



# 2023 Municipal Inflow and Infiltration (I/I) Grant Program

Information Session



November 2023



# Agenda

**Welcome / Introductions**

**About Met Council's I/I Program**

**2023 Municipal I/I Grant Program Overview**

**Customer Portal**

**Private I/I Grant Update**

**Discussion/Questions**



# Welcome!

## **Public Inflow and Infiltration mitigation is a key capital strategy for MCES**

15+ year partnership between ES and the region's communities

Billions of gallons of clear water prevented from entering ES plants

\$100s of millions of prevented capital expansion since we do not have to treat clear water

Significant operating and debt service savings

# About Met Council's I/I Program

## INFLOW & INFILTRATION SOURCES

### PRIVATE

#### INFLOW SOURCES

- SUMP PUMP CONNECTION
- CONNECTED FOUNDATION DRAIN
- ROOF DRAIN CONNECTION
- UNCAPPED OR BROKEN SEWER CLEAN-OUT
- BREAKS, CRACKS & OPEN JOINTS IN SERVICE PIPE

#### INFILTRATION SOURCES

- ROOT INTRUSION INTO SERVICE PIPE
- BREAKS, CRACKS & OPEN JOINTS IN SERVICE PIPE

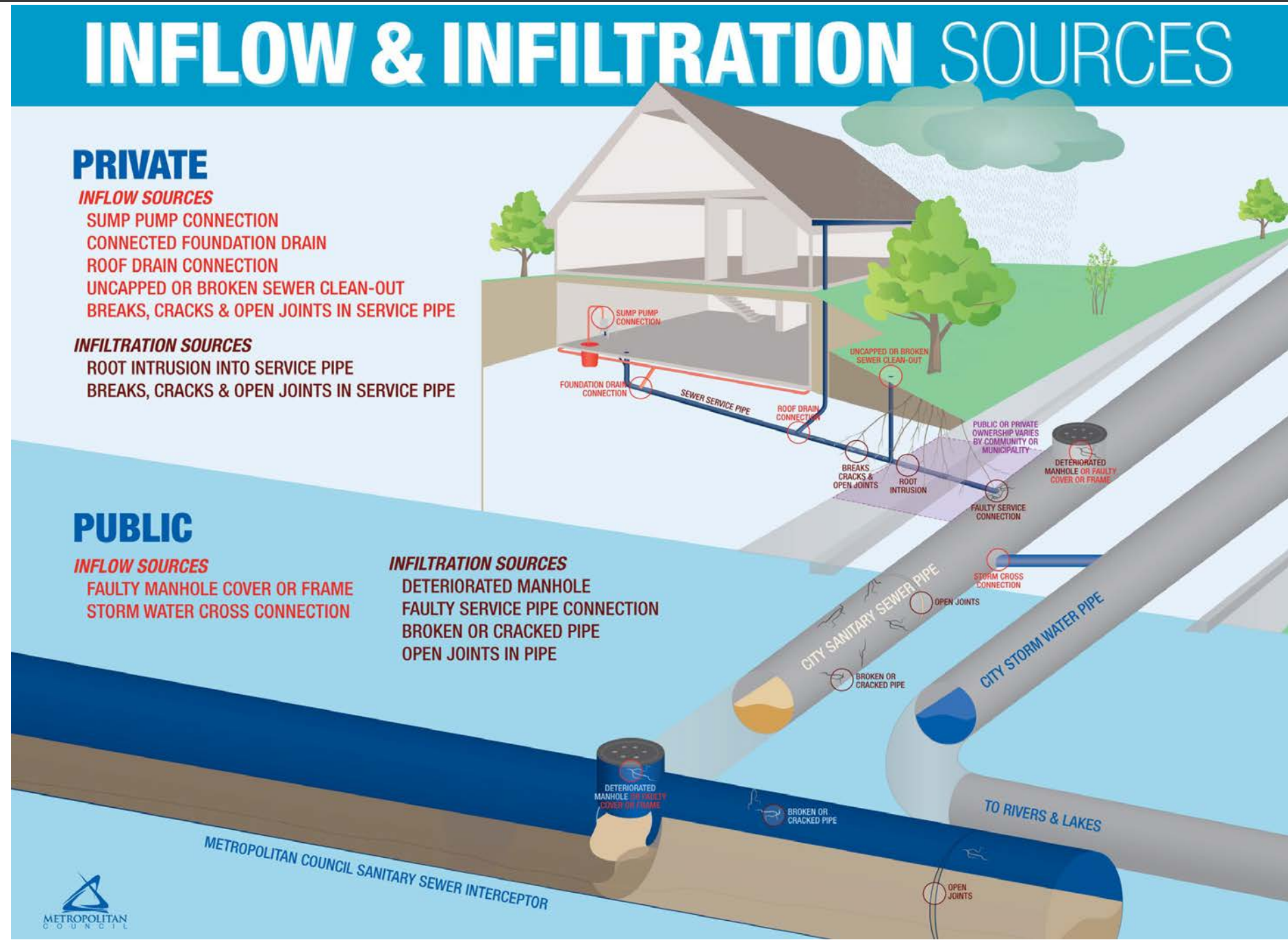
### PUBLIC

#### INFLOW SOURCES

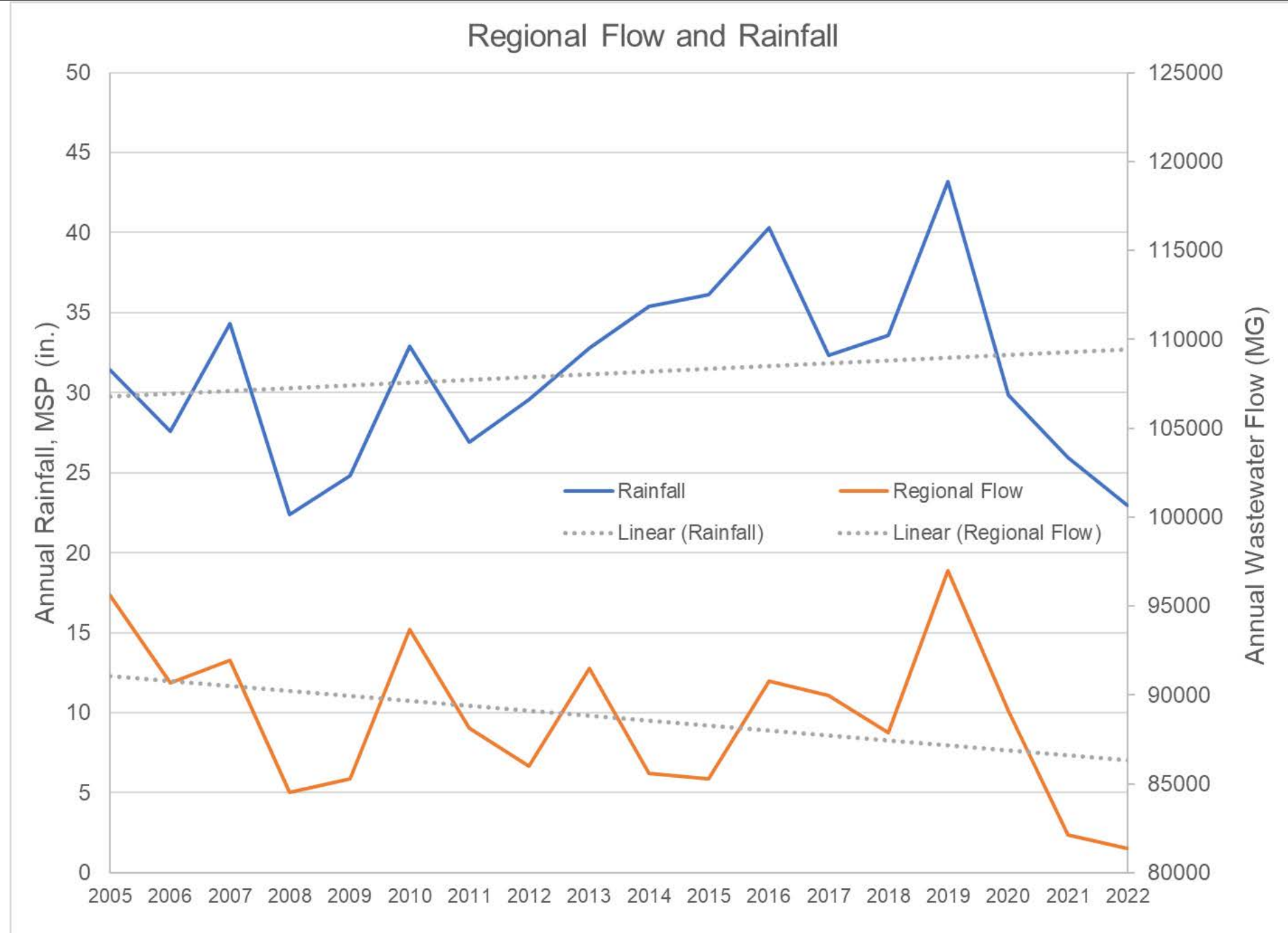
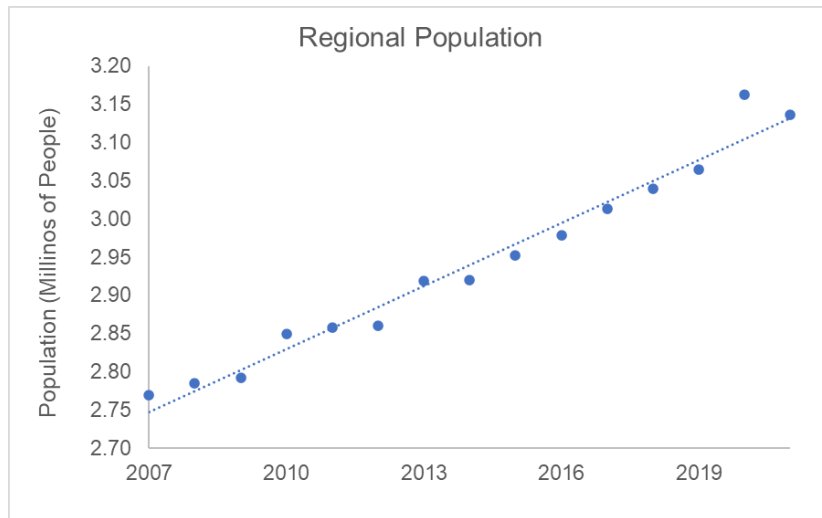
- FAULTY MANHOLE COVER OR FRAME
- STORM WATER CROSS CONNECTION

