	5030	2200	8012 Operations		9051	(16,217.00)
2018	5030	2200	8012 Operations		9051	(7,070.00)
2018	5030	2200	8012 Operations		9074	30,544.00
2018	5030	2200	8061 Operations		9040	15,750.95
2018	5030	2200	8012 Operations		9051	9,204.56
2018	5030	2200	8053 Operations		9051	5,000.00
2018	5020	2200	6021 Operations		9051	-
2018	5030	2200	8011 Operations		9051	112,000.00
2018	5030	2200	8012 Operations		9051	-
2018	5030	2200	8012 Operations		9051	7,736.92
2018	5030	2200	8012 Operations		9051	16,217.00
2018	5030	2200	8031 Operations		9051	-
2018	5030	2200	8032 Operations		9051	49,227.00
2018	5030	2200	8052 Operations		9051	3,710.00
2018	5030	2200	8053 Operations		9051	(185.56)
Environmental Affairs &						
2018	5020	2200	6606 Conservation		9051	12,235.00
2018	5030	2200	8012 Operations		9051	7,070.00
2018	5030	2200	8012 Operations		9051	(7,070.00)
2018	5030	2200	8053 Operations		9051	185.56
2018	5020	2200	6031 Operations		9051	-
2018	5020	2200	6031 Operations		9051	-
2018	5020	2200	6241 Operations		9051	31,913.48
2018	5030	2200	8012 Operations		9051	(20,825.06)
2018	5030	2200	8031 Operations		9051	-
2018	5030	2200	8032 Operations		9051	10,248.00
2018	5030	2200	8043 Operations		9051	8,915.00
2018	5030	2200	8061 Operations		9040	-
2018	5020	2200	6031 Operations		9051	-

AW Districts 10-36, Attachment 1

2018	5030	2200	8012 Operations	9051	19,798.00
2018	5030	2200	8012 Operations	9051	-
2018	5030	2200	8031 Operations	9045	21,570.00
2018	5030	2200	8052 Operations	9051	10,214.64
2018	5020	2200	6031 Operations	9051	-
2018	5020	2200	6241 Operations	9051	(5,579.51)
2018	5030	2200	8031 Operations	9051	22,450.00
2018	5030	2200	8043 Operations	9051	450.00
2018	5030	2200	8061 Operations	9040	(11,976.75)
2018	5020	2200	6021 Operations	9051	-
2018	5030	2200	8052 Operations	9051	22,047.62
2018	5030	2200	8442 Operations	9051	18,775.00
2018	5020	2200	6021 Operations	9051	-
2018	5030	2200	8012 Operations	9051	20,825.06
2018	5030	2200	8012 Operations	9051	-
2018	5030	2200	8061 Operations	9040	9,094.49
2018	5030	2200	8442 Operations	9051	57,394.00

SumOfENCUMBRANCE	Total	ACTG_LN_DSCR_UP
		CRANE REPAIR FOR PREL BLDG A LOWER LEVEL
-	7,070.00	AT SAR
40,614.00	40,614.00	POLYETHYLENE TANK
-	(16,217.00)	RECLASS CONVEYOR BELT REPLACEMENT AND
-		INSTALLATION, PRM 2200-18051020182
-	(7,070.00)	RECLASS CRANE MAINTENANCE AND REPAIR
-		MARINE, PRM 2200-18062123605
-		HILL COUNTRY ELECTRI 500KVA SQUARE D
-		PADMOUNT TRANSFORMER BUILT TO
-	30,544.00	Q2C40640333-2 SPECIFICAT
-		LACHET INSTRUMENT UPGRADE SERIES 1 FOR
-	15,750.95	EAS LAB
-	9,204.56	DODGE CUSTOM QUANTIS GEARBOX
-	5,000.00	SUBMERSIBLE PUMP - ODESSA
1,800.00	1,800.00	DAVIS
-	112,000.00	
		CRANE REPAIR FOR PREL BLDG A UPPER LEVEL
7,070.00	7,070.00	AT SAR
-		RECLASS CHAIN HOIST W TROLLEY FROM W.W.
-	7,736.92	GRAINGER, DO 2200-17111402834
-	16,217.00	
-		- 2 POLYMER DYNABLEND MIXING UNITS
-	49,227.00	
-	3,710.00	FREIGHT
-		RECLASS WATER SERVICE, JVAI 7400-
-	(185.56)	PC000131884
-		RECLASS TURBINE BLOWER TO-BEHIND
-	12,235.00	EQUIPMENT, PRM 2200-18092732712
		CRANE REPAIR FOR PREL BLDG B LOWER LEVEL
-	7,070.00	AT SAR
-		RECLASS CRANE MAINTENANCE AND REPAIR
-	(7,070.00)	MARINE, PRM 2200-18062123607
		MANVILLE WATER WATER SERVICE -
-	185.56	FOR LIFT STATIONS - FOR TAYLOR LANE PLANT
2,962.00	2,962.00	
1,400.00	1,400.00	ULLRICH INSTALLATION COSTS
(0.00)	31,913.48	
		RECLASS DODGE QUANTIS REPLACEMENT
-	(20,825.06)	PARTS, PRM 2200-18020511333
45,900.00	45,900.00	POLYMER MIXING UNIT
-	10,248.00	
-	8,915.00	
		LATCHET INSTRUMENT UPGRADE SERIES 1 FOR
17,261.45	17,261.45	EAS LAB
7,850.00	7,850.00	ULLRICH PLANT

