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
SUSTAINING SCIOTO BOARD MEETING

April 29, 2020
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

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

4. Water Quality Overview of the Upper Scioto Watershed – Jeff Lewis, Environmental Supervisor, Ohio EPA Division of Surface Water

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’s aim was to identify risks to the region’s water resources due to climate change.
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 of 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

Understand Projected Impacts and Challenges → Identify Risks → Determine and Evaluate Adaptation Options → Implement and Monitor

Re-evaluate and adjust as new information becomes available
CHANGING WEATHER PATTERNS

Actual vs Projected Annual Mean Temp (F)

Model 1
Model 2
Model 3
Model 4
Model 5
Model 6
Model 7
Model 8
Model 9
Model 10
Model 11

Historical Average Temperature

Temperature (F)

1985 2005 2025 2045 2065 2085
CHANGING WEATHER PATTERNS

Actual vs Projected Annual Mean Precip (in)
SUSTAINING SCIOTO PROCESS AND FINDINGS

Understand Projected Impacts and Challenges → Identify Risks → Determine and Evaluate Adaptation Options → Implement and Monitor

Re-evaluate and adjust as new information becomes available
THREATS & VULNERABILITY ASSESSMENT

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

- Lower Water Quality
- Reduced Water Volumes
- Increased Economic Burden of Repairs
- Increased Energy Bills
- Damage to Infrastructure
- Loss of Power
- Increased Water Demand
SUSTAINING SCIOTO PROCESS AND FINDINGS

Understand Projected Impacts and Challenges

Identify Risks

Determine and Evaluate Adaptation Options

Implement and Monitor

Re-evaluate and adjust as new information becomes available
ADAPTIVE MANAGEMENT OPTIONS

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?
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

4. Water Quality Overview of the Upper Scioto Watershed—Jeff Lewis, Environmental Supervisor, Ohio EPA Division of Surface Water

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 IMPLEMENTATION PLAN

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
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
BOARD AND WORKING TEAMS ROLE

- SUSTAINABILITY ADVISORY COMMITTEE
  - CENTRAL OHIO GREENWAYS BOARD
  - SUSTAINING SCIOTO BOARD
  - ENERGY AND AIR QUALITY WORKING GROUP
    - EDUCATION AND OUTREACH TEAM
    - RURAL AND AGRICULTURAL WORKING TEAM
      - REGIONAL EMERGENCY PLANNING TEAM
      - INFRASTRUCTURE COORDINATION TEAM
      - WATER QUALITY MONITORING TEAM

YEAR 1 | YEAR 2, TENTATIVE
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
AGENDA

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

4. Water Quality Overview of the Upper Scioto Watershed – Jeff Lewis, Environmental Supervisor, Ohio EPA Division of Surface Water

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
AGENDA

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

4. Water Quality Overview of the Upper Scioto Watershed – Jeff Lewis, Environmental Supervisor, Ohio EPA Division of Surface Water

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
Kristen Atha  
Chair  
Sustaining Scioto Board  
Kristen.Atha@aecom.com

Mike Andrako  
Vice-Chair  
Sustaining Scioto Board  
mandrake@marysvilleohio.org

Brandi Whetstone  
Sustainability Officer  
Mid-Ohio Regional Planning Commission  
bwhetstone@morpc.org  
111 Liberty Street, Suite 100  
Columbus, OH 43215

Brooke White  
Sr. Air Quality Specialist  
Mid-Ohio Regional Planning Commission  
bwhetstone@morpc.org  
111 Liberty Street, Suite 100  
Columbus, OH 43215