



Water Resources Policy Plan Advisory Group

Meeting #5



March 21, 2023

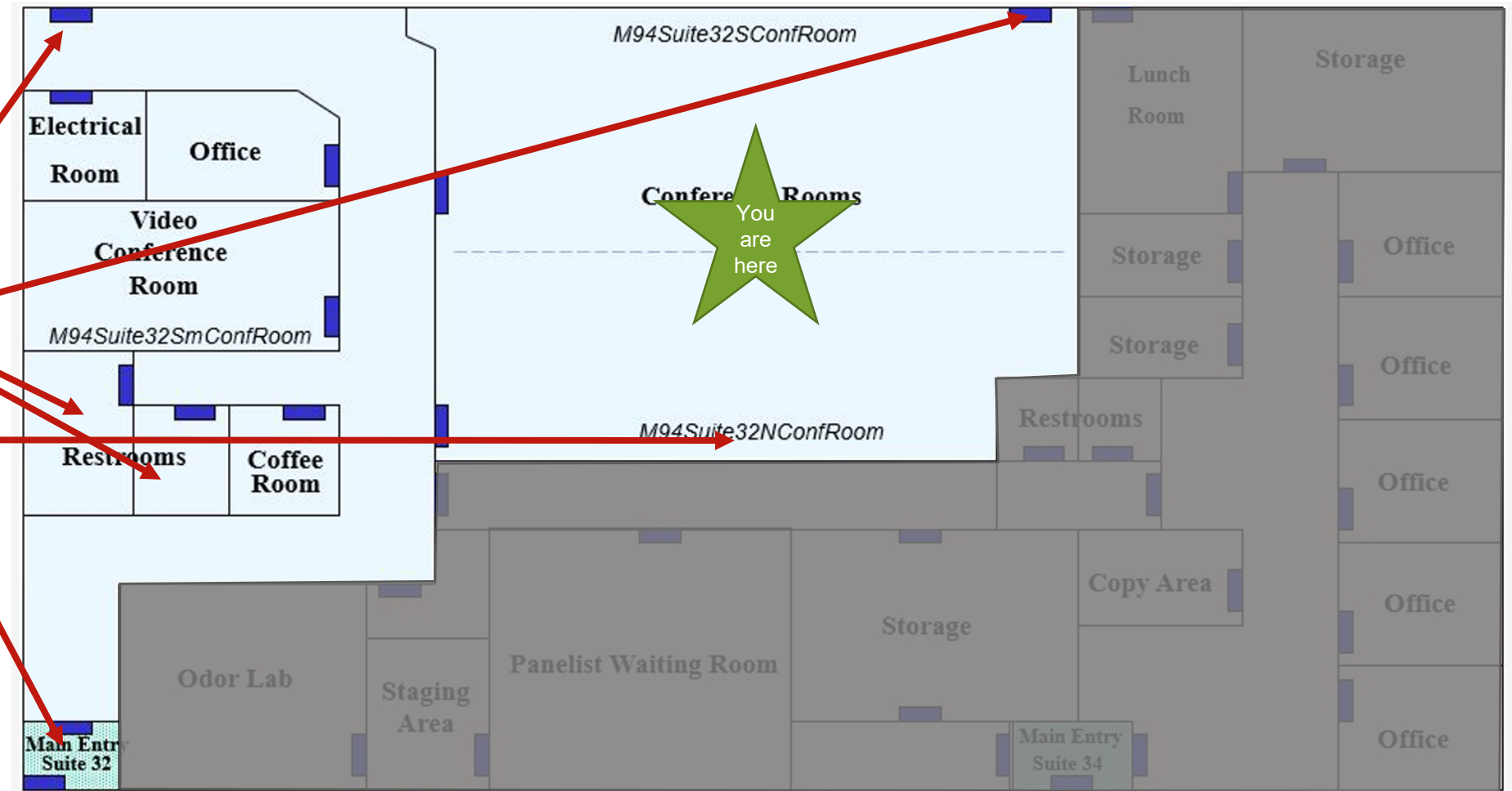
Welcome!

