**Partnering to Protect Public Health and Safety**  Metro Council **Budget Committee** Hearing

June 19, 2017



### **Today's Reality**



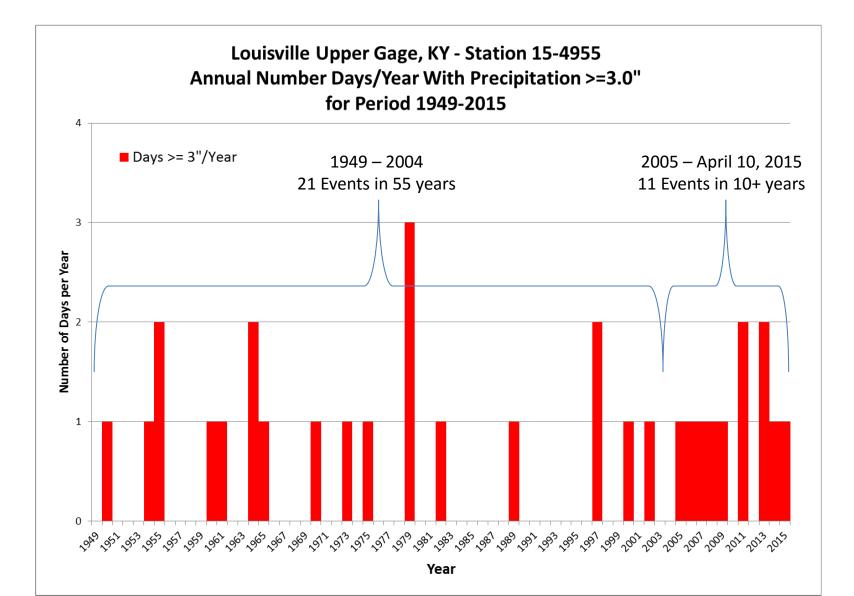


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### Sewer leak dumps up to 50,000 gallons of sewage into Beargrass Creek

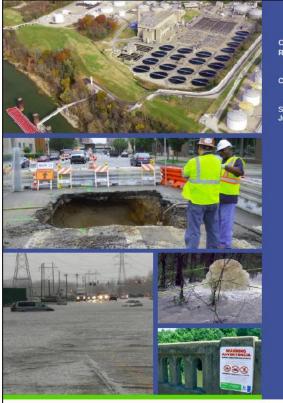
**LOUISVILLE, Ky.** —A sewer leak dumped up to 50,000 gallons of sewage into Beargrass Creek. The Metropolitan Sewer District said it had to shut down the Nightingale pump station to work on a sewer main collapse off Phillips Lane.

#### **Increased Frequency of Extreme Storms**



### Critical Repair and Reinvestment Plan Background





CRITICAL REPAIR & REINVESTMENT PLAN

**Community Conversation** 

Status Update June 1, 2017





#### MSD's Critical Repair & Reinvestment Plan Addresses Public Health and Safety Risks



Upgrade Ohio River Flood Protection Reduce Neighborhood Flooding



**Minimize Viaduct Flooding** 







Upgrade Wastewater Treatment Facilities Prevent Collapsing Sewers Cor

Comply with Consent Decree



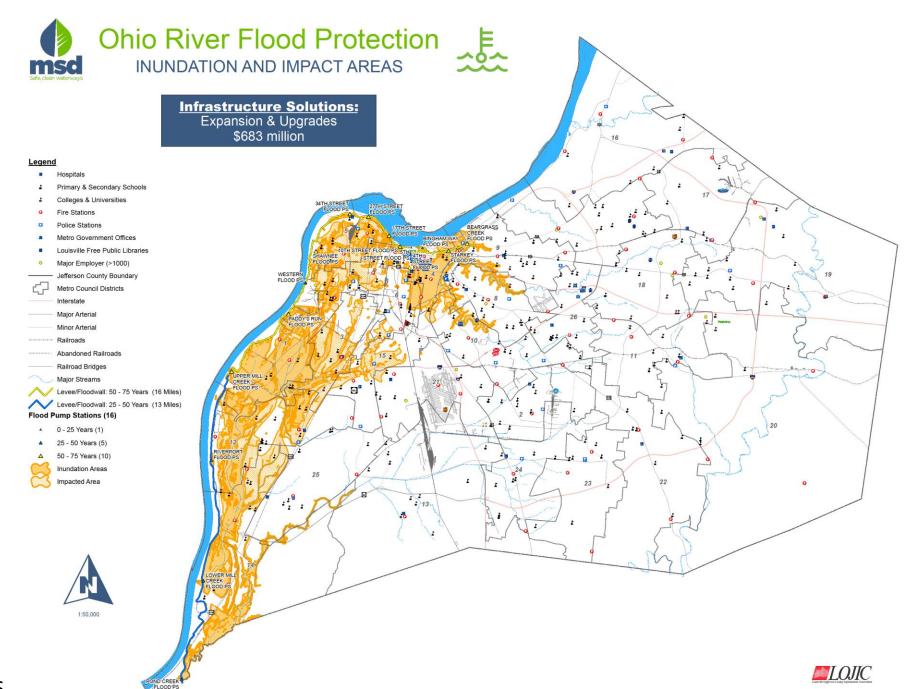
### **RISK: Ohio River flood protection**











