

# Business Item 2017-81: 2017 Green Infrastructure Pilot Grant

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Environment Committee: April 11, 2017



# Proposed Action

The Metropolitan Council approve the process for the 2017 Green Infrastructure Pilot grant described in Attachment A of the business item, and authorize staff to advertise the availability of grant funding and solicit applications for the grant.

# Overview

- Objective of Green Infrastructure Pilot Grant
- Thrive MSP 2040 Lens
- Define Regional water-related problems and one water solutions
- Illustrations of one water solutions
- Grant Details
- Solicitation and Selection Process
- Questions

# Grant Objective

Support the implementation of an approach to solve water-related problems that acknowledges the connection between wastewater, stormwater, drinking water, and groundwater and surface water.

# Thrive MSP 2040 Lens



**Sustainability**

**Livability**

**Stewardship**

**Prosperity**

**Equity**



Source: *One Water Roadmap: The Sustainable Management of Life's Most Essential Resource*.  
U.S. Water Alliance, 2016.

# Regional Water-Related Problems

- Water quantity (too much and too little)
- Water quality
- Aging and inadequate infrastructure due to climate change





# Integrated Water Solutions

Examples include...

- Diversifying and stretching water supplies
- Transforming wastewater into a resource
- Utilizing green infrastructure to manage flooding and revitalize neighborhoods
- Forging new business models
- Integrating planning across the water cycle
- Utilizing onsite water systems
- Adopting a “dig-once” approach
- Managing water to foster climate resilience
- Deploying advanced technologies to improve decision-making on all levels



Source: *One Water Roadmap: The Sustainable Management of Life's Most Essential Resource*.  
U.S. Water Alliance, 2016.

# Illustration I

## Water-Related Problems

- Flooding due extreme weather
- Insufficient infrastructure
- Urban run-off polluting waterways
- Limited aquifers

## Integrated Solutions

- Diversifying water supplies
- Utilizing green infrastructure
- Managing water to foster climate resilience





