



**Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Wednesday, May 17, 2017 at 1:00 PM
Commission Meeting Room**

COMPLIANCE & LEGISLATIVE COMMITTEE AGENDA

Committee Members: **Commissioner Mike Browning, Chairman**
 Commissioner Don Elliott
 Commissioner Cornell Harvey
 Executive Director Jimmy Junkin
 Legal Counsel Charles Dorminy

PUBLIC COMMENT PERIOD

Public Comments will be limited to 3 minutes per speaker. Comments are to be limited to relevant information regarding your position and should avoid being repetitious. Individuals should sign in stating your name, address and the subject matter on which you wish to speak. Your cooperation in this process will be greatly appreciated.

APPROVAL:

- 1. Minutes from April 19, 2017 Combined Meeting - Compliance & Legislative Committee and Finance Committee**

DISCUSSION:

- 1. Pre-Treatment Compliance Report Update – A. Walker**
- 2. Legislative Considerations for SPLOST – J. Junkin**
- 3. Rate Resolution – Draft of Verbiage Changes – J. Donaghy**

EXECUTIVE DIRECTOR'S UPDATE

MEETING ADJOURNED

*All citizens are invited to attend.
There is a possibility of a quorum of Commissioners being present.*



**Brunswick-Glynn County
Joint Water and Sewer Commission
1703 Gloucester Street
Commission Meeting Room
Wednesday, May 17, 2017 at 1:00 PM**

COMPLIANCE & LEGISLATIVE COMMITTEE MINUTES

Present: **Mike Browning, Committee Chairman
Don Elliott, Commission Chairman
Jimmy Junkin, Executive Director
Charles Dorminy, Legal Counsel**

Also Present: **Tom Boland, Deputy Director
John Donaghy, Chief Financial Officer
Angela Walker, Pre-Treatment Compliance Coordinator**

Absent: **Cornell Harvey, Commissioner**

Chairman Browning called the meeting to order 1:00 PM

PUBLIC COMMENT PERIOD

There being no citizens who wished to address the Committee, Chairman Browning closed the Public Comment Period.

APPROVE:

1. Minutes from April 19, 2017 Compliance & Legislative Committee and Finance Committee - Combined Meeting

Commissioner Elliott made a motion seconded by Commissioner Browning to approve the minutes of the April 19, 2017 Compliance & Legislative Committee and Finance Committee Combined Meeting Minutes. Motion approved 2-0-1 (Commissioner Harvey was absent).

DISCUSSION:

1. Pre-Treatment Compliance Report Update – A. Walker

Angela Walker presented the updated list of Pretreatment Compliance to the Committee. Other than the general information for update, she noted that item #5 indicated problems with grease in the lift stations, caused by certain restaurants lacking in the cleaning of their grease traps. Angela has been addressing those issues by visiting the restaurants and establishments which “dump” into these lift stations, requesting the grease traps to be cleaned out and pumped, revisiting where necessary, and providing notice to the Georgia Environmental Health Department. The pump out schedule for one specific restaurant has been changed from every 3 months to every month. After investigation of the establishments that pump into the lift station shared by this restaurant, JWSC was able to identify the specific location that was causing grease to move straight into the lift station. This location was been checked and required multiple visits by JWSC and Environmental Health. This occurrence of over-filled grease traps and grease moving straight into a lift station can cause a blockage and problems within the lift station. Even though JWSC is obligated to stay within compliance requirements as set forth by the EPD, it unfortunately often requires repeated visits by JWSC to non-complying establishments in an attempt to enforce compliance. Angela also noted item #9 on the update report, regarding industrial pretreatment permits and the status of the five that are in progress, one of which has had revisions. The original goal was for this group of permits to be approved by July 1, 2017 so they would all have concurring renewal dates. On a final note, Angela mentioned that she is working on a yearly pre-treatment report that is due to the EPD by June 1, 2017, and she would be meeting with Mr. Junkin to review the report prior to sending the final copy in.

