

# **Water Asset Management Council Asset Management Survey Webinar**

September 8, 2021



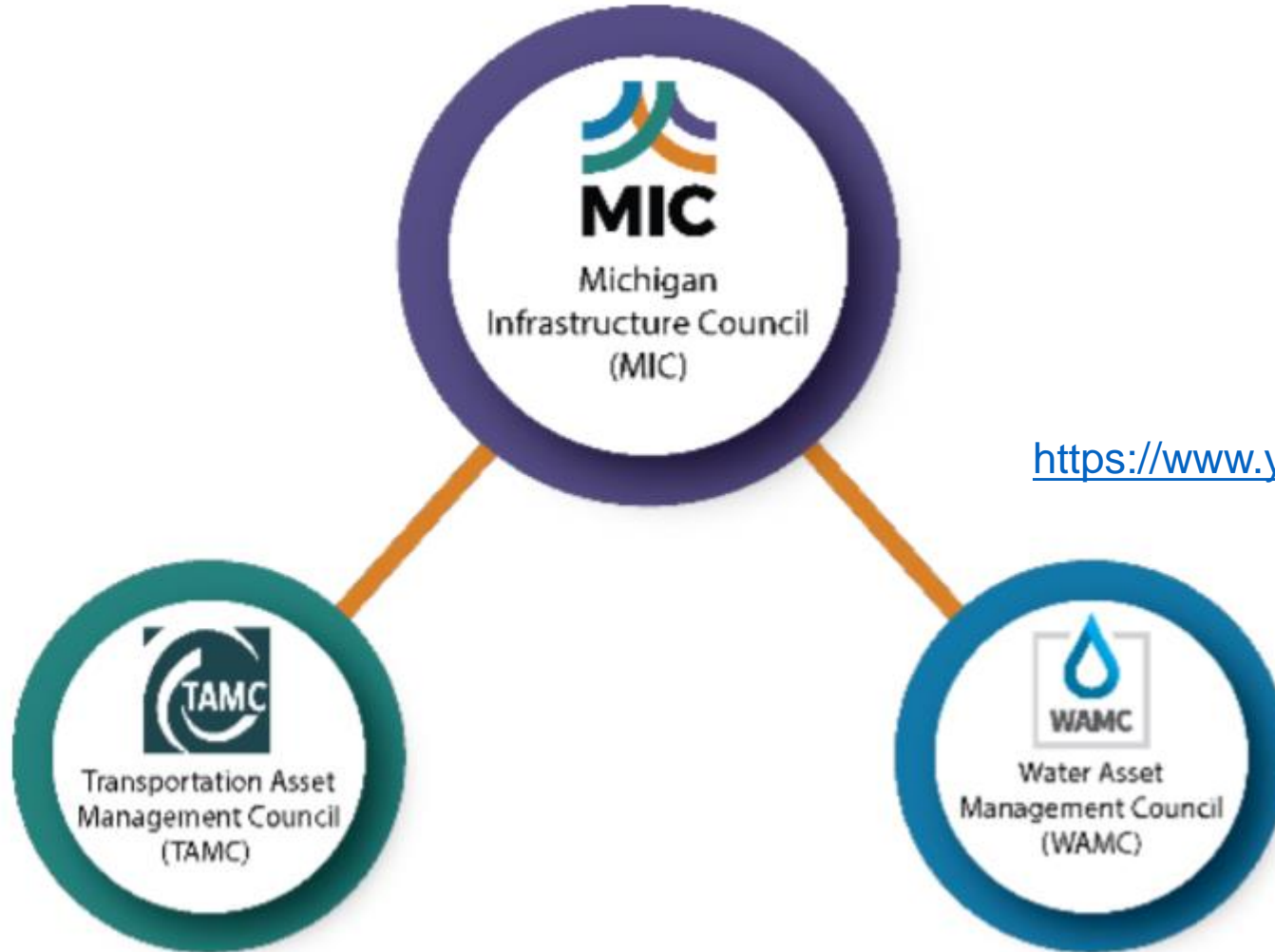
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# Michigan Infrastructure Council

