



Benefits of a 10-Year Funding Plan

General:

- Provides contractors with assurance that proper funding is available to complete planned projects hence potentially expanding the overall Contractor pool which in turn promotes competitive pricing
- Reflects positively with bond rating agencies for bond issuances as well as showing financial stability as the County pursue additional federal/state loans
- Provides funds for infrastructure upgrades beyond the initial proposed 3-year rate increase period, including critical water system projects and Consent Decree projects which require 4 - 8 years of investment to complete construction
- Supports the proposed 10-year Capital Improvement Program (CIP) to fix deteriorating assets while ensuring infrastructure meet the projected 50% growth in population and employment over the next 50 years.

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Benefits of a 10-Year Funding Plan

Sewer:

- Ensures that there are ample funds for completion of the Consent Decree and would provide confidence to regulators of DWM's financial ability to complete the CD
- Allows for completion of all required Consent Decree (CD) trunk sewers at the current estimated cost of over \$450M.
 - These upgrades will allow for expanded development in the Snapfinger basin.
 - This also allows for completion of a higher capacity influent pump station at the Snapfinger plant to handle additional flows received from the upgraded trunk sewers and replace an undersized and outdated pump station.

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Benefits of a 10-Year Funding Plan

Water:

- · Allows for completion of major renewal projects at Scott Candler WTP, the County's only water treatment plant, including new clearwells and high service pump station, eliminating single points of failure within the system
- · Allows for replacement of all high-risk, aged and failing prestressed concrete cylinder transmission mains (PCCP) which typically fail catastrophically and places large portions of DeKalb's water customer base at risk
- Allows for replacement of failing asbestos cement (AC), cast iron (CI) and polyvinyl chloride (PVC) small diameter mains which are breaking at an increasing rate as the mains reach the end of their useful life across the County. Currently, DWM has an average of 950 water main breaks per year
- Allows for construction of the first phase of infrastructure needed to maintain adequate service to customers in middle and south DeKalb County through the installation of a new 60-inch water transmission main. This water transmission main will both reduce pressures in north DeKalb and improve pressures in middle and south DeKalb.

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Rate Increase Scenarios - CIP Summary

7% annually for 10 yrs (~\$300M/yr average spend)

Adj. Escalated Spend Totals by Bucket	2025-2029		2025-2034		% of Total
Wastewater	\$	902,007,931	\$	2,074,447,778	69
Water	\$	583,419,860	\$	912,707,794	31
TOTAL	\$	1,485,427,791	\$	2,987,155,572	

8% annually for 10 yrs (~\$325M/yr average spend)

Adj. Escalated Spend Totals by Bucket	2025-2029		2025-2034		% of Total
Wastewater	\$	905,668,879	\$	2,074,604,544	64
Water	\$	702,590,848	\$	1,156,660,165	36
TOTAL	\$	1,608,259,726	\$	3,231,264,709	

10% annually for 10 yrs (~\$427M/yr average spend)

Adj. Escalated Spend Totals by Bucket	2025-2029		2025-2034		% of Total
Wastewater	\$	1,108,919,979	\$	2,405,844,749	56
Water	\$	664,455,326	\$	1,869,827,953	44
TOTAL	\$	1 773 375 305	ς.	4 275 672 702	

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Key Projects Included In All Scenarios

The key projects below are crucial multi-year projects that will be completed during the next 10-year period (2025-2034) if any rate increase structure of 7%, 8% or 10% annually is approved by the BOC:

- Peachtree Industrial Boulevard 36" Water Transmission Main Replacement currently scheduled for construction 2025-2026 on an emergency basis
- Scott Candler Water Treatment Plant Clearwells and High Service Pump Station currently scheduled for construction 2026-2029
- Snapfinger Influent Pump Station currently scheduled for construction 2026-2029
- Consent Decree Trunk Sewer Projects including 1st Trunk into P&C Shoal Creek Trunk
 Sewer Section 1 currently scheduled for construction 2026-2029
- 60-Inch Water Transmission Main Loop Phase A currently scheduled for construction of first phase 2030-2034 (varies in time and length completed by rate scenario)

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Key CIP Differences at 7% Annual Increase - \$300M Annual Spend

Water:

- Average \$24M/year on water main replacements (only <u>0.2%</u> of system per year)
- Does <u>not</u> include replacement of all at-risk large diameter PCCP Water Transmission Mains
- Does not include 60-Inch Water Transmission Main Phase A

Sewer:

