



MID-OHIO REGIONAL
MORPC
PLANNING COMMISSION

111 Liberty Street, Suite 100
Columbus, Ohio 43215
morpc.org

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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 Groomes
Secretary

SUSTAINING SCIOTO BOARD MEETING

April 29, 2020



MID-OHIO REGIONAL
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WELCOME!



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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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2. Sustaining Scioto Background – *Kristen Atha, Chair, and Mike Andrako, Vice Chair*
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6. Next Steps – Kristen Atha, Chair

Next Meeting June 24, 2020 at 2:30pm

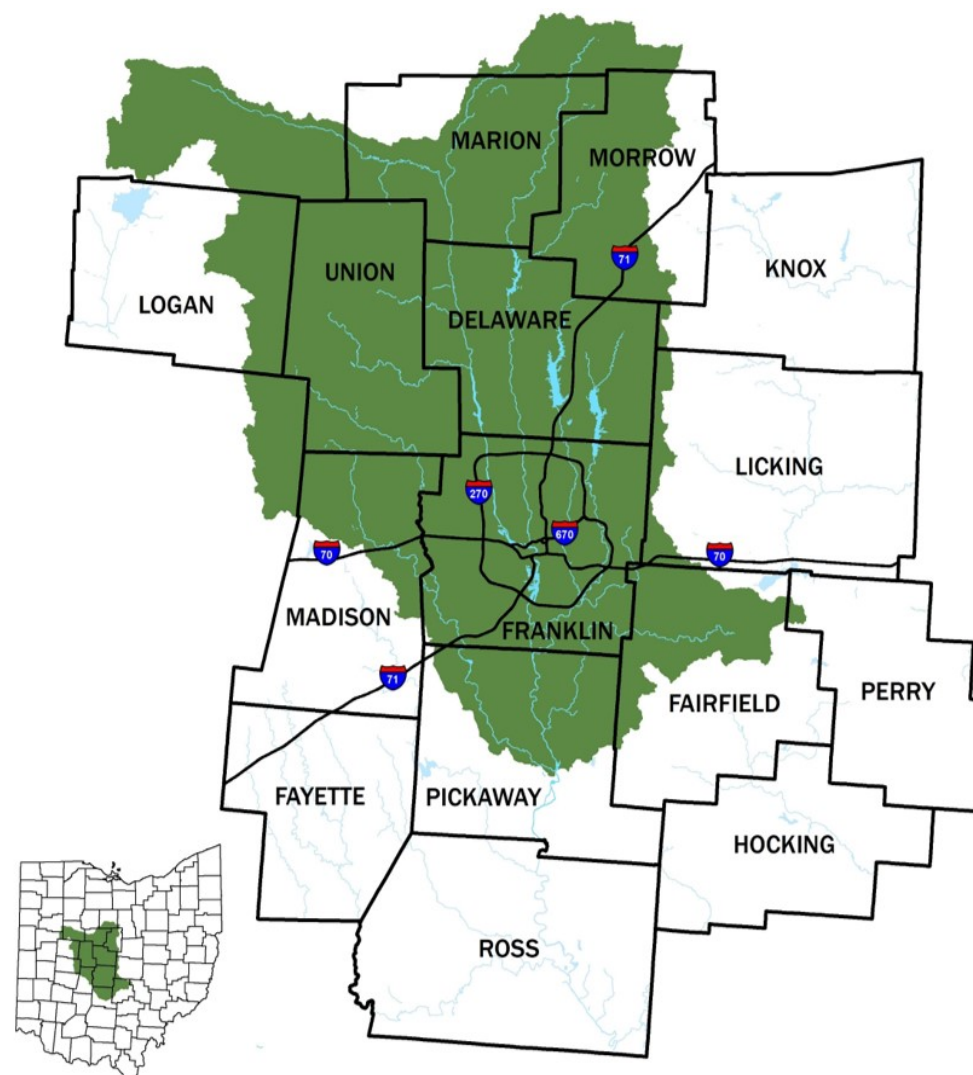


SUSTAINING SCIOTO PURPOSE



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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.