Welcome to Metro 94

Restrooms


Emergency Exits

Food & Refreshments



Agenda

- **Welcome and Introductions**
- **White Paper Overviews**
- **Wastewater Paper Discussion**
- **Break**
- **Climate Paper Discussion**
- **Next Steps**
- **Plus/Delta**



**“Life is a daring adventure,
or nothing at all.”**
- Helen Keller

Introductions

When it's your turn, please say your:

- **Name**
- **Title**
- **Organization**



Wastewater Planning & Service Considerations White Paper Overview



Wastewater Planning & Service Considerations



Paper Contents

- Introduction
- Issue Statement
- Our Role
- Crucial Concerns
- Connections to Current Policy
- Draft Policy Proposals and Implementation Strategies
- Next Steps

Wastewater Planning & Service Considerations

Key Messages

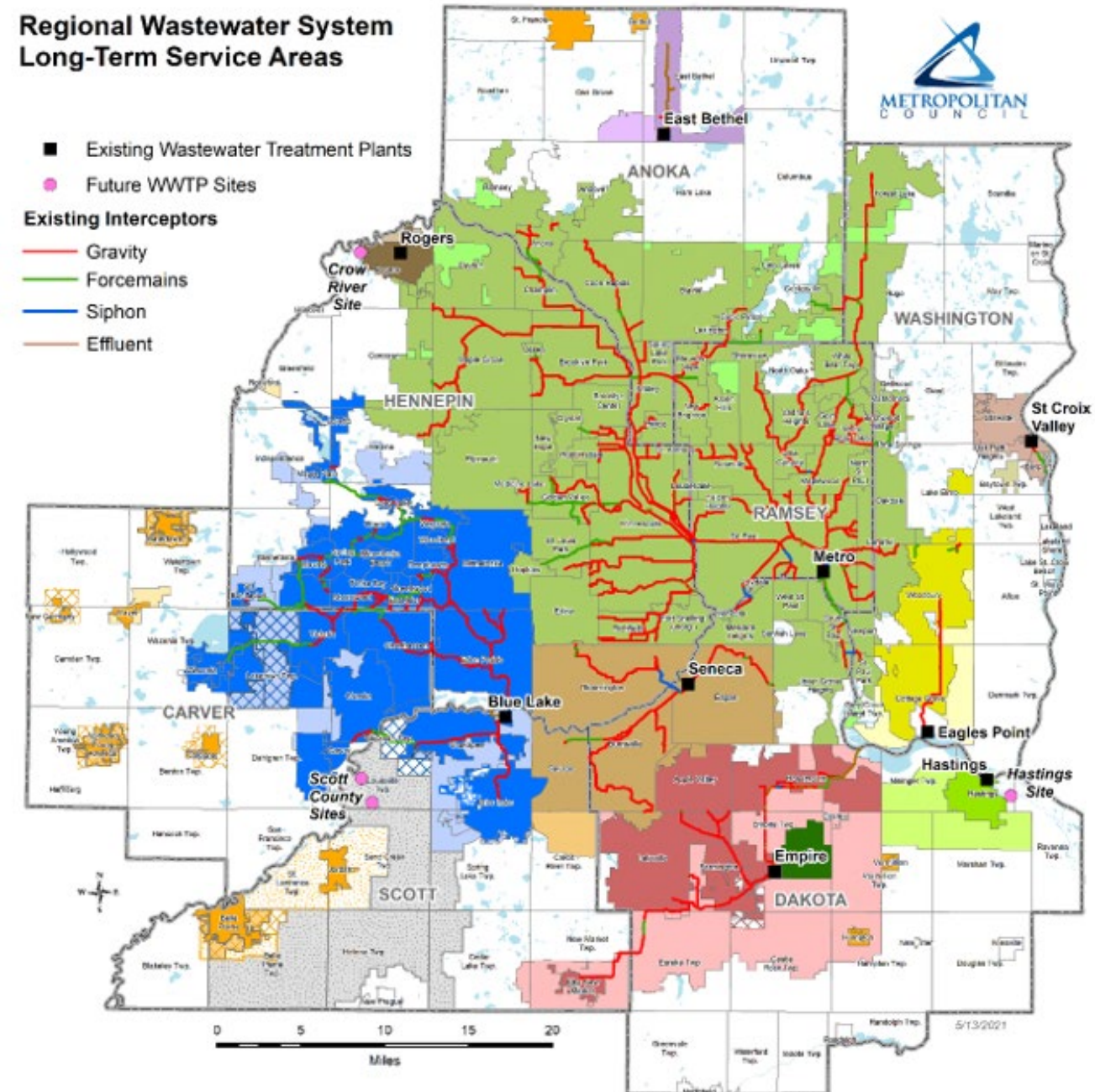
- The Council will continue to provide **high quality, affordable, and sustainable wastewater collection and treatment**, which is necessary to support environmental protection and a growing, prosperous region with high quality of life.
- We will continue to prioritize regulatory compliance while **anticipating emerging contaminants** that may require the Council to meet additional treatment standards.
- **Inflow and infiltration (I/I)**, in part a result of aging infrastructure, consumes precious system capacity and may increase with climate change. We will continue our efforts to mitigate I/I in the regional system while working with community partners to address local sources, including **incentivizing private property I/I reduction** through technical and financial (grants) assistance.
- The Council will serve the region's wastewater treatment needs while remaining mindful of the impact our facilities may have on communities. We will strive to build and rehabilitate facilities in an **equitable way while engaging traditionally underrepresented communities** in the planning and construction process.

