# Public Utilities

## Drinking Water
- 1st Mississippi River
- 24 MGD
- Lime Softening
- 300 mi of pipe
- 5 Towers

## NEW Recovery
- 17 MGD
- Full BNR
- Biofuel Generator
- Class A Solids
- 290 mi of pipe
- 36 Liftstations

## Stormwater
- Mississippi River
- 200 mi of pipe
- 212 Outfalls

## Hydro/Electric
- 8.8 MW Hydro
- 23M kWh Solar Subscriptions

## Key Figures
- 9 Regulatory Agencies
- Regional Hub
- 40 Square Miles
- >22,000 Utility Accounts
- $33M Operating Budget
- $31M Capital Budget
Aging Infrastructure
Significant Growth
Additional Regulations
Managing Expectations
Workforce Challenges

Warmer, Wetter, Weirder:
Cold weather is warming.
Increases in rain events.
Extreme events increasing.

Minnesota has warmed by 2.9F between 1895 and 2017, while getting an average of 3.4 inches wetter.

MN-DNR
Frozen Service Lines

<table>
<thead>
<tr>
<th></th>
<th>1980s</th>
<th>2014</th>
<th>2018</th>
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<tbody>
<tr>
<td><strong>Service Lines</strong></td>
<td></td>
<td>400</td>
<td>25</td>
</tr>
<tr>
<td><strong>Water Mains</strong></td>
<td></td>
<td>3</td>
<td>1</td>
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Managing Expectations

LET IT RUN!

To prevent freezing, please leave a cold water tap running at a steady rate of approximately 1/4 inch (a pinky fingers-width).

Properties in the City of St. Cloud are experiencing frozen service lines.

If you experienced a frozen service in the past, the City is recommending you LET IT RUN.

The City will update its website daily with locations of current frozen services. [www.ci.stcloud.mn.us]

Please report a frozen service to (320) 255-7225 or email publicutilities@ci.stcloud.mn.us
Veteran's Bridge Watermain
July 4, 2019

3” in one hour
5” total
Managing Customer’s Expectations
we can’t come clear your stormdrain
you may have to go around the block

Workforce Challenges
working outside – heat and cold extremes
dangerous conditions
flooding, weather threats
cross trained employees

Lessons Learned:
Keep the sanitary system moving.
Warmer, Wetter, Weirder
CREAT Risk Assessment Application for Water Utilities
Lisa Vollbrecht, Assistant Public Utilities Director