### **Paddy's Run Flood Pumping Station**



- Constructed in 1953
- Protects

   35,000 of our
   Friends and
   Neighbors

Part of the larger system that protects **\$23.8 billion** in property



# RISK: Stormwater drainage and inland flooding



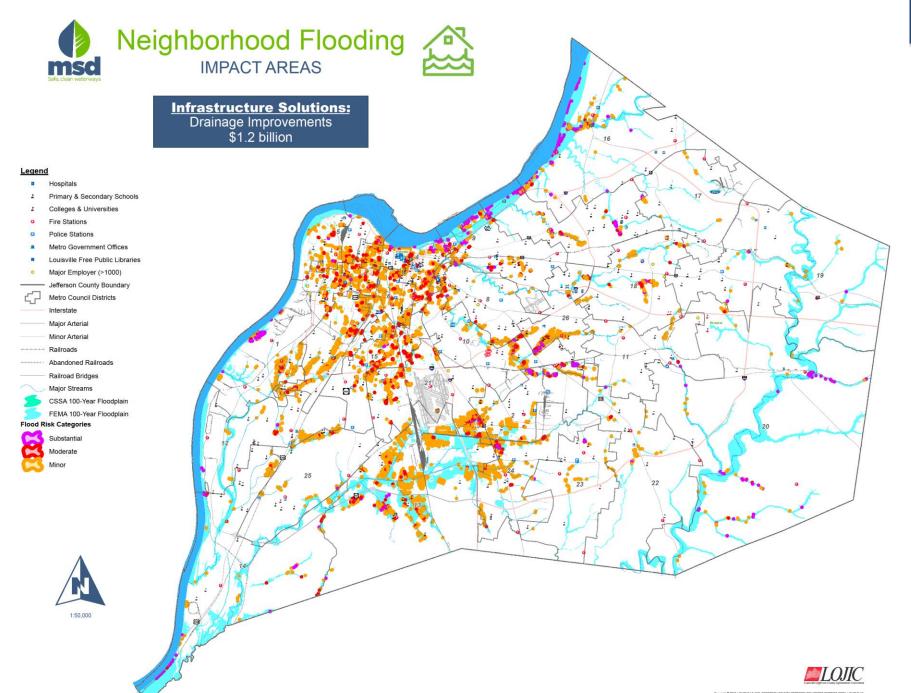
Outer Loop approaching National Turnpike

Southerland and Dunbarton









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### **RISK: Viaduct drainage challenges**

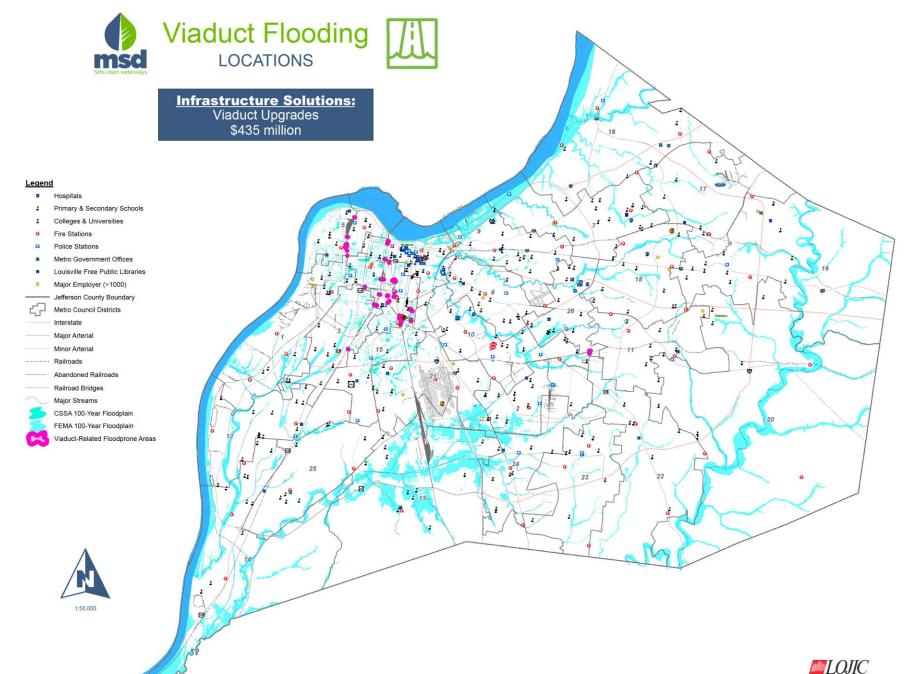
#### 3<sup>rd</sup> Street and Eastern Parkway



**Eastern Parkway and Brook** 



8

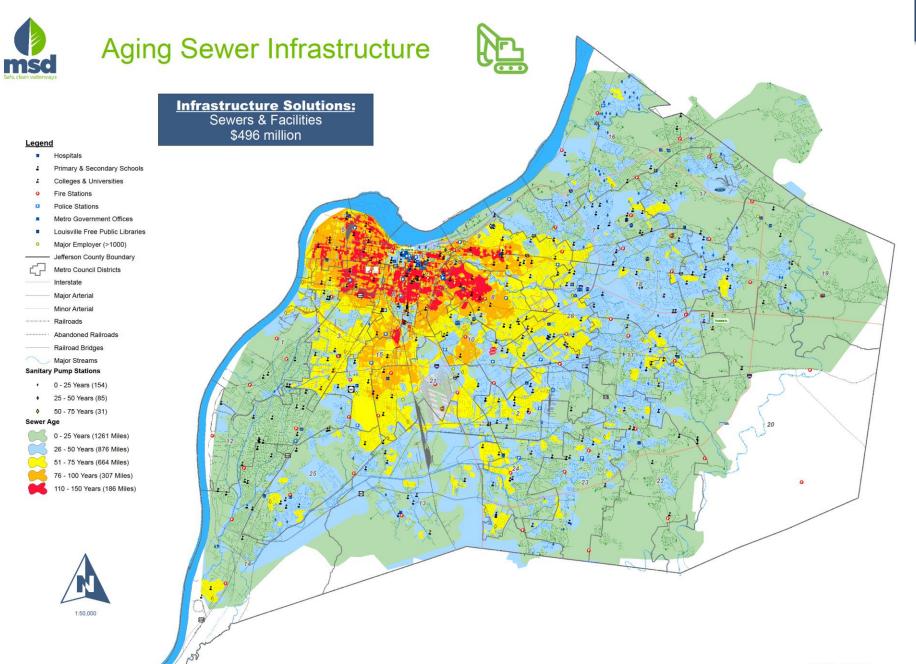


Copyrigh © 2017, LOUISVILLE AND JETFERSON COUNTY METROPOLITAN SEMER DISTRICT (MSD), LOUISVILLE WATER COMMAY LINC), LOUISVILLE METRO DOVERNMENT and JETFERSON COUNTY PROPERTY VALUATION ADMINISTRATION (IVA). AT RADAR Reserved.