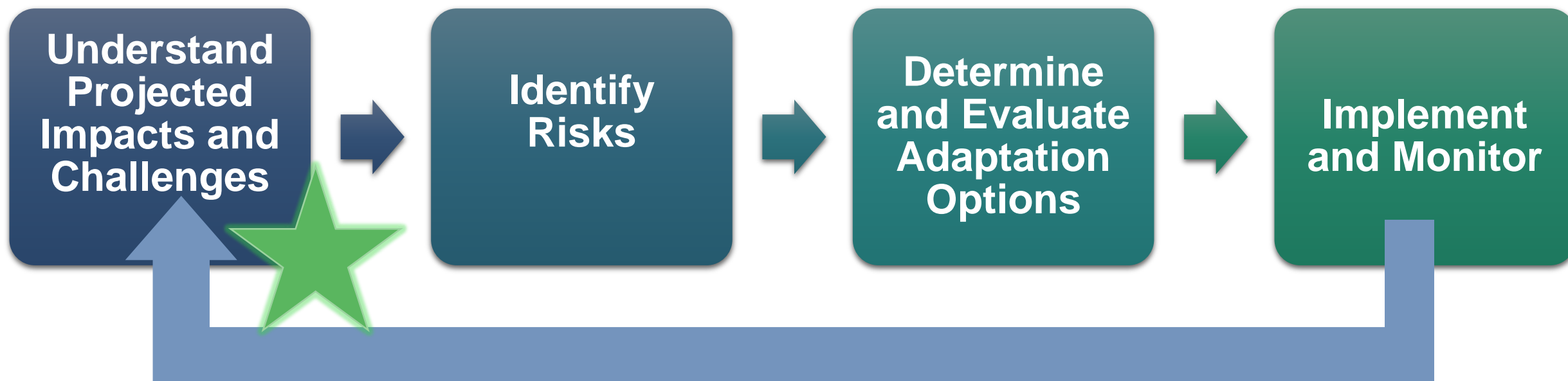
**SUCH PLANS
TAKE YEARS TO IMPLEMENT
AND CAN BE VERY COSTLY.**