- Average \$17M/year on small diameter (OSARP) sewer rehab (only 0.7% of system per year)
- Does <u>not</u> include replacement of Lower Crooked Creek Pump Stations

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Key CIP Differences at 8% Annual Increase - \$325M Annual Spend

Water:

- Average \$42M/year on water main replacements (<u>only 0.4%</u> of system per year)
- Includes replacement of <u>all</u> at-risk large diameter PCCP Water Transmission Mains
- Includes only 2 miles of 11 miles 60-Inch Water Transmission Main Phase A
 Sewer:
- Average \$18M/year on small diameter (OSARP) sewer rehab (only 0.8% of system per year)
- Does <u>not</u> include replacement of Lower Crooked Creek Pump Stations

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Key CIP Differences at 10% Annual Increase - \$427M Annual Spend

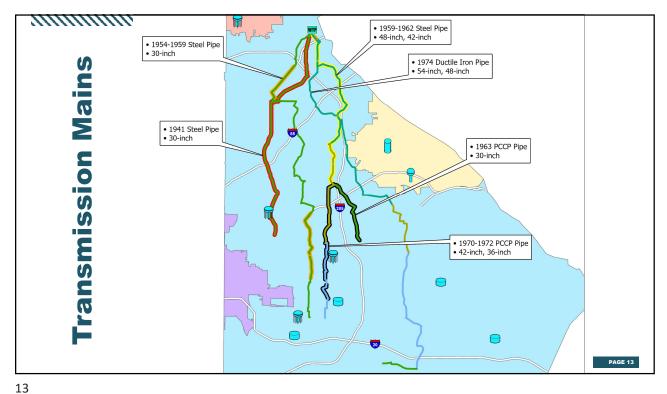
Water:

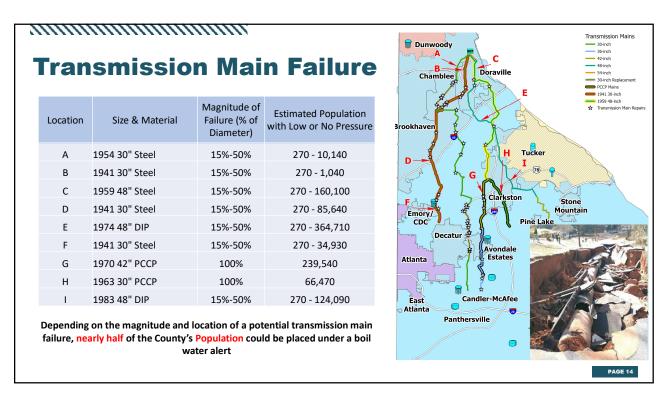
- Average \$84M/year on water main replacements (<u>1.04%</u> of system per year)
- Includes replacement of <u>all</u> at-risk large diameter PCCP Water Transmission Mains as well as other aging Transmission mains
- Includes <u>all</u> of 60-Inch Water Transmission Main Phase A
- Transmission Mains Condition Assessment & Water Valve Assessment/Repair

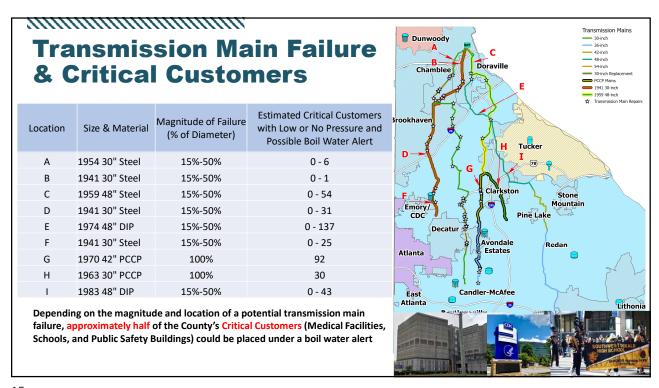
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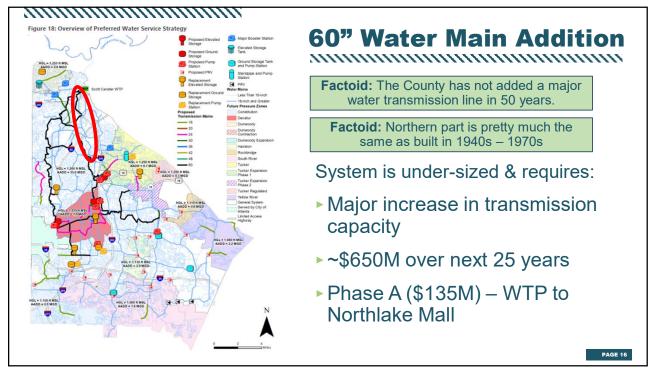
- Average \$31M/year on small diameter (OSARP) sewer rehab (1.36% of system per year)
- Includes replacement of Lower Crooked Creek Pump Stations (#2 & #3)
- \$2.15M per year in Capacity Assurance Program (CAP) matching funds for development

