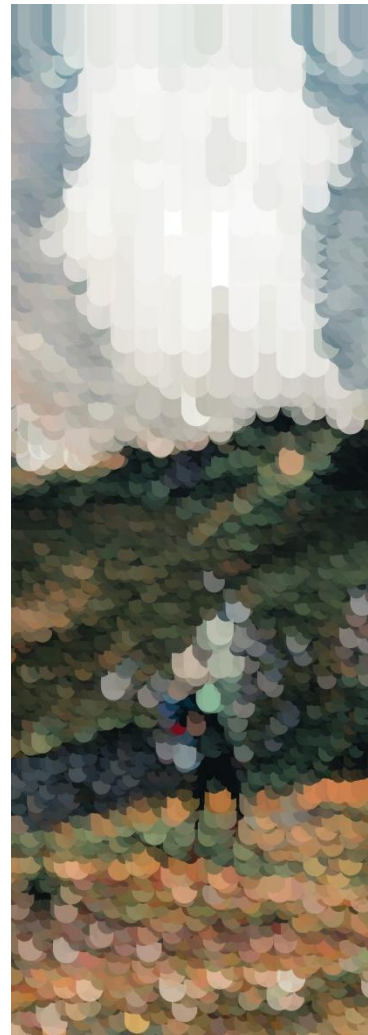


Comprehensive Climate Action Plan for the Miami Valley Region

Miami Valley Regional Planning Commission

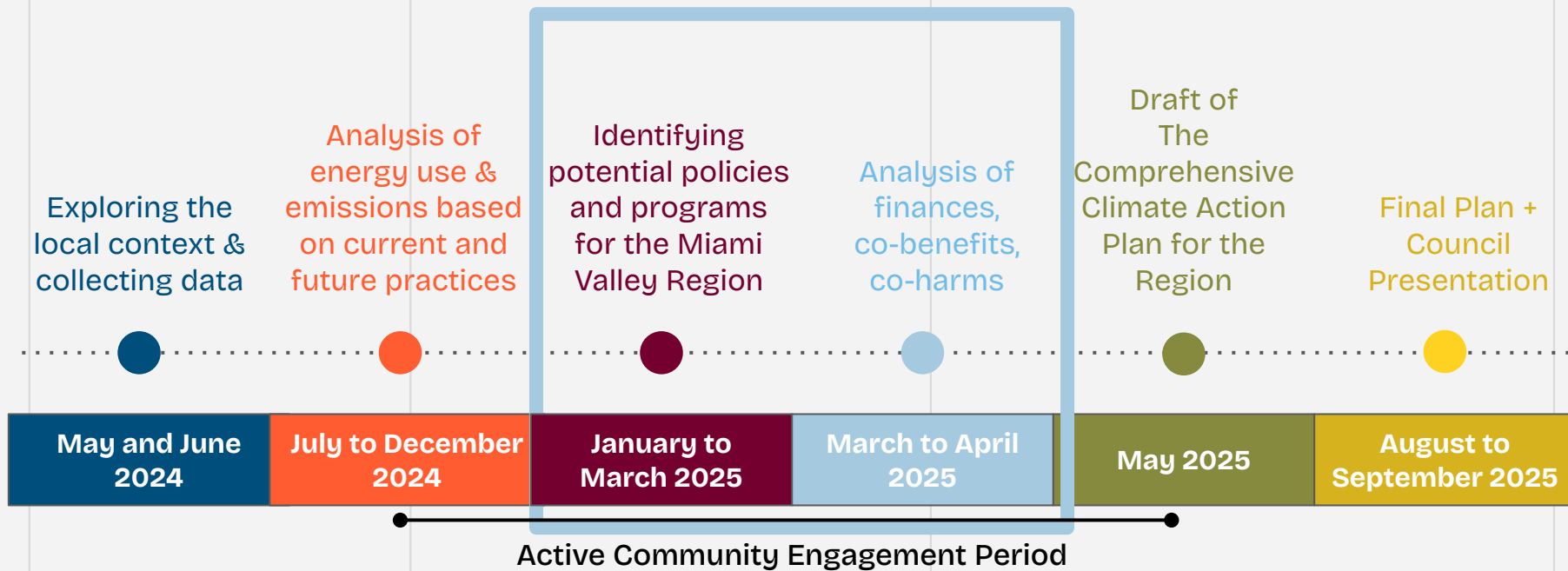
Sustainability
Solutions Group



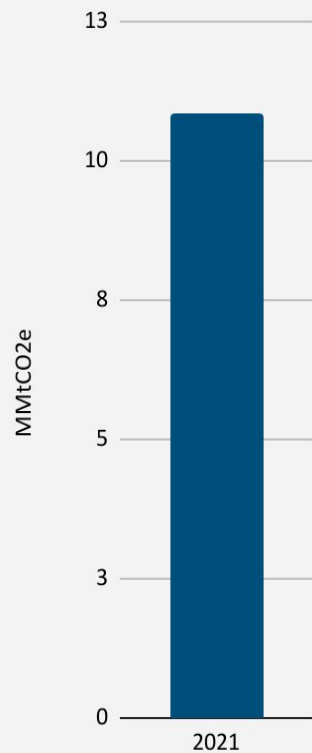
**A Comprehensive
Climate Action
Plan (CCAP)**