2. Legislative Considerations for SPLOST – J. Junkin

Mr. Junkin advised that in the last few months the financial position of the utility has been closely looked at. It is known that funding is short for many of the R&R, Capital Projects and day to day operations which need to be done. He noted that JWSC’s borrowing capacity will be used up based on the rate of funding that is needed for JWSC to do everything that is necessary to be done to the system. Mr. Junkin indicated that he is concerned about rates, for example tap fees going up and the fact that this still does not cover the funding requirements that will be incurred. He indicated that within the next couple of years, it may be necessary to make a case for support to our state representative for laying groundwork for the long term, and formulating plans to work with local elected officials and state representatives. The current SPLOST should not be the only source JWSC looks toward for additional funding. Mr. Junkin noted that JWSC may need some type of dedicated assistance in order to meet our long term needs. The Committee agreed that considerations should be made to find some solutions and avenues for sources of funding to help with the R&R Projects that must be done to maintain the system. Mr. Junkin expressed that additional sources must be searched for and he is willing to do what is necessary to solve these issues and meet with whomever necessary.

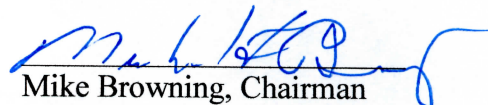
3. Rate Resolution – Draft of Verbiage Changes – J. Donaghy

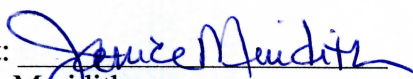
John presented the draft of the Rate Resolution for 2017-2018 and explained the sections, along with verbiage changes that are being made. Currently the draft is still a work in progress. The final draft will be presented to the Commission at the last meeting in June. Specific attention was given for explanation of line items in the section concerning “Meter Replacement Costs.” John noted that replacement of damaged meters is addressed in the Ordinance, and was added to the Rate Resolution as well. He also mentioned that there are new sections in the fees portion of the Rate Resolution (e.g., on-site sanitary sewer systems fees required in the case JWSC is asked to do maintenance of private sewer systems which is granted on a case by case basis).

Executive Director's Update

There was no additional update at this time.

There being no other business to bring before the Committee, the Chairman adjourned the meeting at 1:57 pm.


Mike Browning, Chairman

Attest: 
Janice Meredith,
Executive Commission Administrator

April 19- May16, 2017
Legislative & Compliance Committee Update
Angela G Walker
Pretreatment Compliance

1. Approximately 50 sets of construction plans have been reviewed for requirements and approval.
2. There have been approximately 25 Certificates of Occupancy signed after businesses inspected.
3. 82 FOG Manifests have been received from businesses and haulers to verify compliance.
4. All manifests received have been added to the X2C Database.
5. We are having some problems with grease in the lift stations- created by certain restaurants due to lack of cleaning of traps. I am addressing those through notices and help of GA Environmental Health.
6. Sit in on multiple meetings concerning construction plans, staff meetings.
7. Answered numerous phone calls from customers, contractors, and other government agencies (GA Environmental Health, City of Brunswick-Glynn County Code Enforcement Departments, GA Agriculture Department).
8. Visited several locations to approve location and placement of grease interceptors.
9. The public review for four of the pretreatment permits have been completed. One is being reviewed. One of the completed reviewed permits is being questioned by the industry for revisions.
10. Working on revisions to Water Use Ordinances.
11. Completing annual pretreatment report due to GA EPD by May 31, 2017.

WATER AND WASTEWATER RATES AND CHARGES

July 1, 2017 to June 30, 2018

WHEREAS, the Brunswick-Glynn County Joint Water and Sewer Commission, acting by and through its Commissioners, is established as a water and wastewater Utility to provide for the production and distribution of potable water and to provide for sewage collection, treatment and disposal in the community; and

WHEREAS, the Commission of the City of Brunswick and the Glynn County Board of Commissioners has adopted a Water and Sewer Ordinance, Chapter 22 of the Municipal Code and Chapter 2-16 of the Code of Ordinances, respectively, which provides for the establishment and revision of charges for water and sewer services to be accomplished by resolution of the Brunswick-Glynn County Joint Water and Sewer Commission (hereinafter referred to as the "Utility").

NOW THEREFORE, BE IT HEREBY RESOLVED that the scheduled rates for water and sewer service as set forth in Chapter 22 of the Municipal Code and Chapter 2-16 of the Glynn County Code of Ordinances shall be as follows:

Monthly Billing Rates and Charges

2016-17 Rates

Water Rates

	Brunswick	Glynn		
Administration Fee (per bill)	\$ 7.57	\$ 7.57	6.06	6.06
Debt Service (per REU)	\$ 2.31	\$ 1.62	2.31	1.64

Volume Charges (per Kgal.)

