

Information Item:
Water Supply Planning Briefing
Implementing The Master Water Supply Plan

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Environment Committee: May 22, 2018



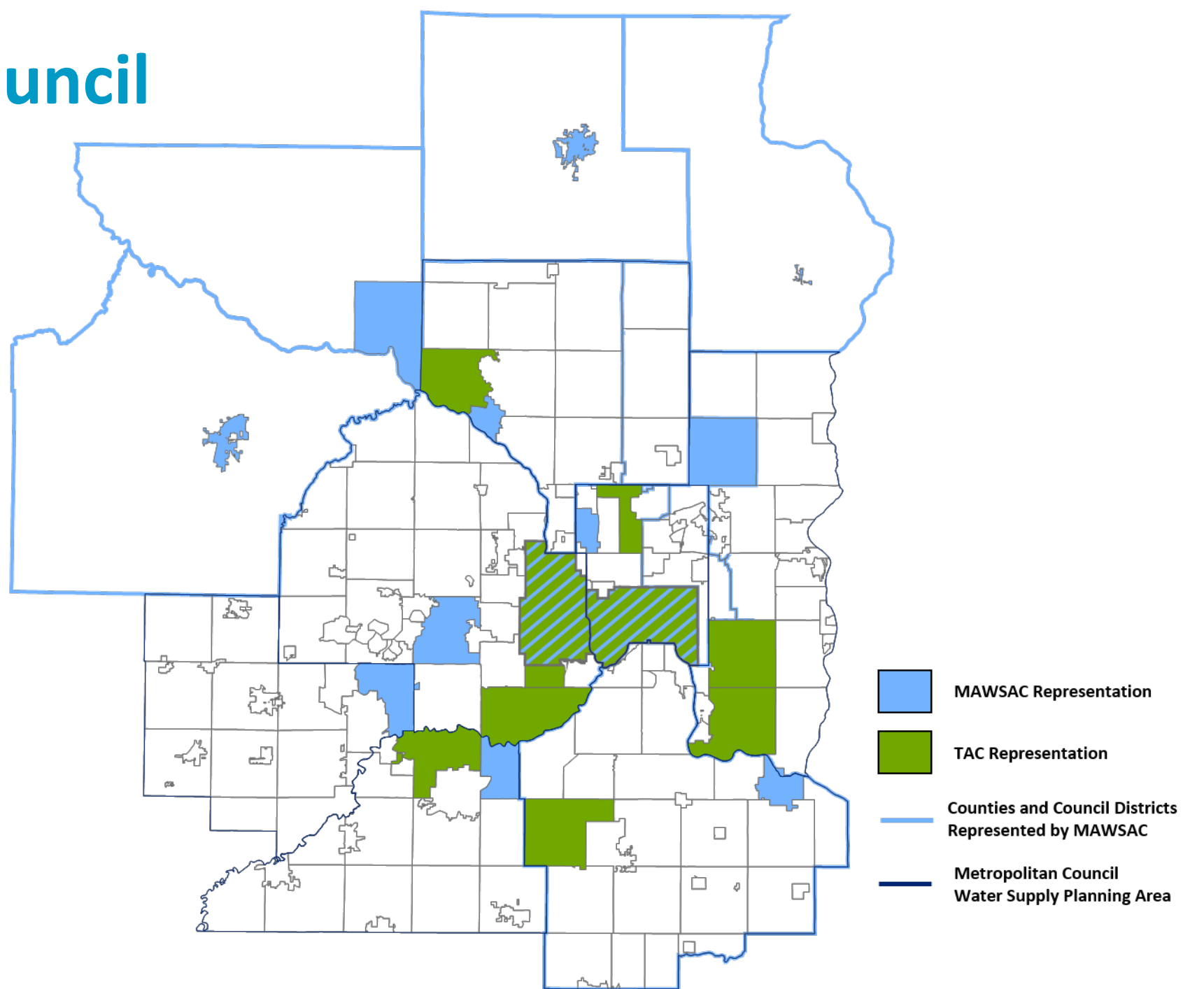
Master Water Supply Plan Sustainability Goal (2015)

