SUMMARY: CITY OF BLOOMINGTON CLIMATE ACTION PLAN

CITY OF BLOOMINGTON
ECONOMIC AND SUSTAINABLE DEVELOPMENT

TRANSPORTATION AND LAND USE

ENERGY AND BUILT ENVIRONMENT

WASTE MANAGEMENT

WATER AND WASTEWATER

LOCAL FOOD AND AGRICULTURE

HEALTH AND SAFETY

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GREENSPACE AND ECOSYSTEM HEALTH

CLIMATE ECONOMY

This summary gives a brief overview of the City of Bloomington Climate Action Plan and includes each climate goal and corresponding strategies by category.

A Climate Action Plan (CAP) is a roadmap for a community to reduce greenhouse gas (GHG) emissions to mitigate climate change. Bloomington aims to reduce GHG emissions by 25% below 2018 levels by 2030 and reach carbon neutrality by 2050. The plan itself, its strategies, and detailed actions, are intended as a 10 year plan. It is anticipated that this plan would be updated by 2030 to outline the next phase of action towards achieving the long-term community-wide goals.

The CAP was developed in collaboration with a 27 person planning team of community members, economic development representatives, Monroe County staff, and City of Bloomington staff. A public survey and three virtual community meetings further informed the CAP strategies by helping the City identify specific sustainability and climate adaptation needs.

CAP STRATEGIES & GOALS

Transportation and Land Use

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

TL 1 Strategies

A. Reduce single occupancy automobile use by 8% of 2018 values

B. Increase bicycle/pedestrian commuting from 17% to 18% by creating infrastructure to better encourage alternatives to vehicles

C. Increase transit utilization by 10% over 2018 passenger miles by 2030 through infrastructure and frequency investments

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

E. Encourage density and increase housing options and affordability with the goal of increasing gross density by 3% of 2018 values

F. Build Complete Streets; goal 10% increase in Complete Street coverage by 2030

G. Increase pedestrian access and safety

H. Reduce commercial/industrial vehicle use by 8% of 2018 values

I. Reduce citywide off-road and lawn equipment annual emissions to below 35,000 metric tons

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

TL 2 Strategies

A. Transition City fleet to electric vehicle and alternative fuels (hybrid/ hybrid electric, plug in hybrid electric)

B. Support and encourage electric vehicle and alternative fuel (hybrid/ hybrid electric, plug in hybrid electric) vehicle adoption citywide

Energy and Built Environment

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

EB 1 Strategies

A. Increase solar on City facilities 20% by 2030

B. Support and accelerate installation of on site solar PV to 250,000 MWH of total generation citywide annually by 2030

C. Improve energy policy

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

EB 2 Strategies

A. Increase total City owned building electrical energy efficiency 16% for electricity and 12% for natural gas of 2018 values

B. Support and accelerate energy efficiency citywide

C. Increase net zero energy residential building stock to 1% of homes citywide by 2030

Goal EB 3: Support decarbonization of the local electricity grid

EB 3 Strategies

A. Support Duke Energy's grid emissions goal of 50% below 2005 levels by 2030

B. Advocate for stronger State policy

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

EB 4 Strategies

A. Support and accelerate electrification of on-site fossil fuel combustion systems citywide by 2% of 2018 consumption levels (natural gas, propane, fuel oil, etc.)

B. Support and accelerate low/no carbon alternatives to on-site fossil fuel combustion by 1% of 2018 consumption levels (natural gas, propane, fuel oil, etc.)

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

EB 5 Strategies

A. Promote equity in energy and resource costs and ownership

Waste Management

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

WM 1 Strategies

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)

B. Increase recyclables diversion by 35% of 2018 values (from 28,000 tons 31.7% of community mixed waste based on private hauler data to 18,200)

C. Increase diversion of potential recoverables by 33% of 2018 values (from 8,000 tons 9% of community mixed waste based on private hauler data to 5,280)

D. Support waste reduction through policy and operational refinements

E. Expanded recycling and organics options for multifamily residents

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

WM 2 Strategies

A. Create, implement, and promote public awareness and education campaigns

Water and Wastewater

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

W 1 Strategies
A. Promote increased water conservation citywide

B. Maintain and update City plans and standards in support water conservation goals

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

WM 2 Strategies
A. Improve water quality protections and awareness

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

WM 3 Strategies
A. Reduce energy use associated with treating and transporting water and wastewater by 10% of 2018 values
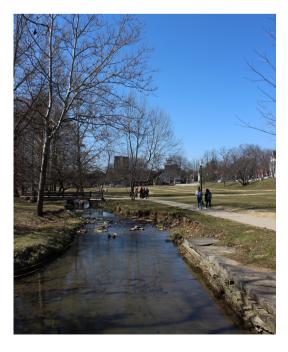
B. Capture and use of wastewater energy potential

Goal W 4: Mitigate flood hazards and impacts

WM 3 Strategies
A. Update design standards and plans for flood mitigation

B. Increase green infrastructure capacities citywide

Local Food and Agriculture

Goal FA 1: Increase food and nutrition security citywide

FA 1 Strategies
A. Address financial food insecurity

B. Improve food access

Goal FA 2: Increase local agricultural resilience to climate shocks

FA 2 Strategies
A. Provide information and promote climate responsive agriculture practices

B. Support climate resilient agriculture through City plans and programs

Goal FA 3: Increase and stabilize local food market

FA 3 Strategies
A. Increase local food supply

B. Strengthen demand for local foods

Health and Safety

Goal HS 1: Educate, engage, and empower the public for climate health and safety

HS 1 Strategies

A. Improve training to address risks exacerbated by climate change

B. Establish and expand public health communication campaigns.

Goal HS 2: Prepare Bloomington for climate risks and impacts

HS 2 Strategies

A. Strengthen community response capacity and support networks

B. Improve equity of climate adaptation measures

Goal HS 3: Respond to climate risks and impacts

HS 3 Strategies

A. Assist the city's heat, flooding, and storm vulnerable population in preparing for and mitigating climate change impacts

B. Establish a climate impacts mutual aid program

C. Establish and update plans to address climate risks and impacts

Greenspace and Ecosystem Health

Goal G 1: Increase quantity and quality of greenspace within the community

G 1 Strategies
A. Establish city greenspace plans integrating findings and goals of Climate Action Plan

B. Improve the connectivity and functionality of greenspaces within the city

Goal G 2: Increase quantity and quality of climate adaptive native habitats

G 2 Strategies
A. Create and expand native habitat policies and infrastructure

B. Increase the use of native species and pollinator restoration areas

Goal G 3: Increase citywide tree canopy coverage by 3% of 2018 values

G 3 Strategies
A. Establish city plans and policies in support of tree canopy and ground cover goals

B. Support and empower community partners, businesses and residents in meeting tree canopy goals

Goal G 4: Reduce stormwater and micro heat island impacts

G 4 Strategies
A. Reduce impervious surfaces

B. Increase water uptake capacity of greenspace

Climate Economy

Goal CE 1: Build marketplace climate resilience

CE 1 Strategies

A. Evaluate climate risks to businesses

B. Accelerate the transition to a carbon free local economy

Goal CE 2: Attract, create, and support businesses that are committed to sustainability and climate goals

G 2 Strategies

A. Increase workforce development for the climate economy

B. Support Climate Economy economic development and new business creation

Goal CE 3: Develop new mechanisms for financing City climate action plan implementation

CE 3 Strategies

A. Leverage existing financing pathways

B. Develop new financing pathways