#### INFILTRATION SOURCES

- DETERIORATED MANHOLE
- FAULTY SERVICE PIPE CONNECTION
- BROKEN OR CRACKED PIPE
- OPEN JOINTS IN PIPE



# About Met Council's I/I Program





# About Met Council's I/I Program

## Task Force Recommendations



Mitigating I/I  
in the  
regional  
system



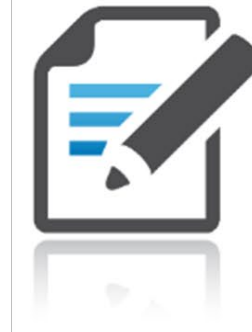
Advocating  
for public  
infrastructure  
grant funds



Developing a  
robust public  
outreach  
program

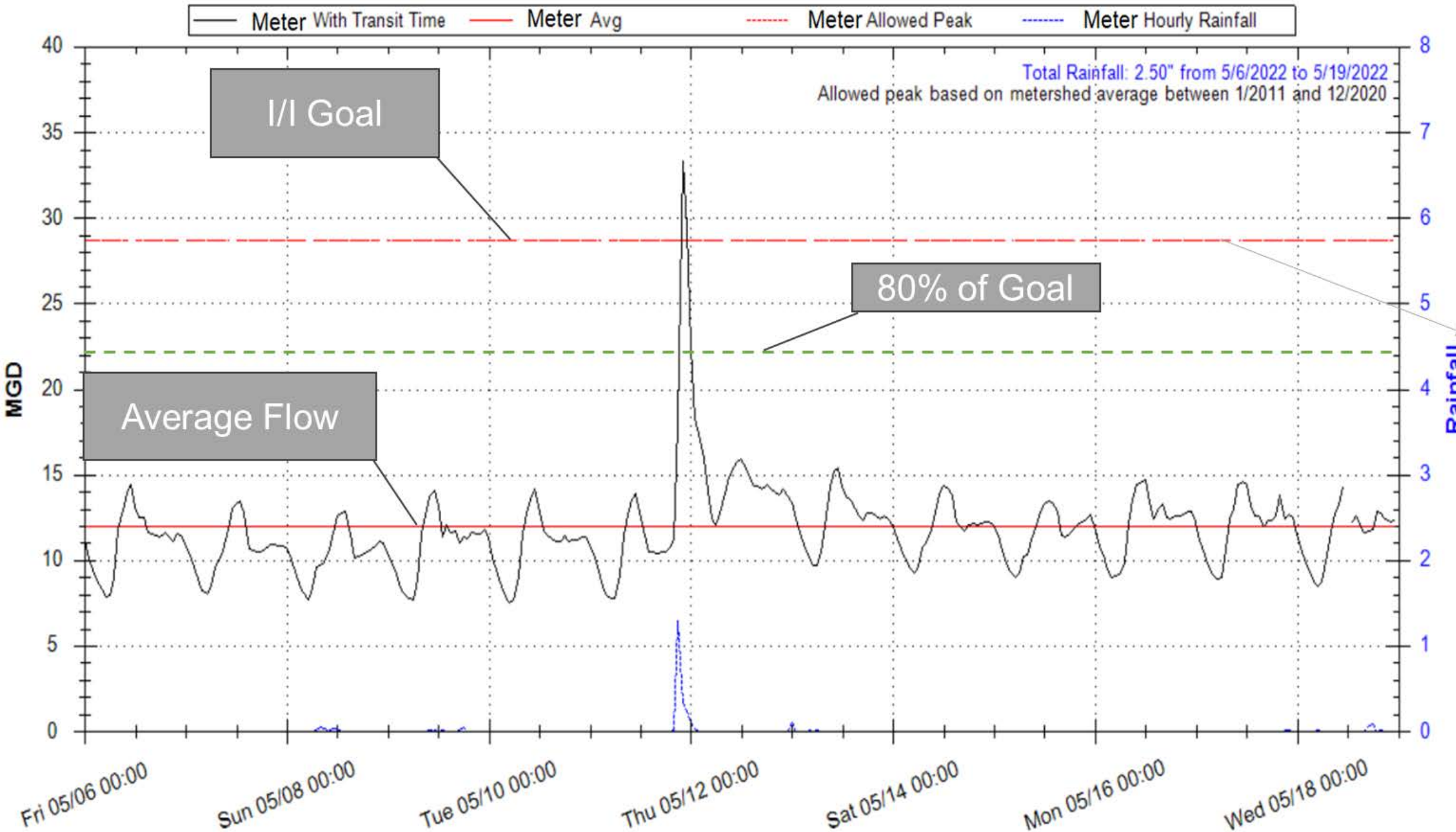


Developing  
best practices  
for private  
property  
inspections



Engaging  
stakeholders  
in the  
comprehensive  