The Region's Water Supply is Sustainable Now and in the Future

1. Facilitate collaboration
2. Support local plans
3. Technical support
4. Water conservation
5. Reusing stormwater and treated wastewater
6. Support regional and local investments



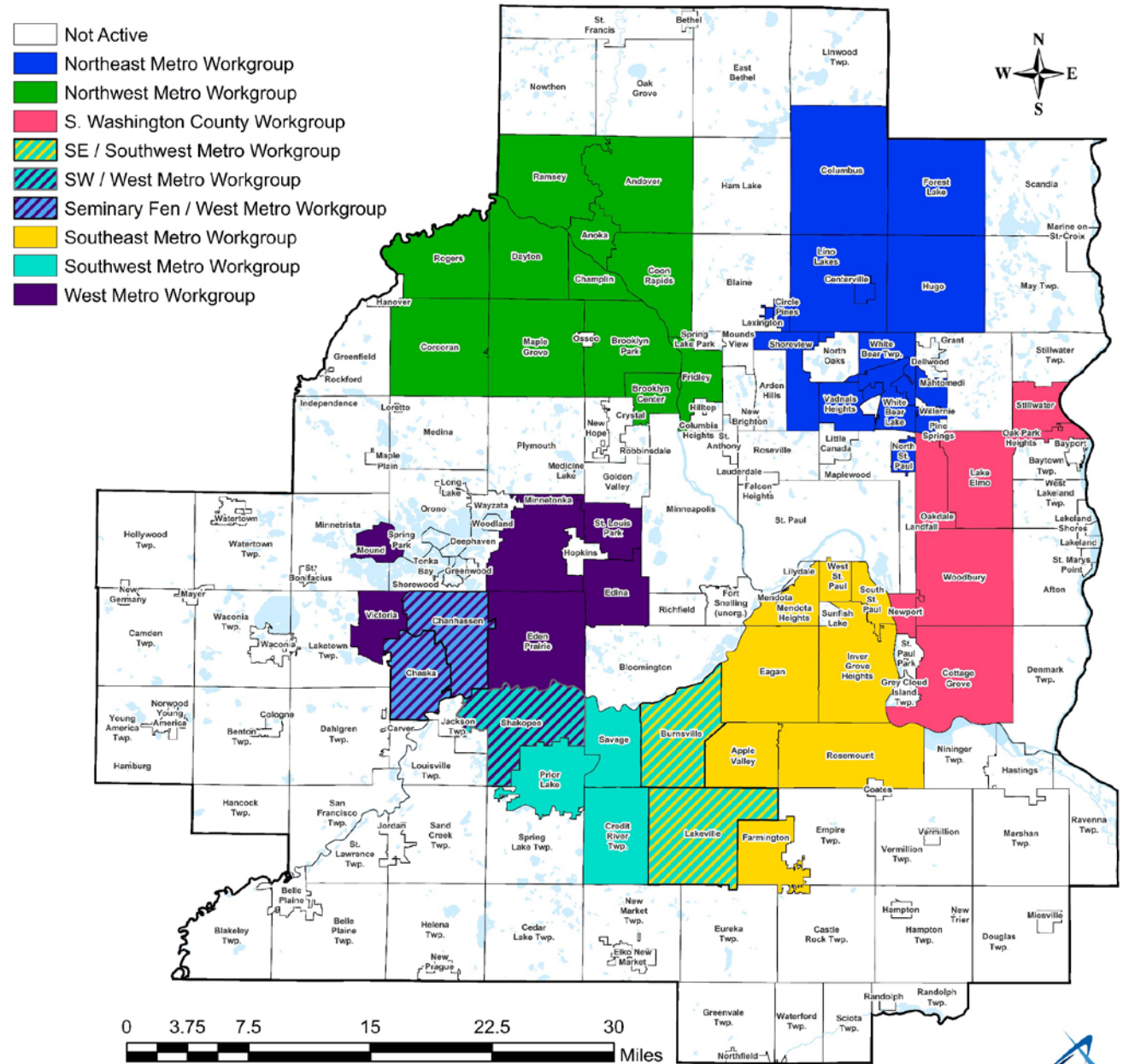
Metropolitan Council Collaboration MAWSAC and TAC



