LAND & WATER RESOURCES



CONTEXT

Our County has a wealth of open space and water resources including parks, streams, rivers, canals, and Lake Ontario. There is a direct link between water quality and the great lakes water system.

Water resources, open spaces, and trees help regulate stormwater, wastewater, and GHG emissions, but are vulnerable to impacts from development and human intervention.

i-TREE CANOPY ASSESSMENT TOOL



Every year, Monroe County's tree canopy has the following benefits:



\$41 million in annual savings from CO₂

sequestration, air pollution removal, and avoided runoff



450,000 tons of CO₂ sequestered \$21 million annual savings





800 million gallons of avoided runoff ¹

\$7 million annual savings



15 billion gallons of transpiration²

1 Avoided runoff is calculated in i-Tree Eco as the amount of surface runoff without any trees minus the amount of surface runoff with the current tree cover 2 1 billion gallons = 1,500 Olympic swimming pools Data Source: USDA Forest Service iTree





PRIORITY RANKING:







Prohibit any further developm. on undeveloped land. Encou. habitat preservation and restoration of healthy, native, functioning ecosystems on these lands by providing tax breaks, grants, no-interest loans, and other financial incentives to land owners. M7 EIO



If 1 out of 2 households plant a tree, Monroe County could see the following benefits over the next 5 years:



3,100 tons of CO₂ sequestered \$144,300 annual savings



16 million gallons of avoided runoff \$148,800 annual savings



\$



TOP COMMENTS FROM THE IDEAS WALL:

viscourage the wiak ise of manicured lawns and harks. Discourage L save water by planting native plants that our pollinators

Encourage residents and businesses to adopt rainwater collection and greywater systems!

136 町0

According to the US Census Bureau, there are

311,955 households

in Monroe County

\$408,100 in annual savings from CO sequestration, air pollution removal, and avoided runoff



8 tons of air pollutants removed \$115,000 annual savings

1.8 million kwh of electricity saved



124 million gallons of rainfall interception

PHASE II MONROE COUNTY CLIMATE ACTION PLAN LAND & WATER RESOURCES

TREE CANOPY IN MONROE COUNTY

- Total Area 1,367 miles
- Land Area –657 sq mi
- Water Area –710 sq mi
- Tree Cover –202 sq mi (31% of Land Area, 15% of Total Area)

The tree canopy in the county accounts for \$41 million in annual savings from carbon sequestration, air pollution removal, and avoided runoff. Altogether, the canopy stores 5.3 million tons of carbon, 3,500 tons of air pollutants, and intercepts 9 billion gallons of rainfall.

ECOSYSTEM RESTORATION & CARBON SEQUESTRATION

CO2 emissions have amplified the greenhouse effect, capturing heat, raising temperatures, contributing to excessive rainfalls, floods, droughts, heatwaves, and wildfires. Therefore, reducing GHG emissions is critical, but needs to be paired with efforts to restore the ecosystems that moderate our climate. Ecosystem restoration can help address the worst effects of climate change directly, quickly, and locally.







PRIORITY TREE PLANTING LOCATIONS BASED ON CLIMATE VULNERABILITY FACTORS

An online tool known as itree can be used to estimate the long-term environmental benefits from a tree canopy for carbon sequestration, air quality, stormwater runoff, and energy savings. Custom scenarios can be used to determine priority areas for tree planting.

•Mycorrhizal soil fungi and native plant species form partnerships that are crucial to the emergence and functioning of ecosystems that help cool the planet.

• Roughly 75% of terrestrial carbon is stored below ground and mycorrhizal fungi are the entry point of carbon into soil food webs. • Globally, more than 13 gigatons of CO2 is transferred from plants to fungi annually, turning the soil beneath our feet into the biggest carbon sink in the world.



PHASE II MONROE COUNTY CLIMATE ACTION PLAN **TREE CANOPY ASSESSMENT**

To better understand vulnerable populations in Monroe County that could benefit from tree canopy, the following factors were input:



The highest priority areas for tree canopy, based on the categories above, include Riga, Rochester, Wheatland, and Chili.

To better understand vulnerable populations in Monroe County to extreme weather events projected due to climate change the following factors were input:



Low Tree Cover per Capita



High Avg. Precipitation **Projected for 2050**



High Avg. Temperature **Projected for 2050**

The highest priority areas for tree canopy, based on the categories above, include Perinton, Henrietta, Webster, and Pittsford.