Wastewater Planning & Service Considerations

Crucial Concerns

- Acquisition of rural wastewater treatment plants
- Centralized and decentralized wastewater planning

Regional Wastewater System
Long-Term Service Areas



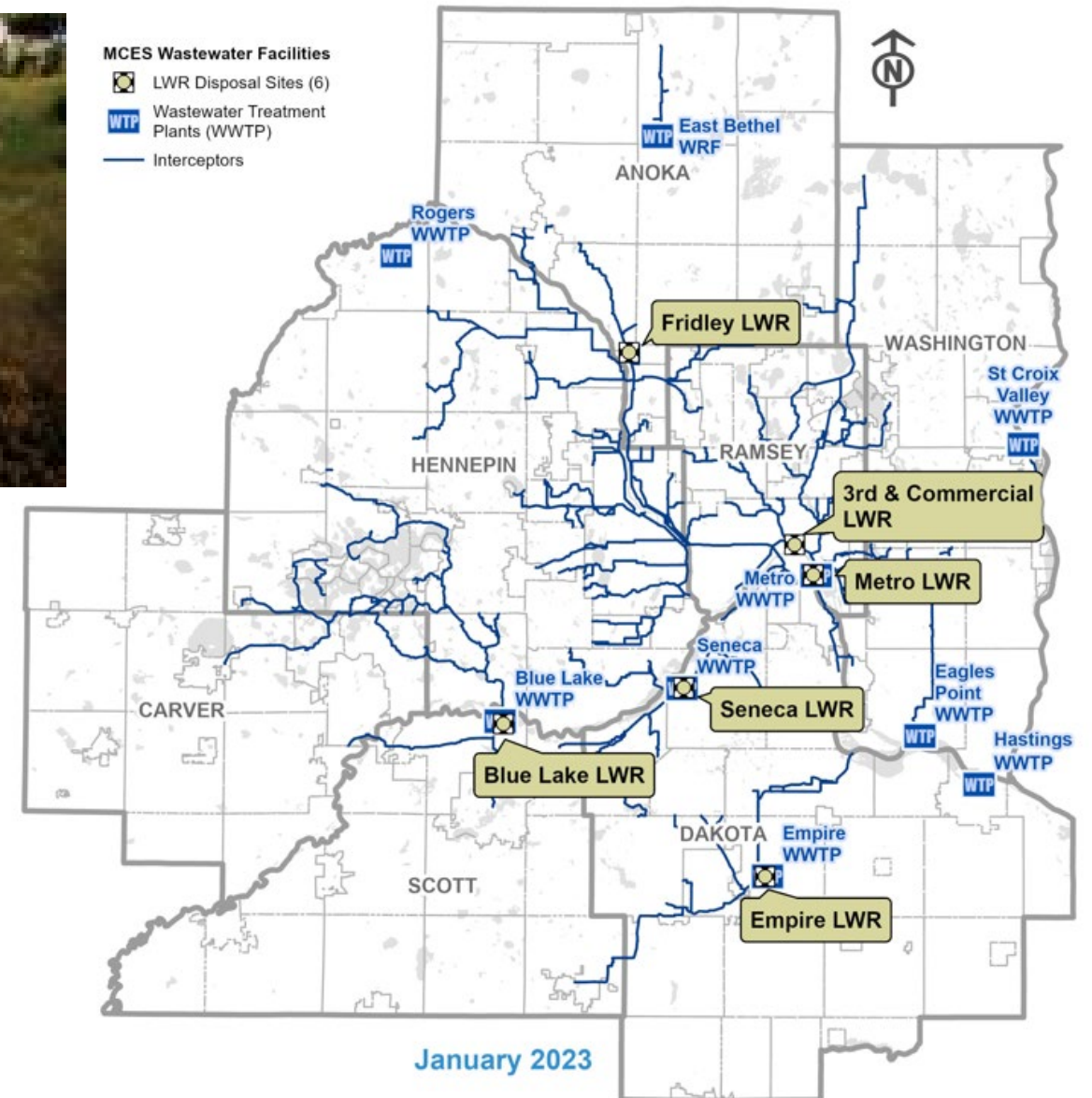
