

# Leadership Awards

2020 Salt Symposium

# 2020 Categories

- Water Softening
- Environmental/Research
- Winter Maintenance
- Business/  
Property Management

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**Organization**

**State**

for reducing chloride pollution in their community.

Your actions  
will help protect  
our valuable  
water resources



*Connie Fortin*

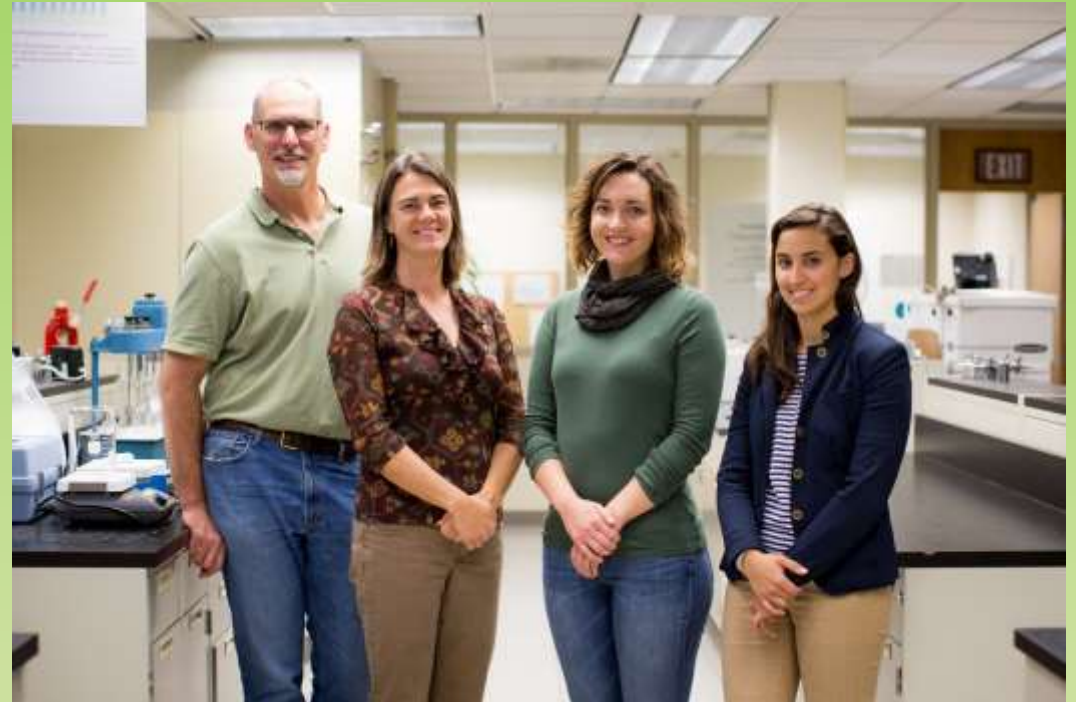
Connie Fortin  
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Issue Date: 08-05-2020

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# Water Softening: Madison Metropolitan Sewerage District

MMSD is working with multi-sector partners to reduce chloride use including:

- Community education about chloride reduction
- Monetary incentives for reducing salt use in water softeners and in winter maintenance
- Training and resource development to help professionals minimize salt use