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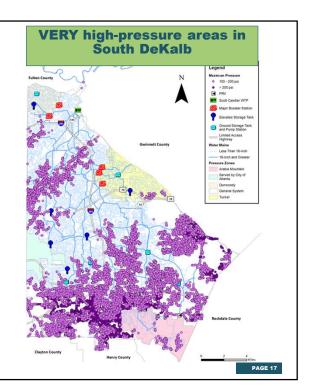






Serving South DeKalb and Fire Flows

- √ AWWA recommends the average water pressure in a typical home be between 40 and 60 PSI (Pounds per Square Inch)
- ✓ Substantial portions of the public system (not homes) are over 150 PSI (purple) and portions over 200 PSI (dark dot)
- ✓ Investment is needed to maintain and improve flows to South DeKalb
- ✓ Without investment the choice will be limit development throughout DeKalb or reduce water flows to South DeKalb
- √ The "Loop" allows for various transmission mains to be taken out of service for repairs



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1	Rate Increase Scenario	7% annually 2025-2034	8% annually 2025-2034	10% annually 2025-2034
	Average annual spend level	\$300M	\$325M	\$427M
S	Overall 10 Year CIP (escalated)	\$2,987,155,572	\$3,231,264,709	\$4,275,672,702
	WATER			
0	SCWTP Clearwells & HSPS (\$205M)	Completed in 2029	Completed in 2029	Completed in 2029
	Average annual spend on small diameter water			
<u> </u>	main replacements	\$16M	\$28M	\$71M
TO .	Average annual % of small diameter water			
Ë	system replaced	0.2%	0.4%	1.0%
	At-risk PCCP Water Transmission Mains			
U =	Replaced (Phase A, B, C, D) included?	Phase A and D	Phase A, B, C, D	Phase A, B, C, D, +
cena	Peachtree Industrial Blvd 30" Water			
	Transmission Main Replacement included?	yes	yes	yes
S	Average annual % of water system replaced in			
	total (small and large diameter)	0.25%	0.43%	1.04%
a s				
Š 3	60" Water Transmission Main Loop Phase A		Initial Phase A-1	yes, all Phase A (\$163M
<u> </u>	included?	no	(\$24M, first ~2.3 miles)	escalated total project)
a w	SEWER			
0	Septic to Sewer & CAP Projects	\$20M	\$30M	\$30M
5 D	OSARP Tiered Assess & Large Diameter			
3 =	Capacity Restoration	\$73M	\$73M	\$113M
0 7	CD Find & Fix and GSRR for OSARP Areas	\$172M	\$178M	\$314M
	Average annual spend on small diameter sewer			
	rehabilitation	\$17M	\$18M	\$31M
	% of sewer system rehabbed annually	0.74%	0.78%	1.36%
(1)	Lower Crooked Creek Wastewater PS's			
T .	Replacement included? (\$42M escalated)	no	no	yes
at	Gwinnett Redirect (per IGA due end 2026)	Completed 2031-33	Completed 2031-33	Completed 2031-33
NV N	Trunk Sewers (\$450M)	Completed thru 2037	Completed thru 2037	Completed thru 2037
02	Snapfinger AWTP Influent Pump Station			
	(\$211M)	Completed in 2029	Completed in 2029	Completed in 2029

Service Levels by Scenario					
Item	427 \$M/yr	325 \$M/yr	300 \$M/yr		
Water Plant and Controls	$\overline{\mathbf{A}}$	$\overline{\mathbf{Q}}$	$\overline{\mathbf{V}}$		
Completing the Consent Decree	$\overline{\mathbf{V}}$	$\overline{\checkmark}$	$\overline{\mathbf{V}}$		
Non-MCD Sewer Coll. System (OSARP) rehab annually	1.3%	0.8%	0.7%		
Water Distribution System replacement annually	1.04%	0.4%	0.2%		
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Service Levels Grades by Scenario

Item	\$427M/yr	\$325M/yr	\$300M/yr
Water Plant and Controls	Α	Α	Α
Completing the MCD	Α	Α	Α
Non-MCD Sewer Coll. System (OSARP) rehab annually*	C+	D	D-
Water Distribution System replacement annually	С	D	F

