

Goals for Today

- Goals for Rate Making
- Current Projections
 - Previous Projections
- Cost Drivers
 - Operating
 - Capital
 - Debt
- Reserves
 - Current Ratings and Possible Impacts
- Miscellaneous Fee Update and Calculation Clarification
- Recommended 3-Year Rate Plan



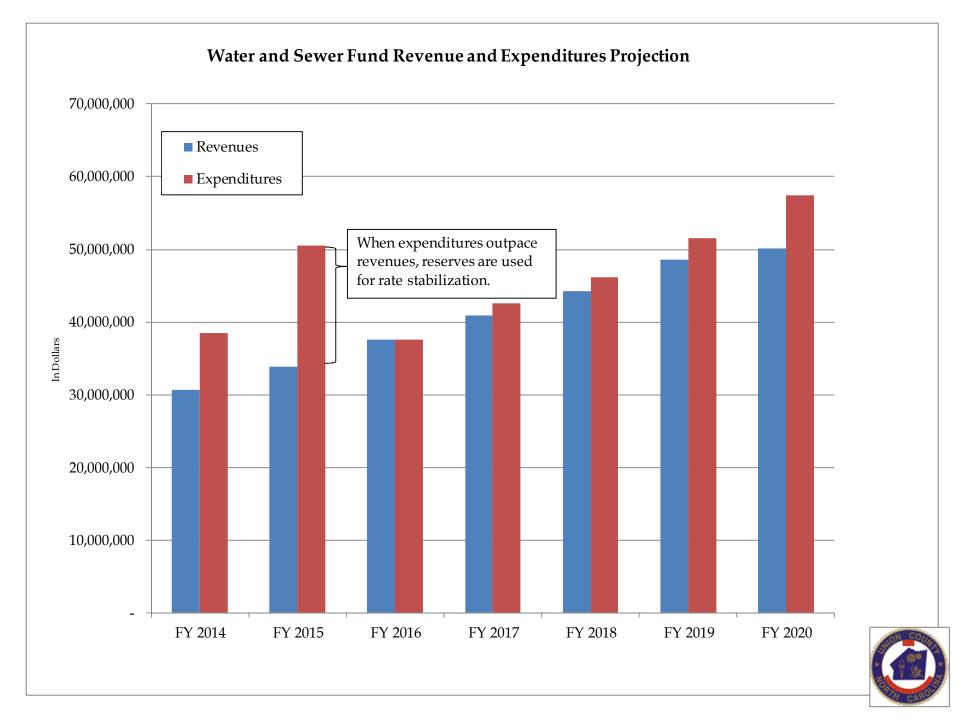
Goals for Rate Making

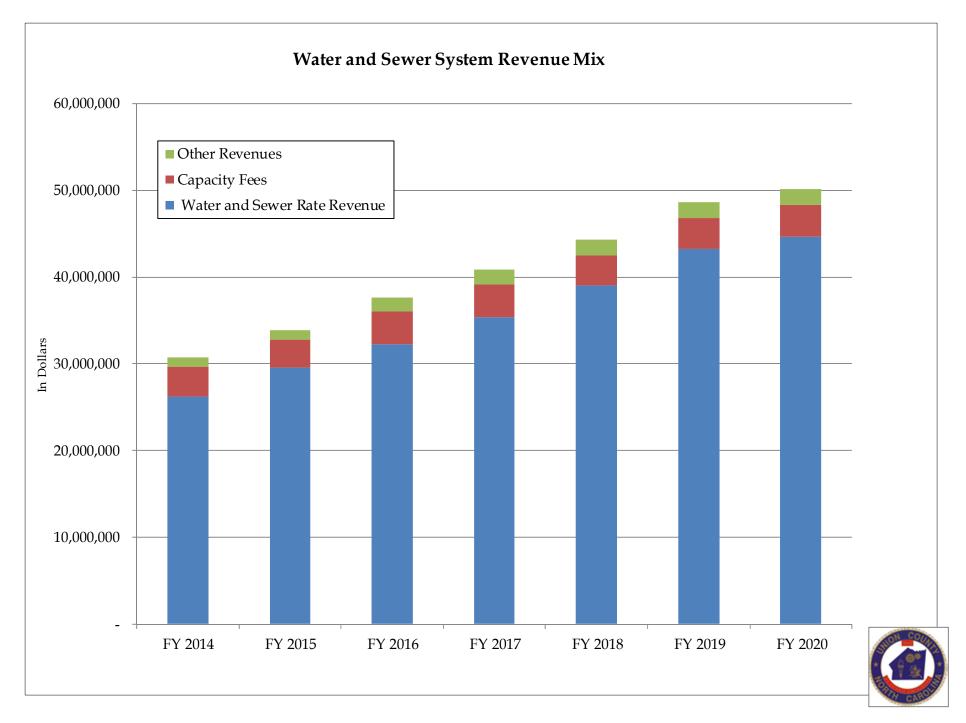
- Ensuring Fiscal Sustainability
 - Sustainable Operations
 - Sustainable System
 - Sustainable Debt Service
- Ensuring Rate Fairness
 - Base Rates v. Volumetric Rates
 - Rate Stabilization
 - Intergenerational Equity
- Encouraging Conservation

