

A Win-Win! Save Money and Mitigate Climate Change

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Welcome!

Today's Agenda

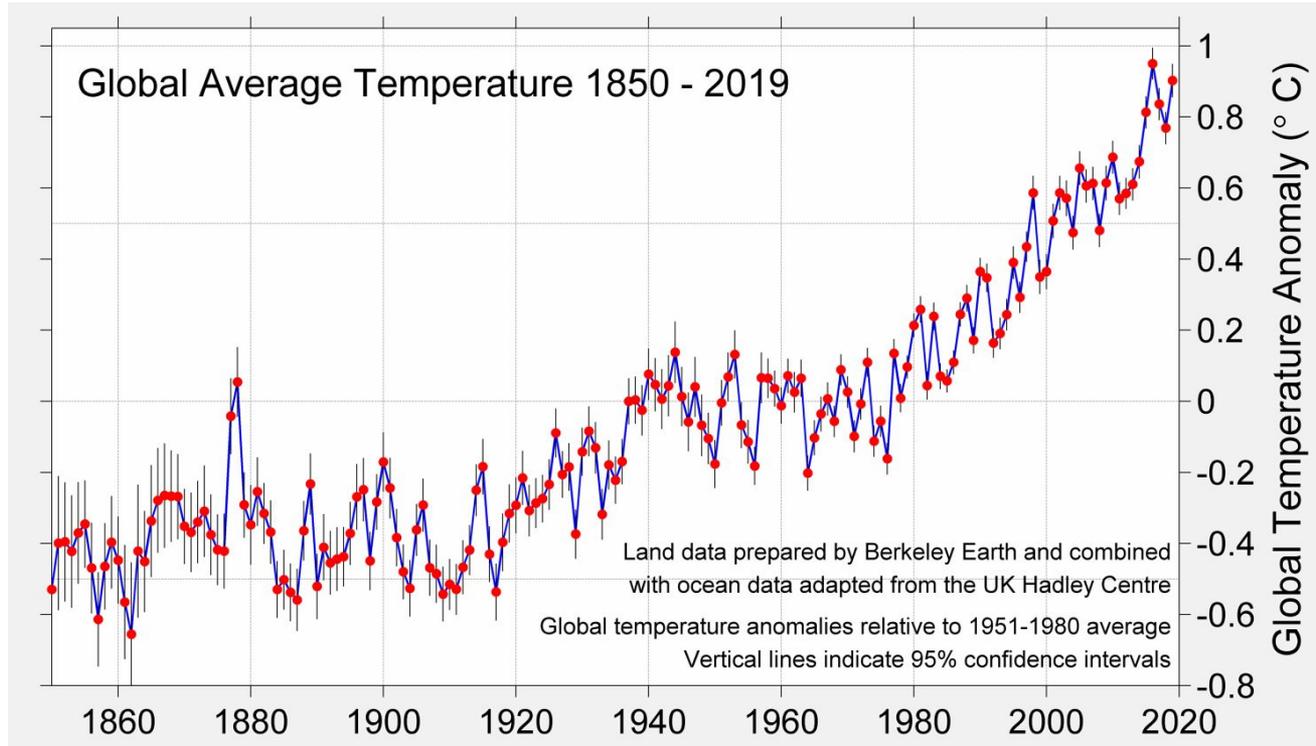
1. Climate Change Overview
2. Climate Action Plan
3. Rewiring America
4. IRA Tax Incentives
5. Local Incentives
6. Q & A

What is Climate Change?

Climate change refers to shifts in temperatures and weather patterns sustained over several decades or longer.

- American Meteorological Association

What is Climate Change?