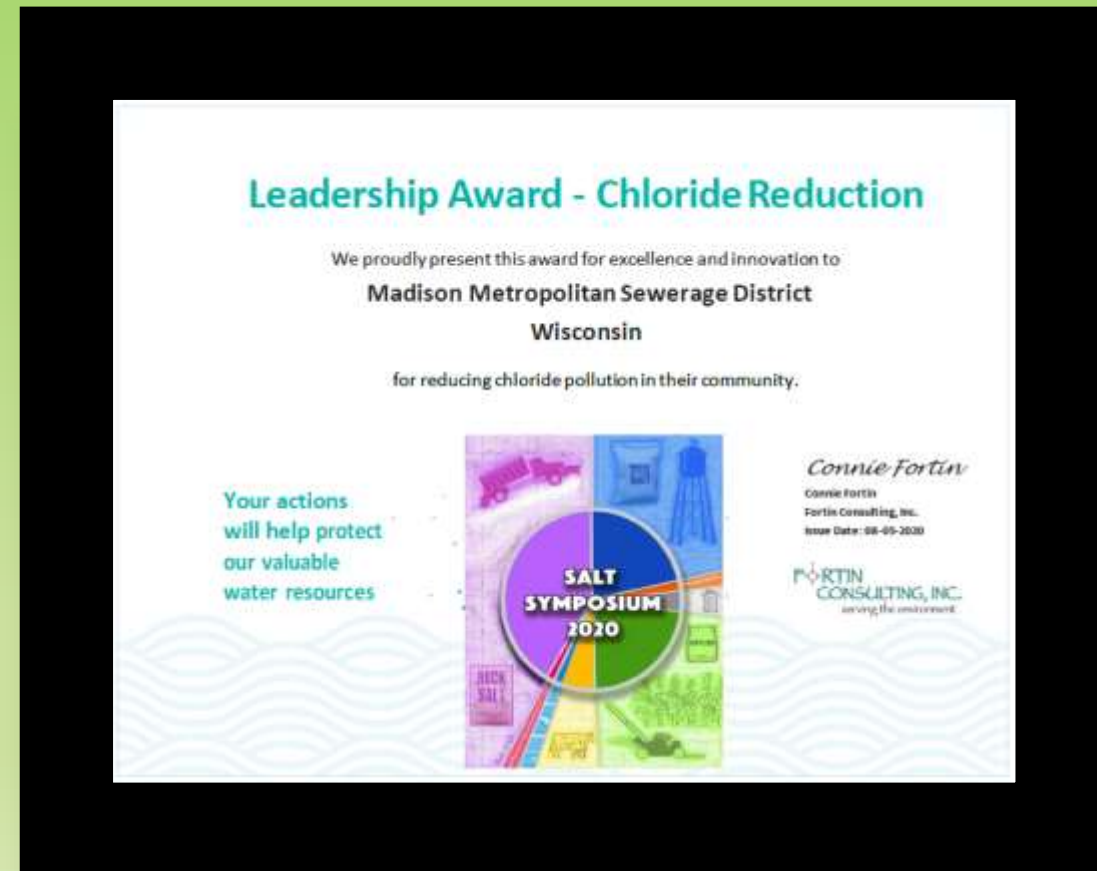
Madison Metropolitan  
Sewerage District



# Water Softening: Madison Metropolitan Sewerage District



"Partnerships have been critical to this work, as they allow us to leverage partners' expertise, interests and networks for long-term, positive changes in salt use. This includes working with water softener professionals to establish new standards; working with industry to evaluate and adopt new technologies; and the formation of the [Wisconsin Salt Wise Partnership](#)."



# Water Softening: City of Morris



To meet their NPDES permit limit for chloride, the City of Morris undertook a massive project to reduce chloride:

- Upgraded Water Treatment Plant to reduce hardness using Lime and Soda Ash
- Significant education effort to homeowners
- City ordinance to restrict timer-based softeners



<https://www.mprnews.org/story/2019/03/12/in-morris-other-cities-across-the-state-solving-salty-probem-in-municipal-water>

# Water Softening: City of Morris

The City undertook a significant public education effort to help customers understand the environmental impacts of and the need for decreased salt usage as a community. The city utilized the MPCA's GreenCorp program to host a GreenCorp member to assist with their education efforts. The dual efforts have proven successful as chloride discharge from the City's wastewater treatment facility is below the limit issued by the MPCA and ensures aquatic life in the Pomme De Terre River is protected from the toxic effects of chloride pollution.

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**City of Morris  
Minnesota**

for reducing chloride pollution from water softening in their community.

Your actions  
will help protect  
Minnesota  
lakes, streams  
and  
groundwater