Long Term Service Areas



Wastewater Planning & Service Considerations

Crucial Concerns

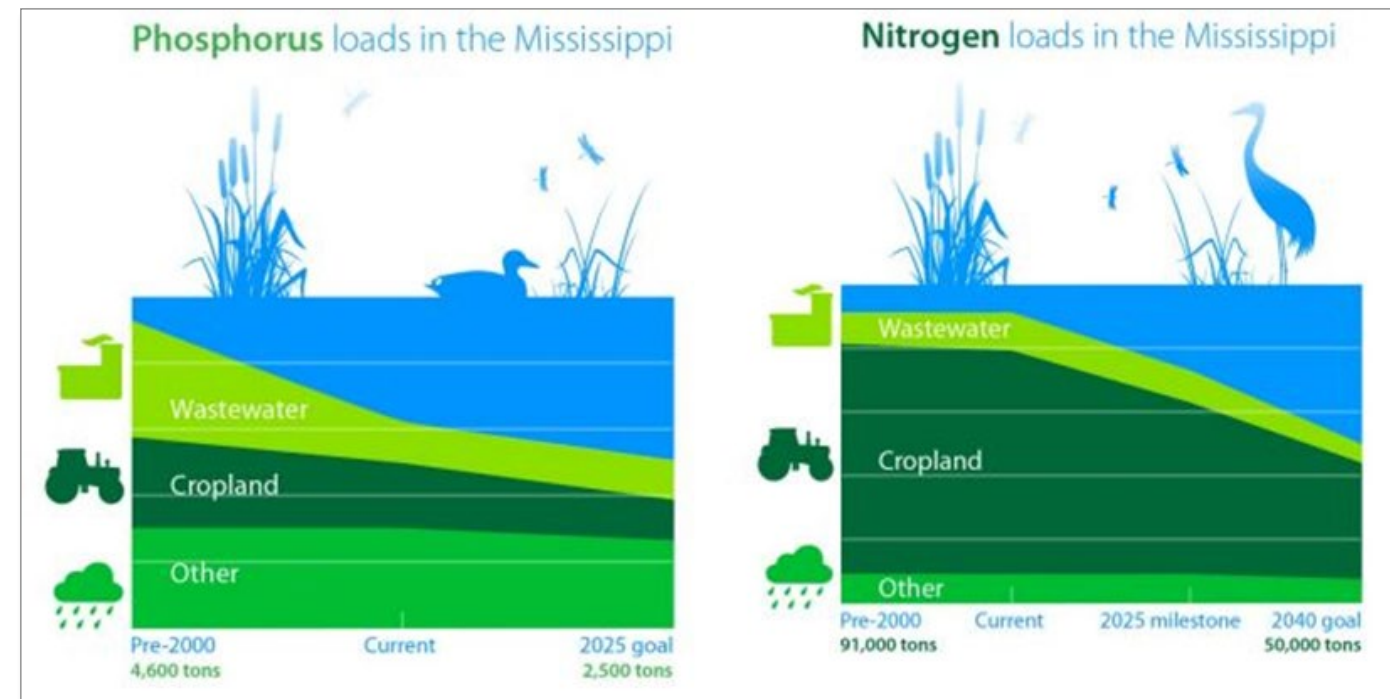
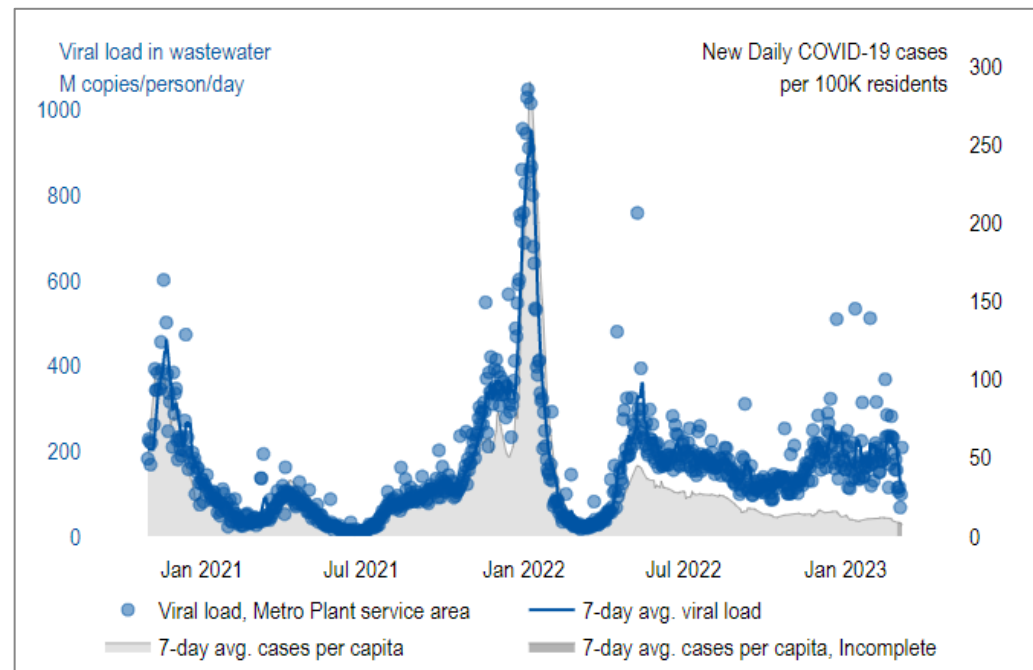
- Inflow and infiltration
- Vactor & liquid waste receiving



