



Key Takeaways

- The final review of the FY 2020 BUDGET and charges has produced changes
- The FY 2020 BUDGETs represent a 3.5% (see below) increase compared to FY 2019 for both Water and Sewer

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✓ Water = 3.1%✓ Sewer = 2.7%
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- Projected improved investment earnings offset need to increase Water and Sewer Service Charges
- Overall *average* FY 2020 "System Charge" Adjustments for existing Customers:

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✓ Water = \frac{1.6\%}{0.8\%} 0.8%
✓ Sewer = \frac{2.1\%}{0.3\%} 1.3%
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Key Takeaways (continued)

- FY 2020 Service Charge impacts on individual Customers vary, and reflect:
 - ✓ Detailed cost pool analyses of the FY 2020 Budget and capital asset elements;
 - ✓ Phase 2 of the Units of Service (UoS) Study for Non Master Metered Customers – Water only;
 - ✓ Results of the Contract Alignment (CAP) process for Customer demands – Water only;
 - ✓ Recognition of the proposed amendment to the service agreement with OMID – Sewer only;
 - ✓ Other refinements

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FY 2020 BUDGET and Revenue Requirements for Charges UPDATE



FY 2020 <u>WATER</u> BUDGET and "System Charge" Adjustments – *What's New*?

- Slight (~ \$100,000) increase in O&M

 ✓ Water quality shared services arrangement
- \$1.4 million decrease in budgeted debt service ✓ Defer initial DWRF interest to FY 2021
- Maintain prior budgeted I&E amount
- Reduces BUDGET increase from 3.5% to 3.1%
- Reduces CHARGE increase from 1.6% to 1.2%
 - ✓ New "internal" GLWA Customer results in average Charge increase for existing Customers of 0.8%

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FY 2020 <u>SEWER</u> BUDGET and "System Charge" Adjustments – *What's New?*

- \$2.2 million reduction in O&M
 - ✓ Purchased water costs for GLWA sewer facilities
 - Facilities become internal GLWA Water Customer
- \$1.5 million reduction in O&M
 - ✓ Recognize pace of certain CSO programs
- Slight (~\$100,000) reduction in O&M
 - ✓ Proposed <u>direct</u> NESPS savings re: OMID Service Agreement
- Maintain prior budgeted I&E amount
- Reduces BUDGET increase from 3.5% to 2.7%
- Reduces CHARGE increase from 2.1% to 1.3%

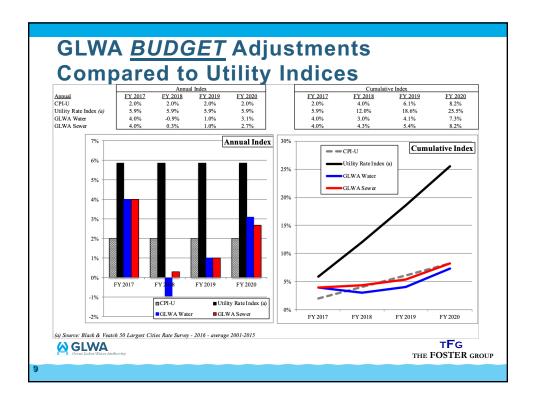


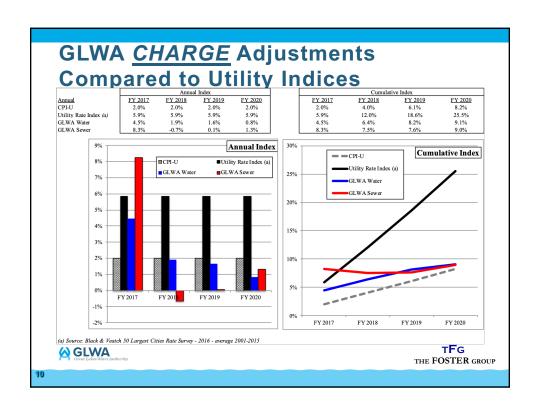
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FY 2020 BUDGET and "System Charge" Adjustments

 Average "System Charge Adjustment" for existing Customers is 0.8% for Water and 1.3% for Sewer