### **RISK: Crumbling sewer infrastructure**





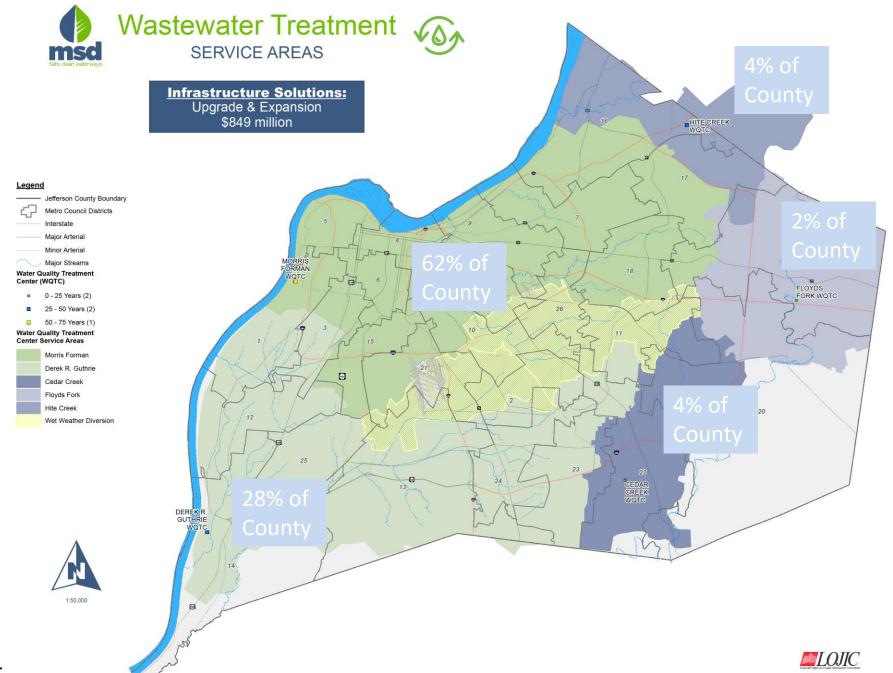




### **RISK: Wastewater treatment facilities**

### Morris Forman Water Quality Treatment Center





### **RISK: Consent Decree Obligations**







### More than \$400 million invested over the past decade



17 Typical CSOs along Beargrass Creek

#### Logan St Basin Construction



~\$500 million more necessary to reach completion by 2024



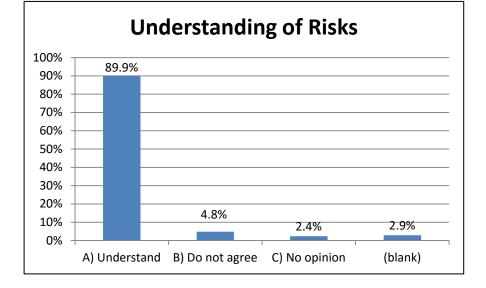
### **MSD** infrastructure solutions

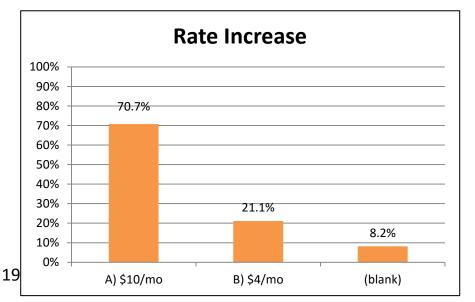


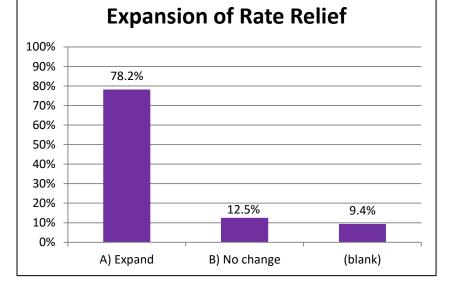
### More than two years of analysis and careful planning



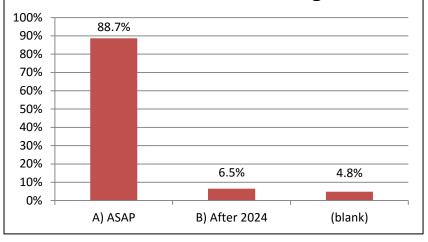
#### **Community Input Form Results**







#### **Schedule for Addressing Risks**



#### FINANCIAL ASSUMPTIONS FY 2018 BUDGET

Capital Expenses

Capital Budget \$220 million

Operating Expenses

Operating Budget \$125.6 million

#### Financial Projections

Rate increase proposed @ 20%; Revenue increase = 16.3%

- Lower Water Consumption
- Free Wastewater and Drainage Services to Metro Government
- Implementation of WRAP

New bond issue of \$175 million in August 2017



#### **METRO ORDINANCE DEBT SERVICE RATIO**

#### Section 50.24 Debt Service Adjustments

(A) Whenever the Metropolitan Sewer District's (MSD's) net revenues are less that 1.10 times the debt service on MSD's outstanding revenue bonds for any consecutive six-month period, by order of the Board of MSD, the schedule of wastewater and stormwater service charges shall be amended in order to maintain a 1.10 debt service coverage required by MSD's 1971 bond authorizing resolution provided that the aggregate of such adjustments for any 12-month period shall not generate additional revenue from wastewater service charges in excess of 7%.

(B) The term NET REVENUES is defined as gross revenue for wastewater service charges (and stormwater service charges per section 50.35) less operating expenses and debt payments other than debt service payments on MSD's outstanding revenue bonds.

	Novem	ıber 2015 - April 2016	October	2016 - March 2017
Revenue	\$	116,200	\$	125,640
Debt Payments		(7,205)		(9,009)
Operating Expenses		(57,960)		(57,807)
Net Revenue	\$	51,035	\$	58,824
Bond Principal Maturities	\$	29,800	\$	32,045
Bond Interest Expense		40,697		45,615
Net Debt Service	\$	70,497	\$	77,660
Debt Service Coverage Ration	D	0.72		0.76
Dollar amounts in '000				



### Engineering CIP – Board Approved Scenario

ENG CIP - ~\$10/mo in FY18	FY18	FY19	FY20	FY21	FY22	FY18-FY22
Wastewater	\$185.8-M	\$220.1-M	\$180.3-M	\$123.3-M	\$113.1-M	\$822.6-M
СМОМ	\$34.8-M	\$47.5-M	\$52.1-M	\$66.4-M	\$90.5-M	\$291.3-M
Consent Decree (IOAP)	\$128.9-M	\$153.6-M	\$96.5-M	\$32.9-M	\$8.0-M	\$420.0-M
Development	\$2.1-M	\$5.1-M	\$8.0-M	\$3.1-M	\$6.2-M	\$24.5-M
NMC	\$20.0-M	\$13.9-M	\$23.6-M	\$21.0-M	\$8.4-M	\$86.9-M
Stormwater	\$15.8-M	\$26.3-M	\$50.1-M	\$111.6-M	\$109.9-M	\$313.8-M
Drainage	\$3.4-M	\$13.1-M	\$25.8-M	\$54.2-M	\$67.7-M	\$164.2-M
Floodplain Management	\$3.4-M	\$3.0-M	\$4.0-M	\$4.0-M	\$4.0-M	\$18.4-M
Ohio River Flood Protection	\$6.8-M	\$9.0-M	\$18.6-M	\$51.7-M	\$35.5-M	\$121.5-M
Stormwater Quality (MS4)	\$2.3-M	\$1.3-M	\$1.8-M	\$1.7-M	\$2.7-M	\$9.7-M
Support Systems	\$18.4-M	\$8.6-M	\$9.6-M	\$10.1-M	\$7.0-M	\$53.7-M
Capital Equipment	\$3.8-M	\$3.8-M	\$3.8-M	\$3.8-M	\$3.8-M	\$18.8-M
Facilities	\$13.6-M	\$4.4-M	\$5.1-M	\$5.9-M	\$2.2-M	\$31.2-M
IT	\$0.7-M	\$0.3-M	\$0.3-M	\$0.3-M	\$0.6-M	\$2.1-M
LOJIC	\$0.4-M	\$0.1-M	\$0.5-M	\$0.3-M	\$0.4-M	\$1.6-M
Grand Total	\$220.0-M	\$255.0-M	\$240.0-M	\$245.0-M	\$230.0-M	\$1.19-B