- Region-wide
- Multi-sector
- 2021-2050
- A Pathway
- Financial Analysis
- Co-benefits
- Authority to Implement

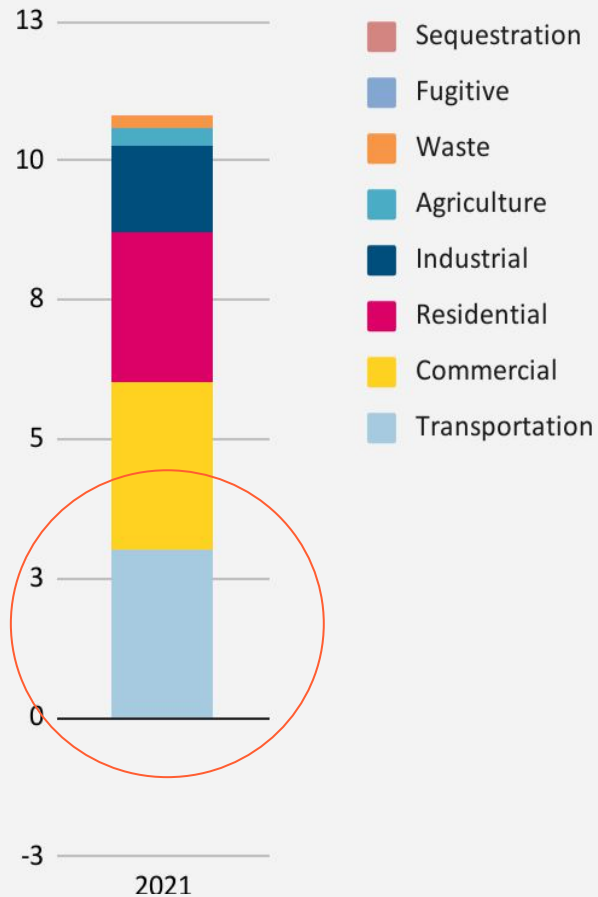
A Plan for Everyone



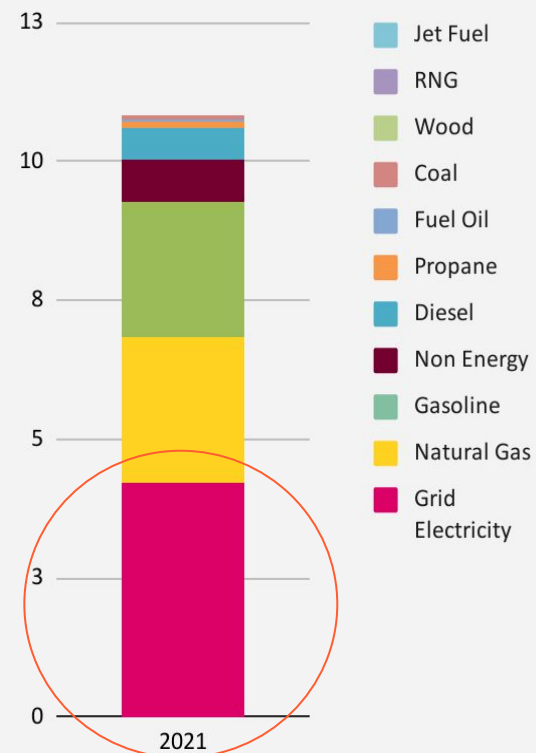
10.8 million metric tCO₂e



