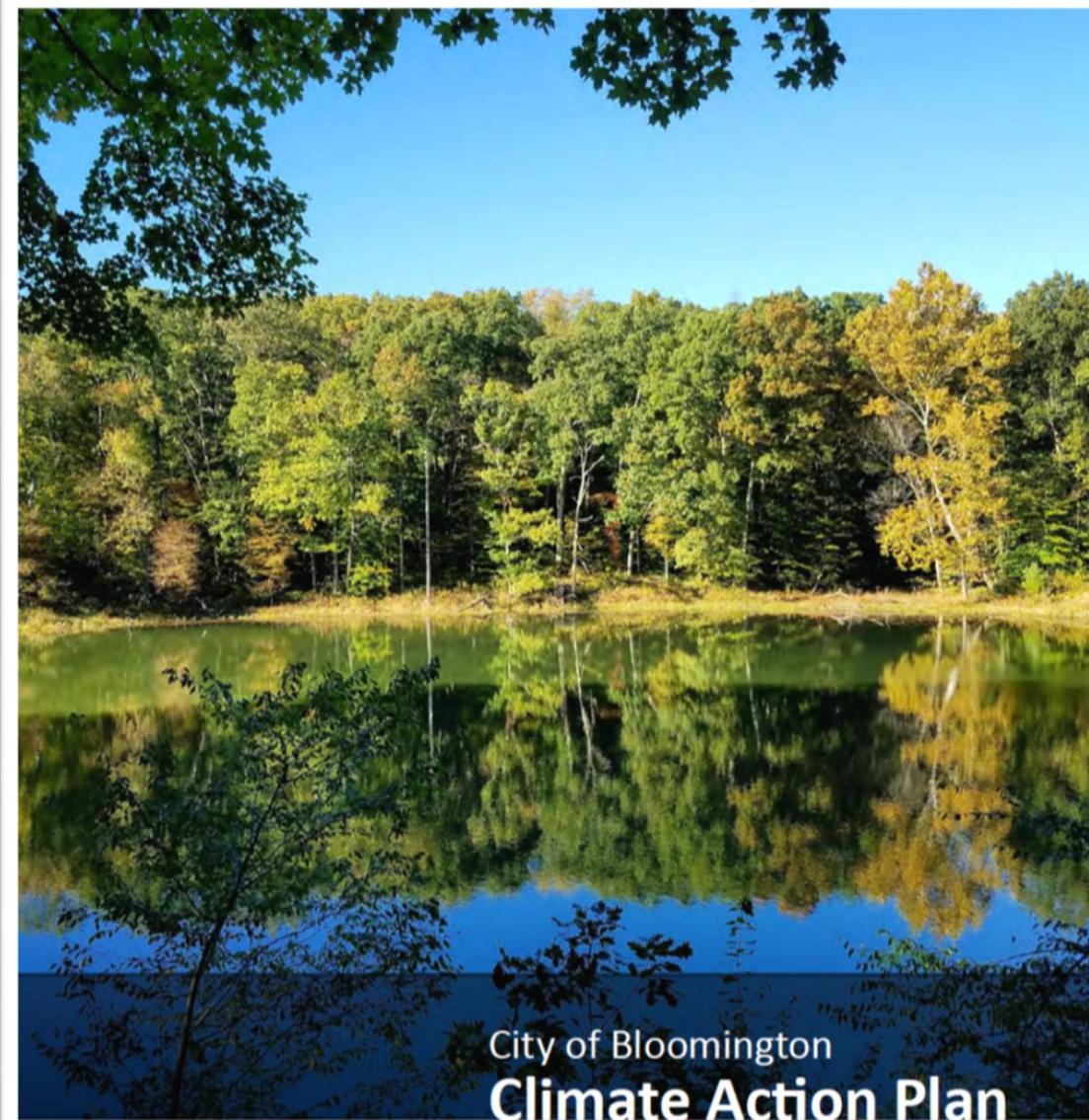


City of Bloomington Climate Action Plan

Resolution 21-08 -

Accepting the City of Bloomington's Climate Action Plan



March 2021



Resolution 21-08

This resolution accepts the City of Bloomington Climate Action Plan (2021) as an advisory document, which is intended to guide City activities and funding priorities.