planning process

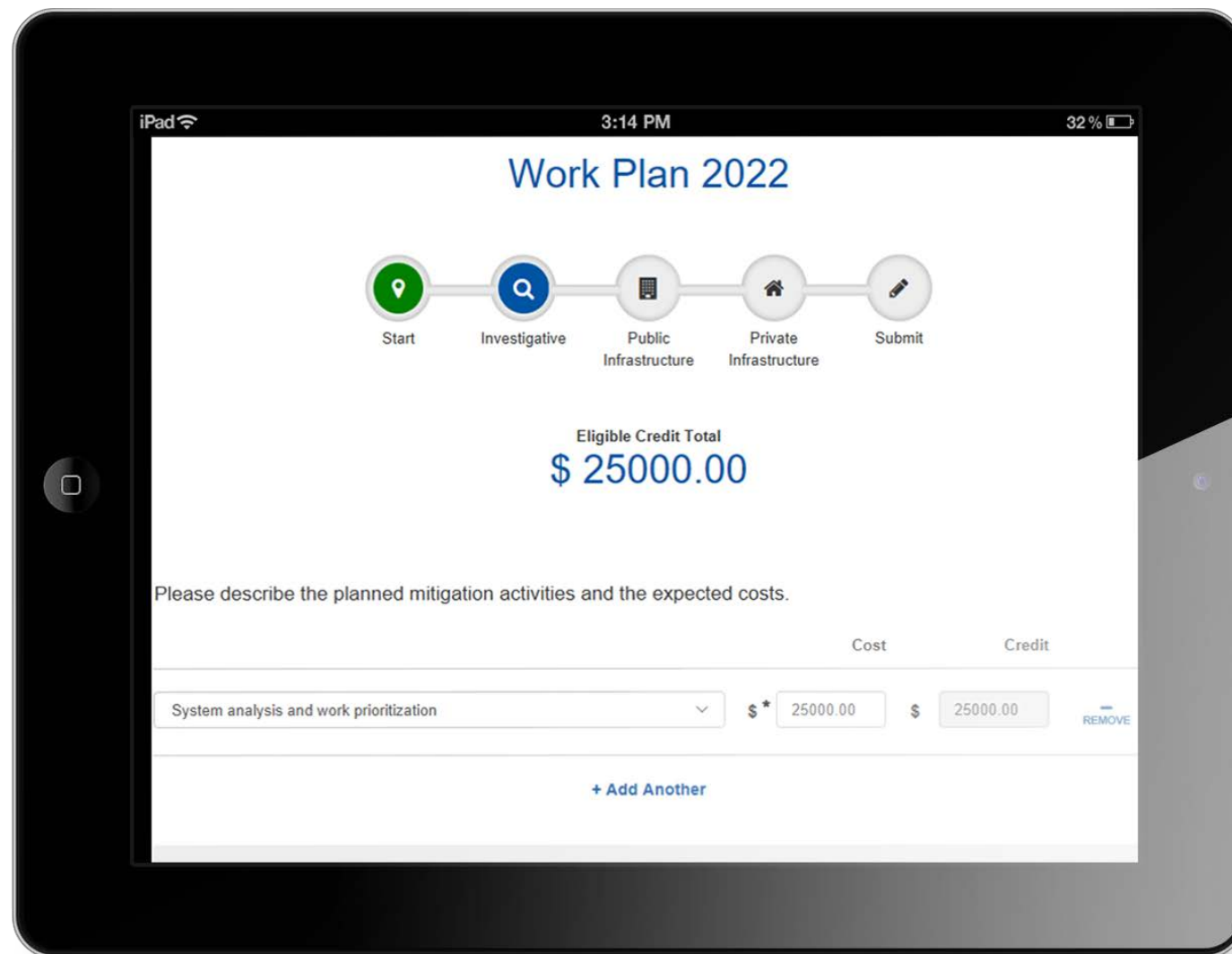
# About Met Council's I/I Program



**Table B-1: MCES Peak Hourly Flow Factor**

Average Flow (mgd)	Peaking Factor
< 0.10	4.5
0.11 – 0.20	4.4
0.21 – 0.30	4.3
0.31 – 0.40	4.2
0.41 – 0.50	4.1
0.51 – 0.60	4.0
0.61 – 0.70	3.9
0.71 – 0.80	3.8
0.81 – 1.00	3.7
1.01 – 1.20	3.6
1.21 – 1.50	3.5
1.51 – 2.00	3.4
2.01 – 2.50	3.3
2.51 – 3.00	3.2
3.01 – 3.50	3.1
3.51 – 4.00	3.0
4.01 – 4.50	2.9
4.51 – 5.00	2.8
5.01 – 6.00	2.7
6.01 – 8.00	2.6
8.01 – 10.00	2.5
10.01 – 12.00	2.4
12.01 – 16.00	2.3
16.01 – 20.00	2.2
20.01 – 30.00	2.1
> 30.00	2.0