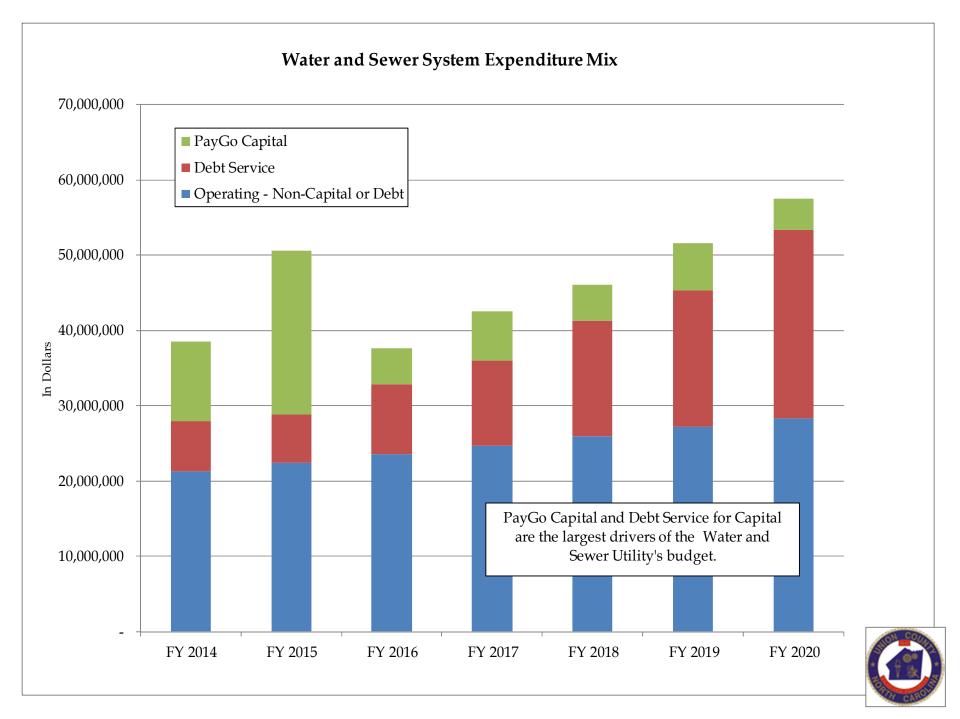


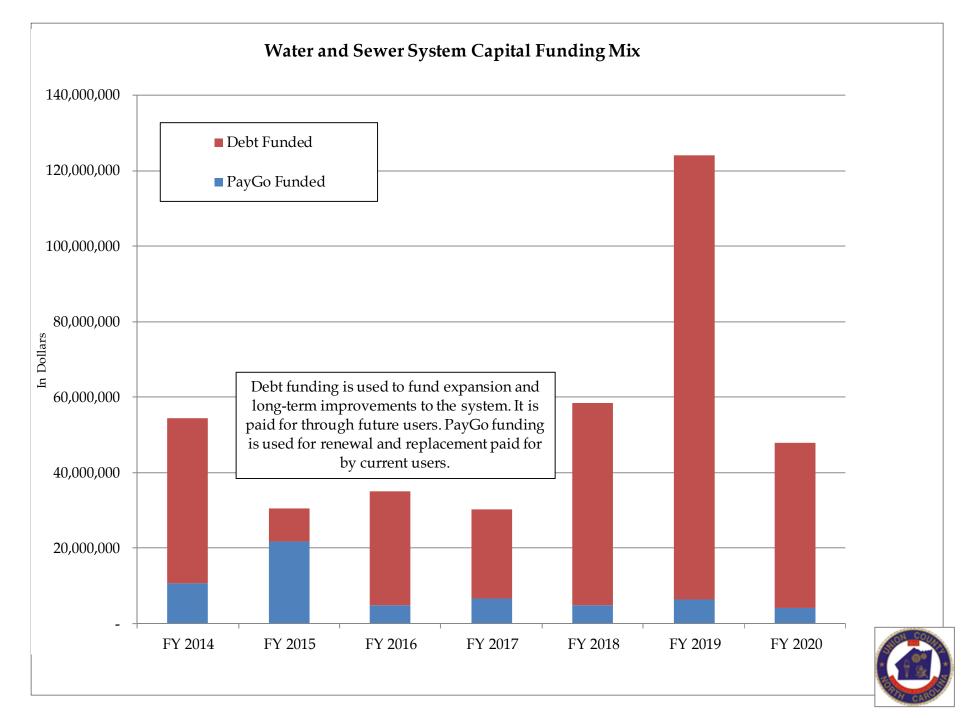
Water and Sewer Utility Fund Projections								
		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Revenues								
Water and Sewer Rate Revenue	\$	(26,174,584)	(29,497,367)	(32,279,419)	(35,326,497)	(38,992,013)	(43,246,512)	(44,626,58)
Water Tap Fees		(1,486,230)	(1,230,000)	(1,419,357)	(1,459,474)	(1,340,911)	(1,374,774)	(1,409,493
Sewer Tap Fees		(1,940,741)	(2,016,225)	(2,262,576)	(2,326,526)	(2,137,525)	(2,191,507)	(2,246,85)
Water Miscellaneous Revenues		(12,157)	(10,200)	(10,506)	(10,821)	(11,146)	(11,480)	(11,82
General Miscellaneous Revenues		(1,098,450)	(1,113,740)	(1,147,152)	(1,181,567)	(1,217,014)	(1,253,524)	(1,291,13
Interest Income		-	-	(483,638)	(596,506)	(579,190)	(555,585)	(504,11
Total Revenue	\$	(30,712,162)	(33,867,532)	(37,602,648)	(40,901,391)	(44,277,799)	(48,633,382)	(50,090,002
Expenditures								
Operating Expenses								
Personnel	\$	7,030,684	8,159,524	8,752,900	9,377,799	10,035,742	10,728,319	11,248,52
Utilities		1,403,088	1,421,120	1,534,351	1,656,604	1,783,363	1,919,820	2,066,71
Water Purchased for Resale		3,374,232	3,427,800	3,556,998	3,713,040	3,849,247	3,990,961	4,138,42