The City of Bloomington Climate Action Plan delivers on Sustainability Action Plan Goal 1.2 to create a community climate adaptation plan by 2022, as well creating science based targets to reduce Bloomington emissions.



Bloomington Climate Strike, 2019

Concerns

74.3% are Very Concerned (21.5%) or Extremely Concerned (52.8%) about Climate Change. The most noted areas of concern include Ecosystem Loss, Extreme Heat, Availability of Clean Drinking Water, Extreme Weather, Tree/Plant Loss, Impacts to Vulnerable People, and Food Insecurity.



How Concerned Are You About Climate Change?

- 11.6% Not at all concerned
- 6.1% Slightly concerned
- 8.0% Moderately concerned
- 21.5% Very concerned
- 52.8% Extremely concerned

Bloomington Climate Action Plan Survey, 2020, 472 responses

City of Bloomington Climate Leadership

2010s



2020s

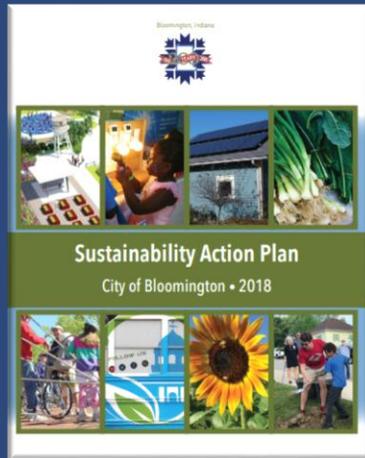
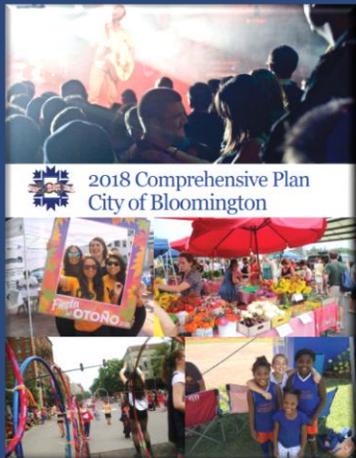


Resolution 21-08



Bloomington Comprehensive Plan Objective: Work Toward a Resilient, Environmentally Responsible Community

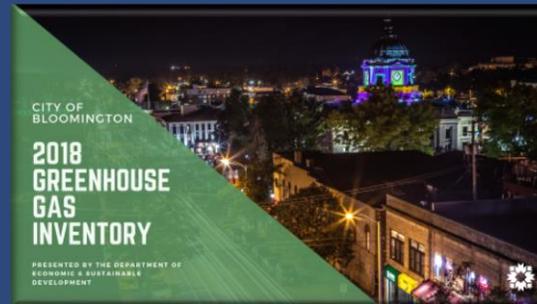
2018 Bloomington Comprehensive Plan, Sustainability Action Plan



Set vision for
Bloomington sustainability



Emissions Inventory & Vulnerability Assessment



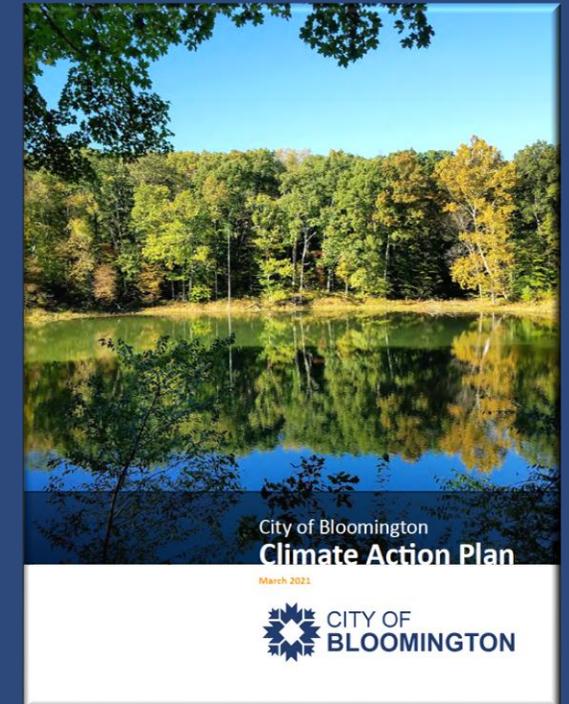
Measure emissions source
and climate impacts