		Water System			Sewer System			Total GLWA					
	Annual BUDGET	FY 2019	FY 2020	Change	% Change	FY 2019	FY 2020	Change	% Change	FY 2019	FY 2020	Change	%Chang
1	Operation and Maintenance Expense	121.6	133.5	11.9	9.8%	191.1	188.0	(3.1)	-1.6%	312.6	321.5	8.8	2.8%
2	Master Bond Ordinance Commitments	170.7	174.1	3.4	2.0%	266.9	268.1	1.2	0.5%	437.6	442.3	4.6	1.1%
3	Deposit to I&E (and other reserve) Funds	39.1	34.1	(5.1)	-12.9%	12.2	26.7	14.5	119.7%	51.3	60.8	9.5	18.5%
4	TOTAL BUDGET	331.4	341.7	10.3	3.1%	470.2	482.8	12.7	2.7%	801.6	824.5	22.9	2.9%
	Charge Adjustment Illustration												
	Proforma Revenue - Existing Charges												
5	Revenue from Charges	328.9	329.7	0.8	-0.2%	470.0	470.2	0.3	-0.1%	799.2	799.9	0.8	-0.1%
6	Investment Earnings & Miscellaneous	3.8	9.1	5.2	-1.6%	4.6	8.7	4.2	-0.9%	8.4	17.8	9.4	-1.2%
7	Expected Bad Debt Expense	(1.4)	(1.2)	0.2	-0.1%	(4.7)	(2.3)	2.4	-0.5%	(6.0)	(3.5)	2.6	-0.3%
8	Net Proforma Revenue Comparison	331.4	337.6	6.2		469.9	476.7	6.8		801.6	814.3	12.7	
9	Adjustment to Address Revenue Variance				-1.9%				-1.4%				-1.6%
10	Adjustment to Address BUDGET Variance (Line 4)				3.1%				2.7%				2.9%
11	Average Charge Adjustment			*	1.2%				1.3%			*	1.3%
* Average Charge Adjustment for Existing Customers					0.8%				1.3%				1.1%
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FY 2020 – FY 2024 Financial Plan Forecast UPDATE



FY 2020 - FY 2024 Financial Plan Forecast: What's New?

- Modifications to the FY 2020 Budget moderately impact future year forecast amounts
- · The modifications are not material
- The updated plans will be included in formal proposals

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Preliminary Proposed FY 2020 Charges	
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Issues Impacting Proposed FY 2020 WATER Service Charges

- UoS Study for Non Master Metered ("NMM") Customers
- Contract Alignment Process ("CAP")
- Redefined water service to certain GLWA Sewer facilities
- Detailed cost pool analyses

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Issues Impacting Proposed FY 2020 WATER Service Charges – UoS Study

- UoS Phase 1 resulted in significant increases for this class
 - ✓ 1st half of increases were implemented in FY 2019
 - ✓ 2nd half intended for FY 2020 implementation
- UoS Phase 2 indicate materially lower units of service (and charges) for the NMM class
 - ✓ Originally forecasted "Phase 1" benefit to other Customers effectively eliminated by Phase 2 findings

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Issues Impacting Proposed FY 2020 WATER Service Charges – CAP

- Reduced max day and peak hour demands for 49 Customers
 - ✓ (Not all via CAP some new Customer contracts)
- Lowers revenue requirement allocation to these Customers by ~ \$3.7 million
- Other 39 Customers are proportionally allocated this \$3.7 million



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Issues Impacting Proposed FY 2020 WATER Service Charges – GLWA Facilities

- Facilities will no longer be DWSD Retail Customer
 - ✓ Appropriate to remove from DWSD UoS
 - ✓ Lowers allocated wholesale revenue requirement to Detroit
 - But Detroit also suffers revenue loss from sales to those facilities
- GLWA Sewer becomes internal Water Customer
 - ✓ Price established to not impact Suburban Wholesale Water Customers

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Issues Impacting Proposed FY 2020 WATER Service Charges – Cost Pools

- FY 2020 Cost Allocation review increases portion of revenue requirements related to Transmission Mains
- Costs related to Transmission Mains are allocated to Customers based on their peak hour demand and distance factor
- Customers with relatively high peak hour demands and/or distance factors experience a higher than average charge adjustment than Customers with relatively low peak hour demands and/or distance factors, all else being equal