<https://www.youtube.com/watch?v=uG0ktaQjTqE&t=10s>

# Michigan Infrastructure Council Sub-Councils



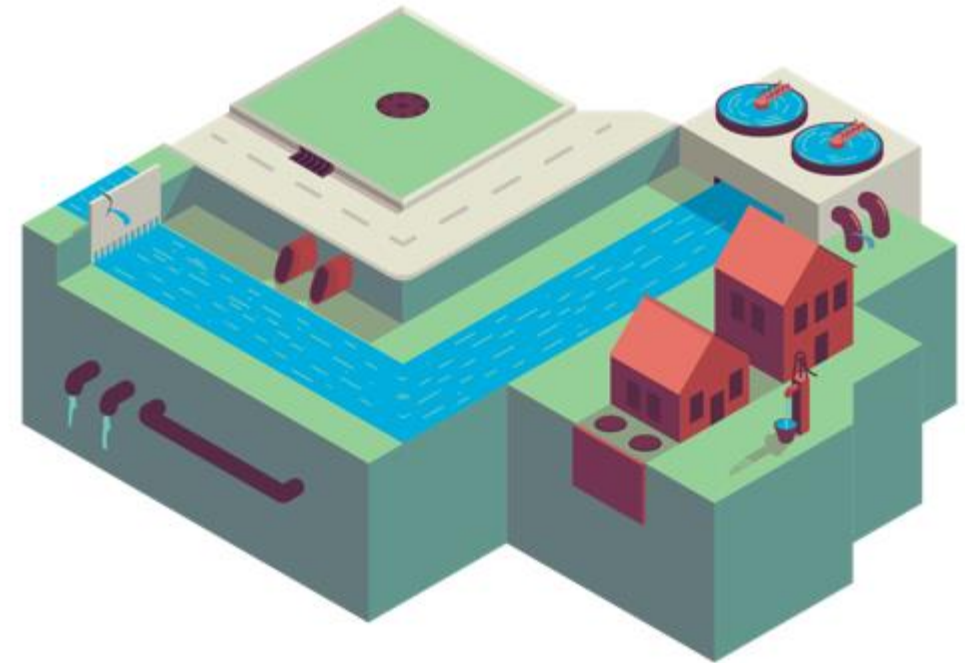
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# Our Mission:

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In collaboration with the Michigan Infrastructure Council, foster and support a statewide culture of asset management focused on the role of water infrastructure in providing public health and optimizing stakeholder value.



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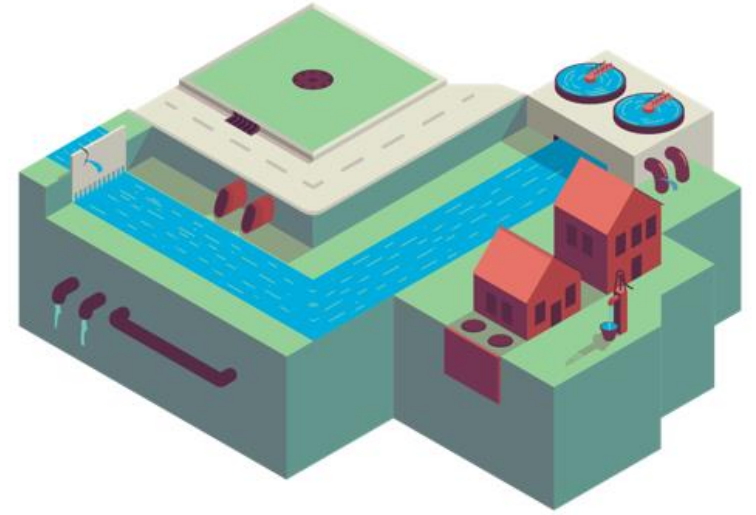
# WATER ASSET MANAGEMENT COUNCIL

## OUR LEGISLATIVE ASSIGNMENT

Develop an asset management template for annual reporting by 1/3 of Michigan Water Systems

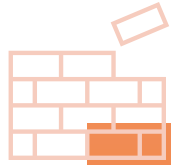
Report to the Legislature Annually on the asset condition of Michigan Drinking Water, Wastewater and Storm Water assets

Include recommendations on condition goals and how utilities are meeting those goals



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# Our Legislative Assignment



## Develop

- an asset management template for annual reporting by 1/3 of Michigan Water Systems



## Report

- to the Legislature Annually on the asset condition of Michigan Drinking Water, Wastewater and Storm Water assets



## Recommend

- include recommendations on condition goals and how utilities are meeting those goals



# Water Asset Management Council

- 2021-2022 Systems
- <https://www.michigan.gov/wamc>

The lists of asset owners to complete the survey in year one are listed below:

- Drinking Water Systems - Year 1
- Stormwater Systems - Year 1
- Wastewater Systems - Year 1