^{*}Overall Sewer System is rated B (1/3 PASARP Grade A, 2/3 OSARP Grade C+) at \$412M/Yr

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Recommendation Summary

- 1. <u>Meet Bond Resolution Requirements:</u> rate increases are needed to meet minimum requirements required by the Master Bond Resolution.
- 2. <u>Maintain Financial Stability:</u> financially stable utilities establish and meet financial metrics.
- 3. <u>Maintain Bond Ratings:</u> the lack of rate increases in 2023 and 2024 could result in negative actions from rating agencies.
- 4. <u>Fund a Portion of the Capital Program:</u> funding the capital program will require additional debt, which will require rate increases to support. The Master Bond Resolution stipulates requirements for additional Parity bonds, rate increases are needed to meet these requirements.

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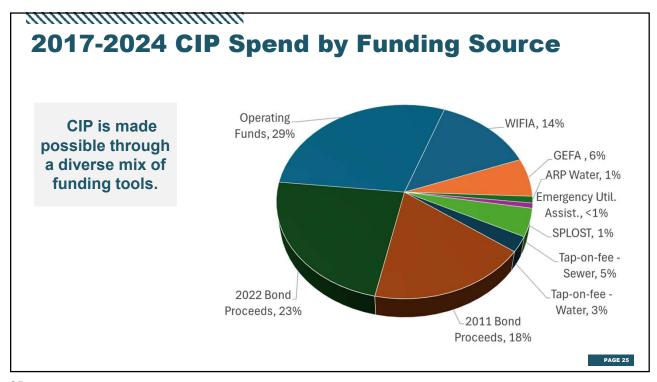
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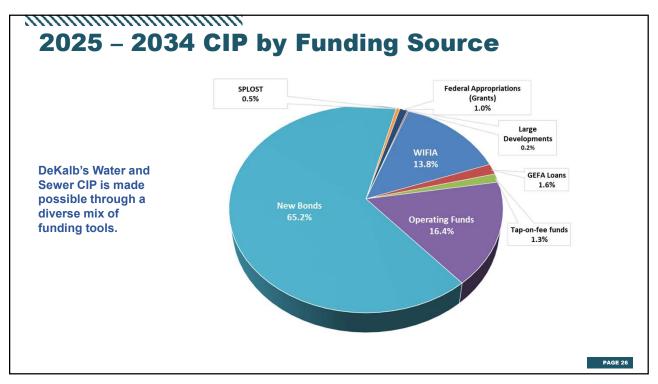
Recommendation Summary

Annual rate revenue adjustments for the next 10-years (10% per year) necessary to:

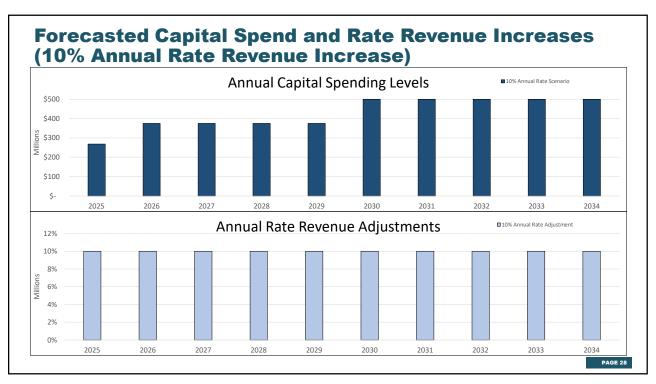
- 1. Maintain DWM's Aa2 bond rating (Moody's)
- 2. Meet Parity bond requirements for the issuance of debt to
- 3. Fund the Capital Program over the next 10-years