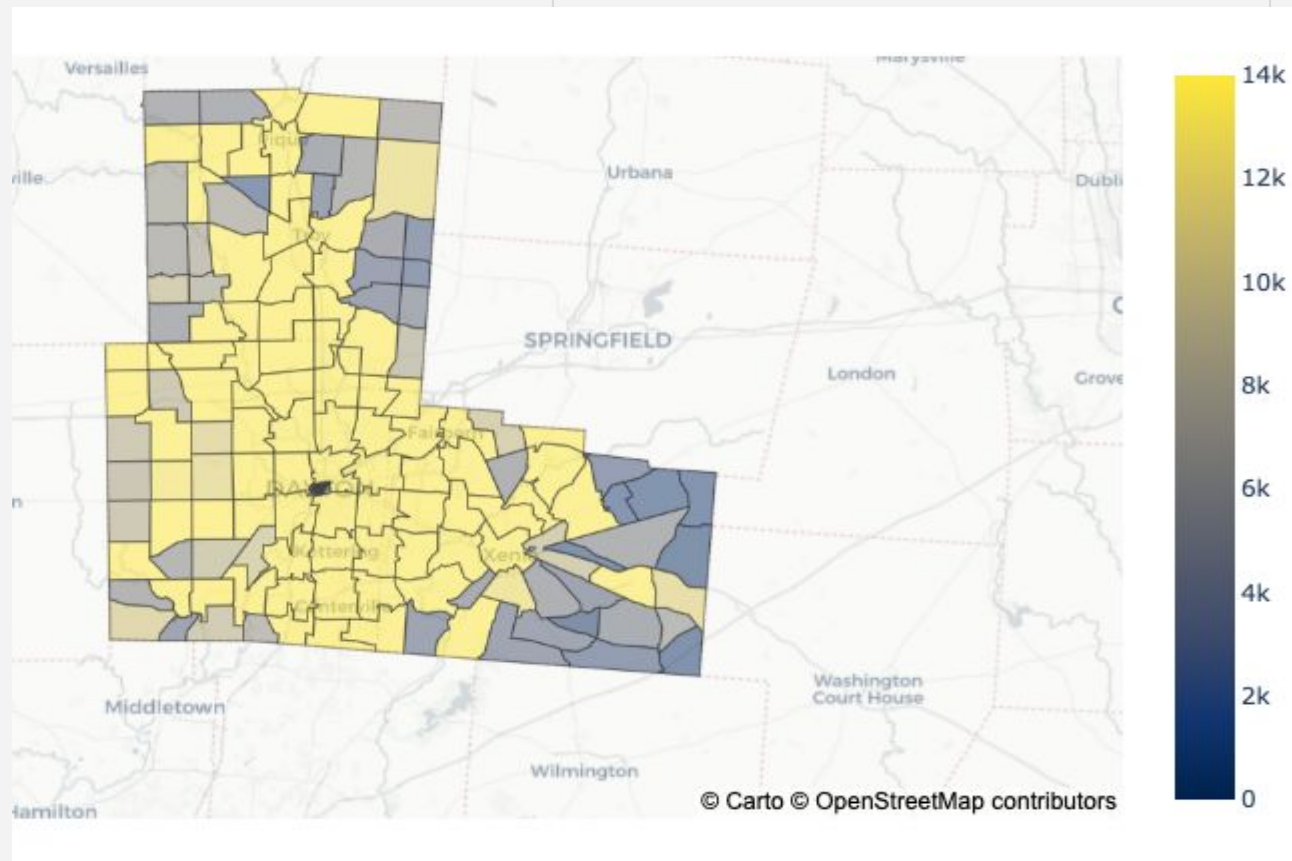
By sector



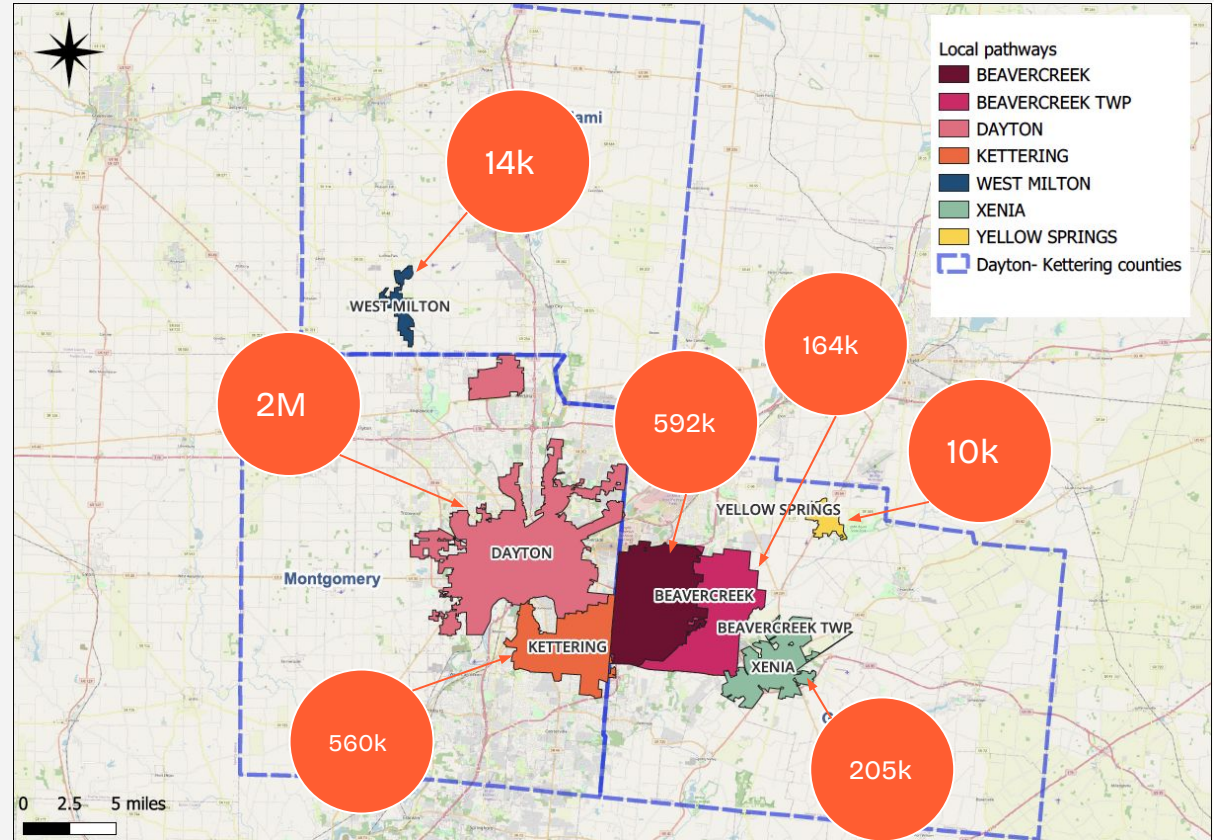
By energy source



Spatial Distribution of Emissions



What Can Be Done? Local Pathways



What are the
opportunities to reduce
GHG emissions?