FY18-FY20 Reduction in CRRP		ENG CIP	Baseline vs.	ENG CIP	Baseline vs.
Wastewater Projects	ENG CIP Baseline	~\$10/mo in FY18	~\$10/mo in FY18	~\$4/mo in FY18	~\$4/mo in FY18
СМОМ			910/mo m 110	<i>94/110111110</i>	<u>9</u> 4/110 111110
CCWQTC ASSET MGMT REHAB & REPLACE	\$900,000	\$900,000	N/C	\$500,000	-\$400,000
CCWQTC FORCEMAIN EXTENSION	\$177,000	\$177,000	N/C	\$0	-\$177,000
CCWQTC SAND FILTER REPLACEMENT	\$4,500,000	\$4,500,000	N/C	\$2,000,000	-\$2,500,000
CCWQTC SERVICE AREA INVENTORY FOR CRITICAL PS	\$300,000	\$300,000	N/C	\$0	-\$300,000
COLLECTION SYSTEM SPARE PUMP INVENTORY	\$3,000,000	\$3,000,000	N/C	\$1,300,000	-\$1,700,000
DRGWQTC SERVICE AREA INVENTORY FOR CRITICAL PUMP STATIONS	\$300,000	\$300,000	N/C	\$0	-\$300,000
FFWQTC SERVICE AREA INVENTORY FOR CRITICAL PS	\$300,000	\$300,000	N/C	\$0	-\$300,000
FY18 PMP	\$2,500,000	\$2,500,000	N/C	\$2,250,000	-\$250,000
FY18-FY22 OPERATIONS RENEWAL & REPLACEMENT	\$18,300,000	\$18,300,000	N/C	\$15,300,000	-\$3,000,000
FY19 CMOM PM ASSIST	\$225,000	\$187,500	-\$37,500	\$187,500	-\$37,500
FY19 PMP	\$2,000,000	\$2,000,000	N/C	\$1,000,000	-\$1,000,000
HCWQTC SOLIDS EXPANSION	\$6,800,000	\$6,800,000	N/C	\$1,500,000	-\$5,300,000
HITE CREEK WQTC EXPANSION	\$19,553,703	\$17,553,703	-\$2,000,000	\$3,623,703	-\$15,930,000
LAND ACQUISITION	\$2,400,000	\$2,400,000	N/C	\$1,300,000	-\$1,100,000
LEA ANN WAY PUMP STATION ELIMINATION	\$8,000,000	\$6,000,000	-\$2,000,000	\$0	-\$8,000,000
LEA ANN WY WEST REHAB QUAD 1	\$400,000	\$400,000	N/C	\$500,000	\$100,000
MAJOR INTERCEPTOR REHABILIATION	\$5,500,000	\$5,500,000	N/C	\$3,000,000	-\$2,500,000
MF COLLECTION SYSTEM BAFFLES	\$624,000	\$400,000	-\$224,000	\$0	-\$624,000
MFWQTC SERVICE AREA INVENTORY FOR CRITICAL PS	\$900,000	\$900,000	N/C	\$0	-\$900,000
MFWQTC SERVICE AREA MH AND ARV FLOODPROOFING FOR 100 YR STORM	\$136,000	\$136,000	N/C	\$0	-\$136,000
MFWQTC SERVICE AREA PS FLOODPROOF FOR 100	\$328,000	\$248,000	-\$80,000	\$0	-\$328,000
NIGHTINGALE REHAB	\$4,200,000	\$4,200,000	N/C	\$1,500,000	-\$2,700,000
SLIP LINE JTWQTC	\$1,398,000	\$1,398,000	N/C	\$0	-\$1,398,000
Development					
FLOYDS FORK ZONE B SEWERS	\$7,900,000	\$7,900,000	N/C	\$0	-\$7,900,000
FLOYDS FORK ZONE C SEWERS	\$4,000,000	\$4,000,000	N/C	\$0	-\$4,000,000
KTC GREENWOOD RD ASSESSMENT	\$525,000	\$0	-\$525,000	\$0	-\$525,000
NMC					
MF CENTRAL BUSINESS DISTRICT CSO CAMERAS	\$1,248,000	\$1,248,000	N/C	\$0	-\$1,248,000
MFWQTC DAFT REHAB & TWAS PIPING REPLC	\$1,500,000	\$1,500,000	N/C	\$0	-\$1,500,000
MFWQTC DIGESTER LIDS & MIXERS	\$4,500,000	\$4,500,000	N/C	\$0	-\$4,500,000
MFWQTC EQUIPMENT RENEWAL AND REPLACEMENT	\$25,500,000	\$15,000,000	-\$10,500,000	\$900,000	-\$24,600,000
MFWQTC SEC CLARIFIERS & RAS/WAS PUMPING	\$6,500,000	\$5,500,000	-\$1,000,000	\$0	-\$6,500,000
MFWQTC SEDIMENTATION BASIN REHAB	\$12,500,000	\$8,500,000	-\$4,000,000	\$500,000	-\$12,000,000
23		•		Safe, clean wa	terways