Water Supply Sub-Regional Workgroups

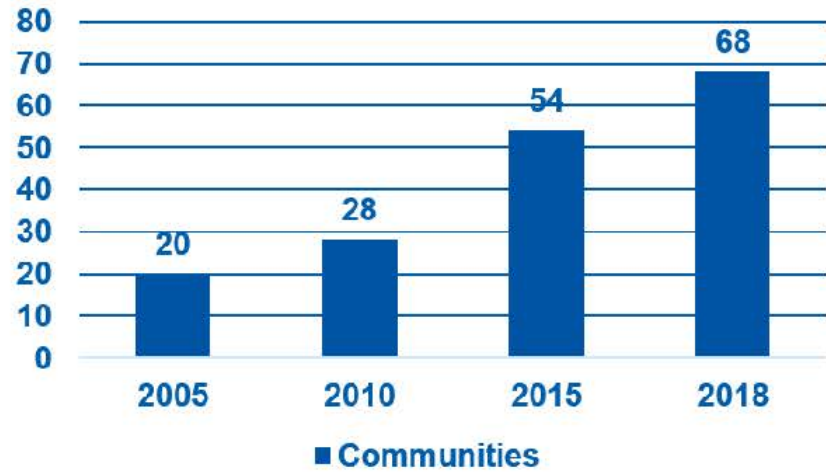
Effective Platform for Collaboration

Communities in Metro Area Water Supply Work Groups

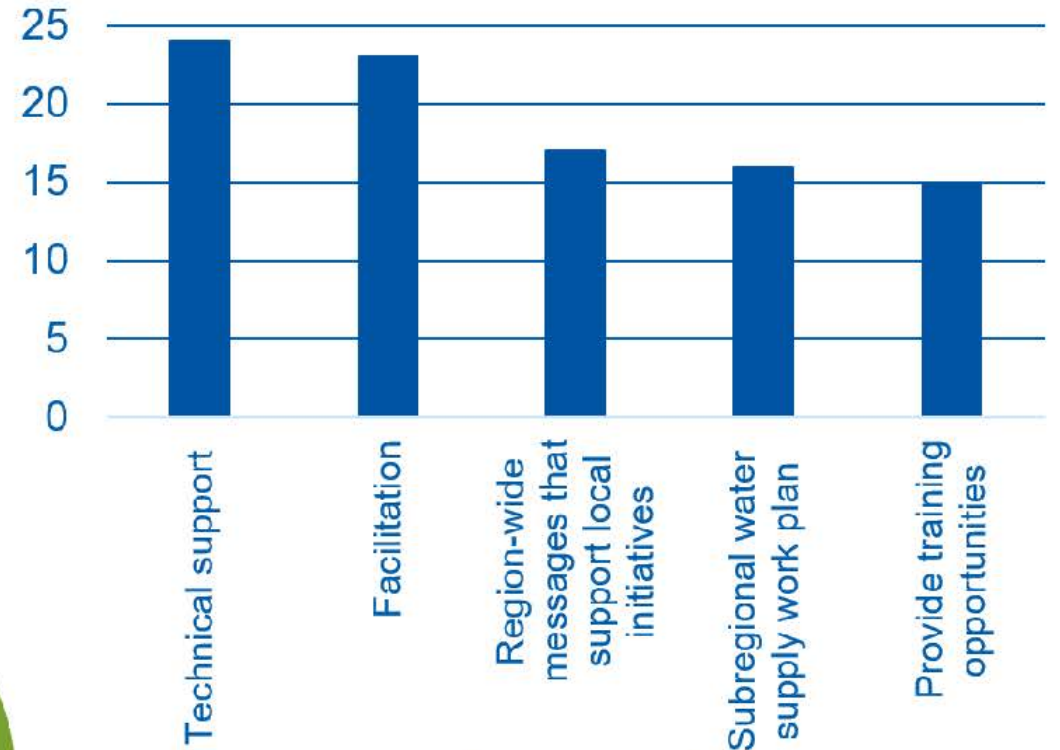


How are we Doing?

Communities



Increased participation in Subregional Groups



Metropolitan Council Support

Number of Responses



- 1: Needs Improvement
- 2: Fair
- 3: Good
- 4: Excellent

How do members evaluate experience in sub-regional water supply work group?

Efficiency of Lawn Irrigation Practices