Potable Water:

First 3,000 gal.	\$ 1.54	1.36
3,001 to 6,000 gal.	2.07	1.82
6,001 to 12,000 gal.	2.58	2.27
12,001 to 20,000 gal.	3.20	2.82
20,001 and over	4.84	4.26

Irrigation:

First 6,000 gal.	2.58	2.27
6,001 to 14,000 gal.	3.20	2.82
14,001 and over	4.84	4.26

Sewer Rates

Administration Fee (per bill)	\$ 7.57	\$ 7.57	6.06	6.06
Debt Service (per REU)	\$ 2.76	\$ 7.57	2.76	7.86

Volume Charges (per Kgal.)	\$ 7.15	6.30
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Sewer Only Flat Rate Calculated Based On 7,000 gal. per REU

Fire Hydrant Fee	\$ 0.75	\$ 0.75	0.75	0.75
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I. Industrial Users

- (a) The wastewater operation and maintenance charge shall be calculated as 50% for wastewater collection system operation and maintenance cost and 50% as wastewater treatment operation and maintenance cost for purposes of billing users discharging directly to the wastewater treatment facility without use of the Utility's wastewater collection system.

- (b) Biochemical Oxygen Demand (BOD₅) and/or Total Suspended Solids (TSS) concentrations above 200 milligrams per liter (mg/L) shall be subject to the following additional surcharges:

BOD ₅ per pound	\$ 0.45	0.45
TSS per pound	\$ 0.30	0.30

- (c) After a violation, the Industrial Permit holder will be responsible for reimbursement of the cost of subsequent testing performed by the JWSC until the cause of such violation is identified and corrected by the permit holder.

II. Septic Tank Hauling Discharges

- (a) All septic tank contents discharged to the Academy Creek Water Pollution Control Plant shall be subject to payment of a fee of \$15.00 per discharge and a rate of \$0.08 per gallon discharged. This fee shall be based on the actual discharge into the plant
- (b) All septic tank contents discharged to the St. Simons Island and Exit 29 Water Pollution Control Plants shall be subject to payment of a fee of \$0.08 per gallon of truck capacity with no allowance for partial loads.

III. Fire Protection Charges

- (a) The charge for any overhead fire suppression/sprinkler system installed in any facility other than single family residences shall be as follows:

1 to 2 inch Fire Suppression System	\$ 3.50 per month	3.00
3 inch Fire Suppression System	\$ 7.00 per month	6.00
4 inch Fire Suppression System	\$ 13.00 per month	12.00
6 inch Fire Suppression System	\$ 34.00 per month	31.00
8 inch Fire Suppression System	\$ 75.00 per month	65.00
10 inch Fire Suppression System	\$ 129.00 per month	117.00
12 inch Fire Suppression System	\$ 206.00 per month	187.00

IV. Planning and Construction Fees

- (a) In order to facilitate efficient reviews and inspections for a particular development, the JWSC will calculate a retainer fee for each project on a case by case basis.
- (b) For any reviews which are not conducted by JWSC, a reimbursement of all unused retainage funds will be refunded to the project owner once the project is closed.
- (c) For any project which exceeds the original estimated review needs, an additional retainage fee will be required prior continuation of work.

Capital Improvement Fees

- (a) Capital improvement fees are intended to cover the cost of water production and distribution and waste water collection and treatment infrastructure. The capital tap fee shall be calculated and charged on the basis of REUs. Any fractional units resulting from the calculation of REUs shall be rounded up to the next whole unit. Capital improvement fees may be used by the Utility to pay for debt incurred to fund this type of infrastructure.

Fee Per REU:

Water	\$2,400.00
Sewer	\$4,800.00

- (b) The fire protection capital fees shall be as follows:

1" Connection	\$ 600.00	600.00
2" Connection	\$ 1,000.00	1,000.00
3" Connection	\$ 1,300.00	1,300.00
4" Connection	\$ 1,600.00	1,600.00
6" Connection	\$ 1,900.00	1,900.00
8" Connection	\$ 2,200.00	2,200.00

10" Connection	\$ 2,500.00	2,500.00
12" Connection	\$ 2,800.00	2,800.00

- (c) Capital improvement fees shall cover only connection to existing mains that are adjacent to location to be served; the actual costs of any extensions necessary shall be charged in addition to capital fees. All fees and charges shall be paid by the customer or customers at whose request the connection is made.
- (d) In the case of lot splits, credit will be given for previous number of REU's. Capital fees must be paid on the newly created lots.
- (e) Capital improvement fees shall be paid concurrent with, the JWSC's approval of construction plans for the capacity required. The required capacity will be reserved for that property.