SUSTAINING SCIOTO PROCESS AND FINDINGS



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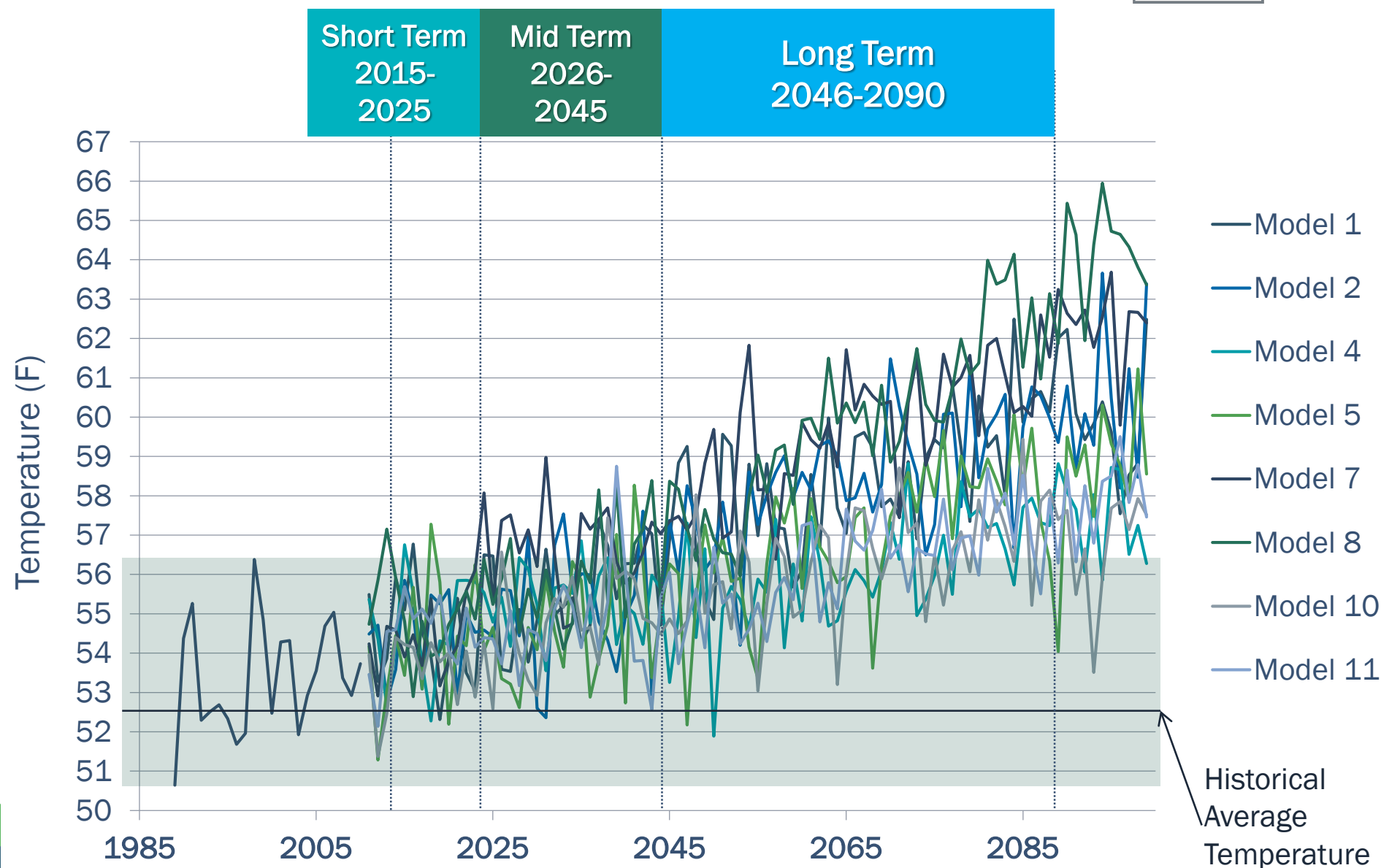


Re-evaluate and adjust as new information becomes available



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Actual vs Projected Annual Mean Temp (F)



