



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

111 Liberty Street, Suite 100  
Columbus, Ohio 43215  
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**NOTICE OF A MEETING  
SUSTAINING SCIOTO BOARD  
MID-OHIO REGIONAL PLANNING COMMISSION**

**REMOTE MEETING**

**April 29, 2020, 2:30 pm – 4:00 pm**

**AGENDA**

- 2:30 – 2:35 pm**    **Welcome & Introductions**
- 2:35 – 2:55 pm**    **Sustaining Scioto Background and Overview –**  
*Kristen Atha, Chair and Mike Andrako, Vice Chair*
- a. Purpose**
  - b. Sustaining Scioto Study Findings**
  - c. How We Got Here to the Sustaining Scioto Implementation Plan**
- 2:55 – 3:10 pm**    **2020 Priorities, Board Role, and Funding –**  
*Brooke White and Brandi Whetstone, MORPC*
- a. Review of 2020 Scope**
  - b. Review the Board’s Role and Plans for Working Teams**
  - c. Funding**
- 3:10 – 3:30 pm**    **Water Quality Overview of the Upper Scioto Watershed –**  
*Jeff Lewis, Environmental Supervisor, Ohio EPA Division of Surface Water*
- 3:30 – 3:50 pm**    **Heidelberg University Water Quality Monitoring and Research –**  
*Laura Johnson, Director, National Center for Water Quality Research,  
Heidelberg University*
- 3:50 – 4:00 pm**    **Next Steps –**  
*Kristen Atha*
- 4:00 pm**            **Adjourn**

**Please notify Lynn Kaufman at 614-233-4189 or LKaufman@morpc.org to confirm your attendance for this meeting or if you require special assistance.**

**The next Sustaining Scioto Board Meeting  
will be on June 24, 2020, 2:30 pm – Location TBD**

**William Murdock, AICP**  
*Executive Director*

**Karen J. Angelou**  
*Chair*

**Erik J. Janas**  
*Vice Chair*

**Chris Amorose Grooms**  
*Secretary*



# SUSTAINING SCIOTO BOARD MEETING

April 29, 2020



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

# WELCOME!



To conserve internet bandwidth for this call, please mute your microphone and turn off your video camera.

Please use the chat function to let us know if you have a comment or question.





# AGENDA



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1. Welcome and Introductions – *Kerstin Carr, Director of Planning & Sustainability, MORPC*
2. Sustaining Scioto Background – *Kristen Atha, Chair, and Mike Andrako, Vice Chair*
  - Purpose
  - Study Findings
  - How we got here
3. 2020 Priorities, Board Role, and Funding – *Brooke White and Brandi Whetstone, MORPC*
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5. Heidelberg University Water Quality Research and Monitoring – *Laura Johnson, Director, Heidelberg University National Center for Water Quality Research*
6. Next Steps – *Kristen Atha, Chair*