Wastewater Planning & Service Considerations

Crucial Concerns

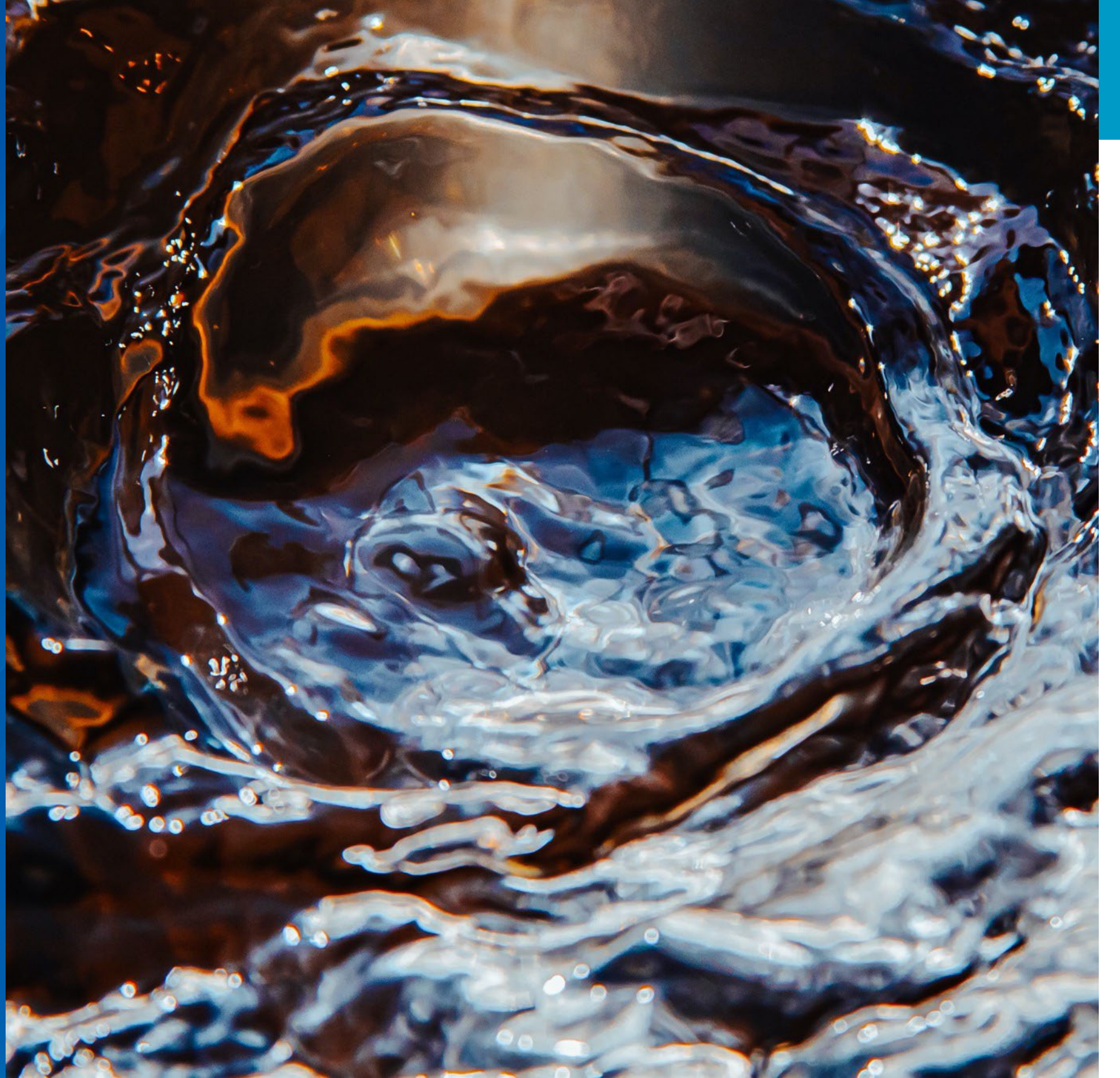
- Contaminants of regulatory concern
- Wastewater surveillance



Break



Water and Climate White Paper Overview



Water and Climate



Paper Contents:

- Introduction
- Issue Statement
- Our Role
- Primary Drivers
- Contaminants of Concern
- Connections to Current Policy
- Policy/Action Recommendations
- Next Steps

Water and Climate



Issue Statement

Climate change poses immediate risks and future challenges on both natural and built environment.