FY18-FY20 Reduction in CRRP		ENG CIP	Baseline vs.	ENG CIP	Baseline vs.
Stormwater Projects	ENG CIP Baseline	~\$10/mo in FY18	~\$10/mo in FY18	~\$4/mo in FY18	~\$4/mo in FY18
Drainage					
AUBURNDALE EARLY ACTION PROJECT	\$12,600,000	\$4,200,000	-\$8,400,000	\$0	-\$12,600,000
CITY OF HURSTBOURNE EARLY ACTION PROJECT	\$6,000,000	\$3,000,000	-\$3,000,000	\$0	-\$6,000,000
MASTER PLAN IMPLEMENTATION	\$6,000,000	\$5,000,000	-\$1,000,000	\$0	-\$6,000,000
NEWBURG EARLY ACTION PROJECT	\$10,250,000	\$3,000,000	-\$7,250,000	\$0	-\$10,250,000
POPE LICK EARLY ACTION PROJECT	\$6,100,000	\$1,220,000	-\$4,880,000	\$0	-\$6,100,000
PROSPECT EARLY ACTION PROJECT	\$6,000,000	\$1,500,000	-\$4,500,000	\$0	-\$6,000,000
SEATONVILLE EARLY ACTION PROJECT	\$3,400,000	\$3,400,000	N/C	\$0	-\$3,400,000
STORMWATER MASTER PLAN	\$4,000,000	\$4,000,000	N/C	\$0	-\$4,000,000
VALLEY CREEK EARLY ACTION PROJECT	\$5,540,000	\$3,000,000	-\$2,540,000	\$0	-\$5,540,000
VIA11 E BRANDEIS AVE & BROOK VIADUCT FLOOD RELIEF	\$28,043,000	\$2,000,000	-\$26,043,000	\$0	-\$28,043,000
VIA16 3RD & EASTERN PKY VIADUCT FLOOD RELIEF	\$5,808,000	\$0	-\$5,808,000	\$0	-\$5,808,000
WHISPERING HILLS EARLY ACTION PROJECT	\$2,560,000	\$2,560,000	N/C	\$0	-\$2,560,000
Floodplain Management					
FLOOD RESPONSE-BUYOUTS MITIGATION&GRANTS	\$12,000,000	\$10,000,000	-\$2,000,000	\$0	-\$12,000,000
Ohio River Flood Protection					
10TH STREET FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$1,035,000	\$0	-\$1,035,000	\$0	-\$1,035,000
17TH STREET FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$2,525,000	\$2,525,000	N/C	\$0	-\$2,525,000
34TH STREET FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$2,000,000	\$0	-\$2,000,000	\$0	-\$2,000,000
5TH STREET FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$820,000	\$0	-\$820,000	\$0	-\$820,000
ALLOCATION - ANNUAL FLOOD PUMPING STATIONS EQUIPMENT RENEWAL AND REPLACEMENT	\$3,000,000	\$3,000,000	N/C	\$2,500,000	-\$500,000
FLOODWAL & LEVEE RISK ASSESSMENT	\$750,000	\$0	-\$750,000	\$0	-\$750,000
FLOODWALL/LEVEE RPR &TOE DRAINS	\$2,250,000	\$2,250,000	N/C	\$1,500,000	-\$750,000
LEVEE &FLOODWALL REPAIR & RENEWAL LIGHT	\$1,875,000	\$1,500,000	-\$375,000	\$750,000	-\$1,125,000
PADDYS RUN FPS FULL REHAB	\$31,575,000	\$8,000,000	-\$23,575,000	\$0	-\$31,575,000
ROBERT J. STARKEY FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$4,360,000	\$2,180,000	-\$2,180,000	\$0	-\$4,360,000
WESTERN PARKWAY FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS	\$11,648,000	\$4,648,000	-\$7,000,000	\$0	-\$11,648,000
WESTERN PARKWAY FPS - RELIABILITY IMPROVEMENTS (EVALUATION REPAIRS)	\$3,334,000	\$3,334,000	N/C	\$0	-\$3,334,000
		-			

FY18-FY20 Reduction in CRRP Support Systems Projects	ENG CIP Baseline	ENG CIP ~\$10/mo in FY18	Baseline vs. ~\$10/mo in FY18	ENG CIP ~\$4/mo in FY18	Baseline vs. ~\$4/mo in FY18
Capital Equipment					
FY18 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/C	\$2,000,000	-\$1,500,000
FY19 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/C	\$1,500,000	-\$2,000,000
FY20 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/C	\$2,500,000	-\$1,000,000
SYSTEMS AUTOMATION	\$1,200,000	\$750,000	-\$450,000	\$750,000	-\$450,000
Facilities					
LOUISVILLE GREEN MAJOR MAINTENANCE	\$3,000,000	\$3,000,000	N/C	\$1,000,000	-\$2,000,000
MFWQTC ELEVATOR REPAIRS	\$400,000	\$400,000	N/C	\$0	-\$400,000
ROOF REPLACEMENTS	\$3,230,458	\$3,204,950	-\$25,508	\$3,200,000	-\$30,458

FY18-FY20 Reduction in CRRP Projects	Baseline vs. ~\$10/mo in FY18	Baseline vs. ~\$4/mo in FY18	
Wastewater	-\$7.0-M	-\$128.5-M	
Stormwater	-\$103.2-M	-\$169.7-M	
Support Systems	-\$0.5-M	-\$7.4-M	
Grand Total	-\$110.6-M	-\$305.6-M	



# 92 cents of every revenue dollar is committed to operating and debt service obligations, leaving only 8 cents for capital improvements



#### 42 cents - Operating Expenses

50 cents – Debt Service

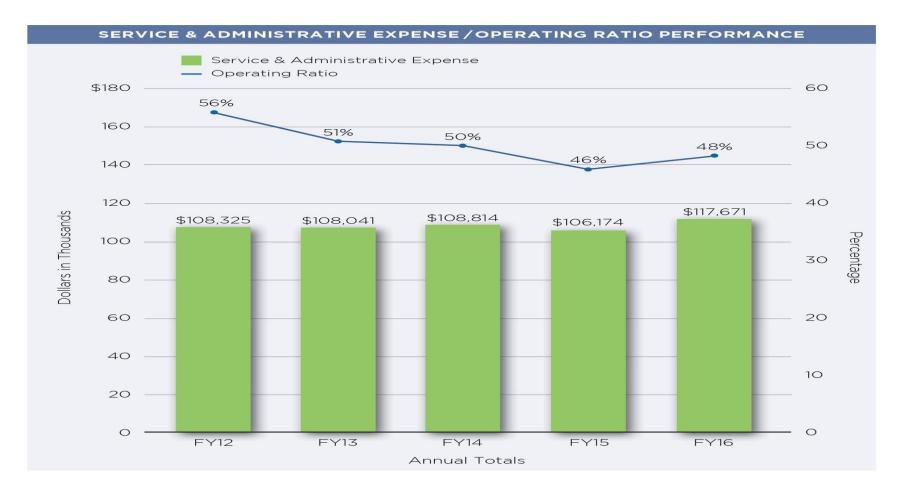
8 cents – Capital Improvements

## Interest Expense lower in 2016 than 2012 with \$355M more bonds outstanding





#### Administrative Expenses held flat for 5 years





### (WRAP) Wastewater Rate Assistance Program

#### **Need help with your MSD bill?**

MSD offers a 30 percent rate reduction for wastewater charges to qualified low-income customers.