40,444.09	60,242.09	
-	-	INSPECTION FOR SAR CRANES
-	21,570.00	
-	10,214.64	FRP FUME EXHAUST SIZE 36 HP
1,800.00	1,800.00	ULLRICH
-		RECLASS FURNITURE & INSTALLATION, PRM
-	(5,579.51)	2200-18053121896
-	22,450.00	
-		RECLASS NIST CALIBRATION CERT. AND
-	450.00	FREIGHT COST, CT 2200-AW171208018
-	(11,976.75)	RECLASS LAB PART, PRM 2200-18052921574
1,400.00	1,400.00	INSTALLATION SERVICE DAVIS
-	22,047.62	FRP FUME EXHAUST SIZE 30 HP FOR TWO FANS
-	18,775.00	
10,690.00	10,690.00	
-	20,825.06	DODGE QUANTIS FOR SAR
40,888.00	40,888.00	REPLACEMENT CRANE PREML B UPPER LEVEL
-	9,094.49	LABORATORY SUPPLIES FOR EAS
-	57,394.00	HD DUC STR-ON CAMERA ASSEMBLY
	680,801.94	
Operations Program	668,566.94	668,566.94
Environmental	12,235.00	12,235.00
		680,801.94

LGL_NM

Royal Arc Welding Company
ENVIRONMENTAL IMPROVEMENTS INC

HACH CO
APPLIED INDUSTRIAL TECHNOLOGIES INC
ODESSA PUMPS & EQUIPMENT INC
DMSI Holdings LP
ENVIRONMENTAL IMPROVEMENTS INC

Royal Arc Welding Company

Miner, LTD.
NEPTUNE CHEMICAL PUMP COMPANY
SMITH PUMP CO INC
AIR MOVING EQUIPMENT INC

Royal Arc Welding Company

DMSI Holdings LP
DMSI Holdings LP
FURNITURE MARKETING GROUP INC

HARTWELL ENVIRONMENTAL CORP
FMW DISTRIBUTORS INC
AVO MULTI-AMP CORP

HACH CO
DMSI Holdings LP

PUMPS VALVES & EQUIPMENT INC

Royal Arc Welding Company

AMES HOLDING CORPORATION

AIR MOVING EQUIPMENT INC

DMSI Holdings LP

Box Gang Manufacturing

DMSI Holdings LP

AIR MOVING EQUIPMENT INC

KINLOCH EQUIPMENT & SUPPLY INC

DMSI Holdings LP

APPLIED INDUSTRIAL TECHNOLOGIES INC

Royal Arc Welding Company

VWR INTERNATIONAL LLC

CLS Sewer Equipment Co. Inc.