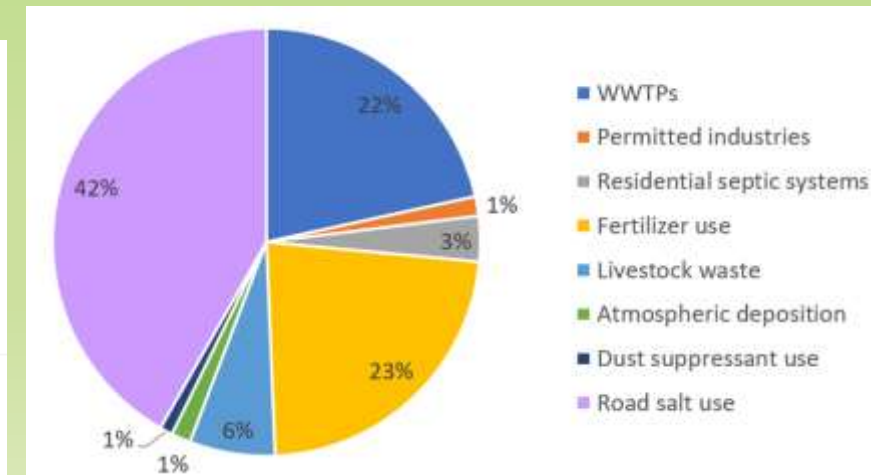
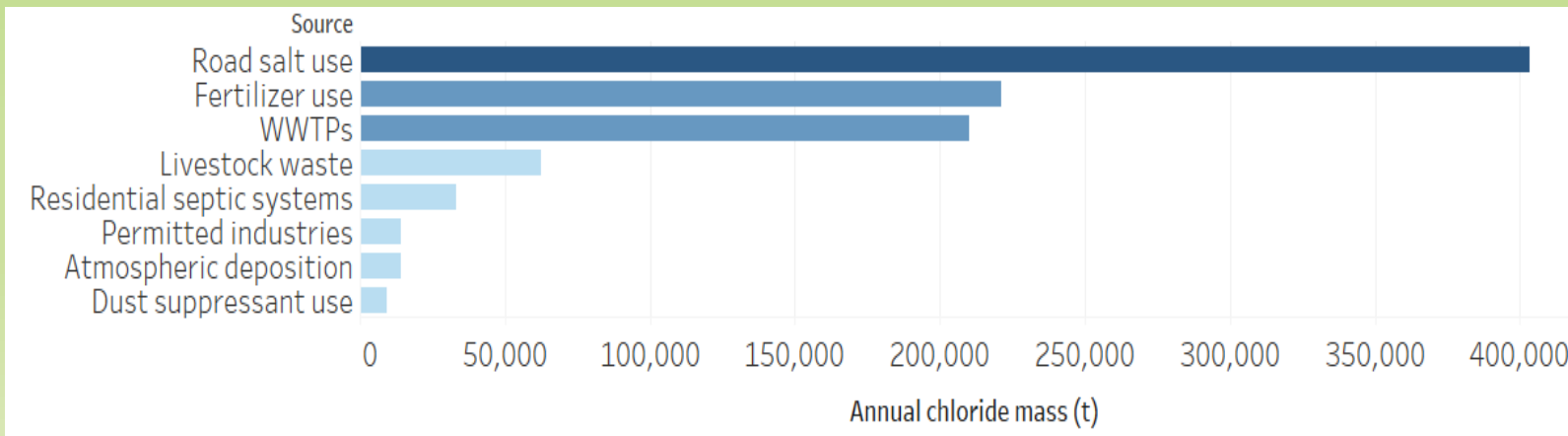
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# Environmental/Research: Alycia Overbo

- Contributions to chloride research
  - Created a chloride budget for Minnesota
  - Advanced the understanding of chloride sources entering the environment



# Environmental/Research: Alycia Overbo

“Thank you for this recognition and support of our research, funded by the LCCMR. I’d like to give thanks and acknowledgment to all of the water softening professionals who participated in our softening survey and provided subject matter expertise, the state and local government officials who have provided data for this research, and my peers and advisors at University of Minnesota that have provided guidance on this research.”

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**Alycia Overbo**

**University of Minnesota**

for environmental research and collaboration that has contributed to reductions in salt use.

Your actions  
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Minnesota  
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and  
groundwater



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# Winter Maintenance: City of Hopkins

- Efforts to decrease chloride use in all maintenance operations
- Teamwork from shovel crew to supervisors and across departments
- Innovative salt recycling pilot program



# Winter Maintenance: City of Hopkins

“We at the City of Hopkins encourage others if they have not recently updated their salt use reduction plan to do it. We further reduced our salt use and as a side benefit got staff members from different areas of public works engaged, *yes actively engaged* together under a common goal with new methods, equipment, and technology. Thanks for recognizing The City of Hopkins with this Chloride Reduction Leadership Award.”

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**City of Hopkins  
Minnesota**

for implementing best practices that have significantly reduced salt use safely.

Your actions  
will help protect  
Minnesota lakes,  
streams and  
groundwater



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# Winter Maintenance: City of St. Cloud

Public Works & Stormwater Utility;  
*in recognition of Superstar: Tom  
Zabinski, Maintenance Supervisor*



- Improved winter maintenance
- Efforts to decrease chloride across all city operations
- Proactive salt education program
- Regional advocate for innovative maintenance and lower salt strategies



**ST.CLOUD**  **GREATER  
WATER QUALITY & SAFETY**



**HOWEVER**



**SALTING WALKWAYS  
HELPS PREVENT INJURY**

**TOO MUCH SALT  
CAN AFFECT WATER QUALITY**

**THINK BEFORE YOU SHAKE!**

Minnesota Pollution Control Agency (MPCA) recommends:  
**LESS THAN 4 Pounds of Salt per 1,000 Square Feet of Pavement**

# Winter Maintenance: City of St. Cloud

“The City of St. Cloud Public Works and Stormwater Utility would like to take this opportunity to thank the members of the awards committee along with the members and sponsors of the Salt Symposium regarding the educational opportunities and their interest in the environment.”

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**City of St. Cloud, Minnesota**

**Public Works and Stormwater Utility**

for implementing best practices that have significantly reduced salt use safely.