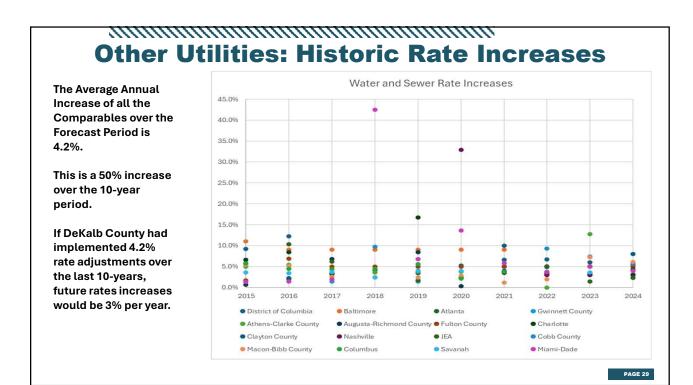
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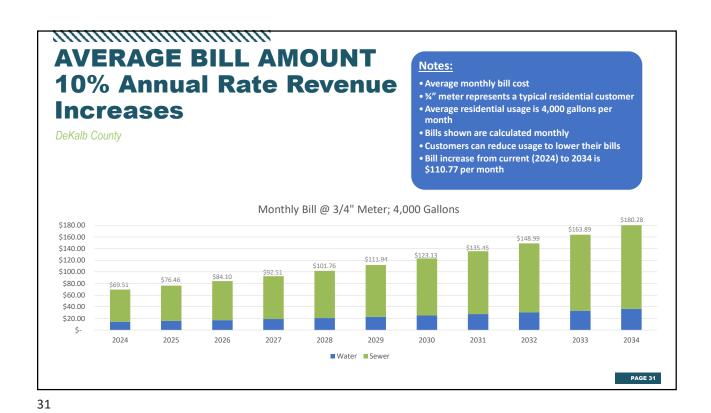