BFY	FUND	DEPT	UNIT	OBJT	Total	ACTG LN DSCR UP	LGL_NM
2018	5020	2200	6021	9051	1,800.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
2018	5020	2200	6021	9051	1,400.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED INSTALLATION SERVICE DAVIS	DMSI Holdings LP
2018	5020	2200	6021	9051	10,690.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
2018	5020	2200	6031	9051	2,962.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
2018	5020	2200	6031	9051	1,400.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED ULLRICH INSTALLATION COSTS	DMSI Holdings LP
2018	5020	2200	6031	9051	7,850.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
2018	5020	2200	6031	9051	1,800.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
2018	5020	2200	6241	9051	26,333.97	Furniture Installation and Reconfiguration Service	FURNITURE MARKETING GROUP INC
2018	5030	2200	8011	9051	112,000.00	Proportioning Pumps	ENVIRONMENTAL IMPROVEMENTS INC
2018	5030	2200	8012	9051	40,614.00	POLYETHYLENE TANK	ENVIRONMENTAL IMPROVEMENTS INC
2018	5030	2200	8012	9051	9,204.56	DODGE CUSTOM QUANTIS GEARBOX	APPLIED INDUSTRIAL TECHNOLOGIES INC
2018	5030	2200	8012	9051	7,070.00	CRANE REPAIR FOR PREL BLDG A UPPER LEVEL AT SAR	Royal Arc Welding Company
2018	5030	2200	8012	9051	7,736.92	RECLASS CHAIN HOIST W TROLLEY FROM W.W. GRAINGER, DO 2200-17111402834	
2018	5030	2200	8012	9051	60,242.09	ACTUATORS AND PARTS, VALVE, EIM ELECTRIC ACTUATOR	PUMPS VALVES & EQUIPMENT INC
2018	5030	2200	8012	9051	40,888.00	REPLACEMENT CRANE PREML B UPPER LEVEL	Royal Arc Welding Company
2018	5030	2200	8012	9074	30,544.00	500KVA SQUARE D PADMOUNT TRANSFORMER BUILT TO Q2C40640333-2 SPECIFICAT	HILL COUNTRY ELECTRI
2018	5030	2200	8031	9045	21,570.00	Microcomputers, Multi-Processor	AMES HOLDING CORPORATION
2018	5030	2200	8031	9051	45,900.00	POLYMER MIXING UNIT	HARTWELL ENVIRONMENTAL CORP
2018	5030	2200	8031	9051	22,450.00	DUMPSTERS, PARTS AND ACCESSORIES	Box Gang Manufacturing
2018	5030	2200	8032	9051	49,227.00	Sewage and Sludge Pumps, Surface Mounted	SMITH PUMP CO INC
2018	5030	2200	8032	9051	10,248.00	hydraulic power pack, power unit 8gpm, hose assembly bonded 50' with couplers, trash pump 800 gpm, 4 discharge	FMW DISTRIBUTORS INC
2018	5030	2200	8043	9051	8,915.00	TESTERS, ELECTRICAL EQUIPMENT, HIGH ANSI RATED	AVO MULTI-AMP CORP
2018	5030	2200	8043	9051	450.00	RECLASS NIST CALIBRATION CERT. AND FREIGHT COST, CT 2200-AW171208018	
2018	5030	2200	8052	9051	3,710.00	FREIGHT	AIR MOVING EQUIPMENT INC
2018	5030	2200	8052	9051	10,214.64	FRP FUME EXHAUST SIZE 36 HP	AIR MOVING EQUIPMENT INC
2018	5030	2200	8052	9051	22,047.62	FRP FUME EXHAUST SIZE 30 HP FOR TWO FANS	AIR MOVING EQUIPMENT INC
2018	5030	2200	8053	9051	5,000.00	SUBMERSIBLE PUMP - ODESSA	ODESSA PUMPS & EQUIPMENT INC
2018	5030	2200	8061	9040	3,774.20	LACHET INSTRUMENT UPGRADE SERIES 1 FOR EAS LAB	HACH CO
2018	5030	2200	8061	9040	17,261.45	LATCHET INSTRUMENT UPGRADE SERIES 1 FOR EAS LAB	HACH CO
2018	5030	2200	8061	9040	9,094.49	LABORATORY SUPPLIES FOR EAS	VWR INTERNATIONAL LLC
2018	5030	2200	8442	9051	18,775.00	IBK Camera for CSS	KINLOCH EQUIPMENT & SUPPLY INC
2018	5030	2200	8442	9051	57,394.00	HD DUC STR-ON CAMERA ASSEMBLY	CLS Sewer Equipment Co. Inc.