Protect and conserve existing open spaces, agricultural lands, and natural areas. Improve access to and awareness of local natural resources at both a micro and macro scale to build environmental stewardship community-wide. Mitigate and reduce heat island impacts from the built environment.

PHASE 1 CAP ACTIONS

- Encourage a life-cycle approach to water supply through waste treatment-toenergy generation, water reuse (including potable reuse of purified municipal reclaimed water, the use of graywater in buildings and for irrigation), and posttreatment groundwater recharge
- Continue to look for changes to process operations to improve energy efficiency in wastewater conveyance and treatment.

CASE STUDY

For the past 25 years, the Village of South Elgin, Illinois officials have worked with developers to ensure that while their development needs are met, the Special Flood Hazard Area (SFHA) is primarily used for natural beneficial functions, open space and recreational uses to protect their natural resources and their residents from flood damage. They have participated in the Community Rating System (CRS), and implemented higher regulatory standards, buyout programs, and banned development in the floodplain. Through South Elgin's efforts, the village has reached a Class 5 rating in the CRS, reduced the cost of flood insurance by 25% for policyholders, and conserved 237 acres of open space in the SFHA.



South Elgin Leverages Relationship with Larger County to Preserve Open Space. https://floodsciencecenter.org/ products/crs-community-resilience/success-stories/south-elgin-illinois/





ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall! Encourage higher density development and preservation of open space throughout

- County
- Preserve and improve natural ecosystems throughout Monroe County
- Improve water quality and protect Lake Ontario, Genesee River and Erie Canal
- Restore local food chain to reduce food miles
- Incentivize and promote easy-to-implement habits such as no-mow/low-mow lawns and grey water collection
- Reduce stormwater runoff by reducing impervious surfaces, encouraging rain gardens and native plantings

YOUR THOUGHTS?

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

PHASE II MONROE COUNTY CLIMATE ACTION PLAN LAND & WATER RESOURCES



Products have a life cycle consisting of production, transportation, use, and ultimately disposal. The impact of each phase of this cycle may vary from the amount of resources used to produce it, emissions created during production, transportation and use, and the amount of waste created upon disposal.

Activities that lessen impacts include reducing, reusing, recycling, and composting materials.

GHG HIGHLIGHTS

The Scope 3 emissions associated with waste and recycling include landfill, recycling, and compositing facilities that are not currently owned and operated by the County.

NOTE: These numbers are undergoing verification with data sources.

SOURCE	EMISSIONS (MTCO ₂)	%
Transportation	2,974,073	42.2%
Energy Use & Consumption	2,570,359	36.4%
Process & Fugitive Emissions	710,921	10.1%
Solid Waste	657,416	9.3%
Agriculture, Farming & Land Use	102,917	1.5%
Upstream Impacts of Activities	29,748	0.4%
Water & Wastewater	7,111	0.1%
Total	7,052,545	100%





NOTE: Preliminary GHG Inventory Results





PRIORITY RANKING:

Offer composting opportunities along with trash pick up for citizens,

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donated food.

EMISSIONS BY SECTOR

PHASE I COMPARISON

The emissions from the inactive Gloria Drive Landfill were captured in Phase I, as the facility is owned and operated by the County. Gloria Drive accounts for 13% of the County's emissions; however, a 2050 reduction goal of 90% was set with the primary action being the potential capping of the landfill by 2044.

PHASE I. SECTOR

Buildings & Facilities Pure Waters Infrastru Solid Waste & Materi Transportation Fleet Expressway Lights & Total

Monroe County Baseline Phase I GHG Emissions Inventory Summary

PHASE II MONROE COUNTY CLIMATE ACTION PLAN WASTE & RECYCLING



	MTCO ₂ E
	26,073
ucture	9,225
als Management	6,035
S	3,295
Signals	1,004
	46,632

Support, connect, and enhance access and awareness of diverting waste from landfills by reuse, recycling, or compositing and organics recycling programs. Increase innovative re-purposing of waste byproducts and consider opportunities to harvest waste products for energy.