To qualify for MSD's Wastewater Rate Assistance Program (WRAP) you must be a Louisville MSD customer with a household income that falls within 130 percent of the Federal Poverty Guidelines, see chart (right).

The program is administered through Louisville Metro Department of Community Services.

#### Make an appointment to apply

You must make an appointment to apply in person at one of these Louisville Metro Department of Community Services locations.

#### Urban Government Center

810 Barret Avenue, Room 127 Louisville, KY 40204 **502.574.1157** Monday through Thursday, 8 AM to 4 PM

#### Newburg Community Center

4810 Exeter Avenue Louisville, KY 40218 502.574.1270

Monday through Thursday, 8 AM to 4 PM

Southwest Government Center
 7219 Dixie Highway
 Louisville, KY 40272
 502.574.1272
 Monday through Thursday, 8 AM to 4 PM

Appointment by phone

Call 502.991.8391, or one of the centers listed above.

Appointment online

www.louisvilleky.caschedule.com

WRAP applicants must fall within 130 percent of Federal Poverty Guidelines— as shown below					
Number of Household Members	Gross Monthly Income				
1	\$1,287				
2	\$1,736				

\$2,184

\$2,633

\$3,081

\$3,530

\$3.980

\$4.430

3

4

5

6

Each Additional Add \$451 Person

A credit for 30 percent will be applied to your wastewater bill upon verification of eligibility by the Department of Community Services for WRAP. Upon approval for WRAP, the discount will become affective on the next billing date from Louisville Water Company, and stay in affect for 24 months. Customers must reapply for another two year period before the initial 24 months expires.



24/7/365 502.587.0603 · CustomerRelations@LouisvilleMSD.org



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#### **Application Form**

Louisville MSD Wastewater Rate Assistance Program

Head of Household Information						
Name (Head of Household)		S	SN			
Street Address		Z	ip			
Phone (area code)						
Email						
Date of Birth						
Additional Ho	usehold Membe	r Information				
Name(s)	SSN(s)	Date(s) of Birth	18 Years or Older			

#### Louisville MSD Information

Name as printed on your MSD bill

MSD Account Number

Income/Household Information					
Name	Gross Monthly Income	Income Source	Verfied By		
	Cimpolumo				
	Signature				
Head of Household			Date		
Staff			Date		

I certify that the information on this application is correct and that I have been notified of my appeal rights. I understand that the receipt of assistance from this program through misrepresentation is punishable by fine or imprisonment. I give permission to allow the agency or its funding source to verify the provided information.

### **QUESTIONS?**



#### FINANCIAL ASSUMPTIONS FY 2018 BUDGET (10%)

Capital Expenses

Capital Budget \$200 million

Operating Expenses

Operating Budget \$125.6 million

#### Financial Projections

Rate increase proposed @ 9.9%; Revenue increase = 8.1%

- Lower Water Consumption
- Free Wastewater and Drainage Services to Metro Government
- Implementation of WRAP

New bond issue of \$175 million in August 2017



#### **METRO ORDINANCE DEBT SERVICE RATIO**

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Operating Expenses		(57,960)		(57,807)
Net Revenue	\$	51,035	\$	58,824
Bond Principal Maturities	\$	29,800	\$	32,045
Bond Interest Expense		40,697		45,615
Net Debt Service	\$	70,497	\$	77,660
Debt Service Coverage Ratio		0.72		0.76
Dollar amounts in '000				



### **Engineering CIP - Alternative Scenario**

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Floodplain Management	\$1.4-M	\$1.0-M	\$2.0-M	\$2.0-M	\$2.0-M	\$8.4-M
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Support Systems	\$17.4-M	\$5.1-M	\$9.1-M	\$9.6-M	\$6.5-M	\$47.7-M
Capital Equipment	\$2.8-M	\$1.8-M	\$3.3-M	\$3.3-M	\$3.3-M	\$14.3-M
Facilities	\$13.6-M	\$2.9-M	\$5.1-M	\$5.9-M	\$2.2-M	\$29.7-M
IT	\$0.7-M	\$0.3-M	\$0.3-M	\$0.3-M	\$0.6-M	\$2.1-M
LOJIC	\$0.4-M	\$0.1-M	\$0.5-M	\$0.3-M	\$0.4-M	\$1.6-M
Grand Total	\$200.0-M	\$195.0-M	\$210.0-M	\$250.0-M	\$255.0-M	\$1.11-B