Save Water and Money



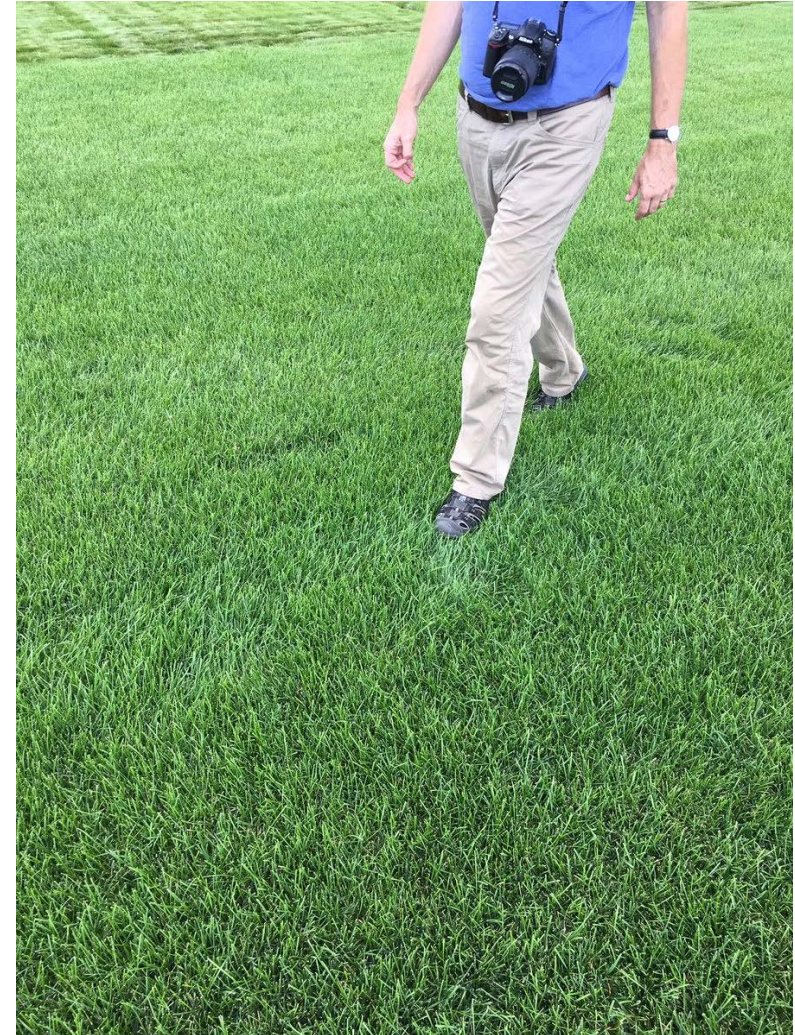
Efficiency of Lawn Irrigation Practices

Save Water and Money

0 Gallons of Water



2,700 Gallons of Water



Industrial Water Conservation Program

Effective Use of Clean Water Fund



In the Metro Area

- 15 projects since 2012
- 135 Million Gallons of Water Saved Annually
Enough water for 4,000 people for one year
- \$1.1 Million per year financial savings in water and energy costs for industries and cities
- Total Program Cost as of December 2017: \$210,000