668,566.94

FUND	GL Account	Division	Total	Description	Vendor
5020	6021	Water Treatment	1,800.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
5020	6021	Water Treatment	1,400.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED INSTALLATION SERVICE DAVIS	DMSI Holdings LP
5020	6021	Water Treatment	10,690.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
5020	6031	Water Treatment	2,962.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
5020	6031	Water Treatment	1,400.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED ULLRICH INSTALLATION COSTS	DMSI Holdings LP
5020	6031	Water Treatment	7,850.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP

FUND	GL Account	Division	Total	Description	Vendor
5020	6031	Water Treatment	1,800.00	FLOW CONTROLLERS AND RECORDERS (FOR LIQUIDS) MONITOR AMI TURBIWELL W/LED	DMSI Holdings LP
5020	6241	Water Meter Operations	26,333.97	Furniture Installation and Reconfiguration Service	FURNITURE MARKETING GROUP INC
5030	8011	Wastewater Treatment	112,000.00	Proportioning Pumps	ENVIRONMENTAL IMPROVEMENTS INC
5030	8012	Wastewater Treatment	40,614.00	POLYETHYLENE TANK	ENVIRONMENTAL IMPROVEMENTS INC
5030	8012	Wastewater Treatment	9,204.56	DODGE CUSTOM QUANTIS GEARBOX	APPLIED INDUSTRIAL TECHNOLOGIES INC

5030	8012	Wastewater Treatment	7,070.00	CRANE REPAIR FOR PREL BLDG A UPPER LEVEL AT SAR	Royal Arc Welding Company
5030	8012	Wastewater Treatment	7,736.92	RECLASS CHAIN HOIST W TROLLEY FROM W.W. GRAINGER, DO 2200-17111402834	
5030	8012	Wastewater Treatment	60,242.09	ACTUATORS AND PARTS, VALVE, EIM ELECTRIC ACTUATOR	PUMPS VALVES & EQUIPMENT INC
5030	8012	Wastewater Treatment	40,888.00	REPLACEMENT CRANE PREML B UPPER LEVEL	Royal Arc Welding Company
5030	8012	Wastewater Treatment	30,544.00	500KVA SQUARE D PADMOUNT TRANSFORMER BUILT TO Q2C40640333-2 SPECIFICAT	HILL COUNTRY ELECTRI
5030	8031	Wastewater Treatment	21,570.00	Microcomputers, Multi-Processor	AMES HOLDING CORPORATION
5030	8031	Wastewater Treatment	45,900.00	POLYMER MIXING UNIT	HARTWELL ENVIRONMENTAL CORP
5030	8031	Wastewater Treatment	22,450.00	DUMPSTERS, PARTS AND ACCESSORIES	Box Gang Manufacturing
5030	8032	Wastewater Treatment	49,227.00	Sewage and Sludge Pumps, Surface Mounted	SMITH PUMP CO INC

FUND	GL Account	Division	Total	Description	Vendor
5030	8032	Wastewater Treatment	10,248.00	hydraulic power pack, power unit 8gpm, hose assembly bonded 50' with couplers, trash pump 800 gpm, 4 discharge	FMW DISTRIBUTORS INC
5030	8043	AWU Electrical Services	8,915.00	TESTERS, ELECTRICAL EQUIPMENT, HIGH ANSI RATED	AVO MULTI-AMP CORP
5030	8043	AWU Electrical Services	450.00	RECLASS NIST CALIBRATION CERT. AND FREIGHT COST, CT 2200-AW171208018	
5030	8052	Wastewater Treatment	3,710.00	FREIGHT	AIR MOVING EQUIPMENT INC

5030	8052	Wastewater Treatment	10,214.64	FRP FUME EXHAUST SIZE 36 HP	AIR MOVING EQUIPMENT INC
5030	8052	Wastewater Treatment	22,047.62	FRP FUME EXHAUST SIZE 30 HP FOR TWO FANS	AIR MOVING EQUIPMENT INC
5030	8053	Lift Stations and Remote Facilities	5,000.00	SUBMERSIBLE PUMP - ODESSA	ODESSA PUMPS & EQUIPMENT INC
5030	8061	Laboratory Services	3,774.20	LACHET INSTRUMENT UPGRADE SERIES 1 FOR EAS LAB	HACH CO
5030	8061	Laboratory Services	17,261.45	LATCHET INSTRUMENT UPGRADE SERIES 1 FOR EAS LAB	HACH CO
5030	8061	Laboratory Services	9,094.49	LABORATORY SUPPLIES FOR EAS	VWR INTERNATIONAL LLC
5030	8442	Collection System Services	18,775.00	IBK Camera for CSS	KINLOCH EQUIPMENT & SUPPLY INC
5030	8442	Collection System Services	57,394.00	HD DUC STR-ON CAMERA ASSEMBLY	CLS Sewer Equipment Co. Inc.
Total			668,566.94		