

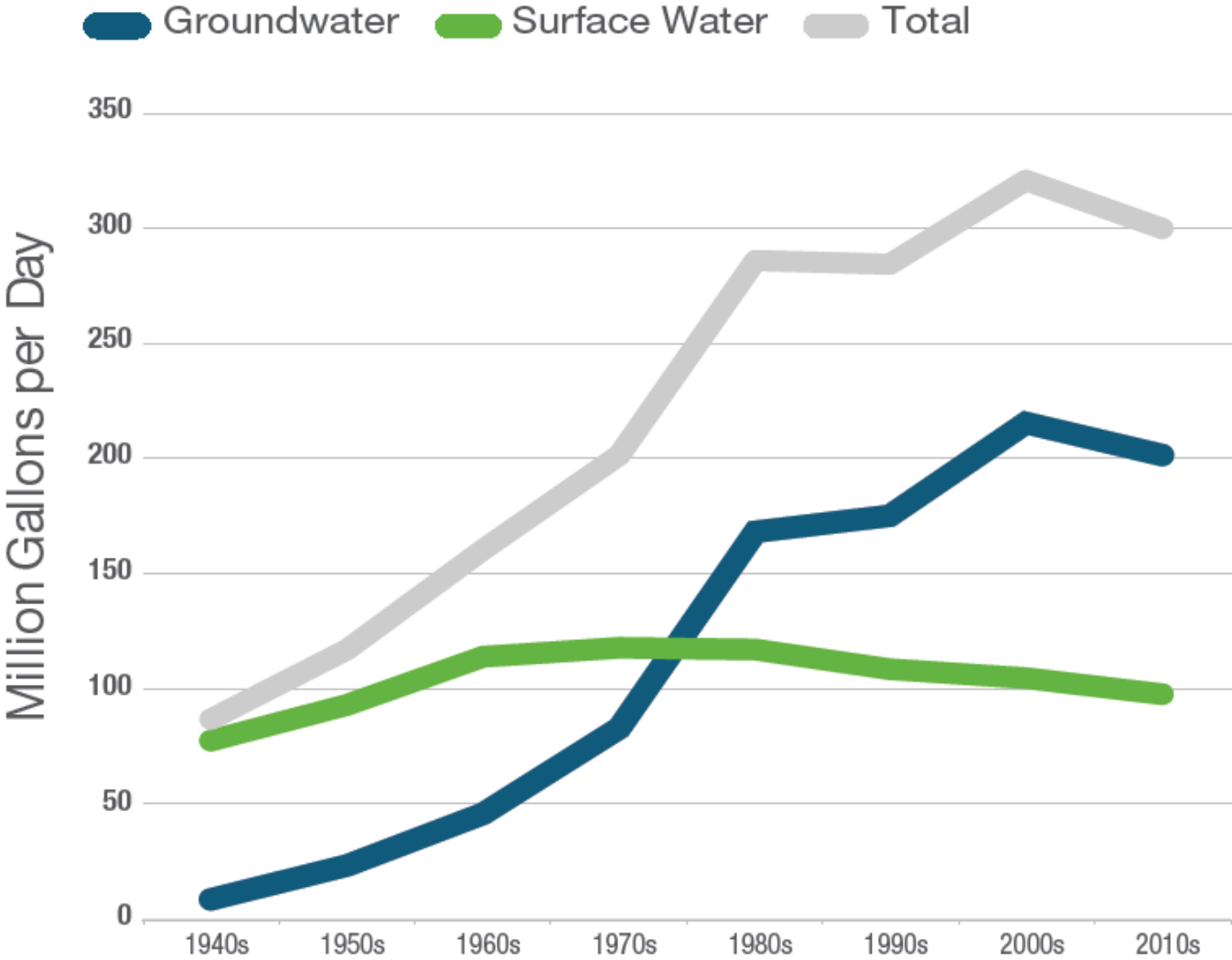
Minnesota Legislature 2017

# Implementing the Master Water Supply Plan



Legislative Water Commission,  
April 24, 2017

Now we use more groundwater compared to river water



# Master Water Supply Plan Sustainability Goal

The region's water supply is sustainable now and in the future

## Strategies- Master Water Supply Plan

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



# Engage, Educate, Execute, Evaluate



Local Events



Subregional  
Collaboration

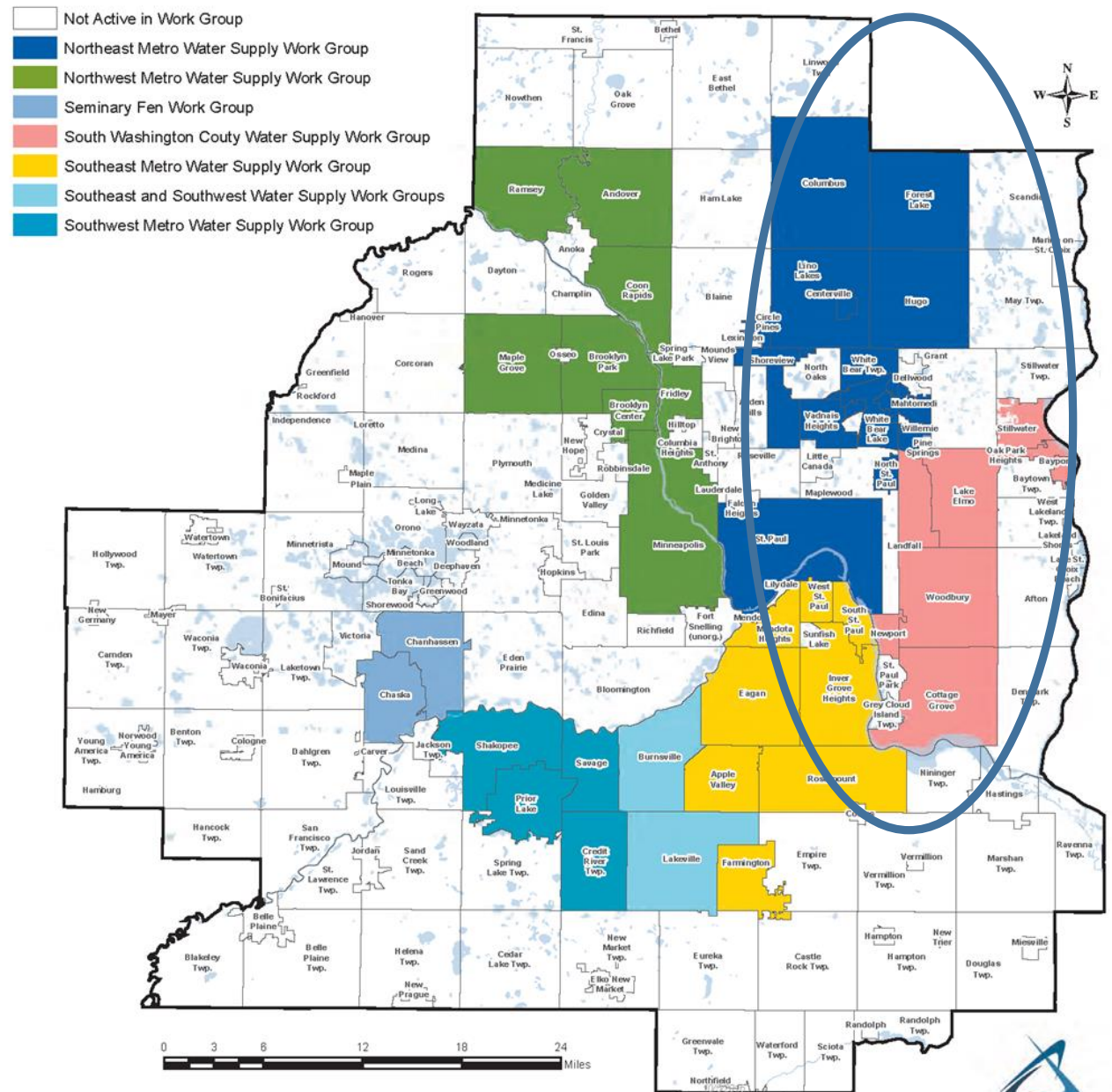


Century College



# Water Supply Sub-Regional Workgroups

## Communities in Metro Area Water Supply Work Groups



- Regional Groundwater Recharge and Stormwater Capture and Reuse Study: North and East Metro Study Area
- Feasibility Assessment of Approaches to Water Sustainability in the Northeast Metro
- Feasibility Assessment of Approaches to Water Sustainability in Washington County
- Washington County Municipal Water Coalition Water Supply Feasibility Assessment
- Industrial Water Conservation- MnTAP
- Water Efficiency Grants
- Stormwater Grant Program

# Outcomes of Industrial Water Conservation Program

	Metro area	Northeast Groundwater Management Area
<b>No. of Projects</b>	15	5
<b>Water Saved Annually in Million Gallons</b>	135 <i>enough water for 4,000 people for a year</i>	50 <i>enough water for 1,500 people for a year</i>
<b>Industries and cities financial savings in water and energy cost</b>	\$1.1 Million a year	\$100,000 a year
<b>Total Cost of Program as of December 2016</b>	\$160,000	\$50,000



# Outcomes of Water Efficiency Grants Program

	Metro area	Northeast Groundwater Management Area
<b>No. of Recipients</b>	19	11
<b>Water Saved Annually in Million Gallons</b>	80- estimated <i>enough water for 2,500 people for a year</i>	17 - Actual as of January 2017 <i>enough water for 500 people for a year</i>
<b>Industries and cities financial savings in water and energy cost</b>	Under evaluation	Under evaluation
<b>Total Cost of Program</b>	\$500,000	\$253,000



