Energy and Air Quality Working Group Meeting
Mid-Ohio Regional Planning Commission
Microsoft Teams Meeting
Tuesday, November 24th, 2020
2:00pm

AGENDA

1. Welcome. Dale Arnold, Chair (2:00 pm)

2. 2021 Working Group Priorities. Brooke White, MORPC (2:05pm)

3. Policy Update, Joe Garrity, MORPC (2:25 pm)

4. MORPC staff updates, MORPC staff (2:35pm)
   a. Regional Sustainability Agenda
   b. Clean Energy Acceleration Program survey results
   c. Energy Star partnership
   d. End of Ozone Season

5. Solar Subcommittee, Craig Foster, Energility (2:50pm)

6. Diversity and Environmental Justice Subcommittee update, Nolan Rutschilling, Ohio Hospital Association (3:00pm)

7. Air Quality Monitoring Subcommittee, Ayaz Hyder, The Ohio State University (3:10pm)

8. Chair and Vice Chair Election, Dale Arnold, Chair (3:20pm)

9. Adjourn (3:30pm)

Please Notify Brooke White 520-331-4359 or bwhite@morpc.org to confirm your attendance.

The next Energy and Air Quality Meeting is
January 26th, 2021 2:00pm
Mid-Ohio Regional Planning Commission
Remote Meeting
Energy and Air Quality Working Group
Meeting Notes

September 22, 2020, 2:00 pm

Members Present

Chair Dale Arnold, Ohio Farm Bureau
Andrew May, OSU
Federal Federation
Zach McGuire, Smart Columbus
David Celebrezze, City of Columbus
Nick Plouck, City of Dublin
Erica Fetty-Davis, Ohio EPA
Eric Porr, Clear Result
Ryan Foshee, ICF
Matthew Pratola, OSU
Craig Foster, Energility
JM Rayburn, City of Dublin
Andrew Hall, Ohio EPA
Nolan Rutschilling, Ohio Hospital Association
Maged Kaafy, DNVGL
Samantha Schneider, City of Columbus
Paul Kennedy, Columbus Regional Airport
Ira Weiss, Fairfield Heritage Trail Authority
Authority

MORPC Staff Present
Jon-Paul d’Aversa Ted Geer Brooke White
Mary-Ann Frantz Lynn Kaufman
Joe Garrity Brandi Whetstone

Meeting Called to Order at 2:04 pm

Policy Update – Joe Garrity, MORPC

Ohio EPA Update
Member Erica Fetty-Davis reported that the Central Ohio region has had only one exceedance of the 70 parts per billion standard this year, which was on July 6. Central Ohio has been in attainment since 2019. Cincinnati and Cleveland have been having more incidents of ozone exceedance and they are currently not in attainment.

The 2019 Air Quality report should be released sometime in November on the EPA’s website.

MORPC Staff Updates
Energy
• Commission Members recently approved MORPC’s pursuit of a SolSmart designation as a regional organization.
• MORPC will pursue an Energy Star partnership which will help MORPC provide technical assistance for members.
• The 2019 City of Columbus Greenhouse Gas Inventory is currently with the City for final review.
• MORPC is in the process of being audited by Energility, and staff has been in discussions with the owner of 111 Liberty Street to do as much retrofitting as the agency can afford during renovation.
Summit on Sustainability
The Summit on Sustainability will be held on October 15. This year MORPC is partnering with the Atlanta Regional Commission, and the Summit will be completely virtual. Members may register on the MORPC website.

Regional Sustainability Agenda Subcommittee
The Subcommittee’s goal while creating an updated Sustainability Agenda is to have a thoughtful and inclusive process with a strong focus on social equity within the sustainability work. The Subcommittee plans to hire a consultant from the Kirwan Institute at OSU to provide additional input and analysis to incorporate a social equity focus. The consultant and MORPC staff will host a virtual workshop for interested parties in November.

Air Quality Marketing Update
The Air Quality Marketing effort is using social media platforms and highlighting the health focus of air quality. MORPC staff is also creating an Air Quality booklet that can be shared with physicians to in turn share with their patients.