The JWSC will not approve construction plans when availability and/or capacity of water or sewer service is not available or is insufficient to support the building plans.

Additional capacity may be reserved based on new or amended construction plans for the property, subject to the capacity available and at the at the rates in effect at the time of the new or amended construction plan approval.

- (f) The customer paying the capital improvement fees will be responsible for the monthly billed amount for administration, debt recovery and fire hydrant fees until the property, or parcels of the property, are sold or otherwise transferred to another customer. Failure to pay these fees prior to the issuance of a Certificate of Occupancy will result in forfeiture of the capacity reservation. There will be no capital improvement fee refunds in this situation.

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V. Operational/Installation Fees

- (a) Water and sewer installation fees for making taps into the Utility water mains or water lines and installing water meters shall be in accordance with the fee schedule:
- (b) Actual cost charges for water and/or sewer service installations or work otherwise performed not covered in standard pricing shall be calculated in accordance with the schedule included in the fee schedule.
- (c) All hourly charges shall include travel time to and from the job location. Work performed outside regular business hours at request of customer shall be charged at 150% of the rates in the schedule. Miscellaneous charges shall include actual charges for equipment rented to perform the work.
- (d) Connections to the system for water will be made immediately after a building permit is published in the Public Records Publications ("The Green Sheets" for Glynn County, Georgia), or posted at the property location. The customer will be responsible for the Operational/Installation Fees.

VI. Meter Replacement Costs

- (a) Water meters will be removed from service locations in cases where there is no customer of record for three consecutive reading cycles. A replacement fee of \$500 will be charged if replaced within six months of removal. If over six months, see (c) below.
- (b) Water meters removed at a customers request, for demolition purposes, will be charged a replacement fee of \$500 if replaced within six months of removal. If over six months, see (c) below.
- (c) Service addresses where the water meter has been removed for six months or longer will be charged for a new meter installation at the current cost per the fee schedule.
- (d) Meters that are damaged will be replaced at cost of the meter, labor and other installation material cost.

VII. Residential Equivalent Units (REUs)

- (a) The determination of a nonresidential facility's REU shall be based on estimated water consumption as shown in guidelines below or on square footage. Peak water consumption of three hundred (300) gallons per day shall be the equivalent of one (1) REU. If the table does not provide information for a particular application, the estimated water consumption shall be as calculated by the Executive Director or his designee in accordance with sound engineering practices using information available from Georgia EPD, USEPA, AWWA or standard reference materials commonly used for estimating flows.
- (b) In the event a facility is made up of more than one smaller component facility, the determination of REU shall be calculated as the sum of the REU for all components.
- (c) A single family residence, with a meter size greater than one inch, will be considered two residential equivalent units.

VIII. Hydrant Meter Rentals

- (a) Hydrant meters are available for rent for purposes where water is drawn from fire hydrants.
- (b) Rental of a fire hydrant meter requires a refundable, non-interest bearing deposit of \$1,500.00 per meter.
- (c) Hydrant rental shall consist of a monthly rental fee of \$15.00 plus water administrative, debt and usage charges based the current portable water rates.
- (d) Meters must be returned to the JWSC annually, or as directed by the JWSC, for testing of accuracy and backflow.
- (e) Hydrant meter readings must be submitted to the JWSC by 5:00pm, the first business day of each month. Reading submitted after that time will be subject to a late reading fee of \$25.00.

IX. Payment of Fees

All fees, other than monthly bills, must be paid in advance of services unless other payment arrangements are approved by the Executive Director or their designee.

X. Deposits

Deposits shall be two and one-half (2½) times the monthly bill for all services, as estimated by the Executive Director or his designee using whatever data may be available, with a minimum deposit of one hundred dollars (\$100.00) per REU for residential and one hundred fifty dollars (\$150.00) per REU for commercial, and shall be non-interest bearing.

XI. Penalty

Payment of these rates, fees and charges shall not exempt any user from any civil or criminal action resulting from violations of the City of Brunswick or Glynn County Water and Sewer Ordinance.