Next Meeting June 24, 2020 at 2:30pm

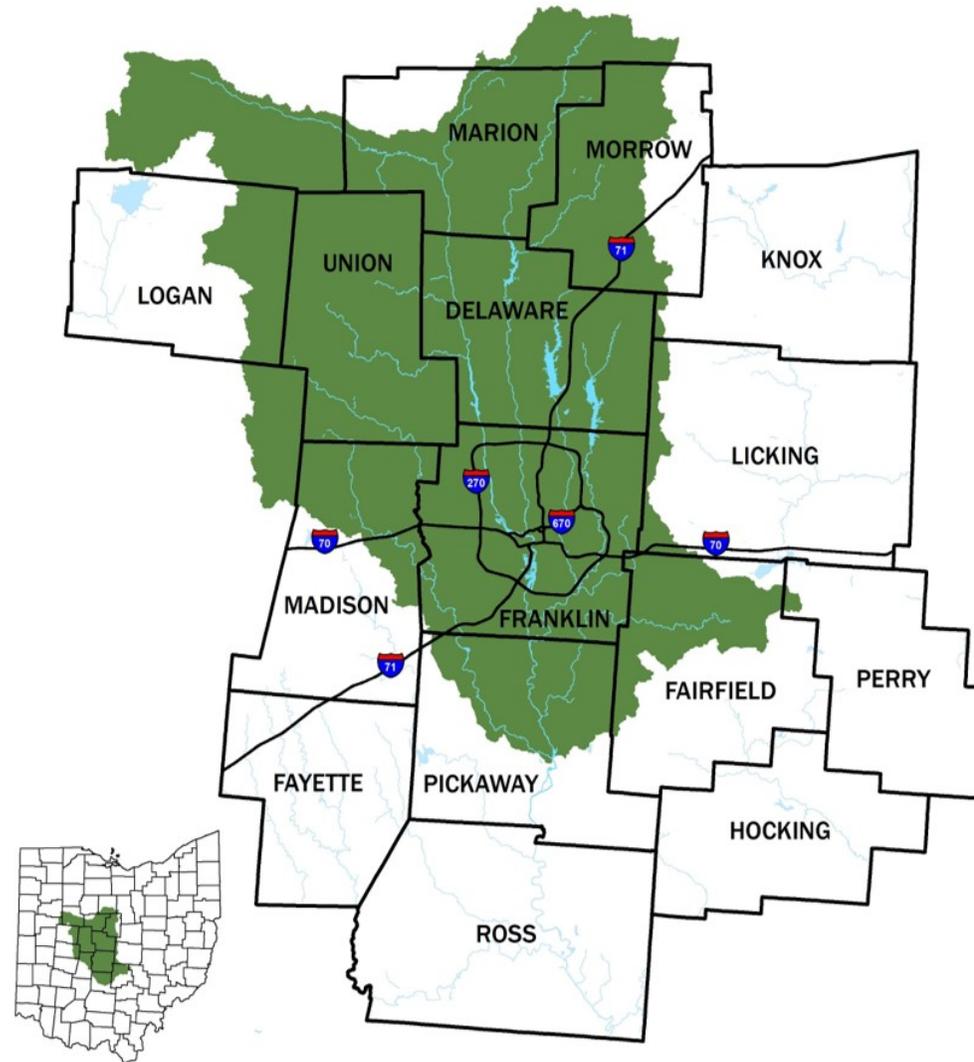


# SUSTAINING SCIOTO PURPOSE



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Sustaining Scioto's aim was to identify risks to the region's water resources due to climate change.





# SUSTAINING SCIOTO BACKGROUND



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## Understanding potential impacts of climate change to the region's water

The Upper Scioto Basin provides drinking water

...for close to...  
**2 MILLION PEOPLE**

in Central Ohio and beyond

Surface water from the Scioto River and its tributaries provide almost

**85%**

of the  
**REGION'S WATER SUPPLIES**

On average, Central Ohio receives just less than

**38 INCHES**

**ANNUAL PRECIPITATION**

Recent trends and models of future conditions indicate

**THE HISTORICAL RECORD WILL NOT BE A RELIABLE PREDICTOR**

of future patterns to be used as the basis for such plans and decisions.

Today, water utilities use historical weather records to make long-range plans about infrastructure, operations, and maintenance.

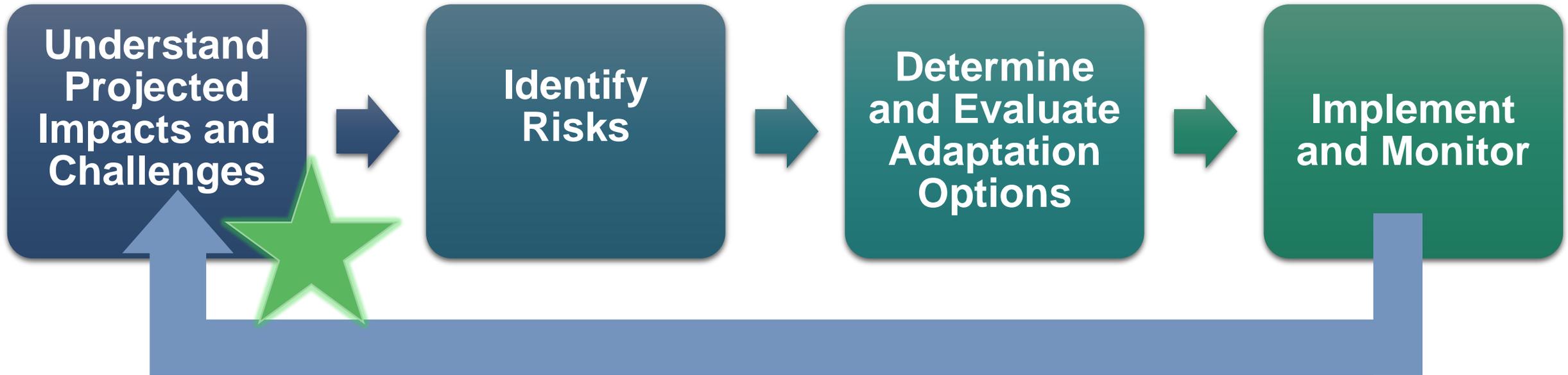
**SUCH PLANS TAKE YEARS TO IMPLEMENT AND CAN BE VERY COSTLY.**



# SUSTAINING SCIOTO PROCESS AND FINDINGS



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**Re-evaluate and adjust as new information becomes available**