PHASE 1 CAP ACTIONS

- Reduce waste generation and increase recycling at County facilities
- Expand current recycling/trash policy and procedures. Investigate feasibility of an organic waste/composting program for County buildings/facilities
- Develop and implement a paper use reduction policy and procedures
- Establish a Green Office Challenge that includes a reduction in office waste

CASE STUDY

Each year, Hennepin County, Minnesota waste reduction and recycling specialists work with households to craft a customized eight month Zero Waste Challenge. Participating households have had success reducing their waste by increasing composting and recycling, eliminating disposables, preventing waste upfront, and sharing their success with other community members. On average, households reduce waste by about one-quarter to one-third. By the end of the challenge, they recycle or compost 60% to 70% of their waste, which is above the county average of about 45%.



How to live a lower waste lifestyle: insights from Zero Waste Challenge participants. https://www.hennepin.us/ climate-action/what-we-can-do/low-waste-lifestyle





ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall!

- campaign
- landfills
- Make recycling and compositing easier for households

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

YOUR THOUGHTS?

Develop compositing programs with a robust public education

 Educational campaign on recycling and County's recycling process, and the benefits of waste reduction and diverting food waste from

PHASE II MONROE COUNTY CLIMATE ACTION PLAN WASTE & RECYCLING

ENERGY USE & CONSUMPTION



CONTEXT

The type and amount of energy we use has a direct impact on climate change because of the greenhouse gas emissions they each produce.

The conversion of our energy sources and consumption from gas, oil, and coal, to more sustainable alternatives including solar, wind, geothermal, and electric will reduce our climate impacts.

GHG HIGHLIGHTS

SOURCE	EMISSIONS (MTCO ₂)	%
Transportation	2,974,073	42.2%
Energy Use & Consumption	2,570,359	36.4%
Process & Fugitive Emissions	710,921	10.1%
Solid Waste	657,416	9.3%
Agriculture, Farming & Land Use	102,917	1.5%
Upstream Impacts of Activities	29,748	0.4%
Water & Wastewater	7,111	0.1%
Total	7,052,545	100%

EMISSIONS BY SECTOR







PRIORITY RANKING:



TOP COMMENTS FROM THE IDEAS WALL:

Municipalize our energy provider! Rates are too high and are only expected to go up without any improvement in service. The City and County do an excellent job with water, solid waste, and sewer services and they should also provide our energy. 135 町0

othermal HVAC can go a long to halt and reverse our rte catastrophe-- but much and better incentives, needed to get

BREAKDOWN OF ENERGY USE / CONSUMPTION BY INDUSTRY



PHASE II MONROE COUNTY CLIMATE ACTION PLAN **ENERGY USE & CONSUMPTION**

5 3 6

URMC is largest employer and they have yet to pass their sustainability plan. We 100% need all residents and employers - but especially large employers - to formulate and pass REAL sustainability goals, alongside accountability tools for making sure they reach goals.

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URCE	% OF TOTAL EMISSIONS	
	59%	
	23%	
	10%	
G	7%	

Identify opportunities to reduce energy use in both major and minor contributors, and convert to renewable energy sources. Support municipalities and connect individuals to potential resources and programs for transitioning from fossil fuels to renewable energy.

PHASE 1 CAP ACTIONS

- 62% to 80% reduction by 2050 undertaken by the County to increase electric energy efficiency of facilities, reduce energy consumption, and transition to renewable energy sources
- Evaluate feasibility of emergency power generation alternatives that rely upon renewable energy sources, such as hydrogen for emergency generators
- Develop transition plan for lighting and signal facilities based on inventory of existing energy use, maintenance schedule, and planned infrastructure improvements

CASE STUDY

The City of Lava Hot Springs, Idaho undertook two energy efficiency projects. First, in 2016 at the City's Fire Station, where insulation and weatherization were added to the building and one of the garage doors. This retrofit saved the city money on its utility bills, reduced energy demands, and increased comfort for employees. Second, in 2017, to replace 28 light fixtures with LED lights at City Hall. This upgrade resulted in 11,163 kwh of estimated savings, which will save the city approximately \$1,068 per year.



EERE Success Story—Idaho Leads by Example by Reducing Energy in Rural Communities. Office of Energy Efficiency & Renewable Energy, June 5 2018.





ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall!

- Encourage large employers to create sustainability plans
- Municipalize utility providers across the County
- Energy conservation education
- charging
- and other green energy conversions
- Shift public buildings and schools to renewable energy

****Place a dot by any recommendation you agree with or believe should be a priority for the Plan!****

YOUR THOUGHTS?