Thomas A. Boland, Chairman

Date

Brunswick-Glynn County Joint Water and Sewer Commission
Schedule of Fees and Charges

Account and Meter Service Fees:

		<u>2017 Rates</u>
Account Establishment Fee	55.00	50.00
After Hours Turn On (Applications received after 2:00 pm)	70.00	65.00
Locating Customer Meter	50.00	45.00
First Turn-On/Turn-off at Customer Request (each 12 months)	0.00	0.00
Second and Subsequent Turn-On/Turn-Off at Customer Request	90.00	85.00
Emergency Call Out for Turn-Off / Turn-On	125.00	115.00
First Reread (each 12 months)	0.00	0.00
Second and Subsequent Rereads (within 12 months)	50.00	45.00
Return Trip Fee for Turn-On	55.00	50.00
Capital Improvement Fee Transfer	300.00	

Delinquent Account Fees:

Turn-Off for Delinquency (or Vacant)	135.00	125.00
Turn-Off and Lock For Delinquency (or Vacant)	225.00	205.00
Lock Cut Fee/Relock Fee	225.00	205.00
Remove Meter For Delinquency	275.00	250.00
Cut-Off at Main	330.00	300.00
Returned payment (NFS) Fee	35.00	35.00
Late Fee on Balances in Arrears (per month)	1.5%	1.5%

Testing Fees:

Water Bacteriological Sampling	80.00	75.00
Chlorine Testing	75.00	70.00
24-Hour Pressure Testing	135.00	125.00
New Line Pressure Test (Water & Sewer)	135.00	125.00
Fire Flow Testing	165.00	150.00
Pull and Test Meter (if meter reads less than 103% over actual)	240.00	220.00

Water Meter/Sewer Installation Fees:

Water Operational / Installation Fees - 1 inch	1,360.00	1,235.00
Water Operational / Installation Fees - 2 inch	3,010.00	2,735.00
Water Operational / Installation Fees - 3 inch or larger	At cost	At cost
Irrigation Operational / Installation Fees - 1 inch	2,060.00	1,875.00
Irrigation Operational / Installation Fees - 2 inch	3,930.00	3,575.00
Sewer Operational / Installation Fees - Up to 6 inch Gravity (Plus actual costs of installation)	580.00	530.00
Sewer Operational / Installation Fees - 2 inch Low Pressure System (Plus actual costs of installation)	325.00	295.00
Backflow Installation On Pre-Existing Residential Irrigation Meters	At cost	At cost
Fire Hydrant Relocation	At cost	At cost
Replacement of removed meter	500.00	

Inspection Fees:

Sewer Cleanout Inspection	165.00	150.00
Sewer Cleanout Reinspection/Second and Subsequent Trips to Inspect - per trip	75.00	70.00
Backflow Installation Inspection Fees - Initial Inspection	110.00	100.00
Backflow Installation Inspection Fees - Second and Subsequent Trips	195.00	175.00
Pretreatment/FOG Compliance - Initial Inspection	110.00	100.00
Pretreatment/FOG Compliance Reinspection/Second and Subsequent Trips to Inspect - per trip	195.00	175.00
Backflow Test Submittal Late over 30 Calendar Days	12.00	10.00
Backflow Test Submittal Late over 45 Calendar Days	22.00	20.00
Backflow Test Submittal Late over 50 Calendar Days	110.00	100.00
Locate Services - Lateral & Taps for Contractors - Second and Subsequent Calls	500.00	460.00
Camera Inspections*	150.00	135.00
Private Sewer Lateral Cleaning*	175.00	160.00

* Fees apply when utility crews have responded, are working in the area and customer requests service.

Brunswick-Glynn County Joint Water and Sewer Commission
Schedule of Fees and Charges

Permitting Fees:

Modification to Local Limits (Plus additional out of pocket costs)	1,100.00	1,000.00
Infrastructure Dedication Inspection	At cost	At cost
Plan Review Fee - Subsequent Review	At cost	At cost
Easement Abandonment Request (non-refundable)	1,265.00	1,150.00
Initial Pretreatment Application Fee (Plus additional out of pocket costs)	1,100.00	1,000.00
Pretreatment Permit Renewal Fee (Plus additional out of pocket costs)	550.00	500.00

On-site sanitary sewer systems:

Tank Pump-Out Charge	2,500.00	N/A
Sewer Pump Repair/Replacement	10,000.00	N/A

Emergency Response to Private Systems (Collection, Lift Stations, Water Mains) - MINIMUM