Energy



Buildings



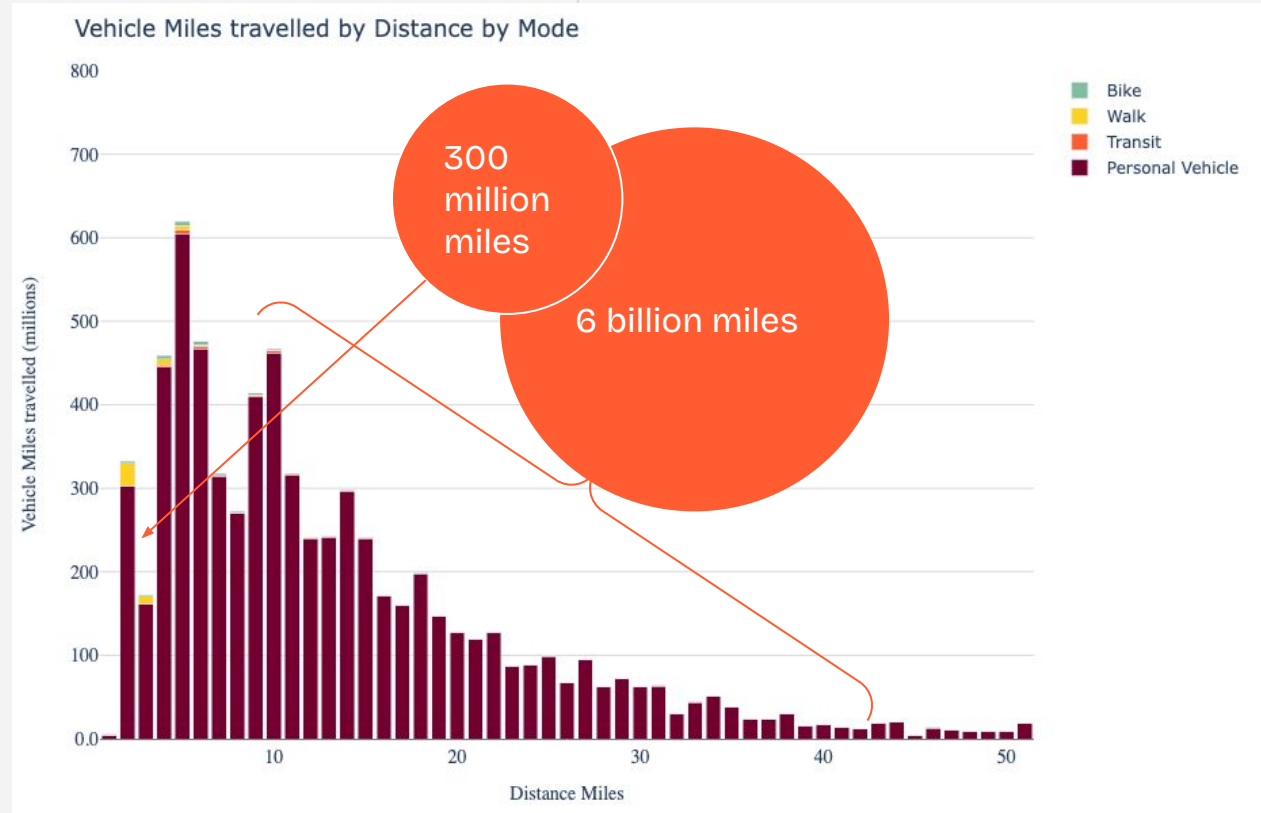
Transportation



Other

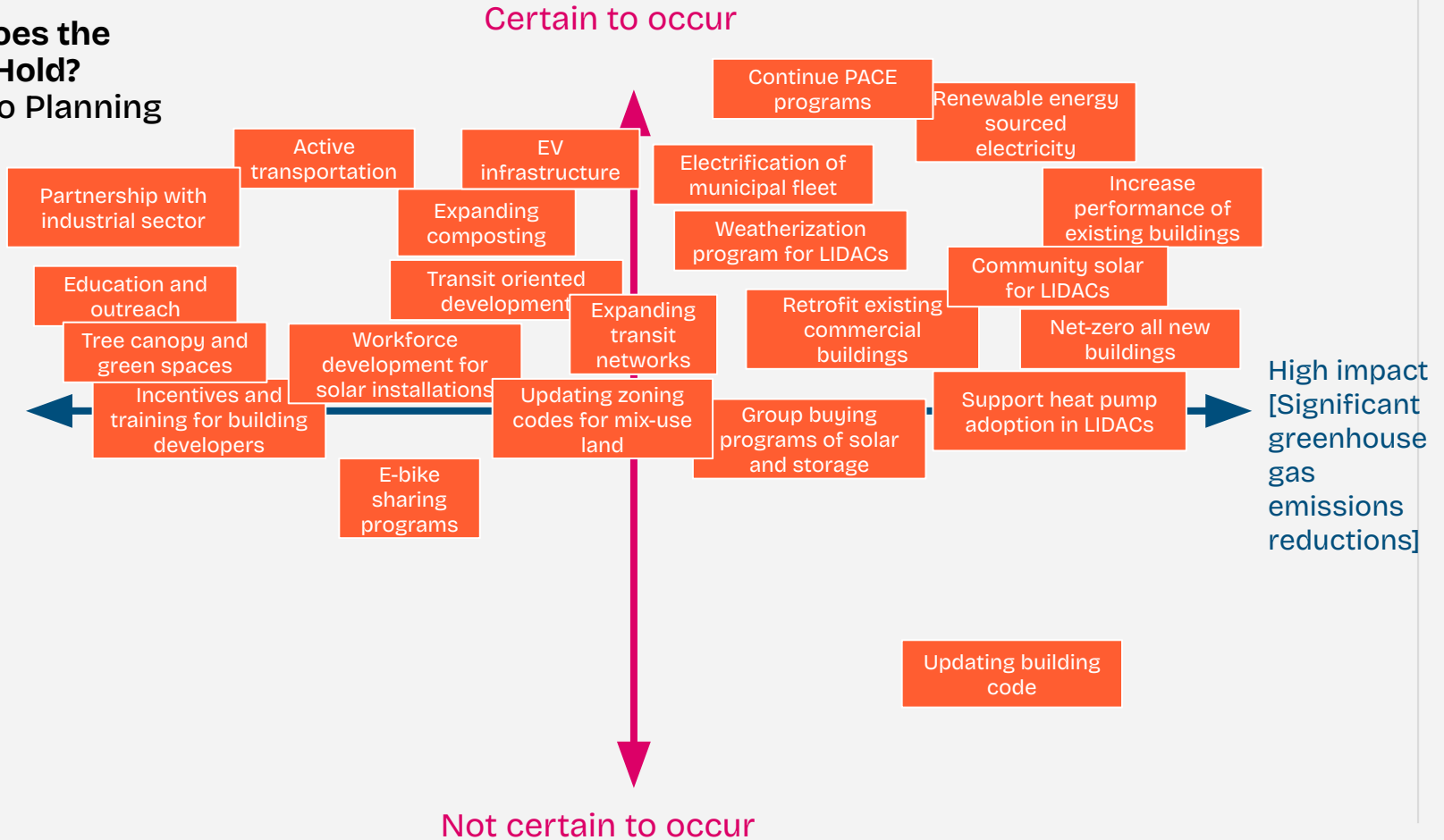


What Can Be Done? Technical analysis