City Initiatives/ Recover Forward



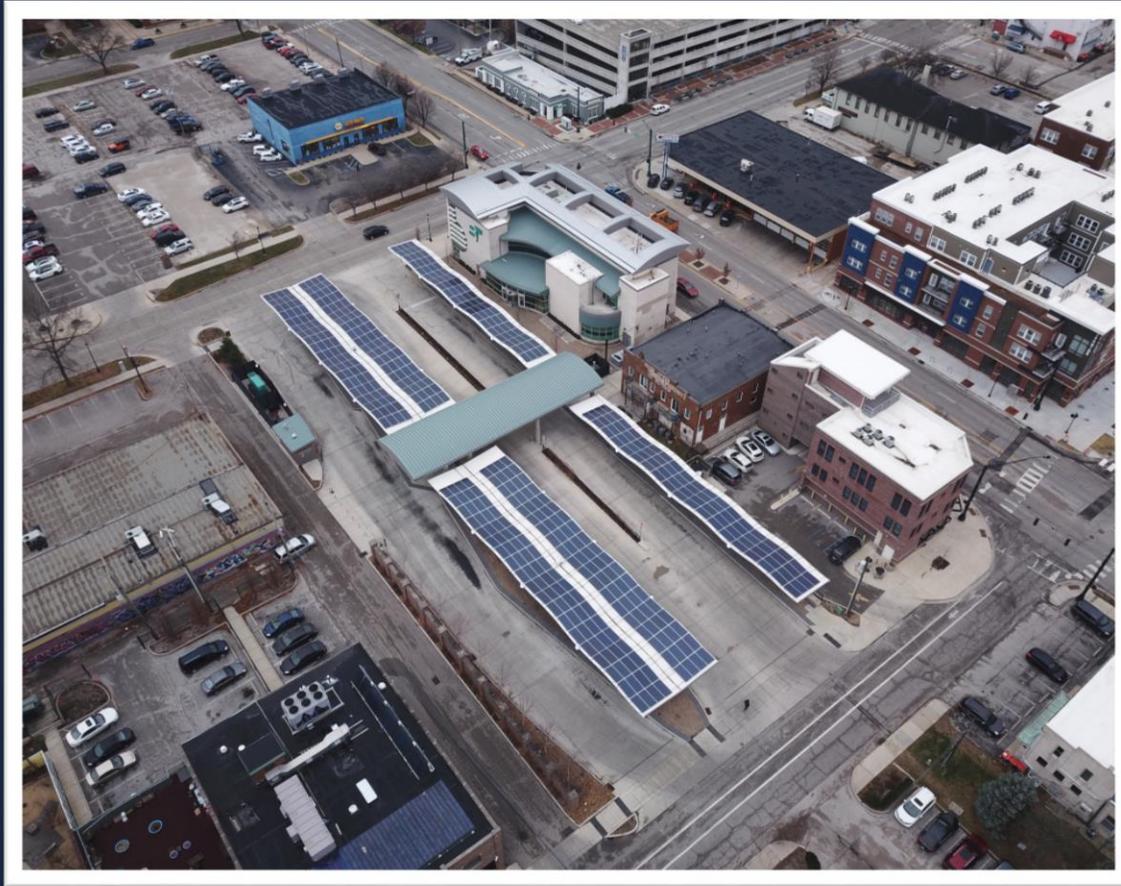
Progress on
climate solutions

City of Bloomington Climate Action Plan