PHASE II MONROE COUNTY CLIMATE ACTION PLAN **ENERGY USE & CONSUMPTION**

• Upgrade energy grid to keep up with heat pump installations and electric vehicle

• Provide additional incentives for solar panel installation (commercial and residential)





Our quality of life has always been linked to nurturing existing partnerships and fostering new ones.

Our success in reducing individual and collective climate impacts will be directly related to understanding what initiatives have or are taking place and opportunities for social, educational, and economic sector partnerships for implementation.

GOAL STATEMENT

Identify and foster connections between private and public organizations, local and county governments, and regional initiatives. Increase awareness and access to online platforms, tools, and networks to leverage partnerships between these groups.

PHASE 1 CAP ACTIONS

- Leverage federal, state, philanthropic, and academic resources to achieve regional goals through intermunicipal and regional planning leadership and to advance acceptance of a regional-local approach to planning and decision making
- Establish a Climate Action Coordinator Position within County government
- Re-establish a cross-department Sustainability Committee
- Establish energy efficiency or climate protection information clearinghouse
- Implement public education programs, e.g. special events, PSAs, curricula





PRIORITY RANKING:



ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall!

- curriculum
- Incorporate public health initiatives across all focus areas

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

PHASE II MONROE COUNTY CLIMATE ACTION PLAN **PARTNERSHIPS, EDUCATION & ECONOMY**

Education on regenerative economies versus extractive economies

Encourage a localized economy to meet community needs

Incorporate climate change and sustainability education into local school

 Partner with local educational institutions and industries to come up with creative technologies and siting for renewable energy generation projects that resist sprawling into agricultural, rural, tourist and open space areas

Identify and foster connections between private and public organizations, local and county governments, and regional initiatives. Increase awareness and access to online platforms, tools, and networks to leverage partnerships between these groups.

PHASE 1 CAP ACTIONS

- Leverage federal, state, philanthropic, and academic resources to achieve regional goals through intermunicipal and regional planning leadership and to advance acceptance of a regional-local approach to planning and decision making
- Establish a Climate Action Coordinator Position within County government
- Re-establish a cross-department Sustainability Committee
- Establish energy efficiency or climate protection information clearinghouse
- Implement public education programs, e.g. special events, PSAs, curricula

CASE STUDY

One example of successful community partnerships is between the City of Middleton, Wisconsin Sustainability Committee, the Middleton High School Green Team, and the St. Bernard Catholic Church Creation Care Team. Together, in 2021 they earned Climate Champion status in the Catalyst category of Dane County's Climate Champions Program.

The groups held an LED lightbulb exchange over the course of a week at three locations in the City where the public could receive free LED light bulbs, and return older, less efficient bulbs. Altogether, over 2,500 old bulbs were turned in, with 1,928 new LEDs given out. The energy and cost-savings for this event was significant, projected to be approximately 39.4 U.S. tons of CO2 emissions and \$9,240 every year. The event also started a larger conversation about energy conservation throughout the community.

Heather Phelps. LED Lightbulb Exchange. Dane County Office of Energy & Climate Change







ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall!

- Encourage a localized economy to meet community needs
- curriculum
- Incorporate public health initiatives across all focus areas

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

YOUR THOUGHTS?

• Education on regenerative economies versus extractive economies

Incorporate climate change and sustainability education into local school

 Partner with local educational institutions and industries to come up with creative technologies and siting for renewable energy generation projects that resist sprawling into agricultural, rural, tourist and open space areas



PHASE II MONROE COUNTY CLIMATE ACTION PLAN **PARTNERSHIPS, EDUCATION, & ECONOMY**



This includes the commercial, industrial, and residential structures we live and work in. Our building stock varies between rural, suburban, and urbanized areas, in terms of appearance, footprint, and density.

Building types, construction methods, and daily usage impact our environment, energy consumption, and micro-climates.

GHG HIGHLIGHTS

RESIDENTIAL ENERGY





PRIORITY RANKING:

2

TOP COMMENTS FROM THE IDEAS WALL:

Single family zoning laws need to be changed. Allow for multi family units to be built on single family lots. These do not necessarily all have to be income limited, market rate units will be equally important as people move to Rochester as a climate refuge city in the next 10-20 years.