Other Operating		8,046,774	8,380,942	8,632,370	8,891,341	9,158,082	9,432,824	9,715,80
Payments to Anson County		295,092	387,000	295,092	295,092	295,092	295,092	295,09
Capital Outlay		824,000	290,000	298,700	307,661	316,891	326,398	336,18
Transfer to Stormwater Fund		319,893	390,757	402,480	414,554	426,991	439,800	452,99
Existing Debt Service		6,627,374	6,408,223	6,294,377	6,220,760	5,953,573	5,934,172	5,917,81
New Debt Service		-	-	3,060,824	5,065,358	9,390,968	12,223,811	19,170,41
PayGo Capital Program		10,589,089	21,696,400	4,740,340	6,601,840	4,888,360	6,242,700	4,141,40
Total Expenditures	\$	38,510,226	50,561,766	37,568,432	42,544,049	46,098,309	51,533,897	57,483,38
Revenue (Over)/Under Expenditures	\$	7,798,064	16,694,234	(34,216)	1,642,658	1,820,510	2,900,515	7,393,38
Projected June 30, 20XX Fund Balance	\$	77,131,936	60,437,702	60,471,918	58,829,260	57,008,750	54,108,235	46,714,85
Projected Reserve Target	\$	32,586,867	34,945,080	36,786,590	38,717,901	41,267,422	45,362,711	46,714,85
Projected Rate Increases		3.50%	6.50%	6.50%	<u>6.50%</u>	7.00%	7.50%	0.00
December 2011 Projections		3.50%	3.80%	3.80%	3.80%	3.80%	6.00%	8.00