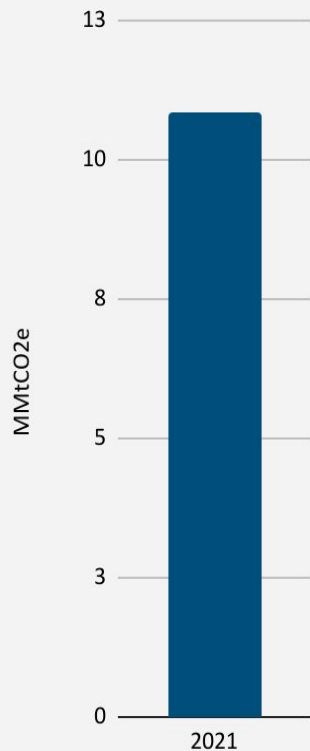


What does the Future Hold? Scenario Planning

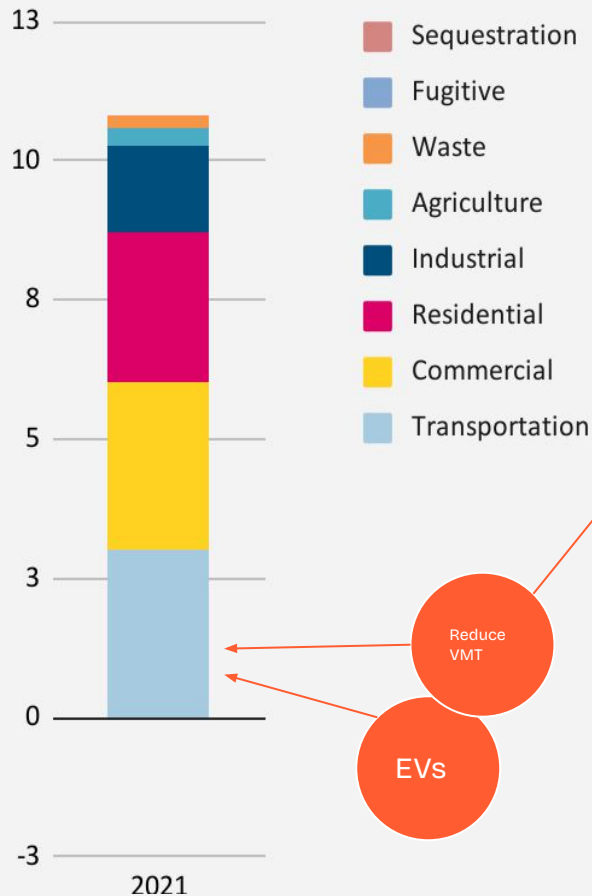
Low impact
[Limited
greenhouse
gas emissions
reductions]