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Stop using development incentives to subsidize far flung suburban greenfield developmentshould only be allowed to be used for infill in the city and existing suburban areas that already have development and public transit. And make sure it is walkable in character and density to reduce car usage. Å9

COMMERCIAL ENERGY



PHASE II MONROE COUNTY CLIMATE ACTION PLAN **BUILDINGS & HOUSING**

INDUSTRIAL ENERGY

Increase mixed use development zoning areas to create more walkable areas

139 EIO



Consider existing development, redevelopment, and new development scenarios to eliminate GHG emissions. Reduce energy use of buildings powered by fossil fuels, and transition to renewable energy sources where possible. Implement green building infrastructure and renewable energy generation policies on new development and encourage retrofit on existing and redevelopment.

PHASE 1 CAP ACTIONS

- 50-80% reduction relative to fuel switching strategies that result in less carbon intensive energy sources and shift away from reliance on natural gas
- Institute procedures and/or training to encourage facility managers and municipal employees to improve heating, cooling and lighting use efficiency
- Lower building temperature settings to adjust for localized floor heating systems
- Install additional solar PV systems

CASE STUDY

Loudoun County Public Schools (LCPS) is the third largest school division in Virginia. LCPS serves more than 78,000 students in 89 separate facilities. In 1993, LCPS implemented an energy management program, changing how the district viewed, consumed and used energy. Since its implementation, LCPS has saved over \$70 Million on energy costs, reduced CO2 emissions by over 352,000 metric tons.



John Lord and Michael Barancewicz. Success Story: Loudoun County Public Schools. September 7 2016. https:// vaeec.org/success-story-loudoun-county-public-schools/





ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall!

- Reduce minimum lot sizes and parking requirements
- Provide development incentives for infill development
- Install solar panels on every municipally-owned building
- incentives easier and more approachable
- increase energy efficiency and save on energy costs

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

YOUR THOUGHTS?

PHASE II MONROE COUNTY CLIMATE ACTION PLAN **BUILDINGS & HOUSING**

Increase mixed-use zoning and encourage higher density development and walkability

Create a tool to make navigating energy efficiency and electrification programs and

• Develop programs to assist low-income homeowners to weatherize their homes,





Driving, public transit, bicycling, and walking networks connect us to our homes, our jobs, local businesses, and our environment.

These varying modes of transportation, the infrastructure needed to support them, and the travel distance between destinations are directly related to the scale of our carbon footprint and GHG emissions we produce.

GHG HIGHLIGHTS

SOURCE	EMISSIONS (MTCO ₂)	%
Transportation	2,974,073	42.2%
Energy Use & Consumption	2,570,359	36.4%
Process & Fugitive Emissions	710,921	10.1%
Solid Waste	657,416	9.3%
Agriculture, Farming & Land Use	102,917	1.5%
Upstream Impacts of Activities	29,748	0.4%
Water & Wastewater	7,111	0.1%
Total	7,052,545	100%

NOTE: Preliminary GHG Inventory Results

EMISSIONS BY SECTOR







Gasoline 85%

PRIORITY RANKING:

TOP COMMENTS FROM THE IDEAS WALL:

If we want people to use public transit, +ation (ex: more + bike racks). Inspir. people to SWAP car trips with walking, biking or taking the bus is how we will move the needle to meet our climate goals. A9 E10

EMISSIONS BY FUEL TYPE



PHASE I COMPARISON

Emissions for County operations in Phase I include the County's transportation fleet, which accounts for 7% of Scope 1 and 2 Emissions.

County vehicles included in the Phase I emissions inventory report are summarized at right.

(Employee commutes were not included in Phase I).

FUEL TYPE	VEHICLE MILES TRAV	/ELED (VMT)
• • • •		/

Gasoline	5,273,526,573	90%
Diesel	537,982,104	9%
CNG	3,067,578	<1%
Ethanol	8,987,271	<1%

Source data for the transportation sector is based on the estimated vehicle miles traveled within the County and fuel type used.





Bike transit in the county is a joke. The adage "paint is not infrastructure" absolutely applies here. Anyone who has engaged in vehicular cycling (i.e. riding a bike as a vehicle instead of a car, as opposed to simply for leisure) knows this. Protected bike lanes are an absolute must, and they have to be plowed in winter! They give more people the confidence to make the switch to bike commuting.

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It is critical that the County invests and builds a low-stress, high comfort bike network that enables all different kinds of cyclists to get around. Without a major modeshift away from cars - both EVs and ICEs - we will not be able to adapt to changes in our environment and reduce our emissions. There are many people who would love to switch from using their cars for trips to ebikes or bikes but do not feel safe or comfortable without protected infrastructure!