# About Met Council's I/I Program



**Submit I/I program information, including work plans and credits, to track I/I work and keep a record of past expenses**

[Link to I/I Program Procedure:  
https://metro council.org/Wastewater-  
Water/Publications-And-  
Resources/WASTEWATER/Inflow-Infiltration  
/Inflow-Infiltration-Program-Procedure.aspx](https://metro council.org/Wastewater-Water/Publications-And-Resources/WASTEWATER/Inflow-Infiltration/Inflow-Infiltration-Program-Procedure.aspx)



# 2023 Public I/I Grant Program: Eligible Cities

Apple Valley

Arden Hills

Bayport

Birchwood

Blaine

Bloomington

Brooklyn Center

Brooklyn Park

Carver

Centerville

Chanhassen

Chaska

Columbia Heights

Crystal

Dayton

Deephaven

Eagan

Eden Prairie

Edina

Elko-New Market

Excelsior

Farmington

Forest Lake

Fridley

Golden Valley

Greenwood

Hastings

Hopkins

Inver Grove Heights

Lakeville

Lauderdale

Lexington

Lilydale

Lino Lakes

Little Canada

Long Lake

Mahtomedi

Maple Grove

Maple Plain

Maplewood

Medicine Lake

Medina

Mendota

Mendota Heights

Minneapolis

Minnetonka

Minnetonka Beach

Mound

Mounds View

New Brighton

New Hope

Newport

North St. Paul

Oak Park Heights

Oakdale

Orono

Osseo

Plymouth

Prior Lake

Ramsey

Robbinsdale

Rosemount

Roseville

Savage

Shoreview

Shorewood

South St. Paul

St. Anthony

St. Bonifacius

St. Louis Park

St. Paul

St. Paul Park

Stillwater

Spring Park

Tonka Bay

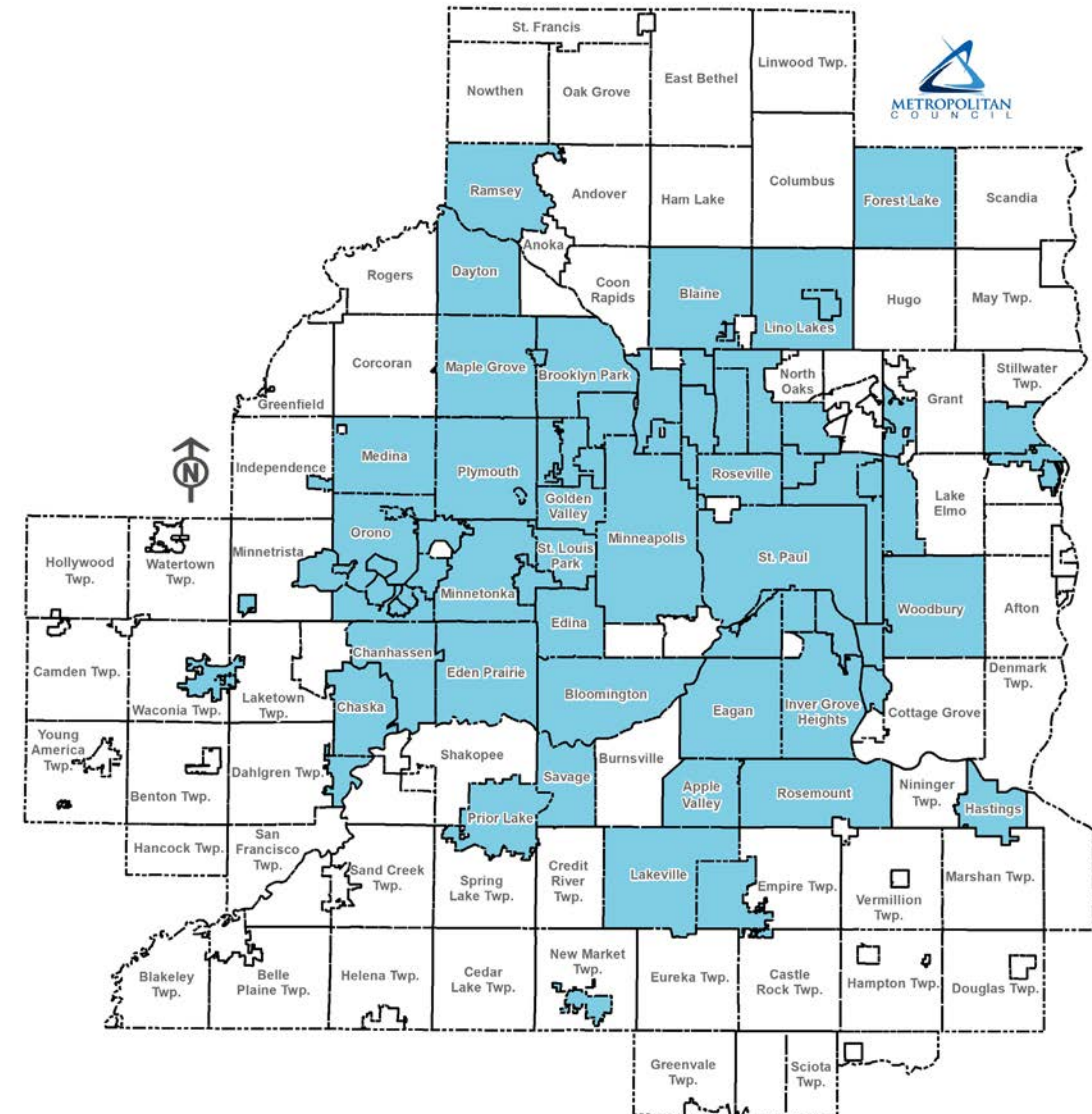
Vadnais Heights

Waconia

West St. Paul

Woodbury

Wayzata



# Public I/I Grant – State Requirements

- Funding must be used to finance publicly owned and publicly operated projects
- Must extend useful life or substantially increase value of fixed asset
- Cannot be operating or overhead expense
- [M.S.16C.285](#) responsible contractor requirements
- [M.S.16A.695](#) restricts sale, lease and management contracts
  - Included MMB Commissioner's Order

## Other Information Sources

- [MN Capital Investment and State Bonding Guide](#)
- [MMB's End Grant Agreement](#)