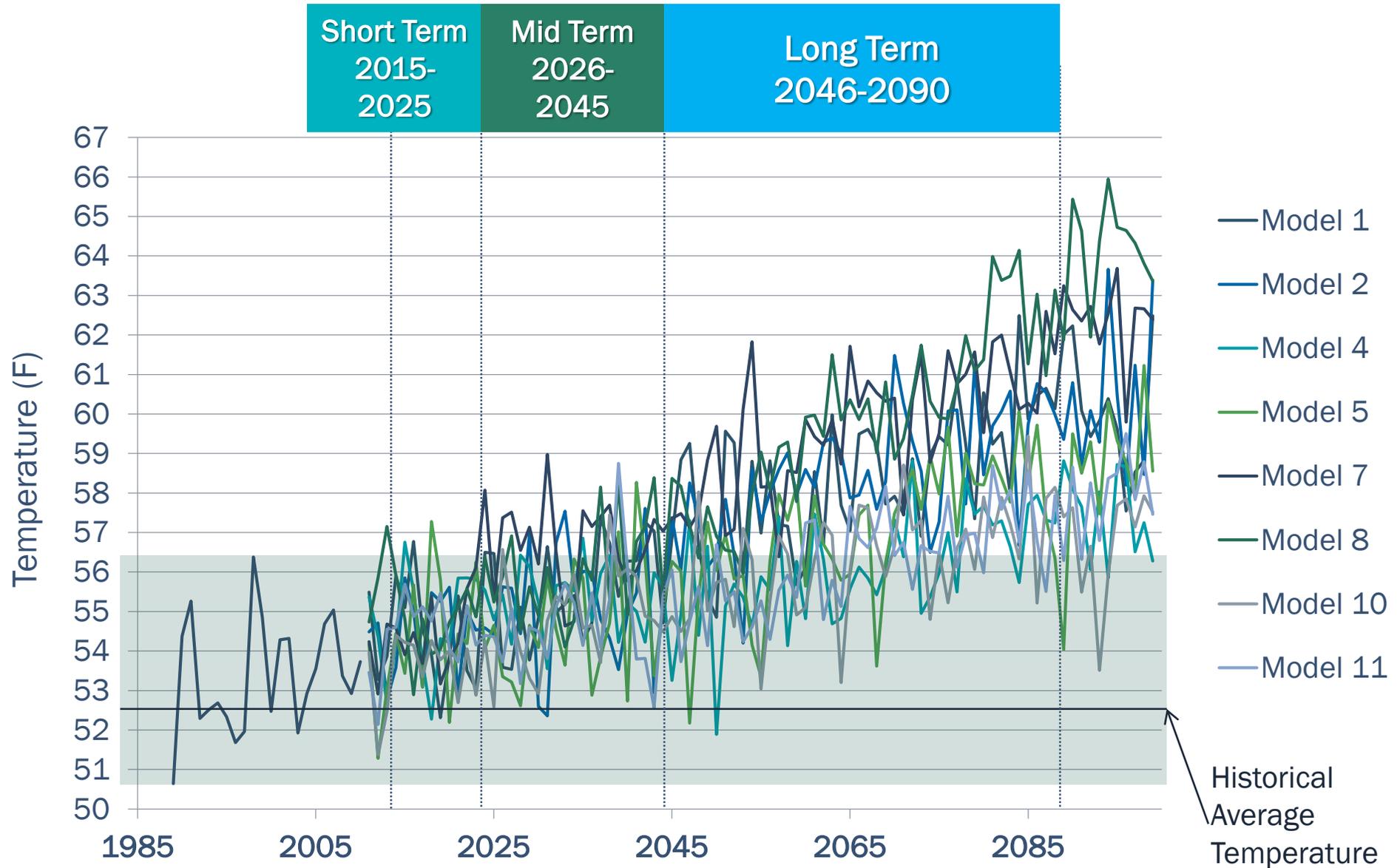


# CHANGING WEATHER PATTERNS



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Actual vs  
Projected  
Annual  
Mean  
Temp (F)