## Drinking Water Systems to Complete WAMC Survey 2021-2022

System Name	City
CITY OF CLIO	CLIO
CITY OF FENTON	FENTON
CITY OF GRAND BLANC	GRAND BLANC
CITY OF LINDEN	LINDEN
VILLAGE OF BELLEVUE	BELLEVUE
CITY OF CHARLOTTE	CHARLOTTE
CHARTER TOWNSHIP OF DELTA	LANSING
CITY OF EATON RAPIDS	EATON RAPIDS
VILLAGE OF FOWLER	FOWLER
LANSING TOWNSHIP	LANSING
CITY OF LESLIE	LESLIE
CITY OF MASON	MASON
VILLAGE OF OVID	OVID
CITY OF POTTERVILLE	POTTERVILLE
CITY OF ST JOHNS	ST. JOHNS
CITY OF DURAND	DURAND
BANGOR-MONITOR METRO DISTRICT	BAY CITY
BLUMFIELD-REESE WATER AUTH.	REESE
BUENA VISTA TOWNSHIP	SAGINAW

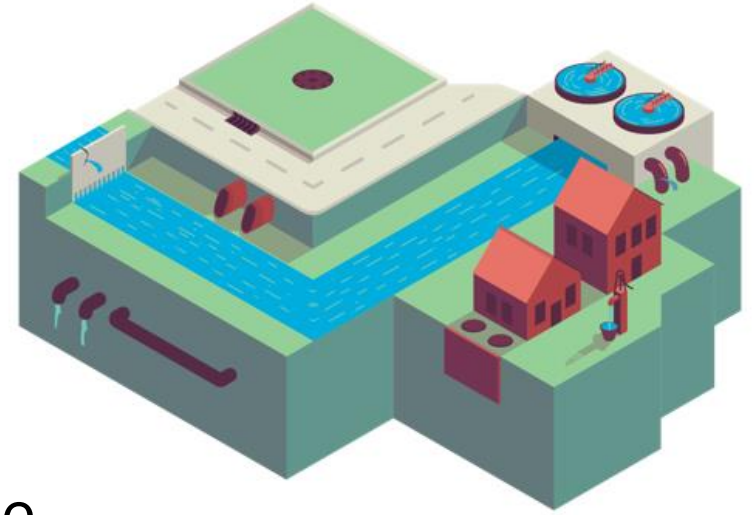


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## WHY SHOULD I PARTICIPATE

The data submitted will provide an overall view of the condition of MI Water Assets to inform funding levels and priorities at the State and National levels

The data will also assist Water Systems by providing comparative reporting for local investments and level of service decisions.



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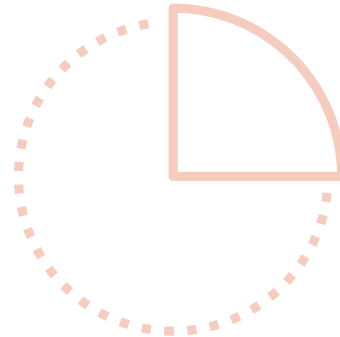
# 2021-22 Asset Management Survey

Survey for Asset Owners:



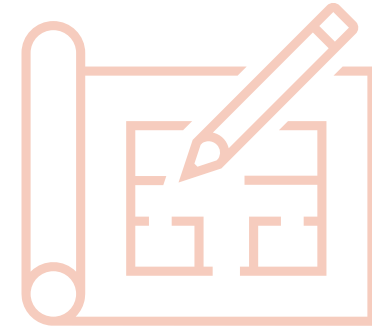
will be open  
September 9  
through  
January 31,  
2022

ONLY for:



the first 1/3  
of asset  
owners

Review survey questions for:



- Wastewater
- Drinking Water
- Stormwater



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# 2021 Wastewater Survey Q1-5

## WAMC Wastewater Asset Management Template

\*1. Name of Utility

\*2. Name of Responder

\*3. Title of Responder

\*4. Please provide your system's NPDES number.

\*5. Do you provide service to another municipality?

- Yes
- No



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# 2021 Wastewater Survey Q6 & Q7

6. Are you part of a multi-jurisdictional system?

Yes

No

7. Please indicate the total linear feet of pipe installed. (Enter NA for Not Available)



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# 2021 Wastewater Survey Q8

8. Please indicate the total linear footage of sanitary sewer pipe inventory that falls under each rating with 1 being the best condition and 5 being the worst. (Enter NA if Not Available)

1

2

3

4

5



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# 2021 Wastewater Survey Q9

NOTE:

while the previous slides only related to horizontal assets the remaining questions in this survey pertain to the entire system.

