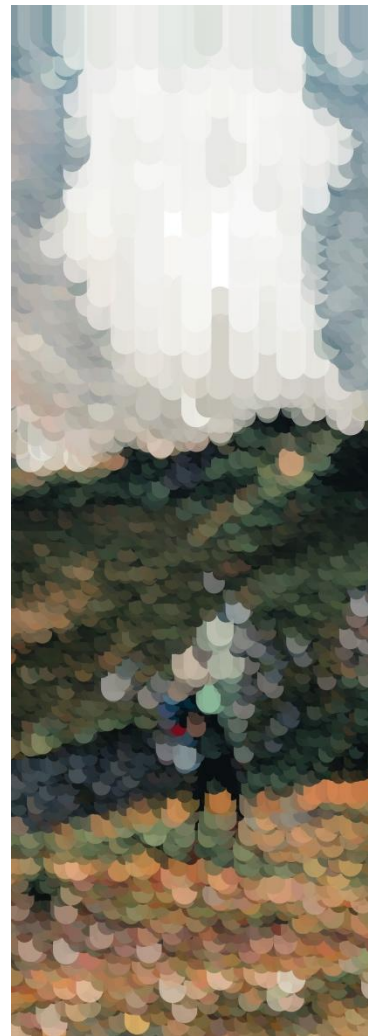


Comprehensive Climate Action Plan for the Miami Valley Region

Miami Valley Regional Planning Commission

Sustainability
Solutions Group



Today's agenda

01

Engagement updates

02

Region-wide targets

03

The role of the MVRPC

04

Project timeline

PART 1

Engagement Update

Listening sessions Low income and disadvantaged communities

Dayton Metro Library West Branch in Dayton

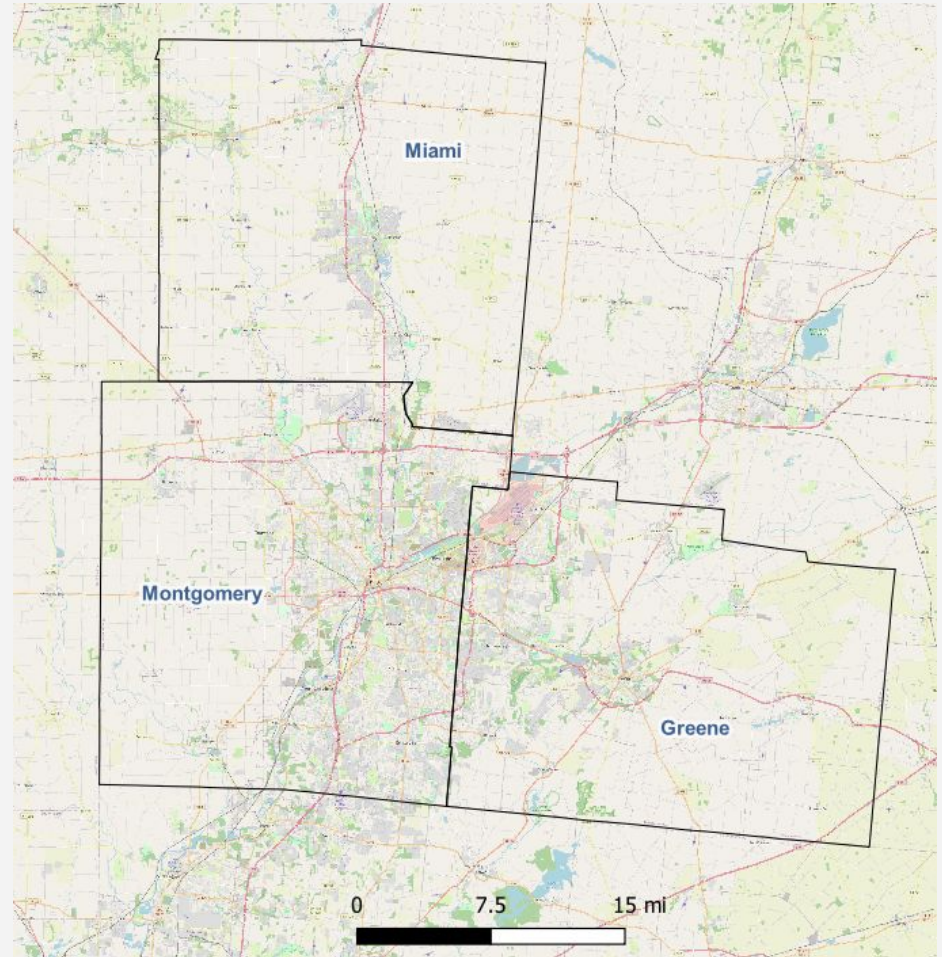
Feb 25th

47 people participated

Fairborn FISH Food Pantry in Fairborn

Feb 13th

8 people participated



What we heard

Sectors most relevant to participants

Buildings

Transportation

Followed by

Energy

Circular economy

Most common topics in these sectors are...