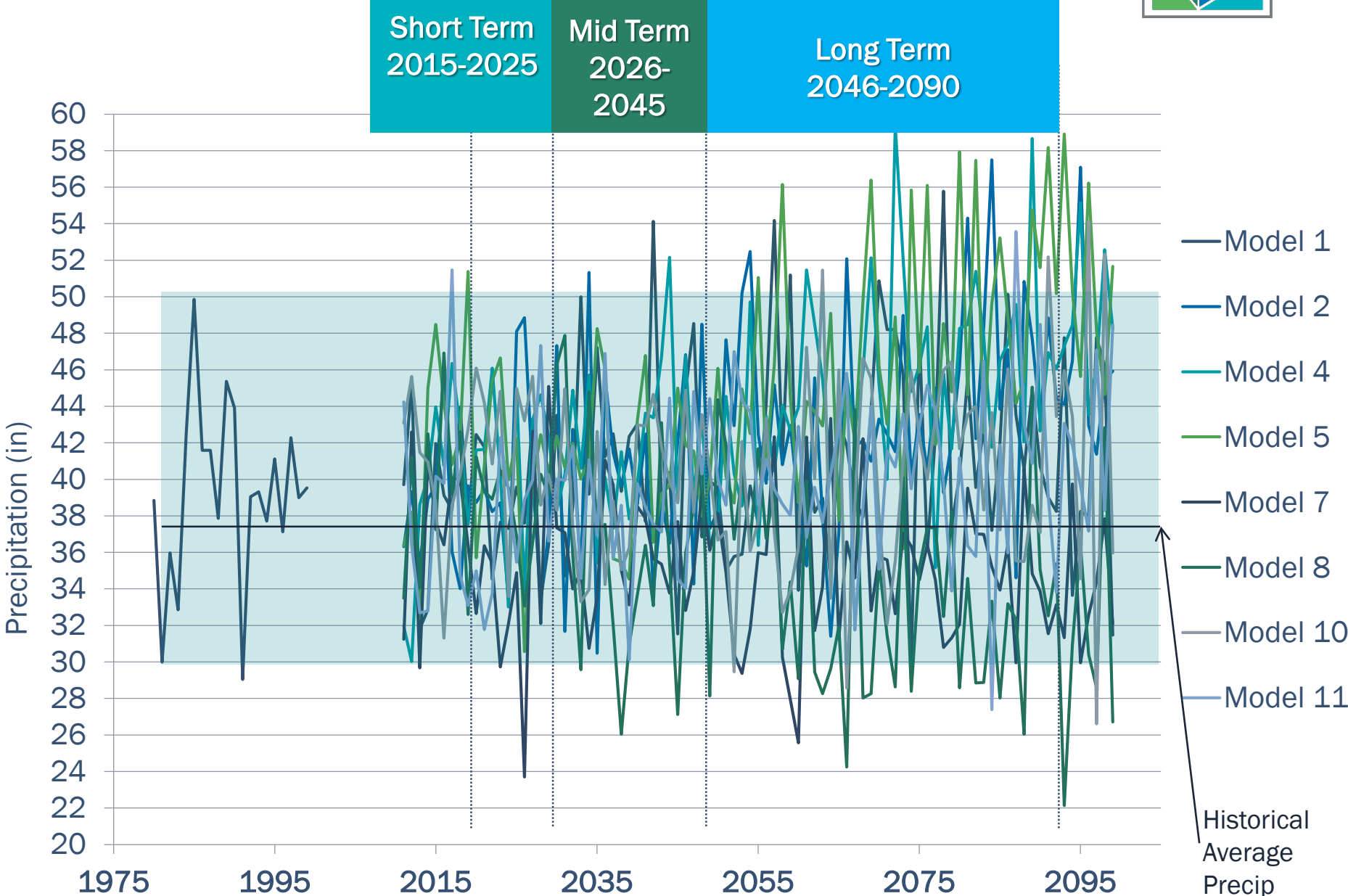


CHANGING WEATHER PATTERNS



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Actual vs
Projected
Annual
Mean
Precip (in)





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



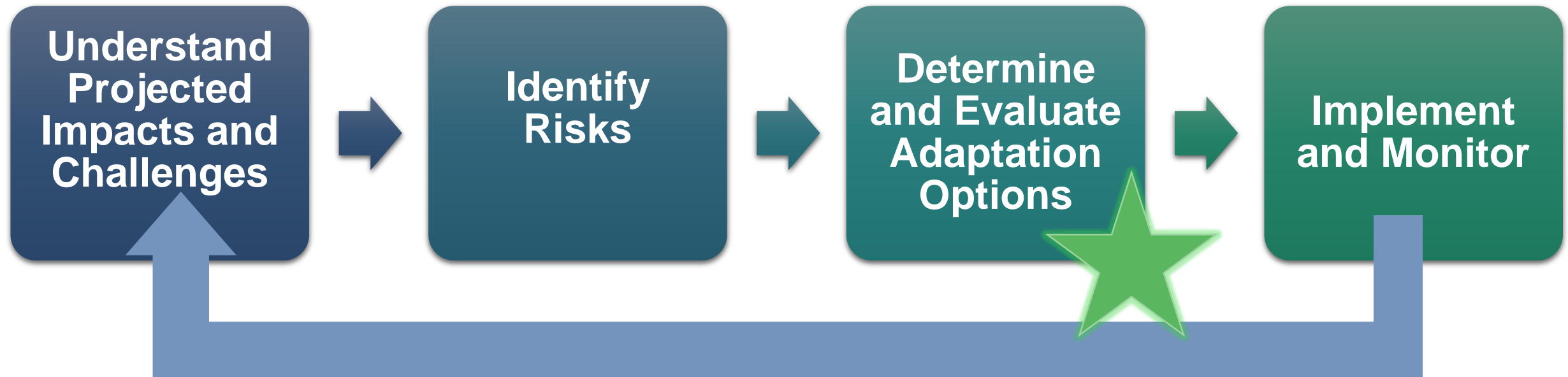
Increased Water Demand



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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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