# Public I/I Grant – Bonding Bill Language

\$12M appropriated to Metropolitan Council to administer grants for **capital improvements that reduce I/I** into municipal wastewater collection systems

## **Cities are eligible if:**

- they have been identified as an excessive I/I contributor, or
- they have a measurable flow rate within 20% of the allowable flow limit

Grant funding is pursuant to guidelines approved by the Metropolitan Council

# Public I/I Grant – Council Guidelines

- Qualified spending between 1/1/24 and 12/31/25
- Only construction costs qualify
- Each participating city is eligible to receive:
  - Part 1: Lesser of \$50,000 or **75 to 100 percent** of eligible expenses submitted based on Net Tax Capacity per capita, plus
  - Part 2: Allocation proportional to cities' remaining eligible expenses



# Equity Pilot for 2023 Program

**The legislature and the council are committed to investing in communities with limited fiscal capacity**

- Fiscal capacity will be measured by 2021's Net Tax Capacity (NTC) per capita
  - Common property tax capacity measure across all communities
  - Used for other Council investments, such as the Council's Community Development Planning Assistance Grant Program
- Communities with a 2021 NTC per capita that is lower than 85% of the eligible communities median NTC per capita (\$1,060) will receive 100% funding on Part 1

# Part 2 Eligible and Non-Eligible I/I Work

## Eligible:

Description	% Eligible for Reimbursement
1. Pipe Lining and Replacement (Project Costs)	50%
2. Pipe Joint Sealing	100%
3. Manholes - Lining/replacement (Project Costs)	50%
4. Chimney seals, MH sealing/joints/castings/covers	100%
5. Flood Mitigation (Project Costs)	10%
6. Cross Connection Elimination (Project Costs)	100%
7. Repair or replace lateral tee, wye, or tap connections owned by municipality (not including any portion of a lateral)	100%

## Non-Eligible:

- Studies, investigations, or inspections
- Engineering costs
- Any improvements to privately owned infrastructure or private service lines