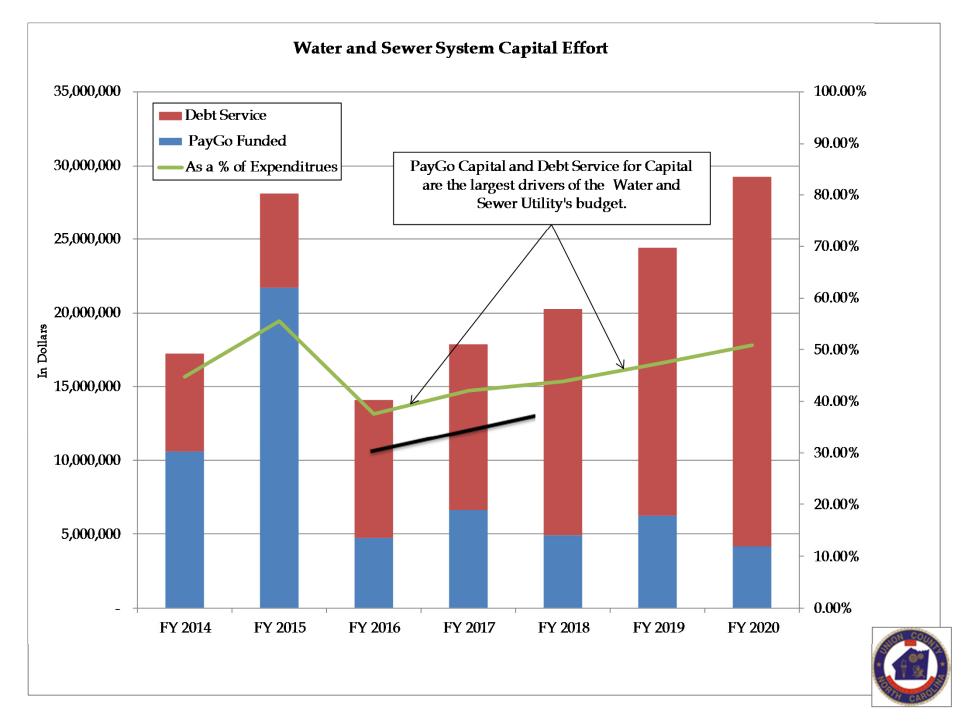


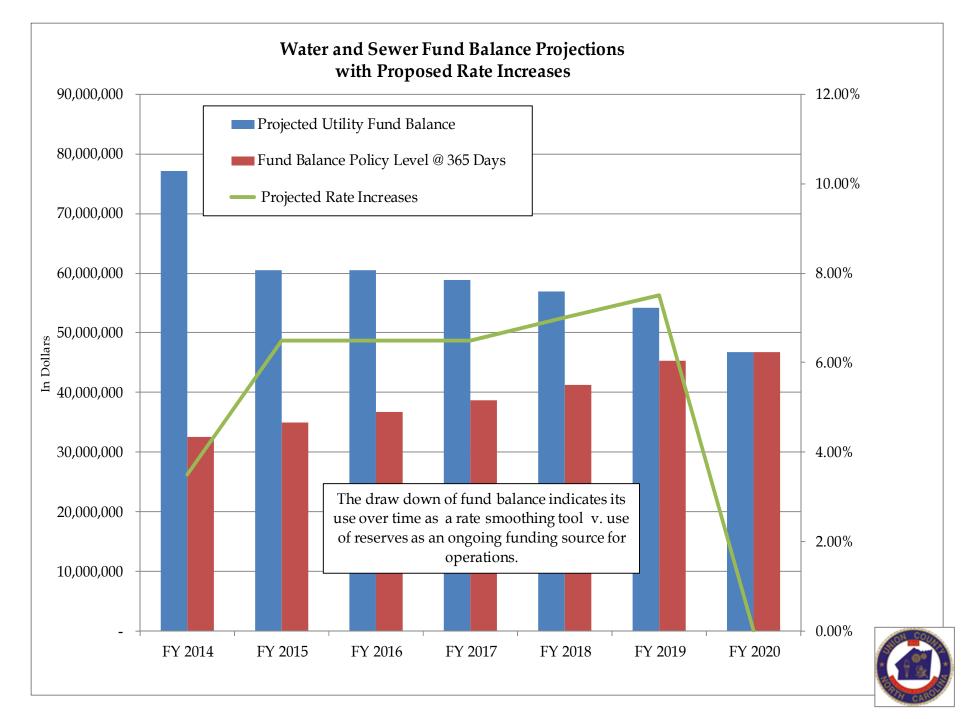












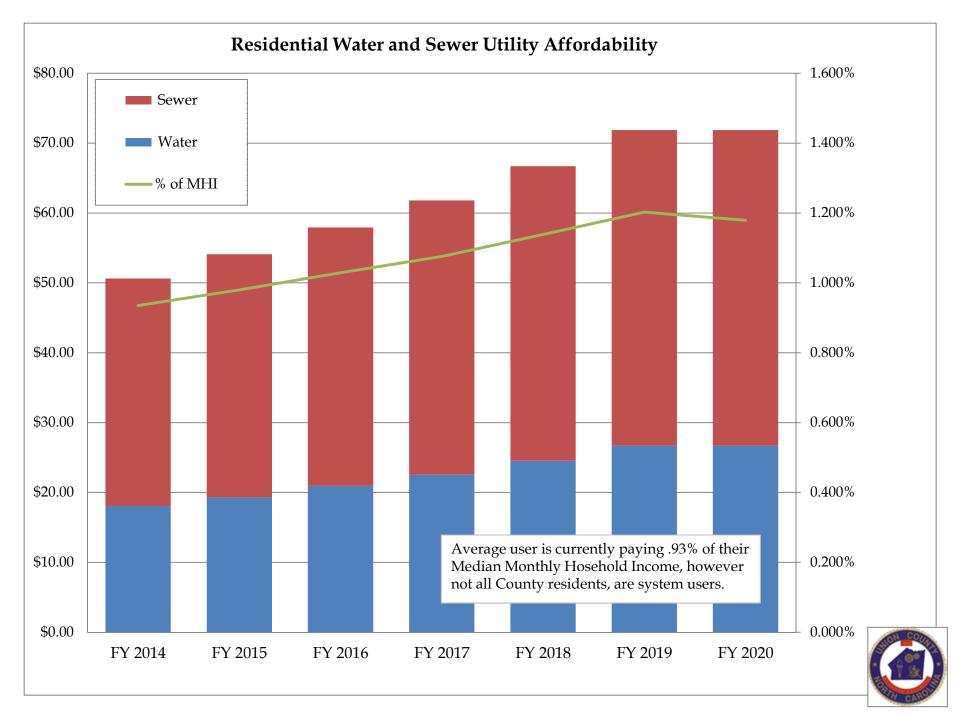
Water Base Facility Charge							
Meter Size	FY 2014		FY 2015	FY 2016	FY 2017		
Ivieter Size	C	urrent	Proposed	Proposed	Proposed		
Base Charge 3/4"	\$	6.10	7.40	8.20	9.05		
1"		15.35	18.60	20.55	22.70		
1-1/2"		30.50	36.90	40.85	45.05		
2"		48.75	59.00	65.35	72.05		
3"		137.15	166.10	183.85	202.75		
4"		304.75	369.10	408.65	450.65		
6"		426.65	516.70	572.00	630.85		
Hydrant		6.10	7.40	8.20	9.05		

	Water Vo	olumetric Rates	5		
Class/Tier	FY 2014	FY 2015	FY 2016	FY 2017	
,	Current	Proposed	Proposed	Proposed	
Residential					
Tier 1	\$ 1.95	1.95	2.10	2.20	
Tier 2	2.65	2.65	2.80	3.00	
Tier 3	3.75	3.75	4.00	4.2	
Tier 4	5.85	5.85	6.05	6.2	
Tier 5	10.10	10.10	10.10	10.1	
Irrigation					
Tier 1	3.75	3.75	4.00	4.2	
Tier 2	3.75	3.75	4.00	4.2	
Tier 3	3.75	3.75	4.00	4.2	
Tier 4	5.85	5.85	6.05	6.2	
Tier 5	10.10	10.10	10.10	10.1	
Non-Residential Flat	2.70	2.70	2.90	3.0	
Inon-Residential Flat	2.70	2.70	2.90		