9. Please indicate the replacement values of the following categories. Enter NA if Not Available.

Collection System

Storage System

Treatment System



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# 2021 Wastewater Survey Q10

## LEVEL OF SERVICE AND PERFORMANCE

10. For which categories has your system established Level of Service goals.

- Reliability
- Responsiveness
- Safety
- Capacity
- Environmental Impact
- Affordability
- Compliance



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# 2021 Wastewater Survey Q11

11. On a scale of 0-5, please indicate how far your system is toward reaching its Level of Service goals for each of the above listed categories.

	0	1	2	3	4	5	NA
Reliability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Responsiveness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Capacity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Impact	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Affordability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compliance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# 2021 Wastewater Survey Q12

12. Please rank the following impediments toward reaching your desired level of service (1 being Low impact, 5 being High impact.)

	1	2	3	4	5	NA
Staffing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited Funds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)



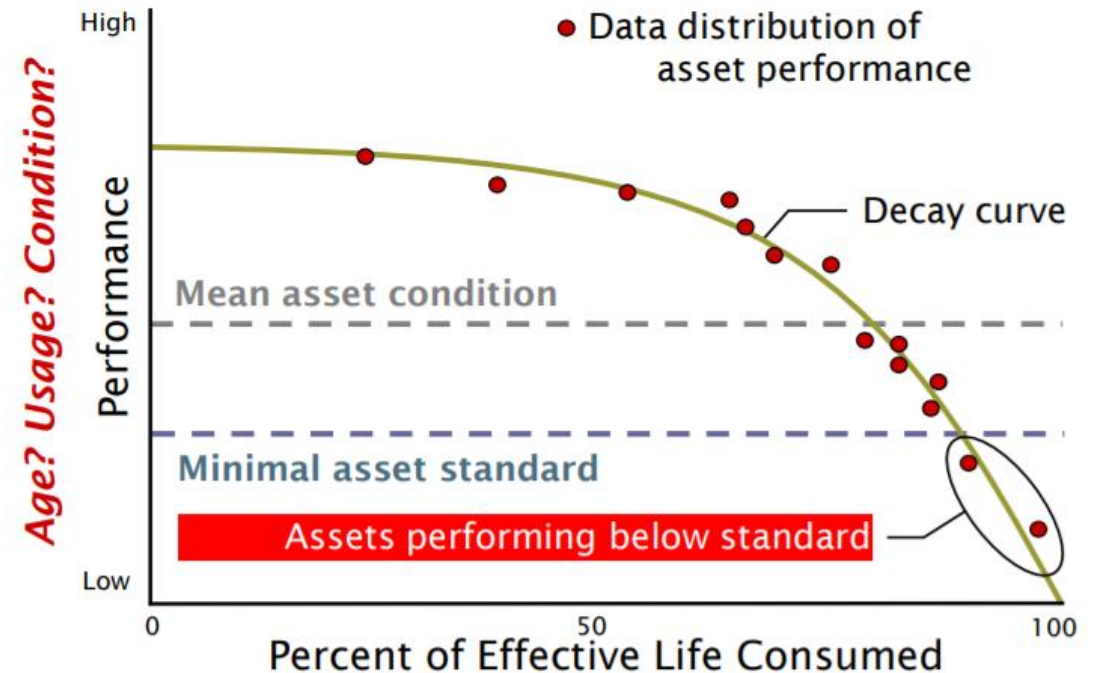


# 2021 Wastewater Survey Q13

13. Have you done a Probability of Failure analysis on your assets?

Yes

No



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# 2021 Wastewater Survey Q14