Public health, ecosystem function, economic growth, and community and individual well-being are facing increased pressures - limiting equitable outcomes for regional residents.

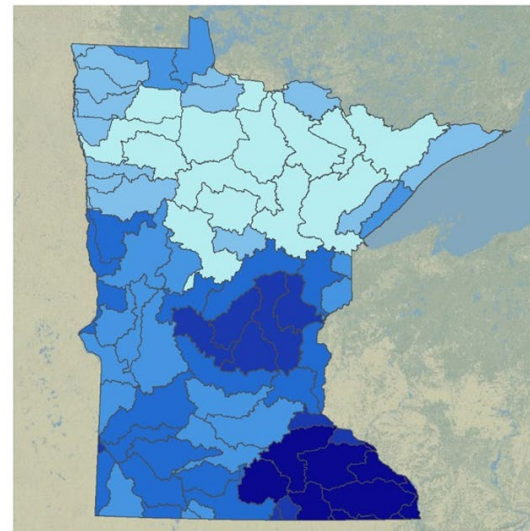
Within the water sector, climate change affects us all - water resources, water infrastructure, and water utility services.

Limiting the most severe impacts of climate change necessitates both immediate and sustained action to reduce greenhouse gas emissions (mitigation) and to implement resilient climate design (adaptation) within our regional water infrastructure, water planning, and social systems that support our ability to thrive.

Water and Climate

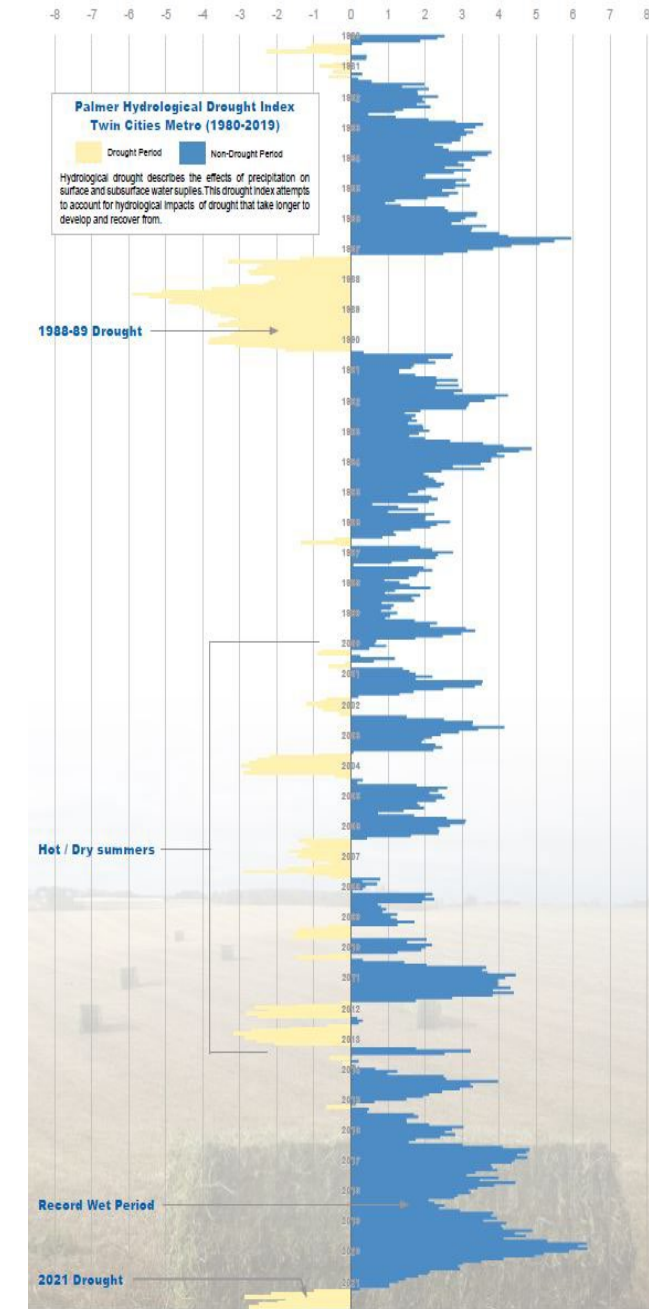
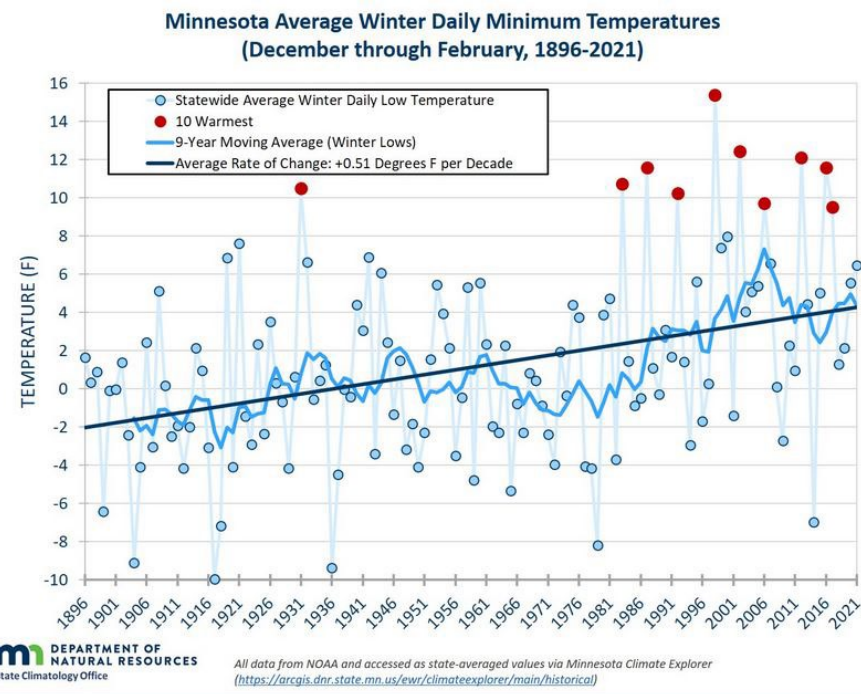
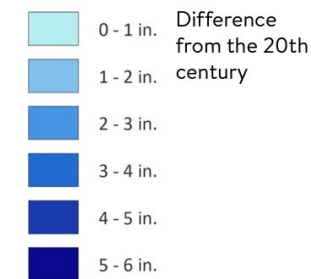
Climate Impacts