Water Efficiency Grants Program

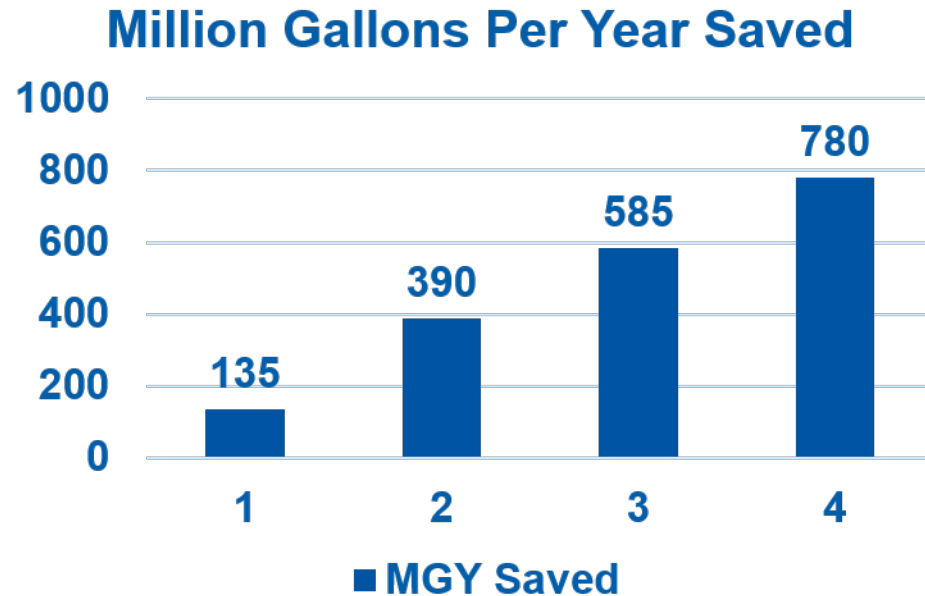
Making a Difference Locally

In the Metro Area

- 19 Recipients
- 60 Million gallons of water saved annually
Enough water for 1,750 people for one year
- Industries and cities financial savings in water and energy cost under evaluation
- Total Cost of Program 2016- 2017: \$500,000



How are we Doing?