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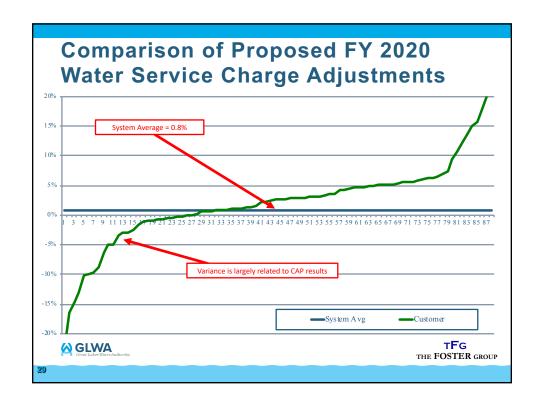
Executive Summary FY 2020 Water Charge Adjustments (\$ millions)

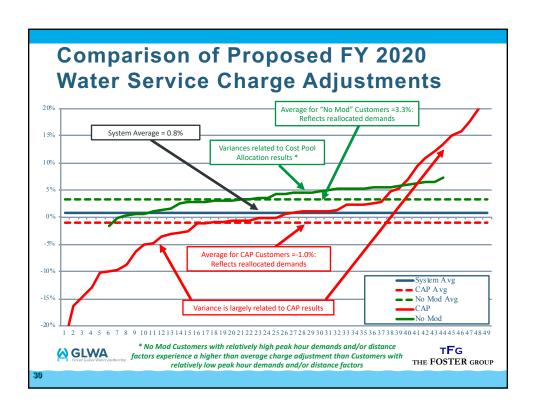
 Proposed charge adjustments vary moderately by major Customer Class

	Customers	Revenue Existing Charges	Allocated Revenue	Charge Increase Variance	Charge Increase % Variance
	Customers	Charges	<u>Req't</u>	variance	76 Variance
CAP Suburban Wholesale	49	178.55	176.73	(1.82)	-1.0%
"No Mods" Master Metered Suburban Wholesale	36	119.66	123.62	3.96	3.3%
Non Master Metered Customers	3	31.49	32.05	0.56	1.8%
Internal GLWA (Sewer Faclities)	1		1.44	1.44	NA
Total System	89	329.70	333.84	4.13	1.3%
Total less Internal Customer	88	329.70	332.40	2.69	0.8%



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Issues Impacting Proposed FY 2020 SEWER Service Charges

- Proposed amendment to OMID Service Agreement
- Detailed cost pool analyses
- Lower overall BUDGET requirements
- No "units of service" impact
 - ✓ No change in SHAREs for FY 2020

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Issues Impacting Proposed FY 2020 SEWER Service Charges – OMID Agreement

- Proposed amendment would limit GLWA services to NESPS to operating activities
 - ✓ All capital financing and maintenance activities directly provided by OMID
- <u>Initial</u> recognition of this new operating scenario will result in:
 - ✓ Fewer costs allocated directly to OMID, and...
 - ✓ More costs allocated to other cost pools, including the "common to all SHAREs" cost pool
- For purposes of FY 2020 Charges:
 - √ ½ of \$11.92 million capital contribution treated as FY 2020 revenues and applicable to FY 2020 revenue req'ts
 - ✓ Remainder applicable to FY 2021

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Issues Impacting Proposed FY 2020 SEWER Service Charges – Cost Pools

- FY 2020 Cost Allocation review critical to establish the revised OMID only cost pool assignments
- Detailed review also had the effect of:
 - ✓ Decreasing the overall Sewer budget, and
 - ✓ Slightly increasing allocation to the Combined Sewer Overflow ("CSO") cost pool



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Issues Impacting Proposed FY 2020 SEWER Service Charges – BUDGET

- Lower purchased water costs related to GLWA sewer facilities
 - ✓ Savings are reflected as "common to all" based on existing SHAREs
- GLWA Sewer becomes internal Water Customer
 - ✓ Price established to not impact Suburban Wholesale Water Customers

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Executive Summary FY 2020 Sewer Charge Adjustments (\$ millions)

 Proposed charge adjustments vary moderately by major Customer Class

	Revenue Existing <u>Charges</u>	Allocated Revenue <u>Req't</u>	Charge Increase <u>Variance</u>	Charge Increase <u>% Variance</u>
OMID	77.53	76.26	(1.27)	-1.6%
All Other Suburban Wholesale	197.42	200.25	2.83	1.4%
Detroit	181.16	186.05	4.89	2.7%
Industrial Specific Customers	14.10	13.79	(0.31)	-2.2%
Total System	470.21	476.35	6.14	1.3%
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