	5,500.00	5,000.00
Sanitary Spill Cleanup at Private Facilities - First Trip within a 12 Month Period	At cost	At cost
Sanitary Spill Cleanup at Private Facilities - Second Trip within a 12 Month Period	Cost + \$500	Cost + \$500
Sanitary Spill Cleanup at Private Facilities - Third and Subsequent Trip within a 12 Month Period	Cost + \$1,000	Cost + \$1,000

Unauthorized Use and Damage Fees:

First Unauthorized Turn-On (unauthorized use of water/sewer) - Residential	110.00	100.00
Second and Subsequent Unauthorized Turn-On (unauthorized use) - Residential	550.00	500.00
First Unauthorized Turn-On (unauthorized use of water/sewer) - Commercial	330.00	300.00
Second and Subsequent Unauthorized Turn-On (unauthorized use) - Commercial	1,100.00	1,000.00
Remove Jumper	275.00	250.00
Damage to meter box, cover, meter and/or curbstop	110.00	100.00
Obstructing, covering or blocking access to a water meter or fire hydrant	110.00	100.00

Labor and Equipment Rates:

Mobilize and Demobilize (each per job)	825.00	750.00
Labor (per hour)	100.00	90.00
Crew Truck - Half Ton(per hour)	50.00	
Crew Truck - 3/4 Ton(per hour)	75.00	
Crew Truck - One Ton or larger (per hour)	100.00	
Vacuum Truck (per hour)	275.00	250.00
Backhoe (per hour)	220.00	200.00
Mini-Excavator (per hour)	165.00	150.00
Trencher (per hour)	85.00	75.00
Camera Truck (per hour)	275.00	250.00
Dewatering Pump (per hour)	85.00	75.00
Air Compressor (per hour)	55.00	50.00
Portable Generator	55.00	
Tap Water Main (per inch of tap diameter)	110.00	100.00
Road Boring Equipment (per foot bored)	25.00	20.00
Road Repair (per square yard)	75.00	65.00

Printing Charges:

11 x 17 Record Drawing	8.25	7.50
24 x 36 Record Drawing	12.00	11.00
Digital Record Drawing (Does not include price of CD)	5.50	5.00

Service Cost of Maps and Data (Cost of Analyst time - 1/2 hour minimum) per hour	72.50	65.00
8.5 x 11 Map	9.00	8.00
11 x 17 Map	10.00	9.00
24 x 36 Map	15.00	14.00
36 x 44 Map	25.00	23.00
Extra Large Map	33.00	30.00

Materials and Shipping:

CD/DVD	5.00	5.00
Shipping	At Cost	At Cost

Expedited Requests:

48 Hours - Add	20%	20%
24 Hours - Add	40%	40%

Plan and Construction Fee Schedule

Zoning	Base Fee (10 acres or less) Each Additional 10 Acres
Preliminary Plat Review	Base Fee (20 lots or less) Each Additional Lot
Expedited Subdivisions Review	Base Fee
Construction Plan Review	Per linear foot of Water and Sewer utility
Site Plan Review	Base Fee
Record Drawings/Easement Review	Per linear foot of Water and Sewer utility
Final Plat	Base Fee (20 lots or less) Each Additional Lot
Commercial Building Permit	Per linear foot of Water and Sewer utility Per Pump/Grinder Station Per Sewer Cleanout

Labor will be at the following rates:

Director/Superintendent

Residential Equivalent Units (REUs)
(Cumulative Gallons Per day/300 = 1 REU)