# SUSTAINING SCIOTO PROCESS AND FINDINGS



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**Re-evaluate and adjust as new information becomes available**



# THREATS & VULNERABILITY ASSESSMENT



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These are just a few of the threats and vulnerabilities that were identified:



Reduced Water Volumes



Increased Energy Bills



Loss of Power



Lower Water Quality



Increased Economic Burden of Repairs



Damage to Infrastructure



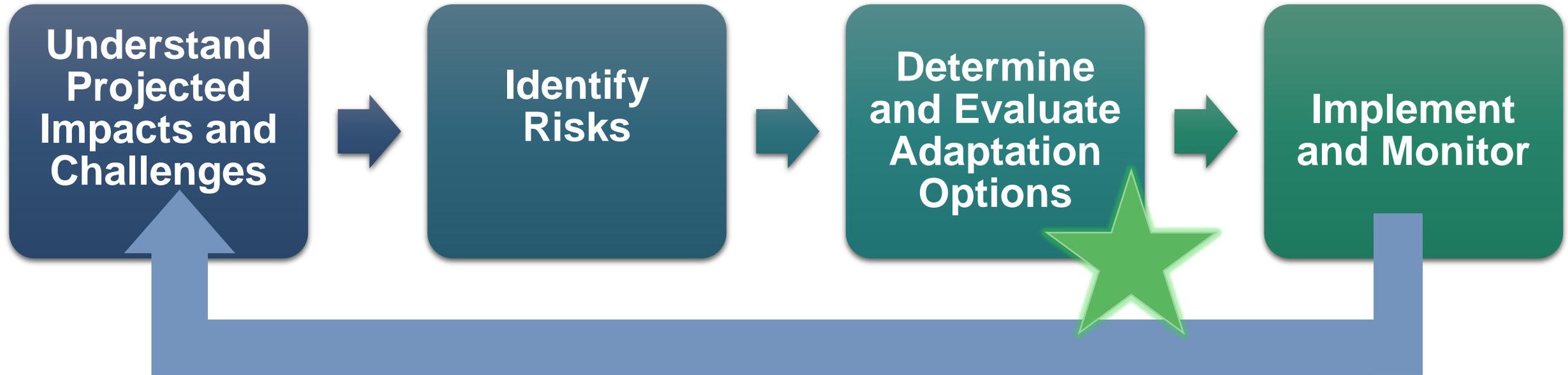
Increased Water Demand



# SUSTAINING SCIOTO PROCESS AND FINDINGS



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**Re-evaluate and adjust as new information becomes available**



# ADAPTIVE MANAGEMENT OPTIONS



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## Short Term (10 Years)

2015 – 2025

- Regional Collaborative Forum
- Public Education
- Improve Emergency Preparedness Capacities
- Enhance Operational Procedures (WQ Monitoring & Treatment SOPs)
- Resource Protection/Source Management

## Mid Term (10-30 Years)

2026 – 2045

- Regional Water Supply Planning
- Groundwater Supply Planning
- Water Reuse Planning
- Reservoir Capacity Planning
- Nutrient/Pollutant Reduction Planning and Implementation
- Re-evaluate climatic conditions

## Long Term (End of Century)

2046 – 2090

- Implement Improvements from Mid Term Plans
- Re-evaluate climatic conditions



# HOW WE GOT HERE



- What are we already doing?
- Which groups do we need to engage?
- Who can help us meet our objectives?



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Next Meeting June 24, 2020 at 2:30pm



# SUSTAINING SCIOTO IMPLEMENTATION PLAN



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## Short Term (10 Years)

2015 – 2025

- Regional Collaborative Forum
- Public Education
- Improve Emergency Preparedness Capacities
- Enhance Operational Procedures (WQ Monitoring & Treatment SOPs)
- Resource Protection/Source Management

LAYERS



Informed  
Decision  
Making



Prepared &  
Connected  
Communities



Resilient  
Infrastructure



Protected  
Resources



# 2020 PRIORITIES



## Informed Decision Making

- Strategy 1** Establish Leadership structure & sustainable program funding
- Strategy 2** Create and update climate data tools and projections to support planning and implementation initiatives
- Strategy 3** Develop and implement a comprehensive Water Quality Monitoring Program