Targeting emissions
reduction and resilience

Climate Action Plan Emissions Reduction Goal

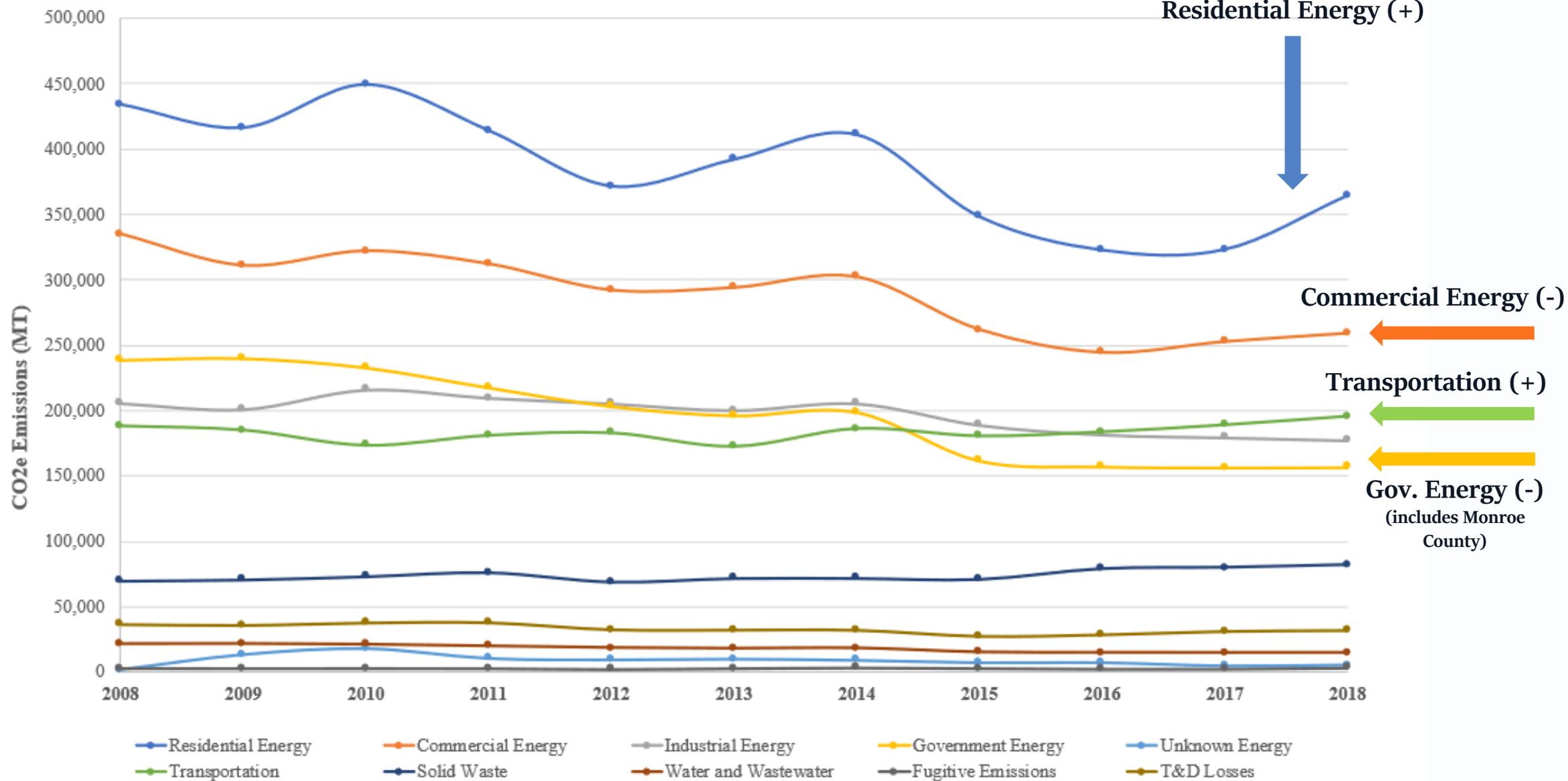