# Funding Example

## Step 1: Determine the Amount Eligible for Funding

City	Type of Work	Total Project Cost	Equity Eligible	Percent Covered	Covered Amount	Percent Eligible	Amt Eligible for Funding
City 1	1. Pipe Lining and Replacement	\$10,000,000	No	75%	\$7,500,000	50%	\$3,750,000
City 1	2. Pipe Joint Sealing	\$5,000,000	No	75%	\$3,750,000	100%	\$3,750,000
City 1	3. Manholes – Lining/Replacement	\$3,000,000	No	75%	\$2,250,000	50%	\$1,125,000
<b>City 1 Total</b>		<b>\$18,000,000</b>			<b>\$13,500,000</b>		<b>\$8,625,000</b>
City 2	1. Pipe Lining and Replacement	\$5,000,000	Yes	100%	\$5,000,000	50%	\$2,500,000
City 2	4. Chimney Seals, MH Sealing...	\$3,000,000	Yes	100%	\$3,000,000	100%	\$3,000,000
<b>City 2 Total</b>		<b>\$8,000,000</b>			<b>\$8,000,000</b>		<b>\$5,500,000</b>
City 3	3. Manholes – Lining/Replacement	\$2,000,000	No	75%	\$1,500,000	50%	\$750,000
City 3	5. Flood Mitigation	\$1,000,000	No	75%	\$750,000	10%	\$75,000
City 3	6. Cross Connection Elimination	\$1,000,000	No	75%	\$750,000	100%	\$750,000
<b>City 3 Total</b>		<b>\$4,000,000</b>			<b>\$3,000,000</b>		<b>\$1,575,000</b>
City 4	1. Pipe Lining and Replacement	\$40,000	Yes	100%	\$40,000	50%	\$20,000
City 4	3. Manholes – Lining/Replacement	\$10,000	Yes	100%	\$10,000	50%	\$5,000
City 4	7. Repair or Replace Lateral Tee...	\$20,000	Yes	100%	\$20,000	100%	\$20,000
<b>City 4 Total</b>		<b>\$70,000</b>			<b>\$70,000</b>		<b>\$45,000</b>
<b>Grand Total</b>		<b>\$30,070,000</b>			<b>\$24,570,000</b>		<b>\$15,745,000</b>

# Funding Example

## Step 2: Determine Part 1 and Part 2 Funding

City	Amt Eligible for Funding	Part 1 Funding	Remaining Eligible Balance	Part 2 Allocation %	Part 2 Funding	Final Reimbursement
City 1	\$8,625,000	\$50,000	\$8,575,000	75.9%	\$6,500,000	\$6,550,000
City 2	\$5,500,000	\$50,000	\$5,450,000	75.9%	\$4,155,000	\$4,205,000
City 3	\$1,575,000	\$50,000	\$1,525,000	75.9%	\$1,115,000	\$1,165,000
City 4	\$45,000	\$45,000	\$0	75.9%		\$45,000
<b>Total</b>	<b>\$15,745,000</b>	<b>\$195,000</b>	<b>\$15,550,000</b>		<b>\$11,805,000</b>	<b>\$12,000,000</b>

### Part 2 Allocation %

Total Grant Funding	\$12,000,000
- Part 1 Funding	-\$195,000
Remaining Funds for Part 2	\$11,805,000
Remaining Eligible Balance	\$15,550,000
<b>% Allocation for Part 2</b>	<b>75.9%</b>

- 2017 % Allocation for Part 2 was 68.5% (\$8.7M in Grant Funding)
- 2020 % Allocation for Part 2 was 22.6% (\$5M in Grant Funding)

# Tentative 2023 I/I Grant Calendar

- **2023 Public I/I Grant Information Session** November 2, 2023
- MCES presents Council with guidelines for approval December 13, 2023
- MCES submits RFP to cities By December 20, 2023
- Start Date for Eligible I/I Grant Project Work January 1, 2024
- **Grant Application due from cities** **January 26, 2024**
- MCES sends LOI notifying cities of their assigned PMA By February 29, 2024
- End Date for Eligible I/I Grant Project Work December 31, 2025
- **End Grant Materials due from cities\*** **March 31, 2026**
- MCES sends grant agreements, including FRA May 1, 2026
- MCES processes reimbursement upon receipt of signed agreement.

**MCES** – Met Council Environmental Services  
**RFP** – Request for Participation  
**LOI** – Letter of Intent

**PMA** – Preliminary Minimum Allocation  
**FRA** – Final Reimbursement Amount



# Required End Grant Materials

1. Cost Verification form *[MCES provides]*
2. A Declaration Form or Certification Form *[MCES provides]*
3. A city resolution
4. A detailed breakdown of expenditures
5. Invoices that substantiate the cost of work completed



## Link to End Grant Agreement

<https://mn.gov/mmb-stat/debt-management/Capital%20Projects/Grant-Agreements/General%20Obligation/ProgramGeneralObligationBondsProgramGrant%20AgreementEndGrant2020.pdf>