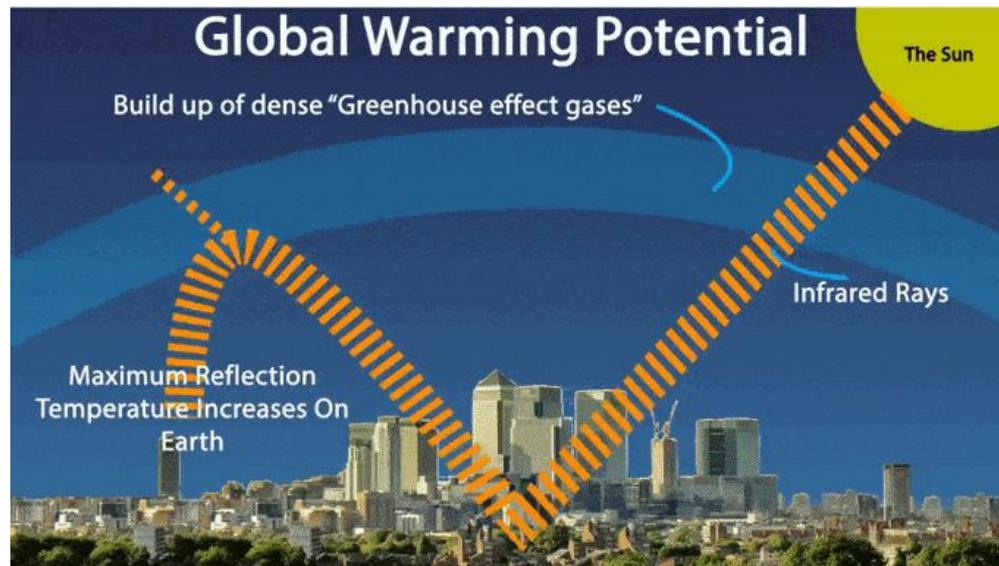
Cause of Climate Change

Since the 1800s, human activities have been the main driver of climate change, primarily due to the burning of fossil fuels such as coal, oil and natural gas.