**Cumulative Water Savings from MnTap
and Efficiency Grant**

Results of Replacing Toilets in 3 Apartment Complexes in New Brighton

- 277 Toilets Installed
- 7 Million Gallons of Water Saved
- \$ 19,000 Saved

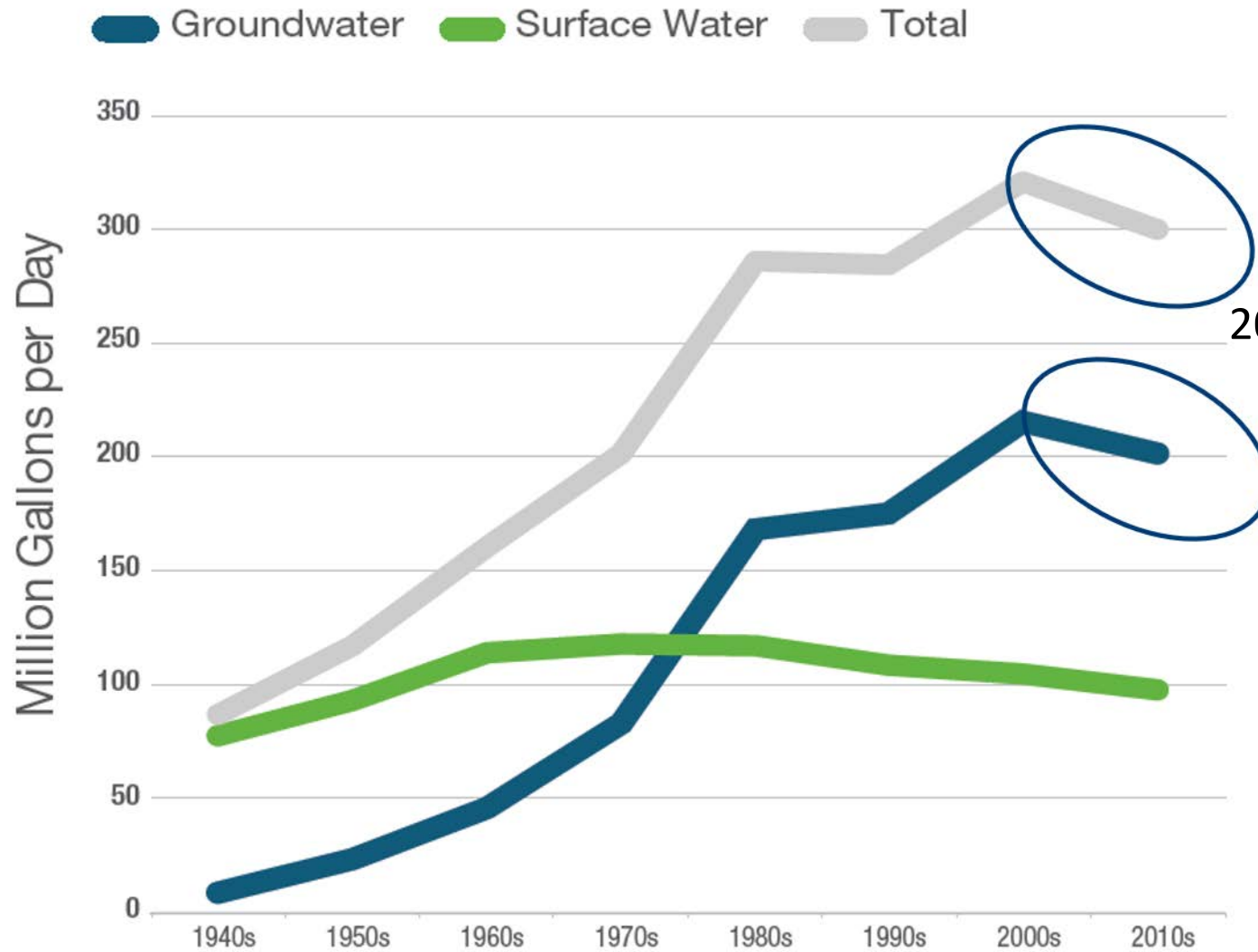
Stormwater Grants

Leveraging Local Funds



- \$2.8 Million Awarded 2015 -2017
- \$1.5 Million Awarded for water reuse
- 50 Million Gallons Per Year Reused Annually

Now we use more groundwater compared to river water



Groundwater Use
2011-2015 average is less than
2007-2010 average by **17**
million gallons per day

Challenges

- Clean Water Fund (\$975,000 per year)
 - Funding source for water supply sustainability, collaboration, efficiency support
- Metropolitan Council Fund (\$100,000 per year)
 - Funding source for local water supply planning support
- No funding source
 - Regional planning, MAWSAC/TAC coordination and support
 - Water Efficiency Grants (\$250,000 per year)
 - MAWSAC/TAC and planning (-\$200,000 per year)



FUTURE WORK NEEDS SUPPORT

\$ FUNDING

 EFFICIENCY AND WISE USE OF WATER

 WORKABLE SOLUTIONS

 COLLABORATE FOR BETTER RESULTS

Support Water Supply Planning

Support Sustainability

- Support Water Supply Planning Funding
- Connect with MAWSAC and TAC
- Support Subregional Groups
- Replace your Irrigation Controller



Questions