L38 E10

Figure 16. Transportation Fleets Emissions

42 Vehicles with emissions under 100 CO2e: 28% 52 Pickup Trucks & SUVs: 10% 47 Sedans: 7% 9 Oshkosh Jets: 7% Sheriff's Fleet: 48%



PHASE II MONROE COUNTY CLIMATE ACTION PLAN TRANSPORTATION

ALTERNATIVE TRANSPORTATION GHG BENEFITS

There are benefits associated with alternatives modes of transportation, including greenhouse gas reduction, incorporating green infrastructure into transportation infrastructure, and reducing the need for facilities to support heavy vehicle traffic.







THERE ARE NEARLY 300 MILES (11%) OF THE COUNTYWIDE **ROAD NETWORK THAT INCLUDE BICYCLE** MONROE COUNTY ACTIVE TRANSPORTATION PLAN

The Monroe County Active Transportation Plan recommends a full proposed initial network of 498 miles. The proposed high coverage and high needs scenario networks total 183 miles, increasing bicycle infrastructure by 60%.

According to nationwide research performed through the Idaho's Statewide and Pedestrian Plan,

There is a strong correlation between bicycle commute mode share and bicycle facility provision on major roads, with more than 50% variation in mode share explained by the degree of facility provision.



2021 AMERICAN COMMUNITY SURVEY

A 60% increase in the County's bicycle infrastructure would be expected to increase the bicycle commute mode share to approximately 1.8% or 1 out of every 55 workers commuting to work primarily by bicycle



.8% of the 365,000 commuters in Monroe **County bicycle 1/2** work days each year,

the average commute length is 3 miles,



8 gallons of fuel are used per mile,

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and each gallon of fuel used emits 19.4 pounds of carbon dioxide

PHASE II MONROE COUNTY CLIMATE ACTION PLAN **ALTERNATIVE TRANSPORTATION GHG BENEFITS**

1 OUT OF EVERY 275 WORKERS COMMUTE PRIMARILY BY BICYCLE IN MONROE COUNTY (.3%)



Increase connectivity surrounding high trip potential and population centers. Reduce vehicle miles traveled. Increase zero emission personal and fleet vehicles, equipment, and facilities. Mitigate and reduce stormwater runoff associated with transportation infrastructure.

PHASE 1 CAP ACTIONS

- 50-90% reduction reflecting a change of roughly 106-222 gas vehicles to EV by 2050 (an average of 3.5-7.4 per year), and changing 22-47 diesel vehicles to EV by 2050.
- Eliminate unnecessary vehicle idling through policy action, reduction technologies, and zero emission vehicle use
- Deploy solar Electric Vehicle Supply Equipment (EVSE)
- Offset emissions from vehicle fleet and transit operations

CASE STUDY

within Hamilton County, Ohio, it is predicted that there will be an influx of people migrating into the Greater Cincinnati area. To prepare for a heightened need for mobility and climate impacts, like an increase in traffic, overcrowding, emissions, and reduction in green space, the area is exploring opportunities to reduce the need for personal-owned vehicles.

One way they are doing this is through mobility-oriented district overlays. These overlays guide public transportation and walkability networks that are easily accessible and integrated, incentivize electric-powered vehicles and walking or biking, programming for denser, green parking solutions, and provide a methodology for retrofitting old infrastructure with the latest technological advances.



Anna Mueller. Climate Resilient Mobility in Greater Cincinnati, An Action Playbook for a Greener, More Sustainable Future. March 23 2023. https://storymaps.arcgis.com/stories/c54578cc1d984360b0f3ed24c707d12f





ACTIONS & STRATEGIES Based on your feedback from the Ideas Wall! Install protected bike infrastructure across the County, and improve connectivity

- of existing bike network
- Encourage private partners and employers to reduce car dependence
- Implement road diets and reduce speeds across the County
- Improve public transit accessibility and frequency to encourage transit use
- Encourage higher density development that promotes walkability
- Provide incentives to make electric vehicle ownership feasible for more households

Place a dot by any recommendation you agree with or believe should be a priority for the Plan!

YOUR THOUGHTS?

PHASE II MONROE COUNTY CLIMATE ACTION PLAN TRANSPORTATION