

Information Item: **MAWSAC / TAC Update**

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Environment Committee: September 14, 2021



MAWSAC and TAC

Progress in 2021

- Metropolitan Area Water Supply Advisory Committee (MAWSAC) and Technical Advisory Committee (TAC) advise the Council (MN Statute 473.1565)
- Chairs: Wendy Wulff (MAWSAC), Mark Maloney (TAC)
- Work plan for recommendations in a 2022 report to the Council and Minnesota Legislature
- Meeting materials are on the Council website

Meeting Schedule and Topics

TOPIC	DATES
MAWSAC and TAC Work Plan Kickoff	March 23, 2021
1) Contamination and Water Quality	Spring 2021
2) Intersection of Land Use and Water Supply	Summer 2021
3) Groundwater - Surface Water Interaction	Summer-Fall 2021
4) Infrastructure	Fall 2021
MAWSAC Report to Council	January/February 2022



WATER QUALITY & CONTAMINATION

DRAFT recommendations

Problem or need

- There is always potential for another contaminant emerging in our water supply
- As a region, we are not always proactive or best prepared to prevent spread or be responsive

Goal

All the region's changing communities are prepared for new, emerging contaminants and empowered to provide a safe water supply.

Financial Support	Outreach & Engagement	Research	Regulatory Approaches	Regional Policy & Planning
<ul style="list-style-type: none">• Fill monitoring gaps reduce risks• Respond to unexpected events	<ul style="list-style-type: none">• Consumer confidence campaign• Tabletop emergency response training• Private well education	<ul style="list-style-type: none">• Enhance monitoring and data accessibility• Subregional feasibility studies• Stakeholder surveys	<ul style="list-style-type: none">• Coordinated protocol to address new contamination challenges	<ul style="list-style-type: none">• Integrated water management• Multiple scenarios and extended planning horizons

LAND USE & WATER SUPPLY

DRAFT recommendations

Problem or need

- Many water quality problems happened because we didn't realize the implications of land use years ago
- Forethought in land use planning today provides opportunities to prevent future contamination

Goal

Public water suppliers, land use planners and developers have tools and are empowered to support communities' economic needs while protecting the quantity and quality of critical source waters.

Financial Support	Outreach & Engagement	Research	Regulatory Approaches	Regional Policy & Planning
<ul style="list-style-type: none"> • Land use practices for sustainable water supply • Sub-regional wellhead protection 	<ul style="list-style-type: none"> • Subregional collaboration and local planning assistance for wellhead protection 	<ul style="list-style-type: none"> • Monitoring & data accessibility • Wellhead delineation • Risk mapping • Cost benefit analyses 	<ul style="list-style-type: none"> • Wellhead protection plans in comprehensive plans • Revised wellhead rules 	<ul style="list-style-type: none"> • Water supply embedded in metropolitan development guide and regional policies • Updated local plan expectations

Groundwater & Surface Water Interactions

DRAFT recommendations

Problem or need

- Need better understanding of integrated water budget quantify, quality, flows, and use conditions
- Subregional approaches better reflect how water management extends beyond jurisdictional boundaries

Goal

Better subregional understanding of how ground water and surface waters interact and how those interactions impact the sustainability of water supply systems and resources.