Revitalizing neighborhoods by...

Investing in the built environment (ex: building retrofits, solar panels in existing roof)

More compact/dense cities

Walking and biking infrastructure over EV infrastructure

Green spaces in vacant lots and native forests

What we heard

Key enablers raised by the community

Updating old ordinances
and zoning regulations

Education for all in
transportation, waste,
energy, and financial
literacy

Sense of community
among residents and
neighborhoods

PART 2

What are the region targets to address these concerns?

Big Move 1: Affordable and sustainable buildings

Achieve 50% reduction of building energy use intensity (EUI) per unit of floor area by 2035 and 60% by 2045. Apply to 100% of the buildings by 2045, starting with social housing units.

Big Move 2: Clean Transportation for All

Achieve at least 20% of trips to be taken by modes other than driving by car (drive alone) by 2040. County-based targets.

Big Move 3: Green Energy

100% renewable energy for municipal buildings by 2035.

100% carbon-free electricity generation by 2035 community-wide, implementing solar rooftops and community-solar projects.

**Community First
Scenario**

Big Move 1: Affordable and sustainable buildings

Achieve a 20% reduction in building energy use intensity by 2030, relative to reference year (2021), and 30% reduction by 2040.

Big Move 2: Clean Transportation for All

Focus on vehicle electrification only: municipal, private, heavy-duty, and off-road.

Big Move 3: Green Energy

Rapid deployment of large scale renewable energy projects.

Different penetrations of wind and solar energy.

**Energy Transition
Scenario**

PART 3

What is the role of the MVRPC in making these targets happen?

Big Move 1: Affordable and sustainable buildings

Creating a region-wide network of skilled and certified contractors
Coordinating training and capacity building instances for contractors and educational institutions

Setting up incentives, such as:

- Property Assessment Clean Energy program (PACE)
- Regional revolving fund, where the MVRPC is administrator and coordinator
- Regional Retrofit Fund

Big Move 2: Clean Transportation for All

Implementation of the Active Transportation Plan

Providing funding opportunities
Securing additional funding from State and federal agencies
Developing a communication campaign for residents and businesses
Creating a technical advisory group to support local governments

Big Move 3: Green Energy

Coordinate Electric Aggregation Program region-wide

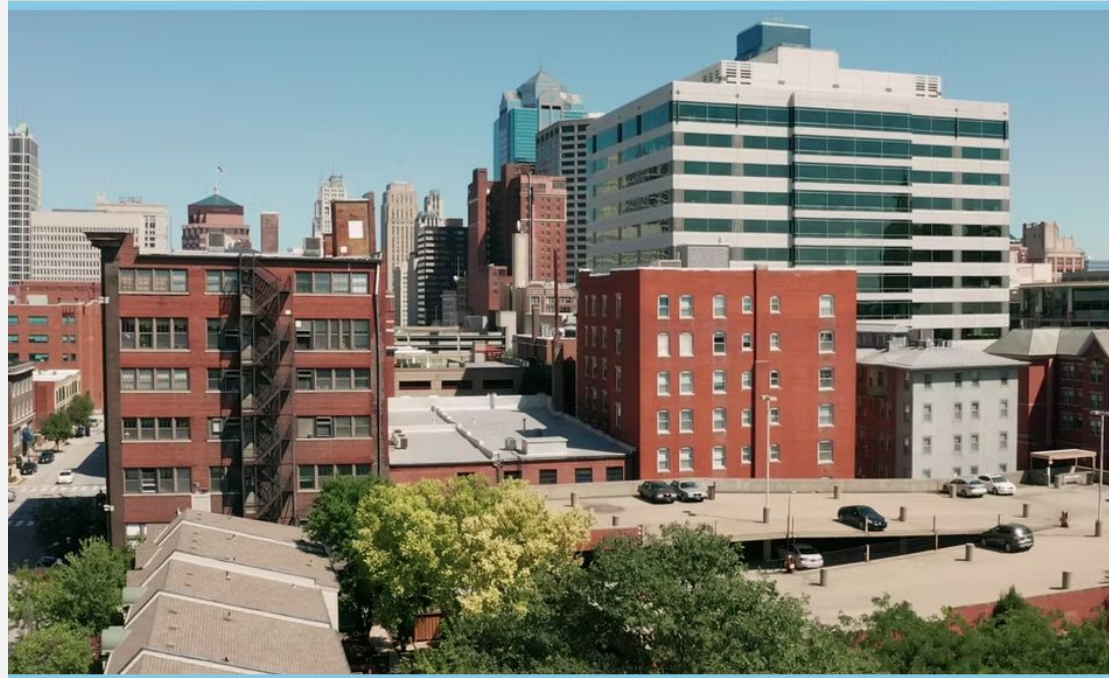
Build a network with other cities (Cincinnati, Columbus) to advocate for clean energy

Region-wide bulk purchasing of solar panels for municipal buildings

What other regions are doing?