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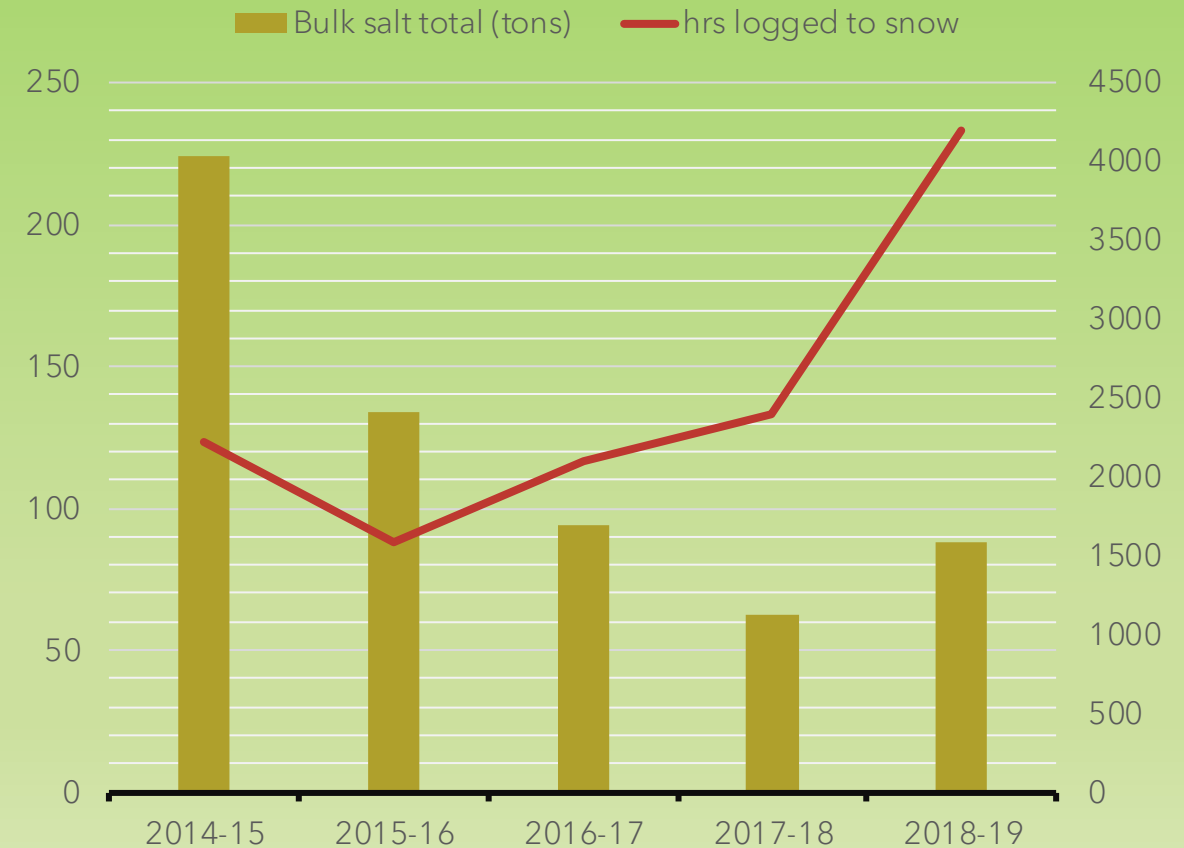
# Business/Property Management: Epic Systems Corporation



- Major effort to reduce chloride use on campus
- Employee education
- Regional leader in Smart Salting

Year	Bulk salt total (tons)	Bag salt total (tons)
2014-15	224	22
2015-16	134	22
2016-17	94.4	12
2017-18	62.4	8.4
2018-19	87.7	9.1
2019-20	51.2	7.7

## Epic's Salt Reduction



# Business/Property Management: Epic Systems Corporation

“Thank you so much for the recognition! With the right information, and desire to do the right thing, I do feel chloride reduction practices could be implemented at any organization. Talk to others who are on the leading edge of this movement for inspiration and advice!”

## Leadership Award - Chloride Reduction

We proudly present this award for excellence and innovation to

**Epic Systems Corporation**

**Wisconsin**

for implementing best practices that have significantly reduced salt use safely.

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our valuable  
water resources



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# **Congratulations 2020 Chloride Reduction Leadership Award Winners!**

**Madison Metropolitan Sewerage District,  
WI**

**City of Morris, MN**

**Alycia Overbo, University of MN**

**City of Hopkins, MN**

**City of St. Cloud, MN**

**Epic Systems Corporation, WI**

# Chloride Reduction Leadership Awards

## 2021 Nominations

**Email your nomination(s) to:**

**[esniegowski@ninemilecreek.org](mailto:esniegowski@ninemilecreek.org)**

***or***

**[brooke.asleson@state.mn.us](mailto:brooke.asleson@state.mn.us)**