FY18-FY20 Reduction in CRRP Wastewater Projects	ENG CIP Baseline	ENG CIP ~\$10/mo in FY18	Baseline vs. ~\$10/mo in FY18	ENG CIP ~\$5/mo in FY18	Baseline vs. ~\$5/mo in FY18
СМОМ					
CCWQTC FORCEMAIN EXTENSION	\$177,000	\$177,000	N/A	\$0	-\$177,000
CCWQTC SAND FILTER REPLACEMENT	\$4,500,000	\$4,500,000	N/A	\$2,000,000	-\$2,500,000
COLLECTION SYSTEM SPARE PUMP INVENTORY	\$3,000,000	\$3,000,000	N/A	\$2,500,000	-\$500,000
FY18-FY22 OPERATIONS RENEWAL & REPLACEMENT	\$18,300,000	\$18,300,000	N/A	\$15,300,000	-\$3,000,000
FY19 CMOM PM ASSIST	\$225,000	\$187,500	-\$37,500	\$187,500	-\$37,500
FY19 PMP	\$2,000,000	\$2,000,000	N/A	\$1,500,000	-\$500,000
HCWQTC SOLIDS EXPANSION	\$6,800,000	\$6,800,000	N/A	\$800,000	-\$6,000,000
HITE CREEK WQTC EXPANSION	\$19,553,703	\$17,553,703	-\$2,000,000	\$3,623,703	-\$15,930,000
LEA ANN WAY PUMP STATION ELIMINATION	\$8,000,000	\$6,000,000	-\$2,000,000	\$0	-\$8,000,000
MF COLLECTION SYSTEM BAFFLES	\$624,000	\$400,000	-\$224,000	\$400,000	-\$224,000
MFWQTC SERVICE AREA MH AND ARV FLOODPROOFING FOR 100 YR STORM	\$136,000	\$136,000	N/A	\$0	-\$136,000
MFWQTC SERVICE AREA PS FLOODPROOF FOR 100 YR STORM	\$328,000	\$248,000	-\$80,000	\$0	-\$328,000
NIGHTINGALE REHAB	\$4,200,000	\$4,200,000	N/A	\$3,500,000	-\$700,000
Development					
FLOYDS FORK ZONE B SEWERS	\$7,900,000	\$7,900,000	N/A	\$4,000,000	-\$3,900,000
FLOYDS FORK ZONE C SEWERS	\$4,000,000	\$4,000,000	N/A	\$1,000,000	-\$3,000,000
KTC GREENWOOD RD ASSESSMENT	\$525,000	\$0	-\$525,000	\$0	-\$525,000
NMC					
MFWQTC DIGESTER LIDS & MIXERS	\$4,500,000	\$4,500,000	N/A	\$500,000	-\$4,000,000
MFWQTC EQUIPMENT RENEWAL AND REPLACEMENT IN YEAR 5	\$25,500,000	\$15,000,000	-\$10,500,000	\$7,000,000	-\$18,500,000
MFWQTC SEC CLARIFIERS & RAS/WAS PUMPING	\$6,500,000	\$5,500,000	-\$1,000,000	\$5,000,000	-\$1,500,000
MFWQTC SEDIMENTATION BASIN REHAB INCLUDI	\$12,500,000	\$8,500,000	-\$4,000,000	\$2,500,000	-\$10,000,000



FY18-FY20 Reduction in CRRP	ENG CIP Baseline	ENG CIP	Baseline vs.	ENG CIP	Baseline vs.
Stormwater Projects		~\$10/mo in FY18	~\$10/mo in FY18	~\$5/mo in FY18	~\$5/mo in FY18
Drainage					
AUBURNDALE EARLY ACTION PROJECT	\$12,600,000	\$4,200,000	-\$8,400,000	\$1,800,000	-\$10,800,000
CITY OF HURSTBOURNE EARLY ACTION PROJECT	\$6,000,000	\$3,000,000	-\$3,000,000	\$0	-\$6,000,000
MASTER PLAN IMPLEMENTATION	\$6,000,000	\$5,000,000	-\$1,000,000	\$0	-\$6,000,000
NEWBURG EARLY ACTION PROJECT	\$10,250,000	\$3,000,000	-\$7,250,000	\$0	-\$10,250,000
POPE LICK EARLY ACTION PROJECT	\$6,100,000	\$1,220,000	-\$4,880,000	\$0	-\$6,100,000
PROSPECT EARLY ACTION PROJECT	\$6,000,000	\$1,500,000	-\$4,500,000	\$1,500,000	-\$4,500,000
SEATONVILLE EARLY ACTION PROJECT	\$3,400,000	\$3,400,000	N/A	\$0	-\$3,400,000
STORMWATER MASTER PLAN	\$4,000,000	\$4,000,000	N/A	\$2,000,000	-\$2,000,000
TEN BROECK EARLY ACTION PROJECT	\$1,000,000	\$0	-\$1,000,000	\$0	-\$1,000,000
VALLEY CREEK EARLY ACTION PROJECT	\$5,540,000	\$3,000,000	-\$2,540,000	\$0	-\$5,540,000
VIA11 E BRANDEIS AVE & BROOK VIADUCT FLOOD RELIEF	\$28,043,000	\$2,000,000	-\$26,043,000	\$2,000,000	-\$26,043,000
VIA16 3RD & EASTERN PKY VIADUCT FLOOD RELIEF	\$5,808,000	\$0	-\$5,808,000	\$0	-\$5,808,000
WHISPERING HILLS EARLY ACTION PROJECT	\$2,560,000	\$2,560,000	N/A	\$0	-\$2,560,000
Floodplain Management	. , ,				.,,,
FLOOD RESPONSE-BUYOUTS MITIGATION&GRANTS	\$12,000,000	\$10,000,000	-\$2,000,000	\$4,000,000	-\$8,000,000
Ohio River Flood Protection	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , ,		, -,,
10TH STREET FLOOD PUMPING STATION TO LOS 5 -	4	4-	4	4-	4
IMPROVEMENTS / GENERATOR	\$1,035,000	\$0	-\$1,035,000	\$0	-\$1,035,000
17TH STREET FLOOD PUMPING STATION TO LOS 5 -	40 505 000	42 525 000		40	40.505.000
IMPROVEMENTS / GENERATOR	\$2,525,000	\$2,525,000	N/A	\$0	-\$2,525,000
34TH STREET FLOOD PUMPING STATION TO LOS 5 - IMPROVEMENTS / GENERATOR	\$2,000,000	\$0	-\$2,000,000	\$0	-\$2,000,000
5TH STREET FLOOD PUMPING STATION TO LOS 5 -	¢920.000	\$0	¢820.000	\$0	¢020.000
IMPROVEMENTS / GENERATOR	\$820,000	ŞU	-\$820,000	ŞU	-\$820,000
ALLOCATION - ANNUAL FLOOD PUMPING STATIONS	\$3,000,000	\$3,000,000	N/A	\$2,500,000	-\$500,000
EQUIPMENT RENEWAL AND REPLACEMENT	\$5,000,000			\$2,500,000	-3200,000
FLOODWAL & LEVEE RISK ASSESSMENT	\$750,000	\$0	-\$750,000	\$0	-\$750,000
LEVEE & FLOODWALL REPAIR & RENEWAL LIGHT	\$1,875,000	\$1,500,000	-\$375,000	\$1,500,000	-\$375,000
PADDYS RUN FPS FULL REHAB	\$31,575,000	\$8,000,000	-\$23,575,000	\$2,000,000	-\$29,575,000
ROBERT J. STARKEY FLOOD PUMPING STATION TO LOS	\$4,360,000	\$2,180,000	-\$2,180,000	\$0	-\$4,360,000
5 - IMPROVEMENTS / GENERATOR	+ .,,	+=,=00,000	+=,=00,000	+0	+ .,
WESTERN PARKWAY FLOOD PUMPING STATION TO	\$11,648,000	\$4,648,000	-\$7,000,000	\$4,648,000	-\$7,000,000
LOS 5 - IMPROVEMENTS	φ11,0 %0,000	÷ 1,0 10,000	<i>ç,</i> ,000,000	÷ 1,0 10,000	<i>ç, ,000,000</i>
WESTERN PARKWAY FPS - RELIABILITY	\$3,334,000	\$3,334,000	N/A	\$2,000,000	\$1,334,000
IMPROVEMENTS (EVALUATION REPAIRS)	IMPROVEMENTS (EVALUATION REPAIRS)				Ŷ±,337,000
34 DRAF	Г			Safe, clean wa	terways