Solar Subcommittee
Member Craig Foster reported that pursuing the SolSmart designation is a way of getting recognition for what MORPC is doing with regard to solar power. MORPC’s Commission Members recently approved the pursuit of a SolSmart designation as a regional organization, which will require the completion of a workbook with supporting documentation, as well as identifying and implementing additional activities as needed for the designation.

Craig and MORPC staff are asking the Working Group to approve changing the name of the Solar Toolkit Subcommittee to the Solar Subcommittee, and to direct the Subcommittee to complete the requirements of the SolSmart designation, and to identify and propose recommendations addressing regional solar needs.

Member Foster moved to change of the Solar Toolkit Subcommittee to the Solar Subcommittee and to pursue the SolSmart designation. Member Weiss seconded. Motion carried.

Diversity and Environmental Justice Subcommittee
Member Nolan Rutschilling reported that the purpose of the Subcommittee is to identify energy and air quality equity issues, and to propose solutions that include recommendations to MORPC’s internal structures, as well as how the region is engaged. The Subcommittee will work to build diversity and inclusiveness by asking how energy and air quality issues affect typically excluded communities, how to include a diverse population in the conversation, and how lasting solutions can be encouraged and implemented.

The Subcommittee’s Timeline:
Q4 2020  Conduct outreach to increase the diversity and inclusiveness of perspectives on the Energy & Air Quality Working Group prior to convening the Subcommittee
Q1 2021  Develop an initial roster of Subcommittee Members to provide representation of traditionally underserved communities and perspectives typically excluded in planning processes and policy development. The initial roster will vote on a Chair, Vice-Chair and develop a work plan.
Q2 2021  Propose recommendations that internalize diversity and community inclusion in MORPC’s energy and air quality activities

Adjourned at 3:10 pm.
2020 Year in Review and 2021 Priorities - Topics

2020 Themes:
• Municipal solar and climate change actions
• Trends in Energy and Policy
• Impacts of policies on community health

2021 Themes:
• What topics do we want to hear more about in 2021?
• Suggested Speakers?
2020 Year in Review and 2021 Priorities - Subcommittees

• Subcommittee Achievements
  • Solar Subcommittee
    • Solar Toolkit
    • Groundwork for Sol Smart designation
  • Air Quality Monitoring Subcommittee
    • Visioning of project focus
    • Partnership with Thriving Earth and Franklin County Public Health for plan development and resource access
    • Groundwork for collocation with Ohio EPA monitors
    • Pilot deployment during pandemic shutdown
  • Diversity Subcommittee
    • Groundwork for diversity outreach
2020 Year in Review and 2021 Priorities - Subcommittees

• 2021 Subcommittee Direction
  • Solar Subcommittee
    • Achieving Sol Smart designation
  • Air Quality Monitoring Subcommittee
    • Performing collocation
    • Subsequent siting of monitors in neighborhoods
    • Collecting data
    • Presentations to community, creation of webpage
    • Creation of educational module using the local data
  • Diversity Subcommittee
    • Developing diversity group roster
    • Developing work plan
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Policy Update

Joe Garrity
MORPC Staff Updates

Regional Sustainability Agenda
Clean Energy Acceleration Survey Results
Energy Star Partnership
End of Ozone season
Sustainability Updates

Brandi Whetstone, Sustainability Officer
Energy & Air Quality Working Group
November 24, 2020
REGIONAL SUSTAINABILITY AGENDA UPDATE

GOAL 1

Reduce per capita ENERGY CONSUMPTION and promote alternative fuel resources to increase affordability and resilience of regional energy supplies.

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>2020 TARGET</th>
</tr>
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<tbody>
<tr>
<td>1.1</td>
<td>9,200 VMT per capita (5% reduction)</td>
</tr>
<tr>
<td>1.2</td>
<td>6% of commuters drive alone and increase the percentage of commuters using transit, biking, or walking.</td>
</tr>
<tr>
<td>1.3</td>
<td>33% of registered vehicles use alternative fuels (data and methodology under development)</td>
</tr>
<tr>
<td>1.4</td>
<td>4.3 million Central Ohio Economic tool miles traveled annually</td>
</tr>
<tr>
<td>1.5</td>
<td>220 alternative fuel stations (50% increase)</td>
</tr>
<tr>
<td>1.6</td>
<td>Reduce per capita energy consumption across all sectors</td>
</tr>
<tr>
<td>1.7</td>
<td>Increase the number of local renewable energy projects and generating capacity</td>
</tr>
</tbody>
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GOAL 2

Protect NATURAL RESOURCES and mitigate infrastructure vulnerabilities to maintain a healthy ecosystem and community.