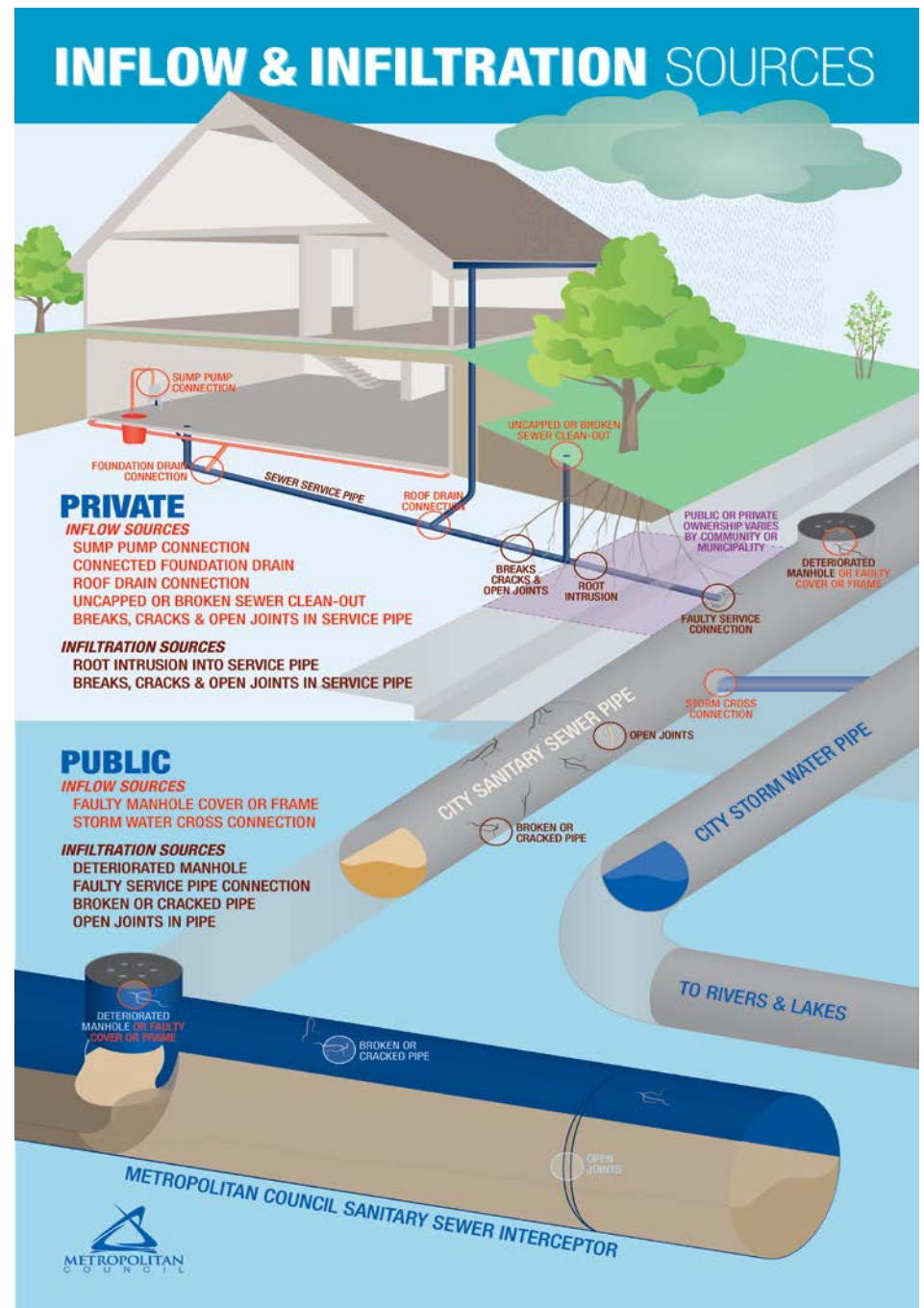
# Illustration II

## Water Related Problems

- Flooding due to extreme weather
- Aging Infrastructure

## Integrated Solutions

- Adopting a dig once approach
- Utilizing onsite water systems
- Integrated planning across water cycle
- Managing water to foster climate resilience



# Illustration III

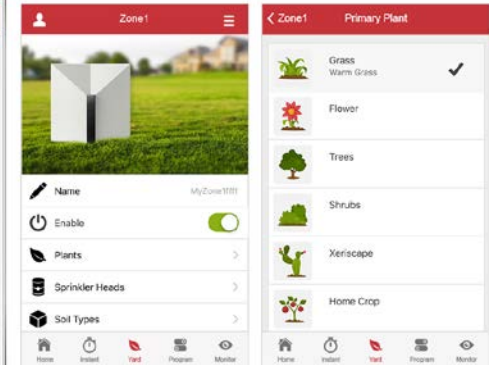
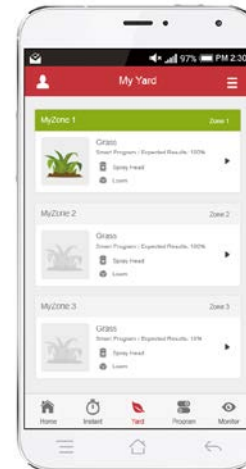
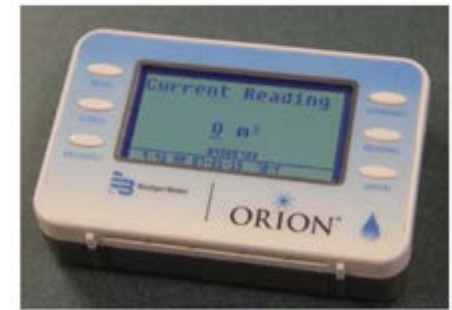
## Water-Related Problems

- High per capita water use
- High peak/average day water use



## Integrated Solutions

- Deploying advanced technologies
- Informed customers



# Grant Details

- Eligibility
  - Communities in the Twin Cities Metropolitan Area
- Proposal requirements
  - Identify and quantify at watershed level sources and causes of pollution
  - Provide a 100% match to the dollars requested
- Evaluation Criteria
  - Multiple benefits
  - Technical basis
  - Extent of impacts
  - Project timeline

# Grant Solicitation & Selection Process

- ***Timeline***

- May 2017 – June 2017 Application submittal period
- June 2017 – July 2017 Selection period
- August 2017 Environment Committee/Council approve grant recipient(s)
- September 2017 Agreement(s) execution

- ***Evaluation Panel***

One representative from each:

- Metropolitan Council Environmental Services
- Metropolitan Council Community Development
- Association of Metropolitan Municipalities (Metro Cities)
- Metropolitan area community

# Proposed Action

The Metropolitan Council approve the process for the 2017 Green Infrastructure Pilot grant described in Attachment A of the business item, and authorize staff to advertise the availability of grant funding and solicit applications for the grant.



# Questions