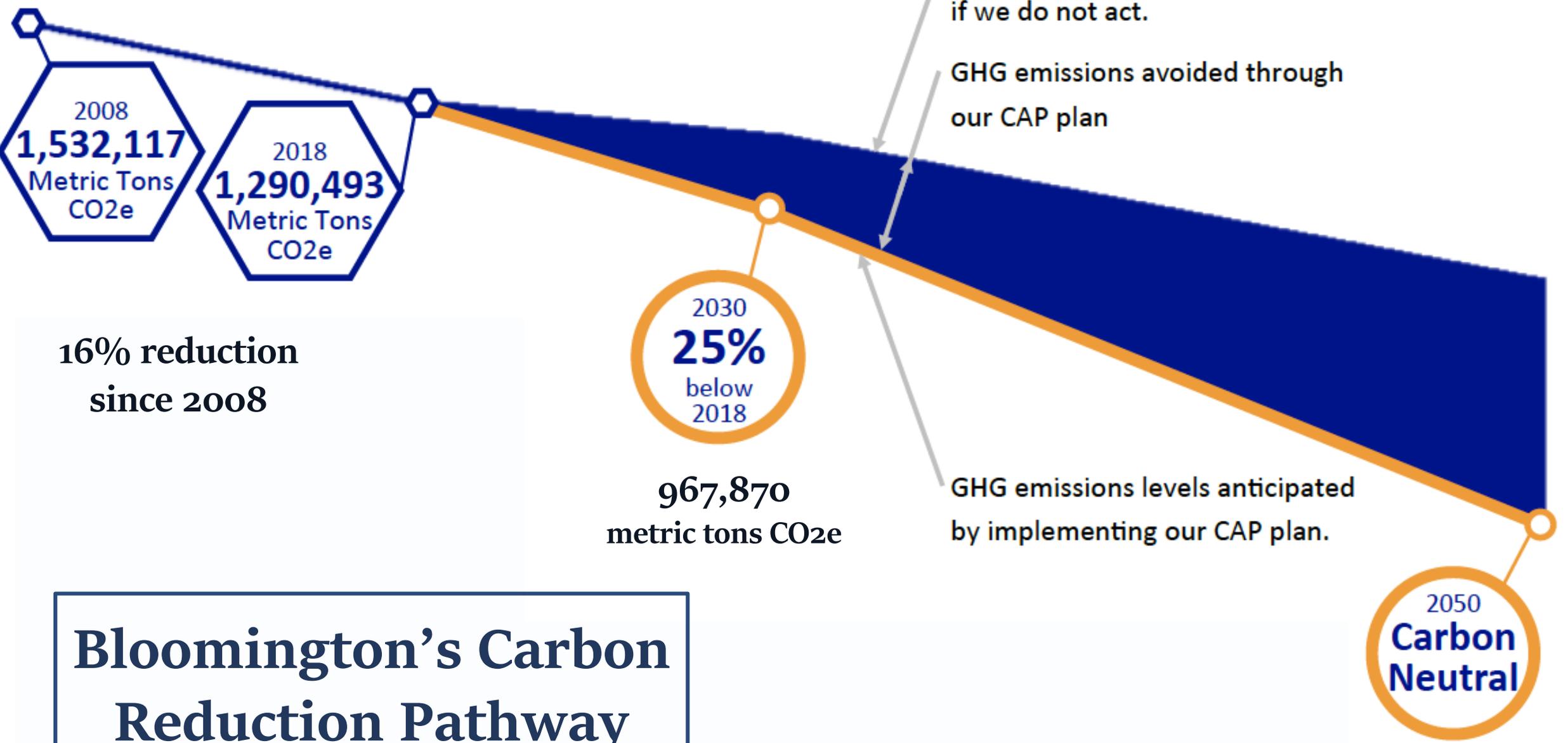
Reduce greenhouse gas emissions by 25% below 2018 levels by 2030 and reach carbon neutrality by 2050.