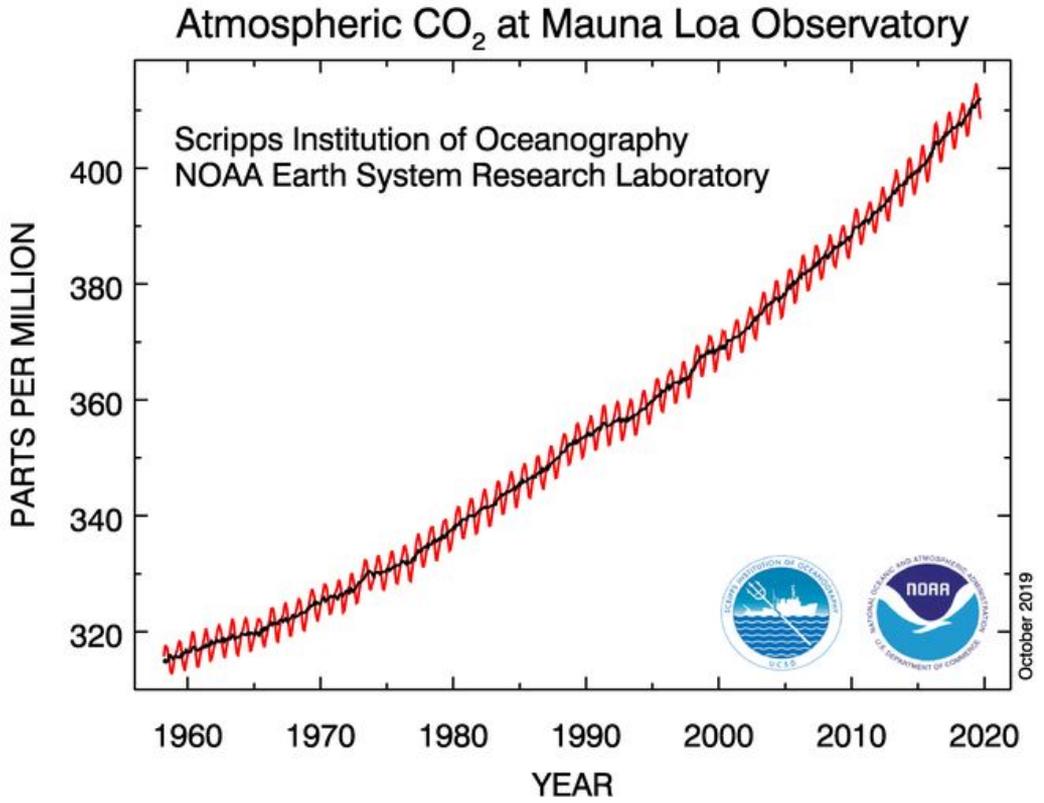


Cause of Climate Change

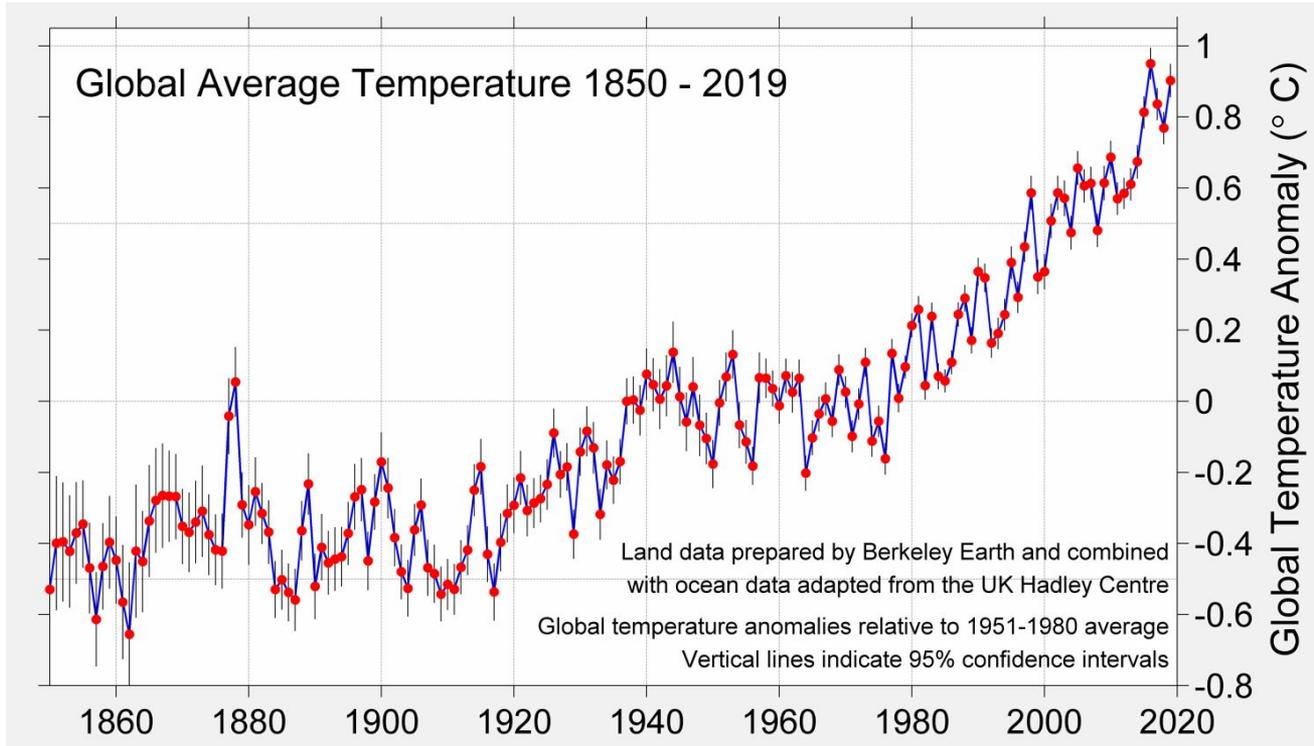
Burning fossil fuels generates greenhouse gas (GHG) emissions that act like a blanket wrapped around the Earth, trapping the sun's heat and raising temperatures.