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>2020 TARGET</th>
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<tbody>
<tr>
<td>2.1</td>
<td>Reduce emissions to meet federal air quality standards</td>
</tr>
<tr>
<td>2.2</td>
<td>Increase the number of people receiving air quality information and education</td>
</tr>
<tr>
<td>2.3</td>
<td>Reduce the amount of municipal solid waste per capita disposed in the landfill</td>
</tr>
<tr>
<td>2.4</td>
<td>Minimize greenfield development and promote urban area between 2010 and 2020</td>
</tr>
<tr>
<td>2.5</td>
<td>Reduce per capita water consumption</td>
</tr>
<tr>
<td>2.6</td>
<td>Improve water quality in the Upper Scioto Watershed</td>
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GOAL 3

Position Central Ohio to attract and retain ECONOMIC OPPORTUNITY to prosper as a region and compete globally through sustainable practices and solutions.

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<tr>
<th>OBJECTIVE</th>
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<tbody>
<tr>
<td>3.1</td>
<td>Increase the number of businesses in Central Ohio that established sustainability policies and practices</td>
</tr>
<tr>
<td>3.2</td>
<td>Increase the number of adopted institutional purchasing policies that support the purchase of local foods</td>
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GOAL 4

Create SUSTAINABLE NEIGHBORHOODS to improve residents’ quality of life.

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<th>OBJECTIVE</th>
<th>2020 TARGET</th>
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<tbody>
<tr>
<td>4.1</td>
<td>Encourage MORPC member communities to adopt complete streets policies or policies that contain those elements</td>
</tr>
<tr>
<td>4.2</td>
<td>Target infrastructure development to serve a higher number of people, and increase sidewalk, bike trail, and bus shelter coverage of corridors and collectives</td>
</tr>
<tr>
<td>4.3</td>
<td>Reduce the number of fatalities and serious injuries from crashes</td>
</tr>
<tr>
<td>4.4</td>
<td>Target transit and roadway infrastructure development to serve a higher number of people</td>
</tr>
<tr>
<td>4.5</td>
<td>Increase the area number of income eligible households receiving free weatherization and safety-related home repairs</td>
</tr>
<tr>
<td>4.6</td>
<td>Increase the number of Central Ohio Communities urban food hubs</td>
</tr>
</tbody>
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GOAL 5

Increase regional COLLABORATION and educational opportunities to advance innovative sustainability solutions.

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<tr>
<th>OBJECTIVE</th>
<th>2020 TARGET</th>
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<tbody>
<tr>
<td>5.1</td>
<td>Increase attendance by 10% annually</td>
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MORPC
• Workshop November 18 – Focused on equity considerations within the context of sustainability, and input on high level priorities to further shape the RSA framework and the top equity considerations.
• There will be other opportunities for review and input along the way
GOAL 1: Improve air quality to protect public health and reduce energy consumption and emissions to reduce the impacts of climate change.

GOAL 2: Protect and preserve natural resources to support healthy and resilient communities and ecosystems.

GOAL 3: Create sustainable neighborhoods and assure equitable access for all residents to sustainable neighborhoods to improve residents' quality of life.
REGIONAL SUSTAINABILITY DASHBOARD

Track the status of Central Ohio’s collective sustainability efforts.

rsd.morpc.org
About the MORPC

Regional Sustainability Dashboard

Interested to know how Central Ohio is progressing toward a more sustainable future? Keep reading to learn more about the Mid-Ohio Regional Planning Commission's (MORPC’s) Regional Sustainability Dashboard, the official source for information on Central Ohio’s sustainability goals.
CURA AND MORPC TEAMS

Adam Porr
Katie Phillips
Harvey Miller
Ningchuan Xiao

Natalie Hurst
Brandi Whetstone
Aaron Schill
MARKETING AND OUTREACH

• Summit breakout session and press release
• Business First Insert
• Social media
• Video for Collaborative Achievement Award
• Communications toolkit – created just for you!