In compliance with International Panel on Climate Change (IPCC) 2018 recommendations and City commitments to align with Paris Agreement targets.

This goal represents a 40% total reduction in emissions since 2008.

Exhibit 2: Graph of Community-Level Emissions by Sector/Sub-Sector





Bloomington's Carbon Reduction Pathway

Draw Down Emissions



Transportation and Land Use



Energy and Built Environment



Waste Management



Water and Wastewater

Improve Climate Resilience



Local Food and Agriculture



Health and Safety



Greenspace and Ecosystem Health



Climate Economy

Invest in Specific Climate Solutions

Track Goals and Progress

Transportation and Land Use

Goal TL 1 Decrease on-road vehicle miles traveled (VMT) by 8% of 2018 values.

Transportation and Land Use

Strategy TL 1-D:

Increase shared mobility (carpooling) utilization by 3% of work commute trips.

Shared mobility can broadly be as transportation services and resources that are shared among users, either concurrently or one after another. This broader definition includes micro mobility (bike sharing, scooter sharing); automobile-based modes (carsharing, rides on demand, and micro transit); and commute-based modes or ridesharing (carpooling and vanpooling). According to the US Census, workers commuting via carpooling has remained consistently near the 9% level since 2013. Increased carpooling for individuals requiring similar commute routes directly reduces annual VMT and GHG emissions.

How We'll Measure Progress:
Reported public transit commuter data—US Census, Annual VMT data reported

Co-Benefits of Strategy:

Improved Quality of Life



Reduced Costs



Improved Social Connectivity



Reduced GHG Emissions



Goal



Progress Measure



Co-Benefits



TL1-D-4

Establish a minimum of 2 EV car sharing locations in the City by 2023.