- Extreme precipitation
- Prolonged wet periods
- Warmer winters
- Heat waves
- Drought
- Ecosystem and social disruption



Annual precipitation change 2000-2019

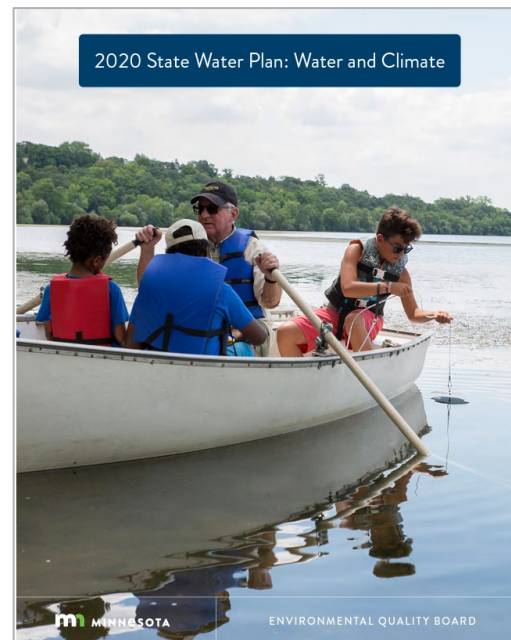
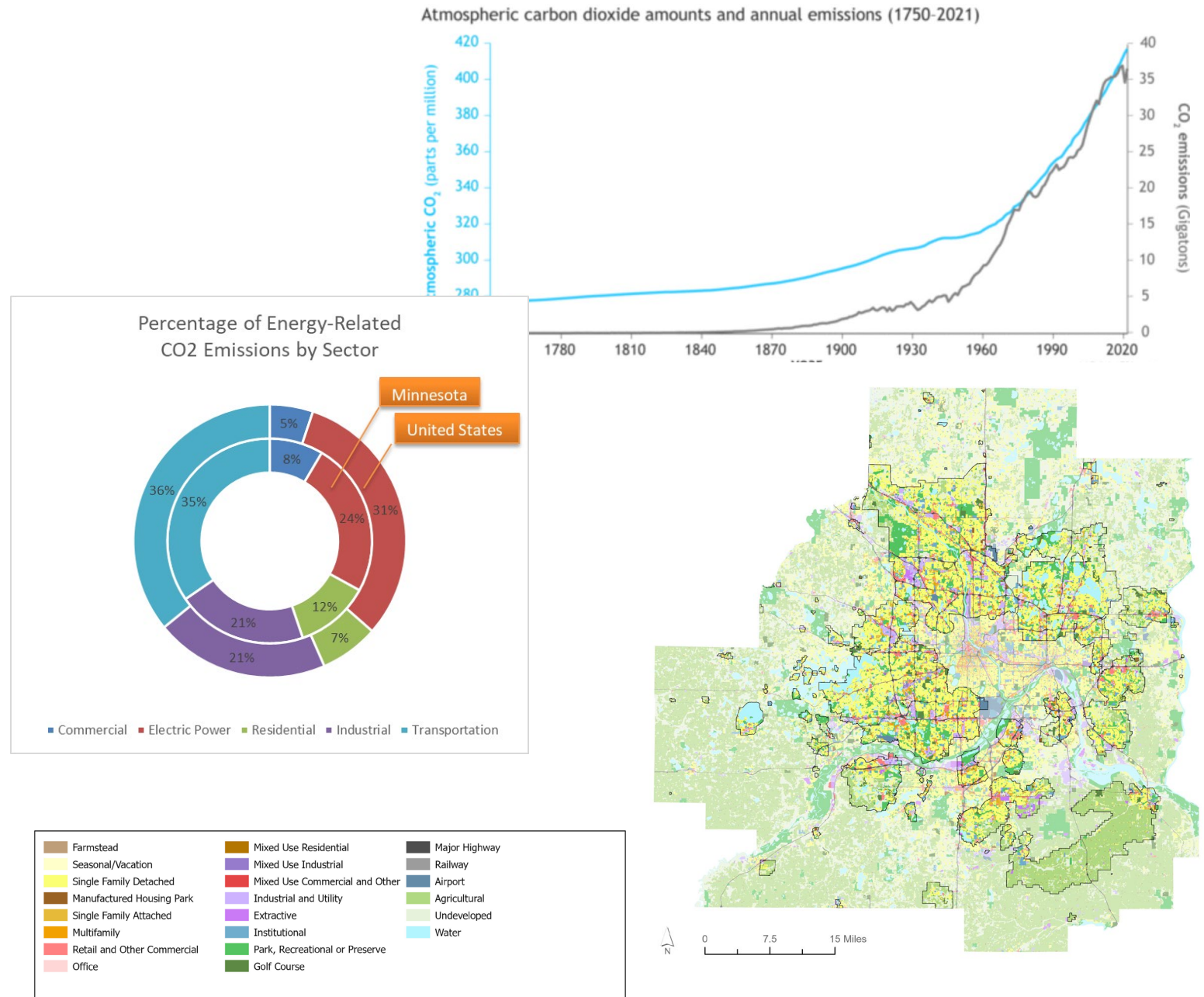
Annual precipitation change by watershed for 2000-2019, compared to 20th century averages. Minnesota is getting wetter, especially the southern parts of the state.