Greenhouse Gas Emissions: Carbon Dioxide (CO2)



Paris Climate Agreement



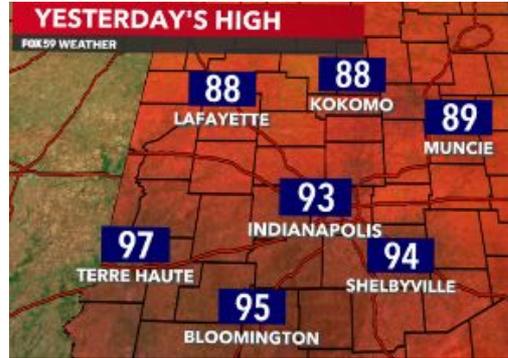
Local Impacts of Climate Change Impacts

Flooding



2021 Flood
Kirkwood Ave.

Extreme Heat



2023 Heat Dome
110 Degree Heat Index

Air Quality



2023 Canadian Wildfire Smoke

Climate Change Projections

By 2100, Bloomington can expect



Increase in days above 95 degrees F
+ 70 days



Increase in ac demand
40 - 50%



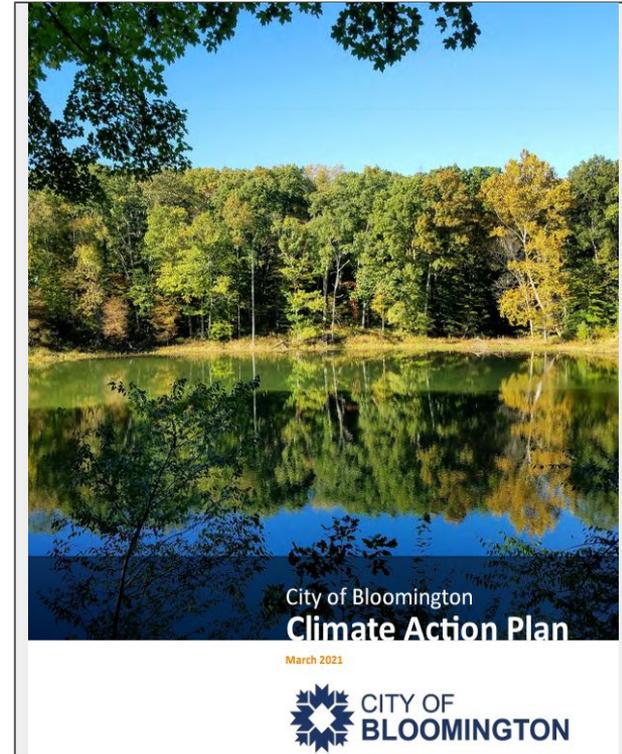
Increase in annual average temperature
8 - 11 degrees F



Increase in heavy precipitation
30%

City of Bloomington Climate Action Plan

- Goals are to reduce community wide greenhouse gas emissions by 25% (below 2018 emissions levels) by **2030** and achieve carbon neutrality by **2050**.
- Achieved by reducing greenhouse gas emissions through energy efficiency, waste reduction, renewable energy, electrification, etc.
- Greenhouse gas emissions must be reduced by residents, commercial/industrial businesses, city operations, educational institutions, nonprofits, healthcare, etc. to reach our goal
- Let's learn about what you can do to save money and reduce your greenhouse gas emissions!!



Rewiring America

- The nation's leading electrification nonprofit
- Focused on electrifying homes, businesses, and communities
- Develop accessible, actionable data and tools
- Help Americans save money, tackle nationwide emissions goals, improve health, and build the next generation of the clean energy workforce.
- Believe in an abundant, flourishing, climate-safe future
- Evie Bauman, Manager of Local Engagement



BGHIP provides up to **\$1,000** rebates and low-interest loans for residents investing in solar and energy efficiency upgrades for their homes.

bloomington.in.gov/sustainability/BGHIP

Climate Action Plan Implementation

E-Bike Voucher Program

- Up to \$1,000 voucher to help offset the cost of purchasing an electric bike



Bloomington Commission on Sustainability Grant Program

- Up to \$1,000 for neighborhood rain gardens, tree planting, composting, etc.



What Can You Do To Reduce Greenhouse Gas Emissions?



City's climate action platform for households.

Residents can:

- register to calculate their households carbon footprint
- complete various actions to track their impact
- compete with others in the community

Questions?

More Climate Change Talks

Noon to 12:45pm

February 14: Tree Planting & Maintenance for Storm Resilience

March 20: Climate Resilient Food Gathering

April 10: Climate Change and Health: What's the Connection?

See the Parks and Recreation Dec-April 2024 Program Guide

THANK YOU.