2

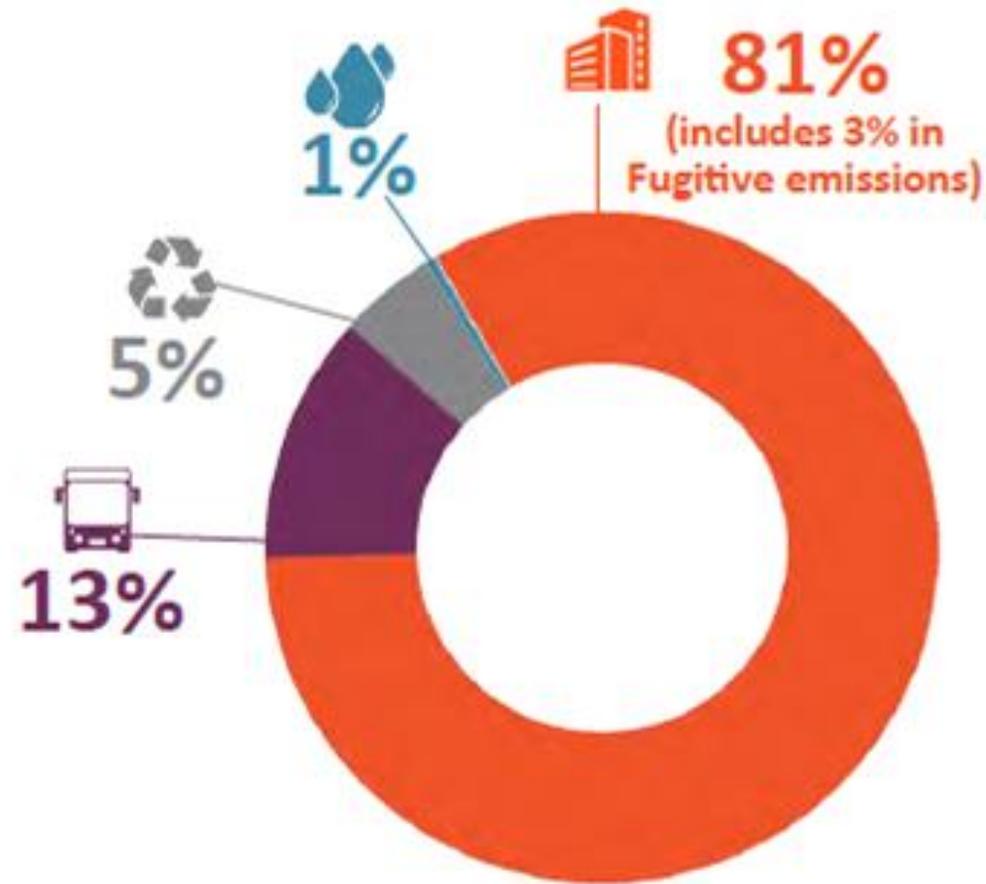
Actions



Plan created in coordination with 27 member advisory team, 3 community meetings, presentations to Council committees, Commissions, hundred of public comments, and review of other cities' climate action plans.

Reduction Share By Sector:

Share of Total 2030 Reductions of Climate Action Plan by Sector:



Energy and Built Environment



Goal EB 1: Increase distributed renewable energy to 250,000 MWH of total generation annually by 2030

Goal EB 4: Promote "fuel switching" to reduce on-site fossil use in the building sector by 3% of 2018 values

Goal EB 2: Increase energy efficiency citywide 16% for electricity and 12% for natural gas of 2018 values

Goal EB 5: Increase financing options for energy efficiency and renewable energy projects citywide

Goal EB 3: Support decarbonization of the local electricity grid



Big Move- Strategy EB 1-B: Support and accelerate installation of on-site solar photovoltaics citywide.



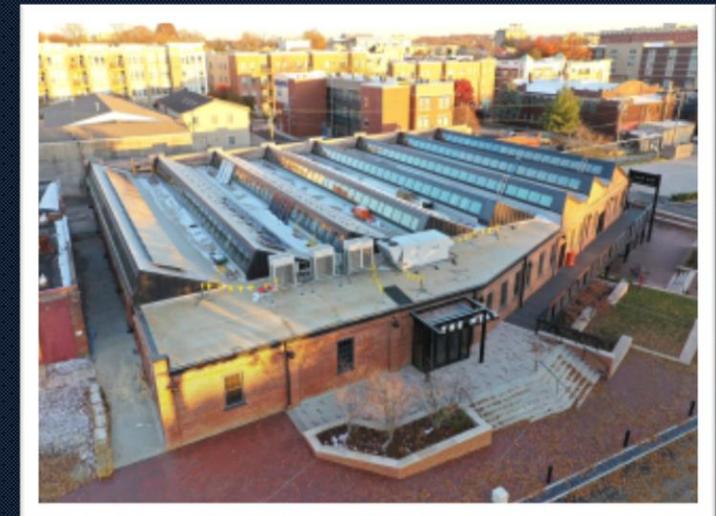
Strengthening nonprofits and the communities they serve.

Solar & Energy Efficiency Loan (SEEL) Program
for Bloomington Nonprofits and Community Institutions



Current City efforts-

- Continued support for Solarize information sessions for community members
- Establishment of loan/ grant solar and energy efficiency program for nonprofits
- Finishing up city solar installations



Transportation and Land Use



Goal TL 1: Decrease vehicle miles traveled (VMT) by 8% of 2018 values

Goal TL 2: Support and encourage electric vehicle adoption, achieve 30% of vehicles sold and 15% of VMT community-wide by 2030



Big Move- Strategy TL 1-A: Reduce single occupancy automobile use by 8% of 2018 values.