Water and Climate

Crucial Concerns

- Mitigating greenhouse gas emissions
- Water and land management
- Safeguarding water infrastructure
- Aligning and supporting local climate efforts
- State & regional climate action plans



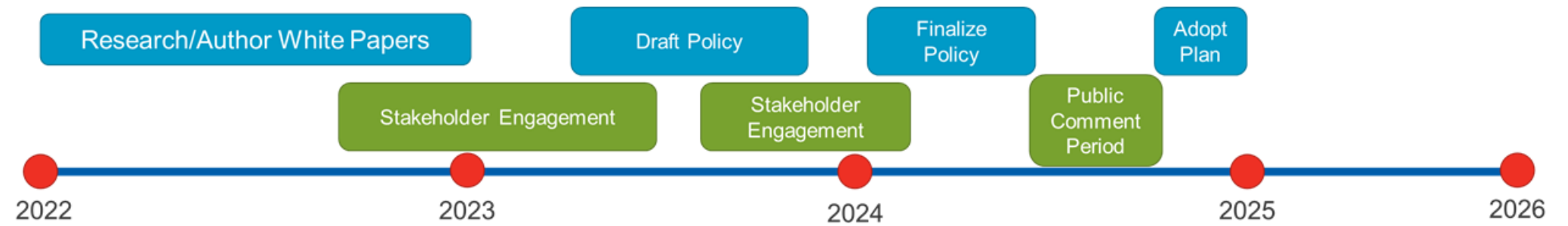
Next Steps



What's to come...



Overall Process Timeline



What's to come...

More White Papers, Meetings, & Feedback

- Mural will remain open until April 1, 2023 if you want to review and provide additional input
- Next WAG meeting will be in June 2023
 - Look for a doodle poll coming soon
 - We will be reviewing Rural Water Concerns and Water Availability, Access, and Use papers

What's to come...



Future Meeting Content & Outreach

- Suggestions for existing opportunities for WRPP Outreach?
 - Do you know of any larger meetings within your networks that it would make sense for ES to table about the WRPP Update?
 - Email with information to Jen (jennifer.kostrzewski@metc.state.mn.us) or Shannon Skally (shannon.skally@metc.state.mn.us)

- Website is live and will continue to have additional content – please share with your networks
<https://metrocouncil.org/Wastewater-Water/Planning/2050-Water-Resources-Policy-Plan.aspx>