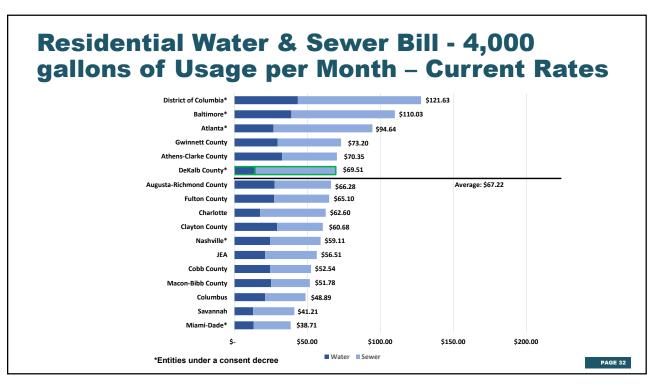


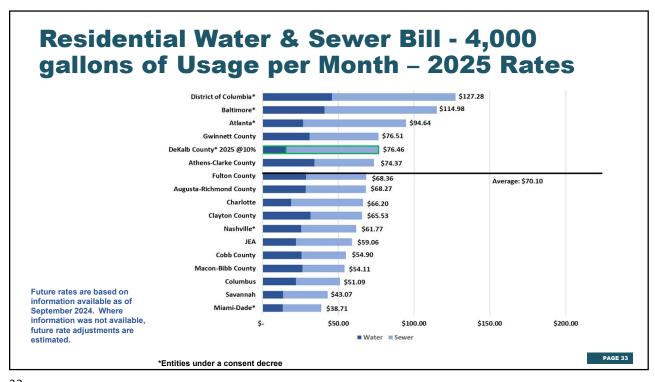


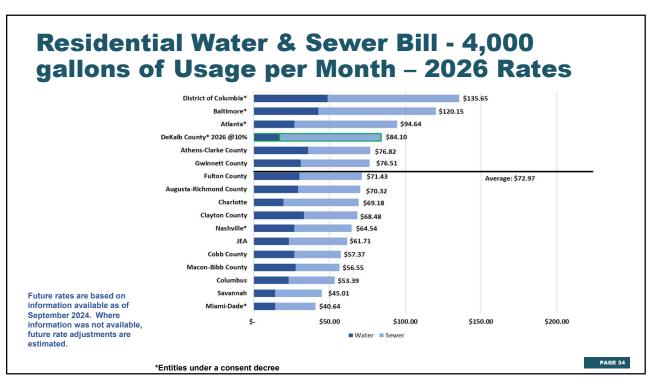


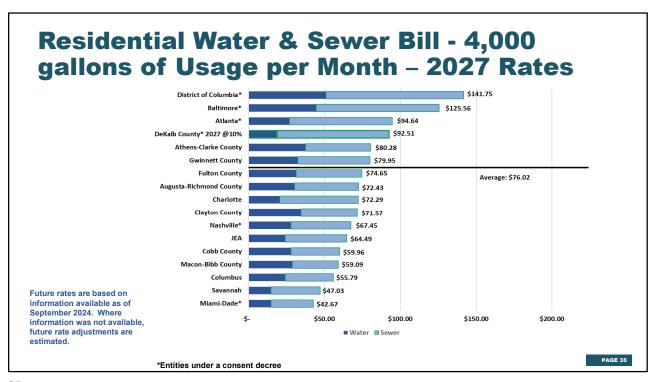


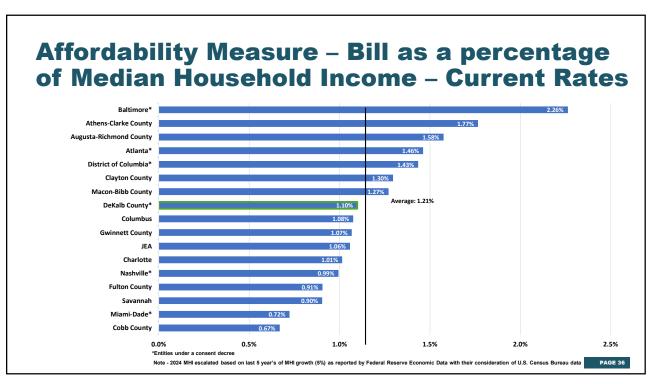


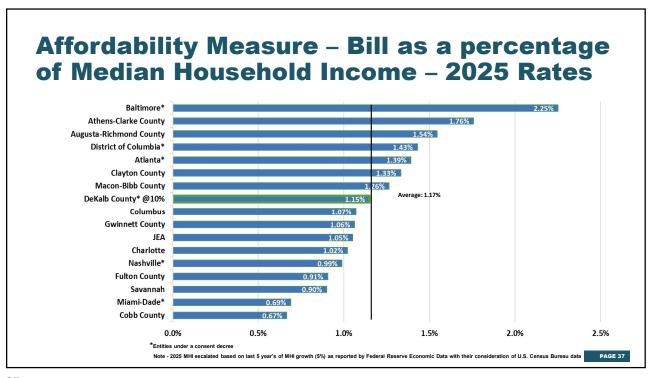


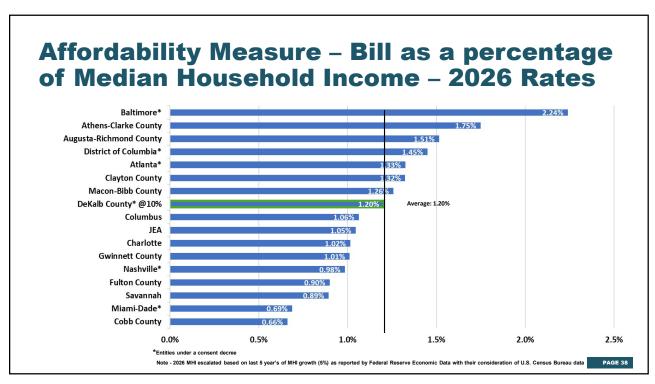


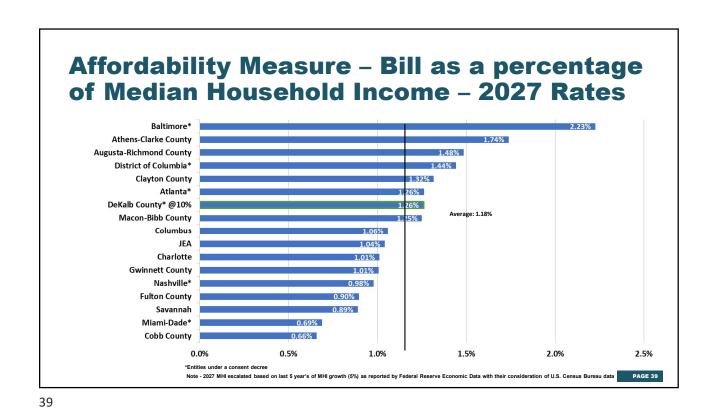












DeKalb C.A.R.E.S Customer Assistance Programs DeKalb C.A.R.E.S. DeKalb C.A.R.E.S. DeKalb C.A.R.E.S. **Customer Discount Program Extended Payment Plans Customer Assistance Fund** for income eligible residential • Up to 7 years for customers in the 2025 for those facing disconnection funded customers funded from W&S dispute process from customer donations Up to 2 years otherwise operations DeKalb C.A.R.E.S. DeKalb C.A.R.E.S. **Office of Customer Advocate Repair of Private Residential Customer Amnesty Program Independent Advocate** Infrastructure for income eligible residential funded from W&S revenues to Repair of leaks causing high usage customer funded from W&S resolve billing disputes between UCO Convert from septic tanks to sewer operations and customer Repair of sewer laterals PAGE 40



Presentations Available At:

https://www.dekalbcountyga.gov/watershed-management/2024-capital-improvement-program-cip

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