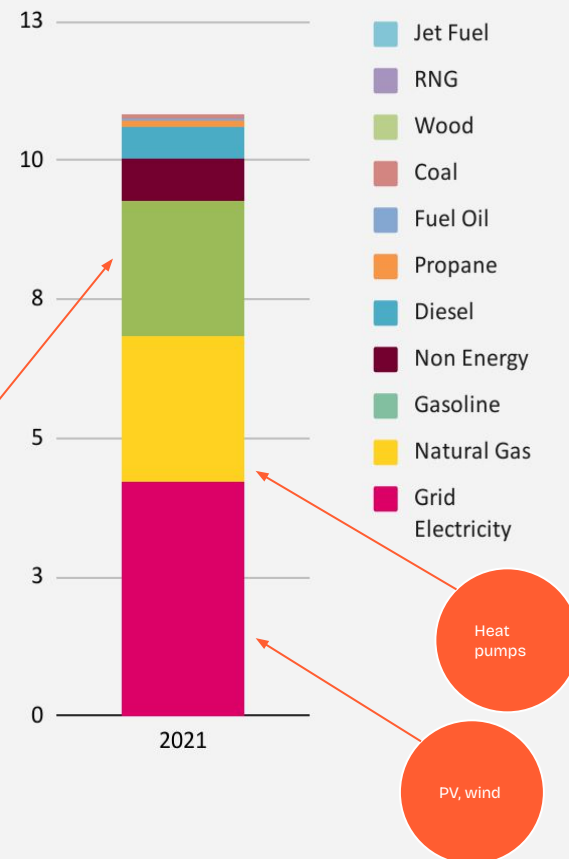
10.8 million metric tCO₂e



By sector



By energy source



Business as Usual (BAU) Scenario

Business as Planned (BAP) Scenario

Low Carbon Scenario (LCS)