FY18-FY20 Reduction in CRRP Support Systems Projects	ENG CIP Baseline	ENG CIP ~\$10/mo in FY18	Baseline vs. ~\$10/mo in FY18	ENG CIP ~\$5/mo in FY18	Baseline vs. ~\$5/mo in FY18
Capital Equipment					
FY18 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/A	\$2,500,000	-\$1,000,000
FY19 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/A	\$1,500,000	-\$2,000,000
FY20 VEHICLES & EQUIPMENT	\$3,500,000	\$3,500,000	N/A	\$3,000,000	-\$500,000
SYSTEMS AUTOMATION	\$1,200,000	\$750,000	-\$450,000	\$750,000	-\$450,000
Facilities					
LOUISVILLE GREEN MAJOR MAINTENANCE	\$3,000,000	\$3,000,000	N/A	\$2,000,000	-\$1,000,000
OTHER FACILITIES REPAIRS	\$2,500,000	\$2,500,000	N/A	\$2,000,000	-\$500,000
ROOF REPLACEMENTS	\$3,230,458	\$3,204,950	-\$25,508	\$3,204,950	-\$25,508

FY18-FY20 Reduction in CRRP Projects	\$10/mo vs. ~\$5/mo in FY18
Wastewater	-\$60.8-M
Stormwater	-\$44.1-M
Support Systems	-\$5-M
Grand Total	-\$110-M



# 92 cents of every revenue dollar is committed to operating and debt service obligations, leaving only 8 cents for capital improvements



#### 42 cents - Operating Expenses

50 cents – Debt Service

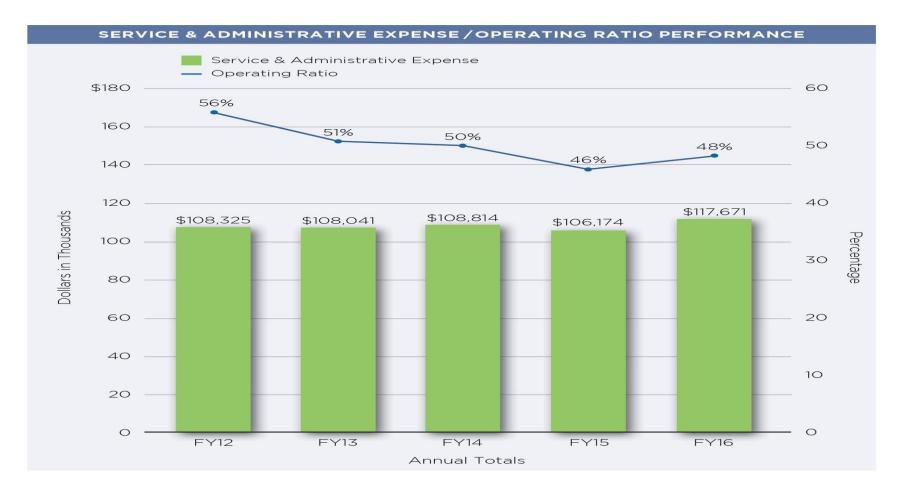
8 cents – Capital Improvements

## Interest Expense lower in 2016 than 2012 with \$355M more bonds outstanding





#### Administrative Expenses held flat for 5 years





### (WRAP) Wastewater Rate Assistance Program

#### **Need help with your MSD bill?**

MSD offers a 30 percent rate reduction for wastewater charges to qualified low-income customers.

To qualify for MSD's Wastewater Rate Assistance Program (WRAP) you must be a Louisville MSD customer with a household income that falls within 130 percent of the Federal Poverty Guidelines, see chart (right).

The program is administered through Louisville Metro Department of Community Services.

#### Make an appointment to apply

You must make an appointment to apply in person at one of these Louisville Metro Department of Community Services locations.

#### Urban Government Center

810 Barret Avenue, Room 127 Louisville, KY 40204 502.574.1157 Monday through Thursday, 8 AM to 4 PM

#### Newburg Community Center

4810 Exeter Avenue Louisville, KY 40218 502.574.1270

Monday through Thursday, 8 AM to 4 PM

Southwest Government Center
 7219 Dixie Highway
 Louisville, KY 40272
 502.574.1272
 Monday through Thursday, 8 AM to 4 PM

Appointment by phone

Call 502.991.8391, or one of the centers listed above.

Appointment online

www.louisvilleky.caschedule.com

WRAP applicants must fall within 130 percent of Federal Poverty Guidelines— as shown below				
Number of Household Members	Gross Monthly Incom <del>e</del>			
1	\$1,287			
2	\$1,736			

\$2,184

\$2,633

\$3,081

\$3,530

\$3.980

\$4.430

3

4

5

6

Each Additional Add \$451 Person

A credit for 30 percent will be applied to your wastewater bill upon verification of eligibility by the Department of Community Services for WRAP. Upon approval for WRAP, the discount will become affective on the next billing date from Louisville Water Company, and stay in affect for 24 months. Customers must reapply for another two year period before the initial 24 months expires.



24/7/365 502.587.0603 · CustomerRelations@LouisvilleMSD.org



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#### **Application Form**

Louisville MSD Wastewater Rate Assistance Program

Head of Household Information					
Name (Head of Household)			S	SN	
Street Address			Z	ip	
Phone (area code)					
Email					
Date of Birth					
A	dditional Ho	usehold Membe	r Information		
Name(s)		SSN(s)	Date(s) of Birth	18 Years or Older	

#### Louisville MSD Information

Name as printed on your MSD bill

MSD Account Number

Income/Household Information					
Name	Gross Monthly Income	Income Source	Verfied By		
	Cimpolumo				
Signature					
Head of Household			Date		
Staff			Date		

I certify that the information on this application is correct and that I have been notified of my appeal rights. I understand that the receipt of assistance from this program through misrepresentation is punishable by fine or imprisonment. I give permission to allow the agency or its funding source to verify the provided information.

### **QUESTIONS?**