ONLINE DASHBOARD HIGHLIGHTS
THE REGION’S PROGRESS ON SUSTAINABILITY

Central Ohio can use the advantage of an interactive, online dashboard that provides real-time information, all up to date on the region’s sustainability.

The Ohio State University Center for Urban and Regional Planning and MORPC – in the guidance of a working group – developed the new Regional Sustainability Dashboard. This dashboard is a regional tool for more than 70 members charted of counties, cities, villages, townships, etc.

progress in a glance to find out whether or not the region is trending in a particular direction or any given objective.

The dashboard helps users: actions that have been conducted toward the goal of making the region more sustainable.

GOAL 1: REGIONAL ENERGY CONSUMPTION AND PRODUCTION

GOAL 2: WASTE MINIMIZATION

GOAL 3: ENERGY CONSUMPTION - How Central Ohio can conserve energy by reducing per energy use, urban energy use, and alternative transportation modes.

GOAL 4: WATER CONSERVATION - Reduce water consumption and improve water quality.

GOAL 5: AIR QUALITY - Improve air quality and outdoor recreation.

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Visit rsd.morpc.org
Happy Thanksgiving and be safe!
CEAP and Survey Results

EAQ Working Group – November 24, 2020
• CEAP seeks to move member operations to 100% clean energy as fast as is economically possible.
Clean Energy Acceleration Program

**Benchmarks**

- All accounts in portfolio

**ASHRAE Level II Energy Audits**

- Energy Efficiency
- Solar Assessment

**Grid-Level Renewable Purchases**

- Existing 100% RE Option
- PPA
- Aggregation

**Strategic Energy Guidance Document**

- Time-maps efficiency and onsite generation for minimal costs
- Provides workplace policy recommendations

Local Government moves forward with:

- Efficiency measures
- On-site generation development
- Grid-level purchases
- Integrates workplace policies

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Portfolio Manager / Utility Program

MORPC

Energy Contractor

Supplier

Energy Contractor

Supplier

Local Government
In October, MORPC conducted a survey to gauge interest in the Clean Energy Acceleration Program (CEAP).

Although some respondents have completed some of the tasks, all components are of interest. (No one said “we’re not interested”)

Grid-level renewable purchases and workplace policies were the most interesting to respondents.

100% of respondents are interested in grid-level renewables and 38% would even pay more if necessary.

33% of respondents have conducted energy audits for at least one building within the last 5 years.

56% of respondents have already conducted solar assessments for at least one building.

100% would be willing take the portfolio approach for CEAP components.

100% would be willing to participate if the components were free.
• Benchmarking
  • MORPC is developing a MOU for data sharing via Portfolio Manager
  • Columbia Gas data can be automated (through 2022)
  • AEP Ohio data is on hold pending HB6 outcomes/filing approvals, although they hope to continue it

• ASHRAE Level II Audits
  • MORPC is currently pursuing a program to provide members with free audits
  • Audits available via Columbia Gas (50% paid up to $5,000)

• Official program launch (possibly Q1, probably Q2 2021)
ENERGY STAR® Partnership

• MORPC is now an ENERGY STAR Partner
• What does this mean?
  • Tools, trainings and technical resources available to MORPC staff and members
  • Ability to submit MORPC and member activities for ENERGY STAR awards
Jon-Paul d’Aversa, AICP
Senior Energy Planner
Mid-Ohio Regional Planning Commission
T: 614.233.4137
jpdaversa@morpc.org
111 Liberty Street, Suite 100
Columbus, OH 43215
End of Ozone Season – Oct 31st

Ozone Daily AQI Values, 2018 to 2020
Columbus, OH
2020 OZONE POLLUTION is 18% below 2015-2019 average before June

2020 OZONE POLLUTION is 3% below 2015-2019 average since June

End of Ozone Season – Oct 31st
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Solar Subcommittee

Craig Foster
Diversity and Environmental Justice Subcommittee

Nolan Rutschilling
Air Quality Monitoring Subcommittee

Brooke White
Thank you!