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# 2020 PRIORITIES



## Prepared and Connected Communities

**Strategy 1** Establish Public Outreach Team

**Strategy 2** Develop Outreach Framework



## Protected Resources

**Strategy 1** Develop a cooperative program with agricultural community to reduce runoff pollutant loads



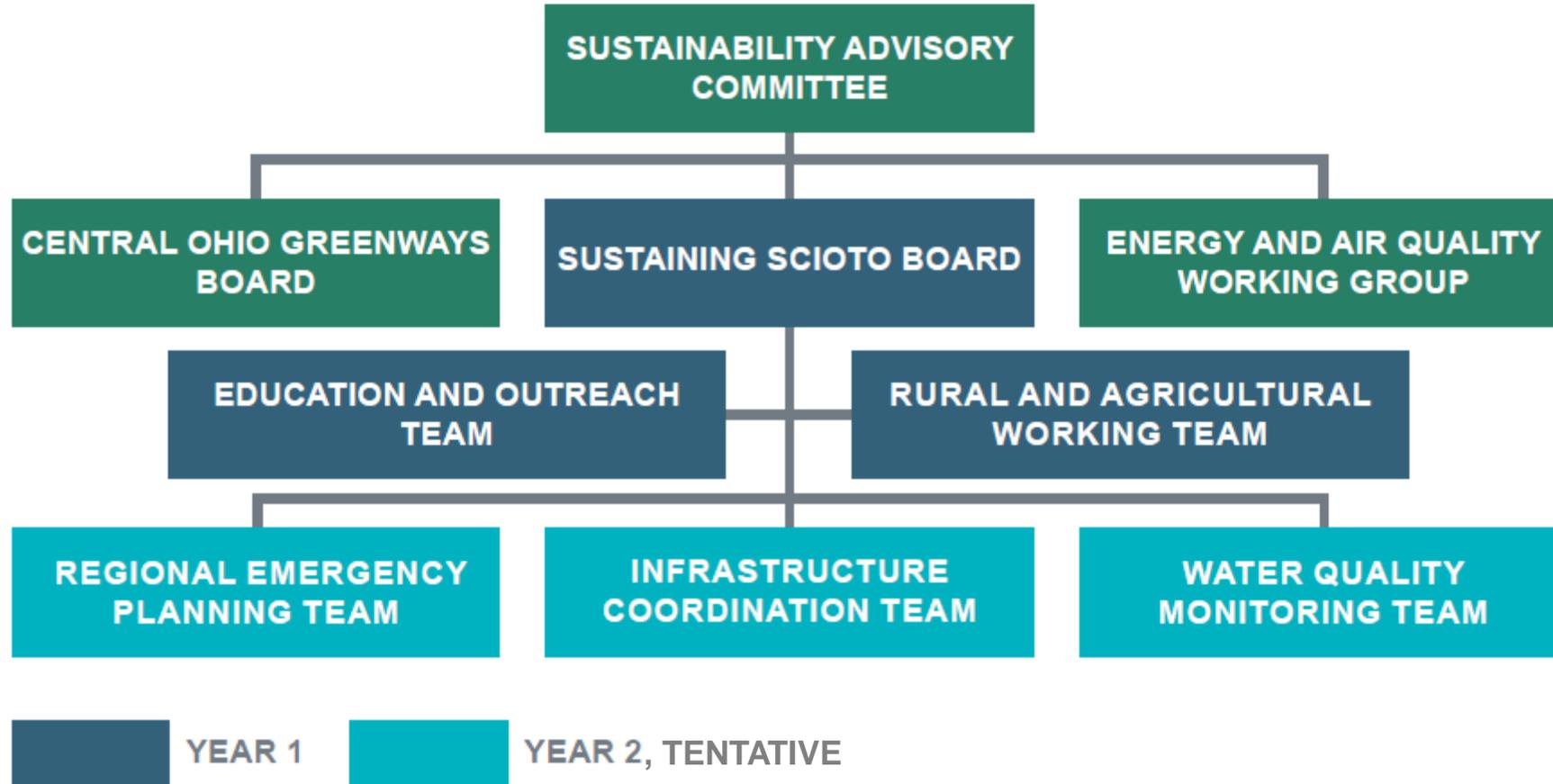
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# BOARD AND WORKING TEAMS ROLE



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# 2020 FUNDING OPPORTUNITIES



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## Ohio Water Development Authority Research and Development Grant Program

**Proposal Deadline**    October 2, 2020

**Funding Available**    \$200,000 per year **with match**  
3 years of renewal  
\$600,000 total





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**Kristen Atha**

*Chair*

Sustaining Scioto Board

Kristen.Atha@aecom.com

**Mike Andrako**

*Vice-Chair*

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