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



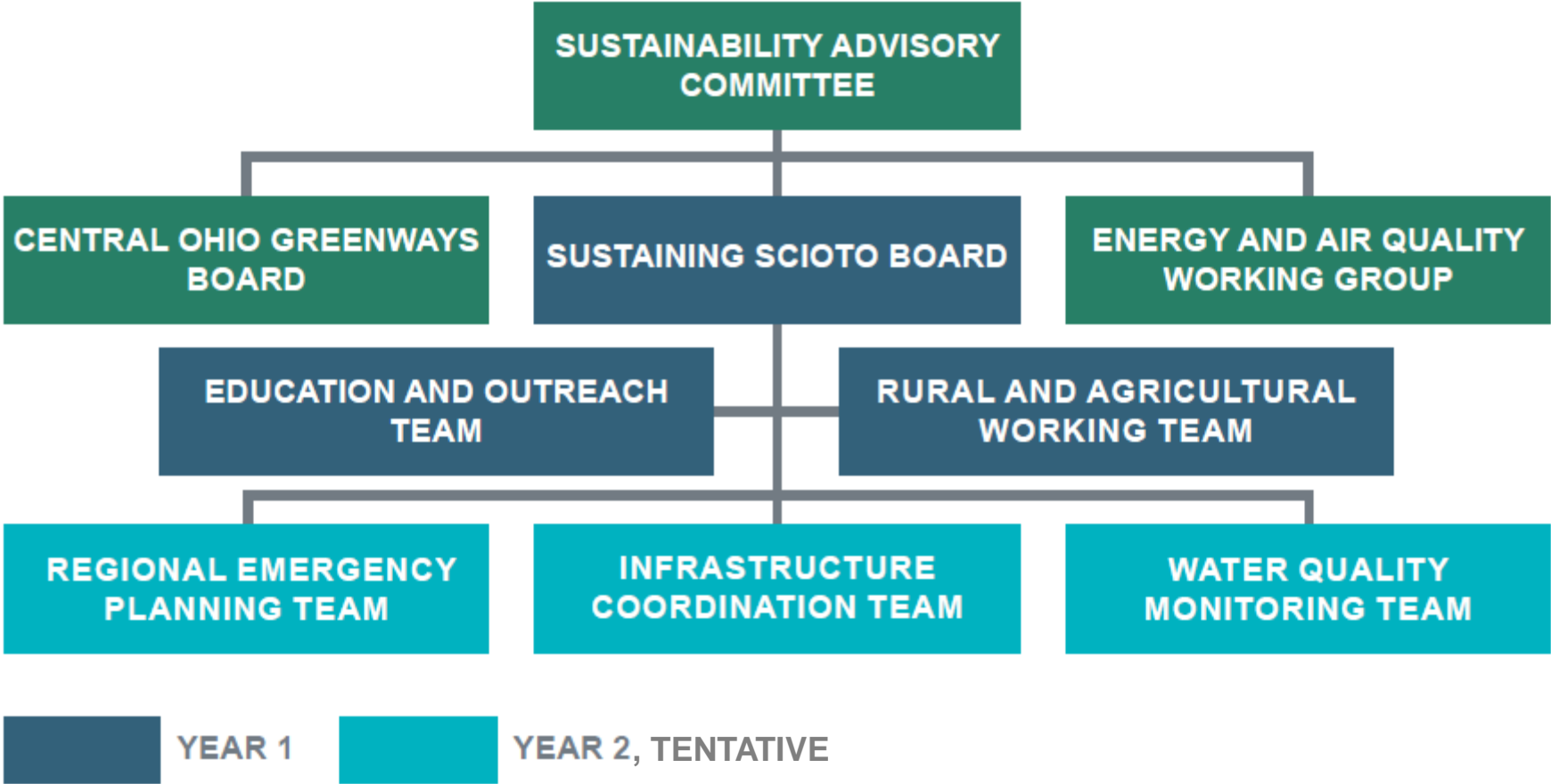
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BOARD AND WORKING TEAMS ROLE



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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

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Vice-Chair

Sustaining Scioto Board

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