Sewer Base Facility Charge								
Meter Size	FY 2014 Current		FY 2015 Proposed		FY 2016 Proposed		FY 2017 Proposed	
Ivieter Size								
Base Charge 3/4"	\$	9.25		9.85		10.50	-	11.15
1"		23.31	2	24.85		26.45	,	28.15
1-1/2"		46.34	4	19.35		52.55	[56.00
2"		74.09	7	78.90		84.05	8	89.50
3"	2	208.50	22	22.05	2	36.50	25	51.85
4"	4	63.33	49	93.45	5	25.50	55	59.70
6"	6	648.61	69	90.75	7	35.65	78	83.50
Flat		31.75	3	33.80		36.00		38.35
Other Metered		9.25		9.85		10.50	-	11.15

		Sewer Vo	olumetric Rates	3		
Class/Tier	FY 2014		FY 2015	FY 2016	FY 2017	
	Current		Proposed	Proposed	Proposed	
Residential						
0 - 12K Gallons	\$	4.40	4.70	5.00	5.30	
Non-Residential						
All Usage		4.40	4.70	5.00	5.30	
-						



Capacity Fees for Large Meters

- Current Policy for Meters Larger than 2"
 - Fees for meter sizes greater than 2" is determined based on anticipated usage with each new service

Proposed changes

- To provide better definition of the methodology for determining capacity fees
- To extend this methodology to also include 2" meters



Capacity Fees for Large Meters

• Equivalent Residential Unit (ERU) Method

- Capacity fees are a multiple of the estimated water demand as compared to the water demand of a single family residential unit (1 ERU)
- -1 ERU = 703 gpd (max day water demand)

• Water capacity fees due

- = Estimated Water Demand (gpd) / 703 gpd/ERU x Capacity Fee (\$)/ERU
- Applies to new or expanded water/sewer service
- Sewer capacity fees will be determined in the same manner



Capacity Fees for Large Meters

Equivalent Residential Unit (ERU) Method

Example:

A commercial development has an estimated water demand of 65,000 gpd for its max day usage.

65,000 gpd/703 gpd/ERU = 92.5 ERUs

Water capacity fees due = 92.5 ERUs x \$1,200/ERU = \$111,000

Sewer capacity fees due = $92.5 \text{ ERUs } \times \frac{3,090}{\text{ERU}} = \frac{285,825}{3,090}$



Meter Tampering Fee

- Current Fee \$50 per occurrence
- Misdemeanor NC State law
- Proposed Tampering fee
 - Tiered Structure

Meter Tampering Fees						
1 st Offense	\$100					
2 nd Offense	\$250					
3 rd Offense	\$500					



Meter Installation Fee

- Fee not defined in current Rate Ordinance
- **Meter Installation Fee**: Actual cost of meter assembly plus labor costs to install
 - Example: ³/₄" meter = \$160 (meter and ERT) + \$25 (labor) = \$185
 - Fee is based upon meter size

Meter Size	Meter Installation Fee
3⁄4″	\$185
1"	\$275
1 1⁄2"	\$1,400
2" & larger	Actual Cost
	Actual Cost

Temporary Construction Meters - Deposit

- Create a new definition for "Temporary Construction Meter"
 - Defined as a meter set at the beginning of or during the construction phase of any new development (commercial or residential), prior to the issuance of a Certificate of Occupancy
- Purpose
 - To collect sufficient funds to cover cost of damage to meters during construction
 - Grading, landscaping, paving, installation of other utilities, etc.
- Amount of deposit will vary based on meter size
 - Equal to Meter Installation Fee



Late Fees

• Current Fee: \$5.00 or 5%, whichever is greater

- FY2010 17.2% of bills not paid on time
- FY2014 18.4% of bills not paid on time

• Other NC Water/Sewer Utilities

- 63% of utilities charging a flat fee charge \$10 or more
- 72% of utilities charging a percentage charge 5% or more
- Proposed Fee: \$10.00 or 5%, whichever is greater



FY 2015 Operating and Capital Budget Union County, NC

Recommendation

- Adopt the Three-Year Rate Structure to be Implemented July 1st
- Implement Procedural Changes
- Work toward Efficient Project Implementation
- Manage Timing and Efficiency of Debt
- Evaluate Rate Plan as Part of FY 2018 Budget Preparation