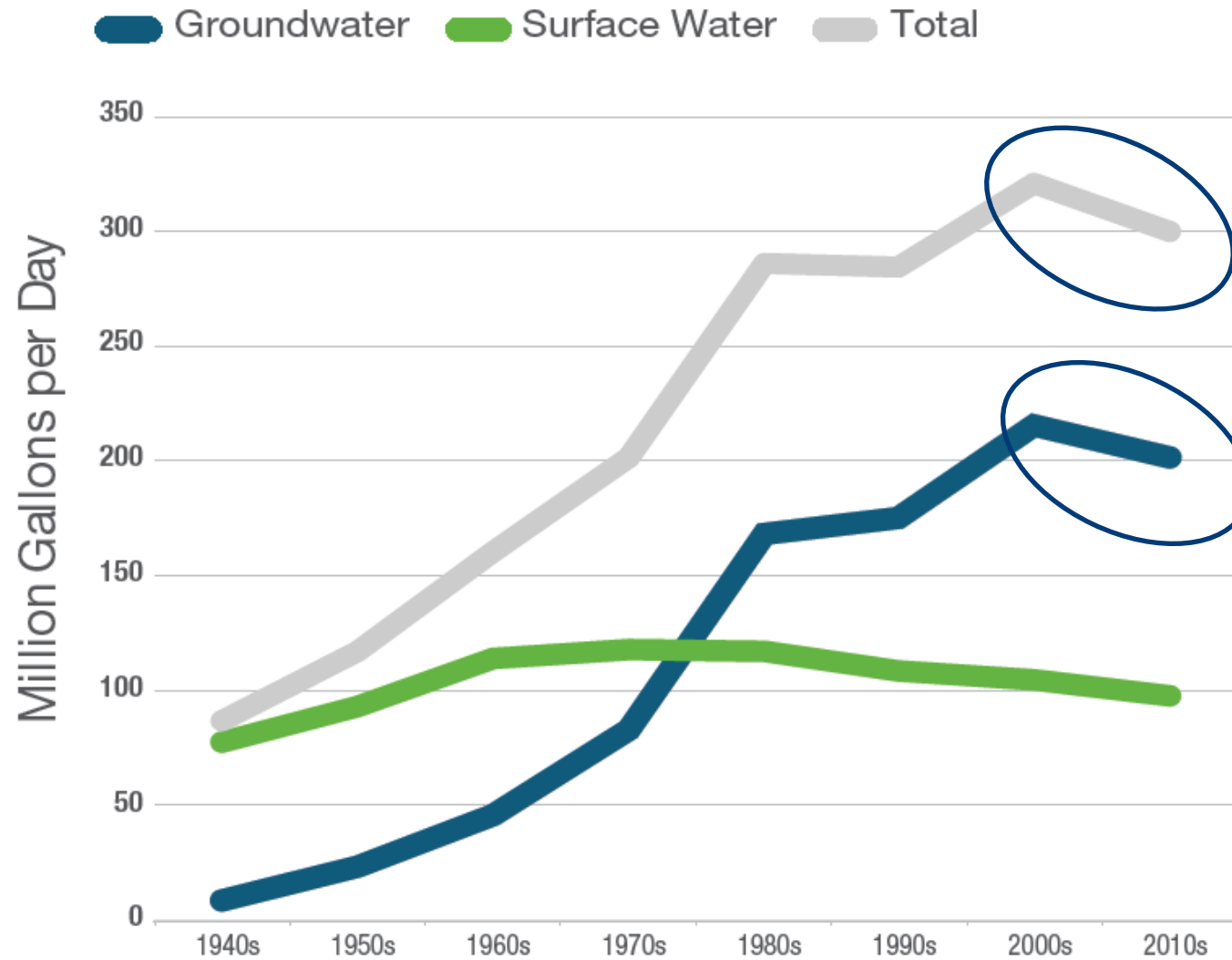
# Stormwater Grants Awarded To NE Metro



- 2015 – Hugo stormwater reuse and city park irrigation (\$50,000)
- 2016 – Hugo stormwater reuse project (\$200,000)
- 2017 grants – will be awarded soon



Now we use more groundwater compared to river water

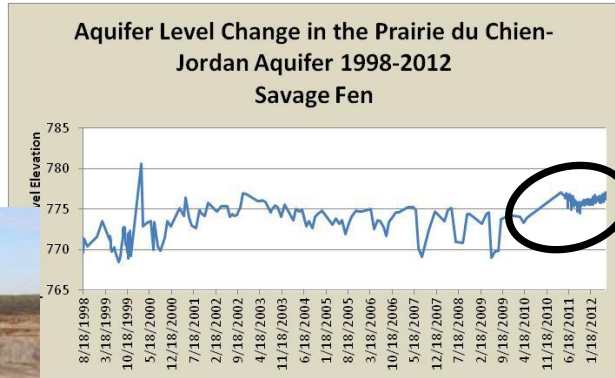


**Groundwater Use**  
2011-2015 average is less than  
2007-2010 average by **17 MGD**



# Success Stories

## Burnsville- Savage collaboration



## Hugo water reuse plans



## Eden Prairie Water Conservation Rebate



## Woodbury water use plans

### WOODBURY City adopts 'aggressive' approach to water use

Woodbury is pledging to try to keep its water use flat through 2030, even though it expects to grow by 15,000 people by then.

The city will stress the need to dial back on lawn sprinkling. Water use leaps from 4 million gallons a day in winter to 10 million in the summer, mostly because of lawns.

An inch of water a week, including rainfall, keeps grass healthy, said Klayton Eckles, director of engineering and public works.

The price of failing to use water sustainably, the city warns, could be to pipe it from the Mississippi River, tripling the cost vs. pumping from aquifers.

The city is working on strategies to meet its goal, including two-day-a-week sprinkling at some public sites. It will urge citizens to use "responsible lawn irrigation practices."

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THANK YOU

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