Calculation: The facility gallons per day X the unit of measure X GPD
300

150 Seat Assembly Hall: (150 seats X 5)/300 = 2.5

Rounded up to next whole number = 3 REU

FACILITY	UNIT OF MEASURE
Assembly Hall	5 per seat
Barber Shop/Beauty Parlor	125 per chair
Barber Shop Only	50 per chair
Beauty Shops	125 per booth or bowl
Boarding House*	100 per room
Bowling Alley	75 per lane
Church w/o Day Care	5 per sanctuary seat
Car Wash	
Manual, Do-It-Yourself-Wand Wash	200 per bay
Semi-Automatic (Mechanical without Conveyor)	1,200 per bay
Automated	3,500 per site
Hand Wash	700 per location
Commercial Truck Washing Station	250,000 gpd/bay
Correctional Institution/Prison	250 per inmate
Country Club, Recreation Facilities Only	25 per member
Day Care Center	15 per person
Dealerships-Auto, Boat, Recreational, Vehicle Dealerships/	
Showrooms w/restrooms	125 per Plumbing Fixture
Dental Office	100 per chair
Department Store	10 per 100 SF
Dry Cleaners	
Cleaners (Pick Up Only)	.048 per employee-unit factor**
Cleaners (Pressing Facilities)	1.25 per press-unit factor**
Factory	
Without Showers	25 per FTE employee
With Showers	35 per FTE employee
Food Service Establishments*	
Restaurants (Up to 12 hours per day)	35 per seat
Restaurants (12 hours per day to 18 hours per day)	50 per seat
Restaurants (Above 18 hours per day)	75 per seat
Restaurants (Bar and Cocktail Lounge)	30 per seat
Restaurants (Drive-In)	50 per space
Restaurants (Carry-Out Only)	50 per 100 SF
Restaurants (Use Paper Products Only)	10 per seat
Banquet/Dining Hall	30 per seat
Institutions, Dining Halls	5 per meal
Caterers	50 per 100 SF
Deli	40 per 100 SF
Bakery	10 per 100 SF
Meat Department, Butcher Shop or Fish Market	75 per 100 SF
Specialty Food Stand or Kiosk	50 per 100 SF
Fitness, Exercise, Karate or Dance Center	50 per 100 SF
Funeral Home	10 per 100 SF
Hospital	
Inpatient	300 per bed
Outpatient	275 per bed
Hotel*	
Hotel (Without Kitchen)	100 per room

Residential Equivalent Units (REUs)
(Cumulative Gallons Per day/300 = 1 REU)

Calculation: The facility gallons per day X the unit of measure X GPD
300

150 Seat Assembly Hall: (150 seats X 5)/300 = 2.5

Rounded up to next whole number = 3 REU

FACILITY	UNIT OF MEASURE
Hotel (With Kitchen or Food Service)	120 per room
Laundry, Commercial	1,000 per machine
Laundry, Coin	150 per machine
Lodges*	100 per room
Marinas	
Marinas Without Bathhouse	10 per slip
Marinas With Bathhouse	30 per slip
Mobile Home Park	300 per site
Motel*	
Motel (Without Kitchen)	100 per room
Motel (With Kitchen or Food Service)	120 per room
Multiple Family Residence	120 per habitable room
Nursing Home*	150 per bed
Office	10 per 100 SF
Parks with Restroom Facilities	250 per Plumbing Fixture
Physician's Office	200 per exam room
Public Access Restrooms	325 per Plumbing Fixture
Schools (Including Kindergarten)*	
Boarding	100 per person
Day, Restrooms Only	12 per person
Day, Restrooms and Cafeteria	16 per person
Day, Restrooms, Gym and Cafeteria	20 per person
Service Stations	
Service Stations, Interstate Locations	425 + 150 per pump
Service Stations, Other Locations	300 + 100 per pump
Service Station Car Wash	500 per stall
Shopping Center (Not including food service or laundry)	10 per 100 SF
Stadium	5 per seat
Self Storage Facilities	25 per FTE employee
Supermarket/Grocery Store	20 per 100 SF
Swimming Pool	
With Bathhouses and Spas (Maximum Occupancy)	10 per person of permitted occupancy
Theater	
Theater (Indoor)	5 per seat
Theater (Outdoor)	1 per seat
Transportation Terminals-Air, Bus, Train, Ferry, Port and Dock	5 gpd/Passenger
Travel Trailer Park*	
With Independent Water & Sewer Connection	175 per site
Without Independent Water & Sewer Connection	35 per site
Veterinary Offices	
Veterinary-Not Including Boarding	250 gpd/Practitioner/Shift
Veterinary-Hospital, Kennels, Animal Boarding Facilities	20 gpd/Pen, Cage, Kennel or Stall
Warehouse	25 per FTE employee

*Add 300 gallons per machine if laundry, diswashing machine or three compartment sink are installed

** Unit Factor not GPD

Full Time Equivalent (FTE) Employee = Cumulative of 40 hours per week (e.g. 2 employees at 20 hours per week = 1 FTE)

The number of REU's for facilities not included above may be calculated based on average use.