Regulatory Compliance  
Regulatory Violations  
Environmental Impacts

Environment

**SUSTAINABLE**

Economic

Social

Direct Cost  
Indirect Cost

Health and Safety  
Levels of Service  
Public Image

14. Have you done a Consequence of Failure analysis on your assets?

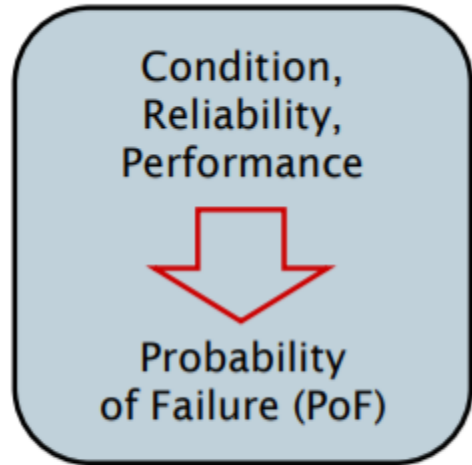
Yes

No



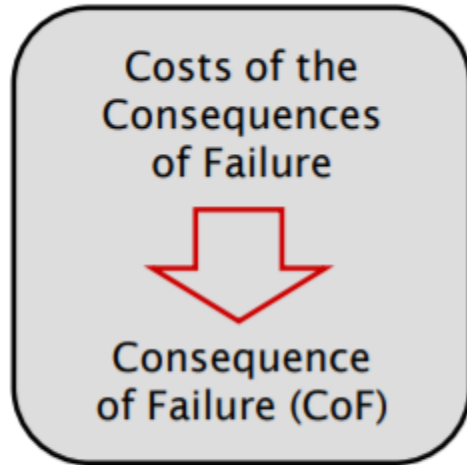
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# 2021 Wastewater Survey Q15



PoF

x



CoF

=



BRE

15. Have you done a  
Criticality/Business Risk analysis  
on your assets?

Yes

No



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# 2021 Wastewater Survey: Q16 & Q17

## Capital Improvement

16. What is the approximate amount of Capital Improvement project costs for the next five (5) years (2022-2027)? (Enter NA if Not Available.)

17. What is the approximate amount of Capital Improvement project costs for the next twenty (20) years (2022-2042)? (Enter NA if Not Available)



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# 2021 Wastewater Survey Q18 & Q19

## Coordination

18. With what other utilities/jurisdictions do you have ongoing efforts for coordination?

State

County

Neighboring Jurisdiction

Utilities

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)

19. What activities are coordinated?

Collection System

Treatment

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)



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# 2021 Wastewater Survey Q20 & Q21

## Coordination

20. For what activities do you have future coordination plans?

Collection System

Treatment

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)

21. Do you have proof of acceptance, certification, or adoption by the jurisdiction's governing body?

Yes

No



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# 2021 Drinking Water Survey Q1-9

- Introductory questions are identical to the wastewater survey with the acceptance of one additional question...

5. Do you own or operate your own distribution system?

Yes

No



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# 2021 Drinking Water Survey Q10 & Q11

10. Please indicate the replacement values of the following categories. (Enter NA if Not Available.)

Distribution system

Storage system

Treatment system

Supply system

11. How many water main breaks occurred in your system last year?

(Enter NA if Not Available.)



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# 2021 Drinking Water Q20 & 21

## Coordination

20. With what other utilities/jurisdictions do you have ongoing efforts for coordination?

State

County

Neighboring Jurisdiction

Utilities

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)

21. What activities are coordinated?

Watermain

Collection System

Storage

Treatment

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)



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# 2021 Drinking Water Survey Q22 & Q23

## Coordination

22. For what activities do you have future coordination plans?

Watermain

Collection System

Storage

Treatment

NOT APPLICABLE - No ongoing efforts for coordination

Other (please specify)

23. Do you have proof of acceptance, certification, or adoption by the jurisdiction's governing body?

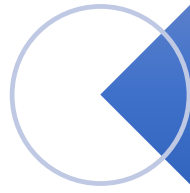
Yes

No



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# 2021 Stormwater Survey



The stormwater survey and the wastewater survey questions are identical



All three surveys will go live on the Water Asset Management Council Website following this webinar

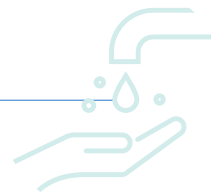


<https://www.michigan.gov/wamc>



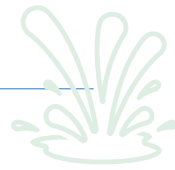
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# Round Table Discussion



**Sue McCormick**

- Chair of the Water Asset Management Council representing an Authority



**Cameron Van Wyngarden**

- Vice Chair of the Water Asset Management Council representing Michigan Townships Association



**Carrie Ricker Cox**

- Council Member representing a Water Infrastructure Association



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# Questions?

- Check out the WAMC website <https://www.michigan.gov/wamc>
  - Fill out your asset management survey
  - Find slides and recording from this webinar
  - Community schedule
  - And more...
- Need additional information
  - Email [EGLE-WAMC@Michigan.gov](mailto:EGLE-WAMC@Michigan.gov)



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