Building Energy Exchange -
Kansas City

Led by the The Mid-America
Regional Council (MARC) -
Kansas City Region



What other regions are doing?

San Francisco Bike Share Capital Program

Bike Share Capital Program

MTC's Bike Share Capital program provided grants to help launch bike sharing in counties across the Bay Area.



What is the role of the MVRPC in making these targets happen?

Buildings

Creating a region-wide network of skilled and certified contractors
Coordinating training and capacity building instances for contractors and educational institutions

Setting up incentives, such as:

- Property Assessment Clean Energy program (PACE)
- Regional revolving fund, where the MVRPC is administrator and coordinator
- Regional Retrofit Fund

Transportation

Implementation of the Active Transportation Plan

Providing funding opportunities
Securing additional funding from State and federal agencies
Developing a communication campaign for residents and businesses
Creating a technical advisory group to support local governments

Energy

Coordinate Electric Aggregation Program region-wide

Build a network with other cities (Cincinnati, Columbus) to advocate for clean energy

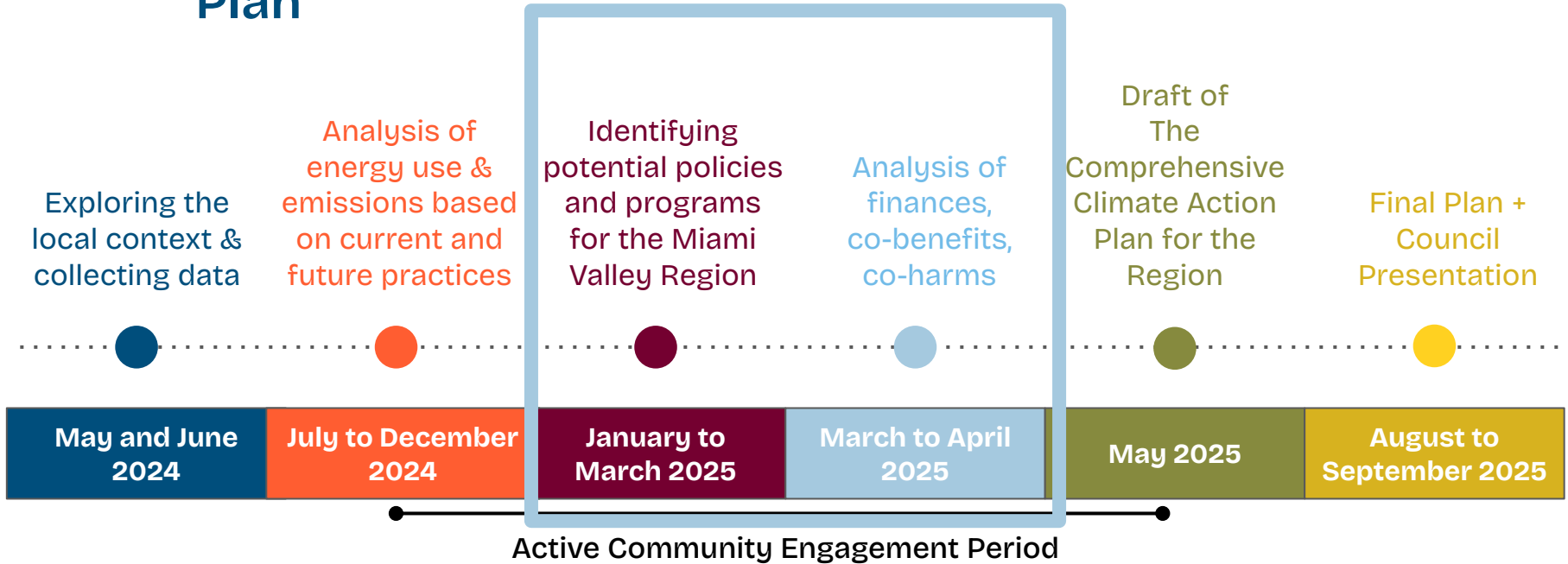
Region-wide bulk purchasing of solar panels for municipal buildings

PART 4

Project timeline

Comprehensive Climate Action Plan

A plan for everyone in the Miami Valley Region



**Local
pathways
Update**

**Coordination for
Meeting #2**

01

**Actions are aligned with
regional targets**

02

**Increase ambition for some
cities:**

City of Dayton with more
ambitious scenarios

City of Xenia with a strong focus
on LIDAC

03

**Implementation
recommendations**

Next meeting

01

Low carbon pathways

02

Preliminary financial analysis of actions

03

LIDAC benefit analysis

04

Implementation recommendations

Thank you