Changes in population up to 2050

Changes in employment up to 2050

Hotter summers and milder winters

Building code for residential and commercial IECC 2021

Land-use change

EV penetration increases slightly

Vehicle fuel economy standards

New project development in Wolf Creek

BAU + IRA impact + municipal fleet

Composting facility Montgomery County

Renewable energy

New buildings more efficient

Compact city

More electric vehicles

Increase alternative transportation modes

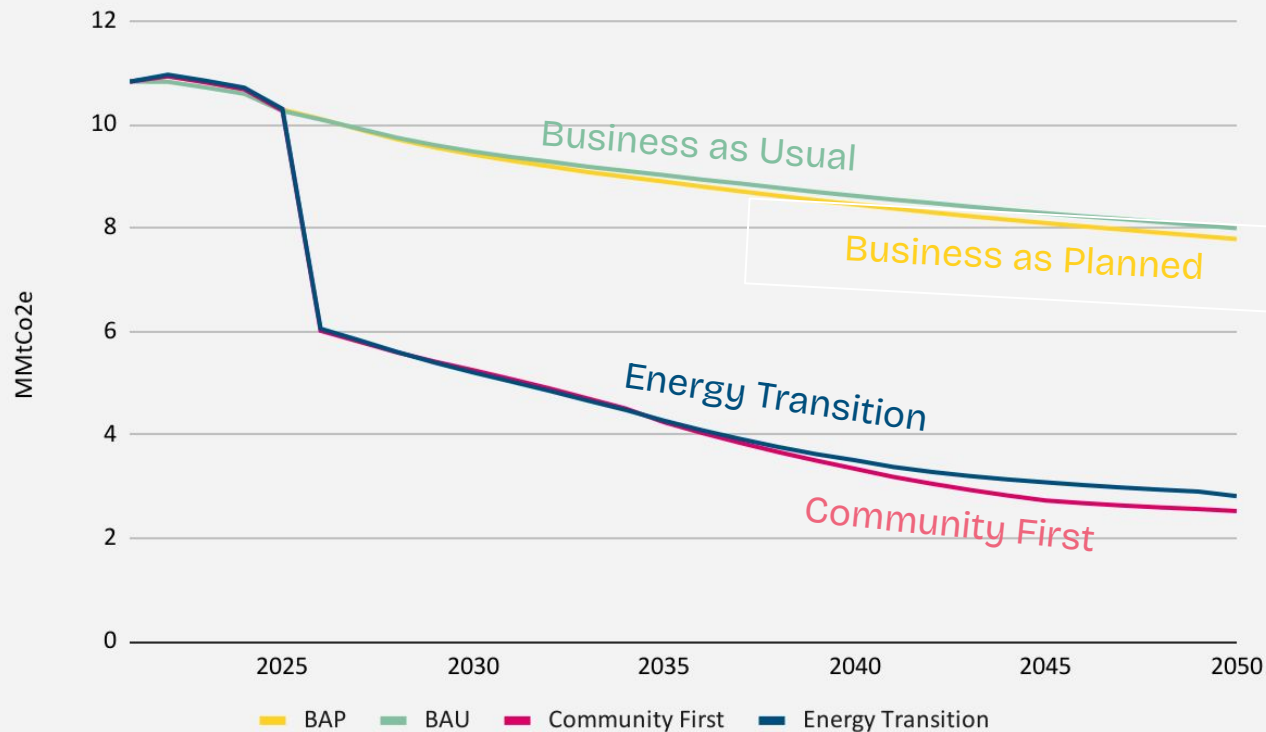
Reduce waste generation

Increase on-site generation

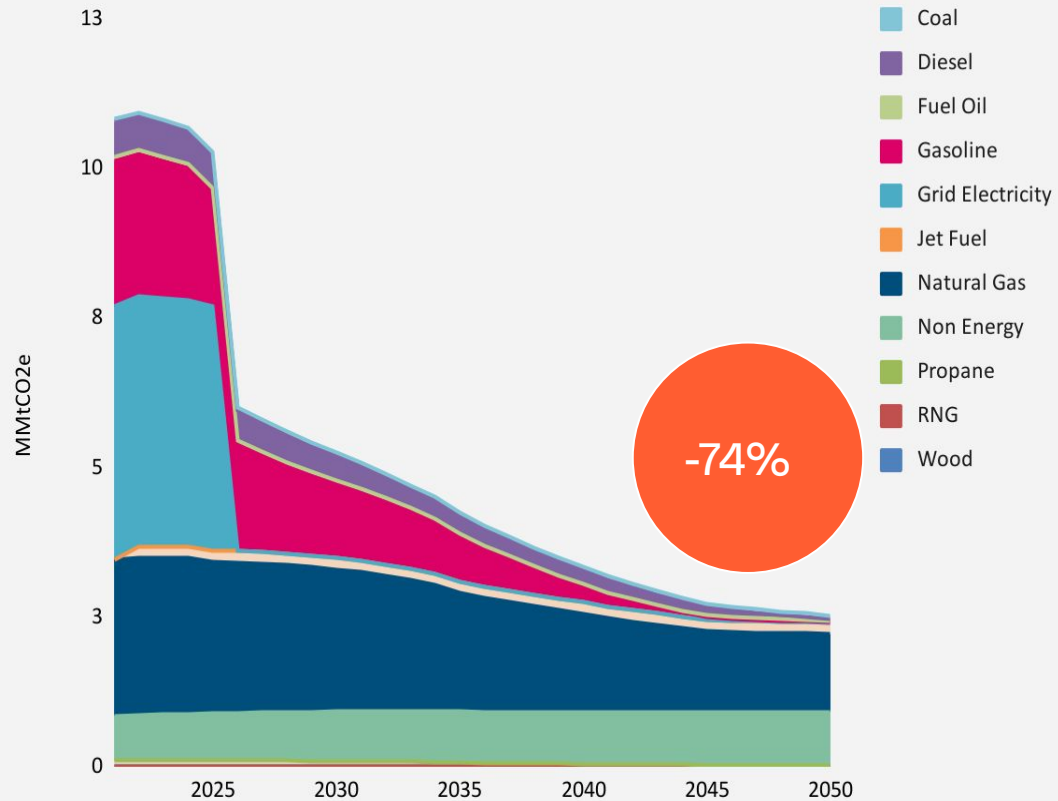
Electrifying heating/cooling and appliances