Current City efforts-

- **Implementation of Transportation Demand Management Plan**
- **Support for commute alternatives- carpooling, bicycling, walking, transit**
- **Active transportation infrastructure development- Transportation Plan**
- **Municipal fleet electrification**

Waste Management



Goal WM 1: Increase landfill solid waste diversion by 30% of 2018 values (26,500 tons of waste reduction)

Goal WM 2: Educate, motivate, and empower the public to achieve waste reduction and diversion



Big Move- Strategy WM 1-A: Increase organics diversion by 40% of 2018 values (from 33,900 tons - 38.4% of community mixed waste based on private hauler data - to 20,300).



Current City efforts-

- **City facilities composting**
- **Support for Monroe County Solid Waste District compost drop-off site**
- **Innovation Team leaf composting pilot**
- **Evaluation of other composting community drop-off sites**

Water and Wastewater



Goal W 1: Decrease potable water consumption by 3% of 2018 values

Goal W 4: Mitigate flood hazards and impacts

Goal W 2: Maintain source and drinking water quality through climate related challenges

Goal W 3: Reduce energy use associated with treating and transporting water and wastewater by 10% of 2018 values



Climate Resilience Goals



LOCAL FOOD AND AGRICULTURE



HEALTH AND SAFETY

Current City efforts-

- Local Food & Agriculture:
Recover Forward support for grower-owned Rose Hill Farm Stop
- Health & Safety:
Utilities Stormwater Master Plan
- Greenspace/ Ecosystem Health:
Continued Parks prioritized public tree plantings
- Climate Economy:
Focus on workforce development

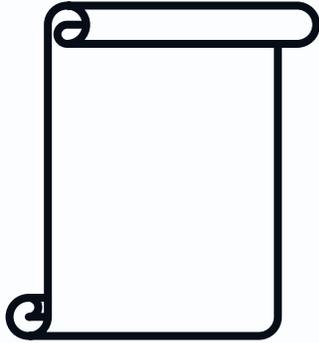


GREENSPACE AND ECOSYSTEM HEALTH



CLIMATE ECONOMY

Climate Action Plan Next Steps



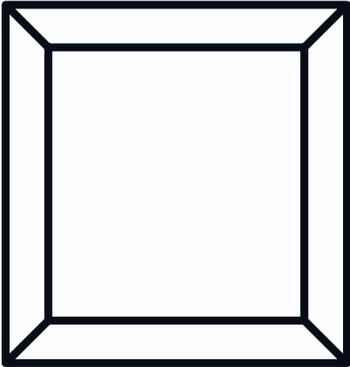
Resolution 21-08

April 2021



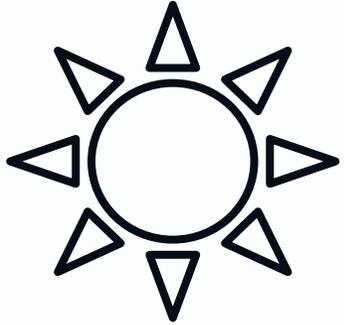
Stakeholder

Engagement



Climate Action

Dashboard Launch



Climate Action

Engagement Platform



Continued implementation of Sustainability Action Plan &

Climate Action Plan initiatives

Focus on mitigation, equity, and resilience



Thank you to the Advisory Group:

Internal:

- City of Bloomington Economic and Sustainable Development Department
- Bloomington-Monroe County Metropolitan Planning Organization (MPO)
- City of Bloomington Parks and Recreation Department
- City of Bloomington Planning & Transportation Department
- Bloomington Transit
- City of Bloomington Utilities

External:

- Bloomington Economic Development Corporation
- Bloomington Health Foundation
- Bloomington Chamber of Commerce
- IU Office of Sustainability
- Greater Clean Cities Indiana
- Monroe County Solid Waste District
- Solarize
- Whole Sun Designs



Questions?

**Lauren Travis
Asst. Director of Sustainability
City of Bloomington**

sustain@bloomington.in.gov

**To find the full Climate Action
Plan and summary go to:**

bloomington.in.gov/sustainability