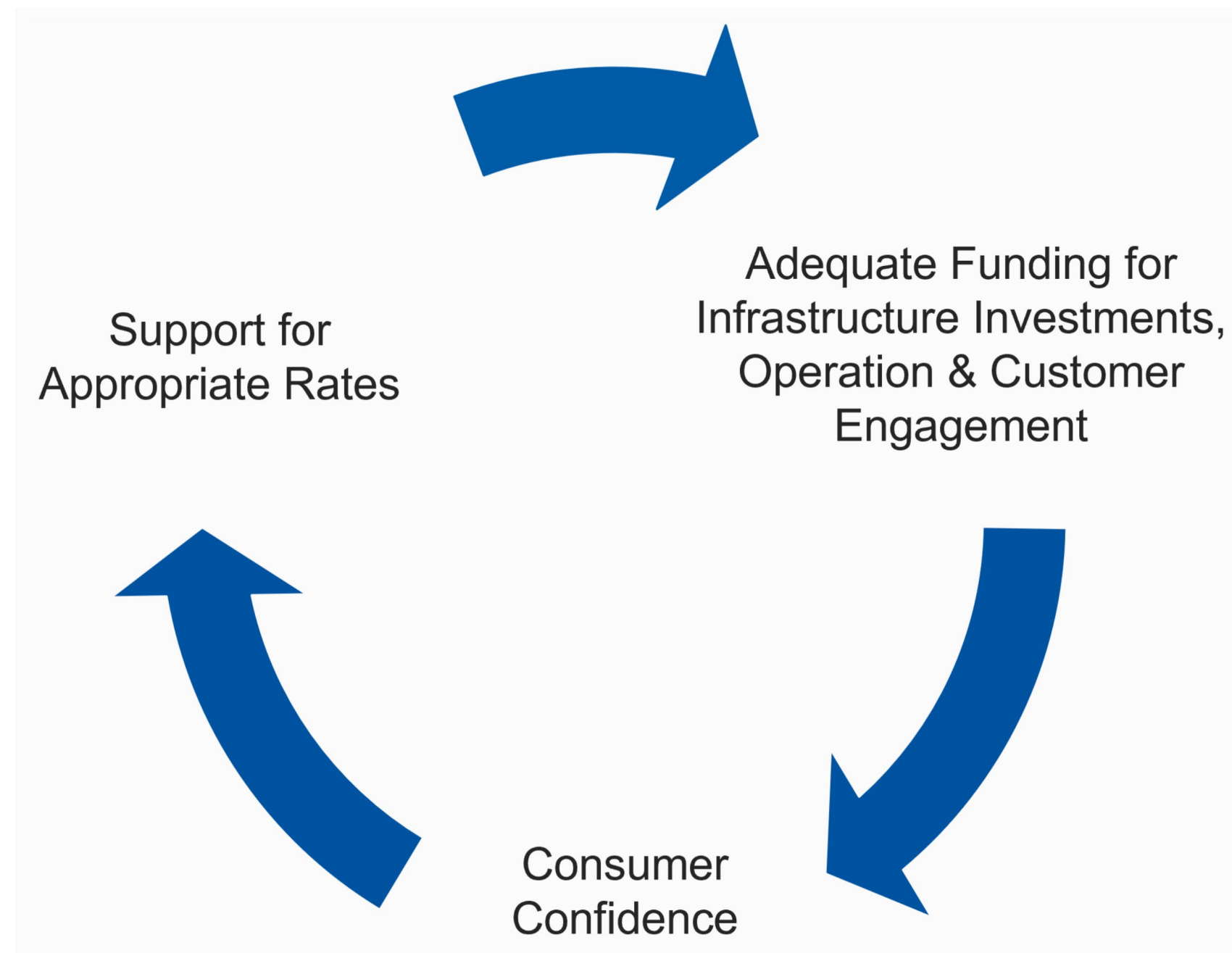
Financial Support	Outreach & Engagement	Research	Regulatory Approaches	Regional Policy & Planning
<ul style="list-style-type: none">• Water reuse grants• Subregional demonstration projects	<ul style="list-style-type: none">• Updated stormwater infiltration and reuse requirements, recommendations, and practices	<ul style="list-style-type: none">• Monitoring and data accessibility• Water balance during wet and dry periods• Movement of contamination	<ul style="list-style-type: none">• Streamlined regulatory direction regarding storm or wastewater reuse	<ul style="list-style-type: none">• Policy making with acknowledgement of ground- and surface water interaction

Infrastructure

DRAFT recommendations (TO BE DEVELOPED FALL 2021)

Problem or need

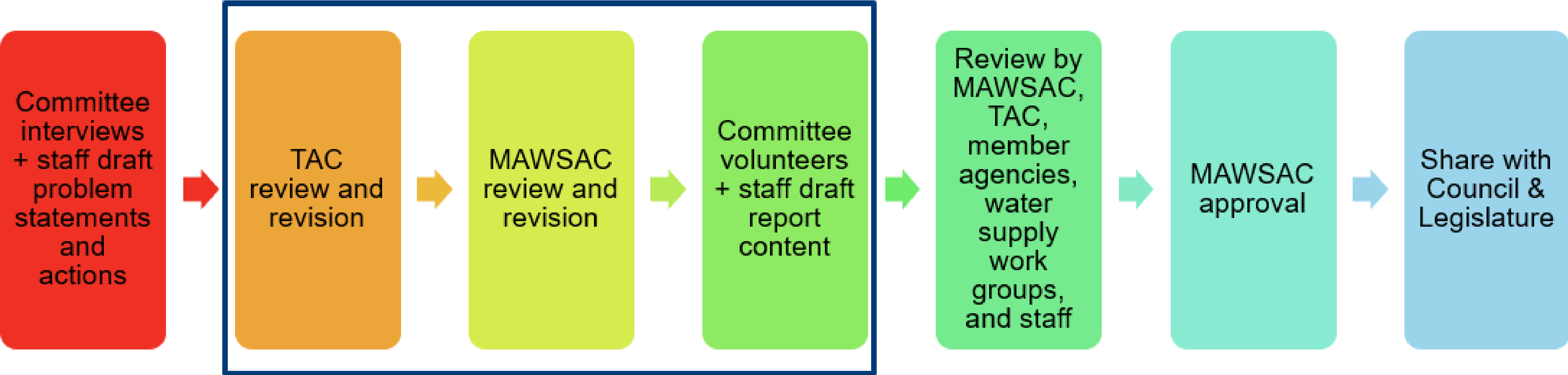
- Maintaining the ongoing sustainability of the region's water supply infrastructure



Goal

Increase support for secure funding sources to allow utilities to act nimbly and equitably in addressing changing water demand and climate, aging infrastructure, earning consumer trust, and addressing water quality needs.

Next Steps



We are here

Questions

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