Building retrofits

What Can Be Done? The Scenarios

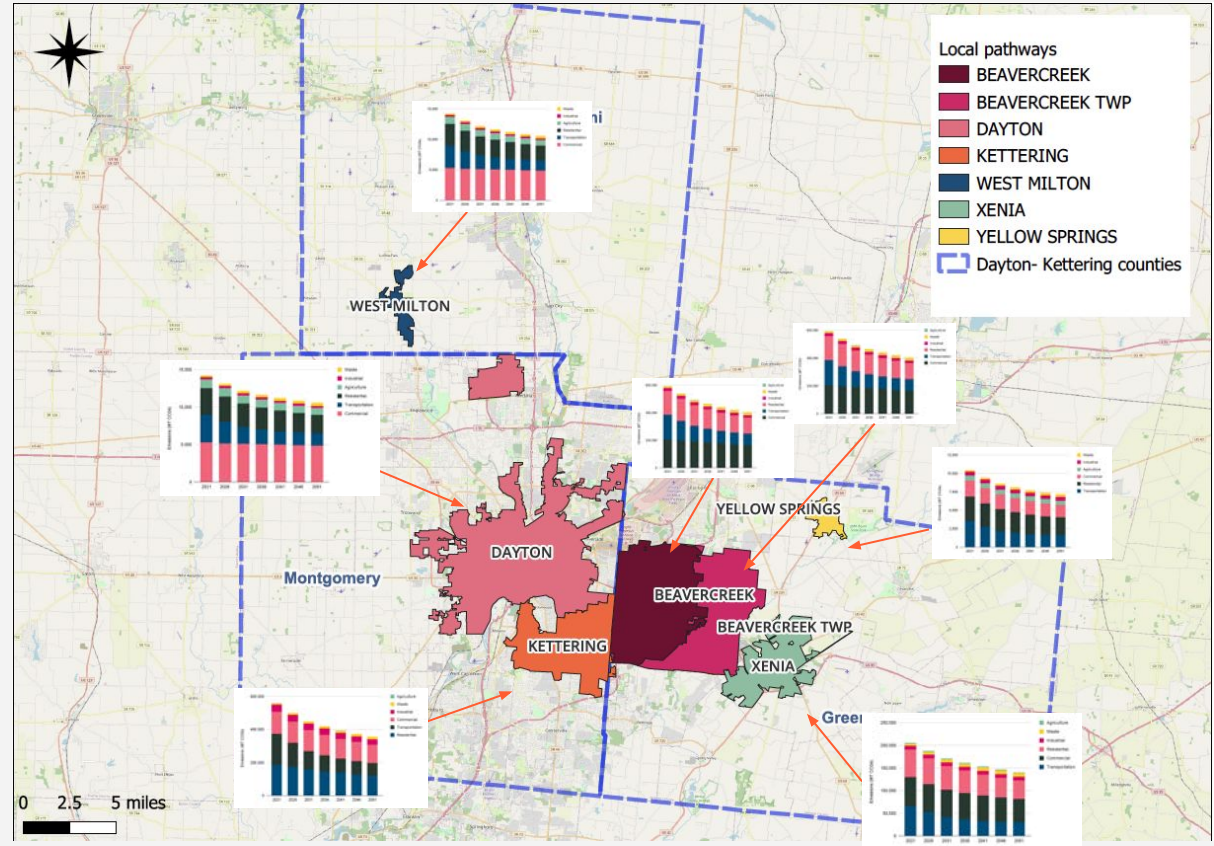


What Can Be Done? Energy Transition Scenario



What Can Be Done?

Local Pathways



Next Steps

01

Financial & co-benefits analysis

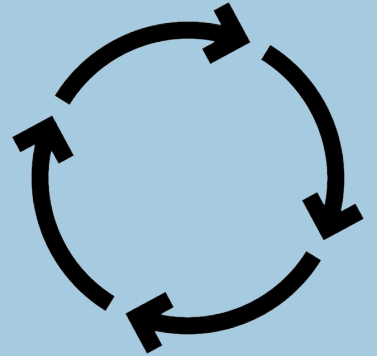
02

Draft CCAP

03

Public review of the Draft

**Climate change is a
huge problem.... But we
are great problem
solvers....**



Thank you!