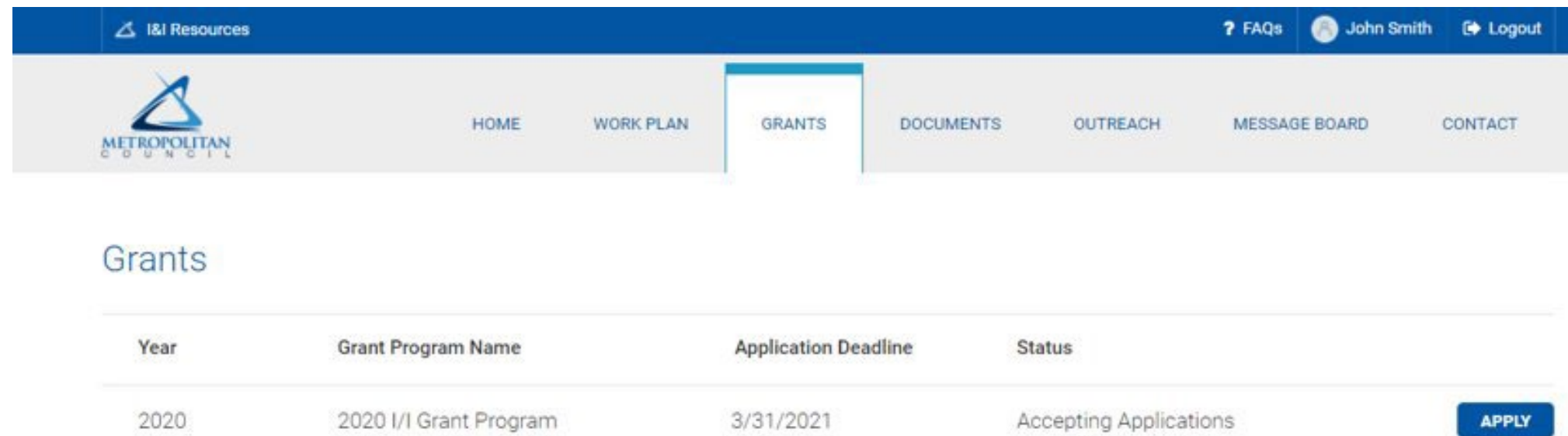
# Grant Application - Customer Portal

In late **December**, communities will be able to log-in to the ES Customer Portal to apply for the 2023 I/I Grant Program

\*Screenshots are from the 2020 I/I Grant Program – Customer Portal is currently undergoing maintenance




The screenshot shows the Metropolitan Council logo at the top left. Below it is the text "Sign In". There are two links: "Sign in" and "Create Account". A form titled "Please Sign In Here" contains two input fields: "Email" with the value "@liferay.com" and "Password". A "Forgot Password?" link is located below the password field. A blue "SIGN IN" button is at the bottom of the form.



The screenshot shows the Metropolitan Council website header with the logo and navigation menu. The "GRANTS" menu item is highlighted. Below the header is the "Grants" section with a table listing grant programs.

Year	Grant Program Name	Application Deadline	Status	
2020	2020 I/I Grant Program	3/31/2021	Accepting Applications	<a href="#">APPLY</a>

# Grant Application - Customer Portal

 [HOME](#) [WORK PLAN](#) [GRANTS](#) [DOCUMENTS](#) [OUTREACH](#) [MESSAGE BOARD](#)

[< Back to Grants](#)

## Grant Application

Grant Program Name	Year	Amount
2020 I/I Grant Program	2020	0

Eligible Work Start Date	Eligible Work End Date
01/01/2020	12/31/2020

**Estimated Project Work Description**



# Grant Application - Customer Portal

## Enter Your Estimated I&I Costs

Non-Eligible I&I Work includes studies, investigations, inspections, engineering costs, or any improvements to privately owned infrastructure.

	Project Costs		Project Costs Covered		Grant Eligible
Pipe Lining and Replacement ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 50% Grant Eligible	\$0
Pipe Joint Sealing and Chimney Seals ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 100% Grant Eligible	\$0
Manholes - Lining, replacement ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 50% Grant Eligible	\$0
Manhole Sealing joints, castings, covers ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 100% Grant Eligible	\$0
Flood Mitigation ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 10% Grant Eligible	\$0
Cross Connection Elimination ⓘ	\$ <input type="text"/>	x 50% Covered	\$0	x 100% Grant Eligible	\$0
	\$0		\$0		\$0

For any questions regarding your grant application please contact [email@metc.state.mn.us](mailto:email@metc.state.mn.us).

APPLY

# Private I/I Grant Program - Summary

- Task Force designed
- Eligible for privately owned residential property
  - State authorized - [M.S. Sec. 473.342](#)
  - Funds 50% of project up to \$5,000
  - Up to \$10,000 for equity-based project
- \$1.5 million in Metropolitan Council ES funding
  - Funding to Municipalities
    - Eligibility threshold same as public program
  - Municipalities distribute to vendors
- Resources:
  - [Private Property Inflow and Infiltration Program](#)
  - [2023 Private Property I/I Task Force Report](#)

**\*REMOTE\***  
**Information**  
**session**  
**Thursday,**  
**November 9**

# Private I/I Grant Program - Schedule

- **2023 Private I/I Grant Information Session** **November 9, 2023**
- Send notice of grant program guidelines to municipalities, requesting applications **November 20, 2023**
- Grant Applications due from cities **December 15, 2023**
- MCES notifies municipalities of grant awards **December 29, 2023**
- Start Date for Eligible I/I Grant Project work **January 1, 2024**
- Municipalities submit pay claims for completed work **Quarterly, 2024**
- End Date for Eligible I/I Grant Project work **December 31, 2024**
- MCES processes reimbursement upon receipt of signed agreement.



# Questions?

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