

City of Gloucester Climate Action and Resilience Plan

Clean Energy Commission Presentation

Thursday, September 9, 2021

Cut Bridge Productions



MVP
Municipal Vulnerability
Preparedness



Agenda

- Introductions
- Gloucester's Climate Work to Date
- Project Scope Overview & Timeline
- Next Steps
- Q&A

Team Introductions



Gregg Cademartori
City of Gloucester
Planning Director



Gemma Wilken
City of Gloucester
Staff Planner



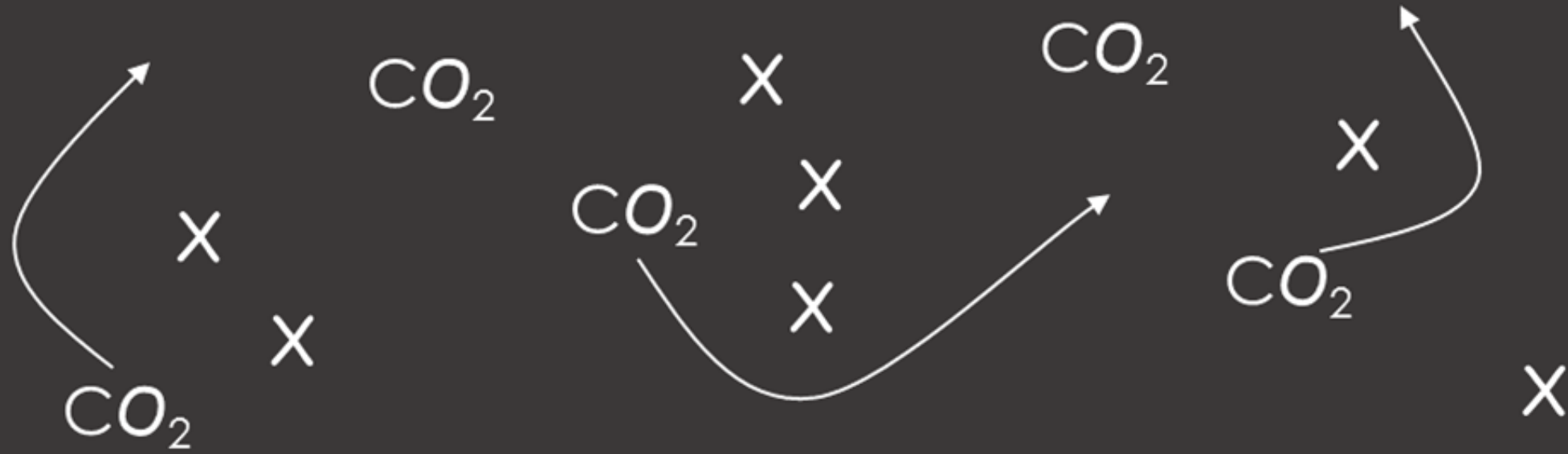
Van Du
MAPC
Project Manager



Julie Curti
MAPC
Project Advisor



MAPC's Municipal Net Zero Playbook



- Net Zero Buildings
- Zero Emission Mobility
- Clean Energy Supply

- Climate-Smart Permitting and Zoning
- Framework for Action
- Framework for Equity

City of Gloucester: Climate Work to Date

MITIGATION

- Green Communities (GC) Designation (2010)
- Blackburn Wind Turbine Commissioning (PPA) (2012)
- GC Funded Energy Retrofits O'Maley, GHS, Sawyer Free Library (2013)
- Idle Reduction Retrofit DPW/Police Vehicles (2013)
- Municipal Electric Car Fleet and Charging Stations (2015)
- LED Streetlight Conversion (2016)
- National Grid Community Initiative (2017, 2018)
- Rogers Street Charging Station (2018)
- GC Funded EMS Energy Retrofit Gloucester High School (2018)
- Community Electricity Aggregation (2019-2021)
- GC Funded LED lighting retrofit at GHS (2020)
- GC Funded EMS expansion at GHS (2020)
- Adopted PACE (2021)
- Demand Response (2021)
- New Community Electricity Aggregation (2022-2024)
- Energy Efficient Zoning (2021-ongoing)
- CARP and GC Application Development (NOW)

ADAPTATION

- MIT Consensus Building Institute – Scenario Planning (2010)
- Little River Restoration and Flood Mitigation (2014)
- Climate Change Vulnerability Assessment and Adaptation Plan (2015)
- Feasibility and Re-design of Vulnerable Pump Stations (2017)
- MVP Action Plan (2018)
- MVP Action Water Supply Vulnerability Assessment (2019)
- Floodplain Zoning (2021-ongoing)
- Gloucester High School Flood Mitigation (Ongoing)
- Wastewater Treatment Plant Flood Mitigation (Ongoing)

Gloucester Climate Action and Resilience Plan Overview

An inventory of Gloucester's current (baseline) greenhouse gas (GHG) emissions, renewables, and natural resources.

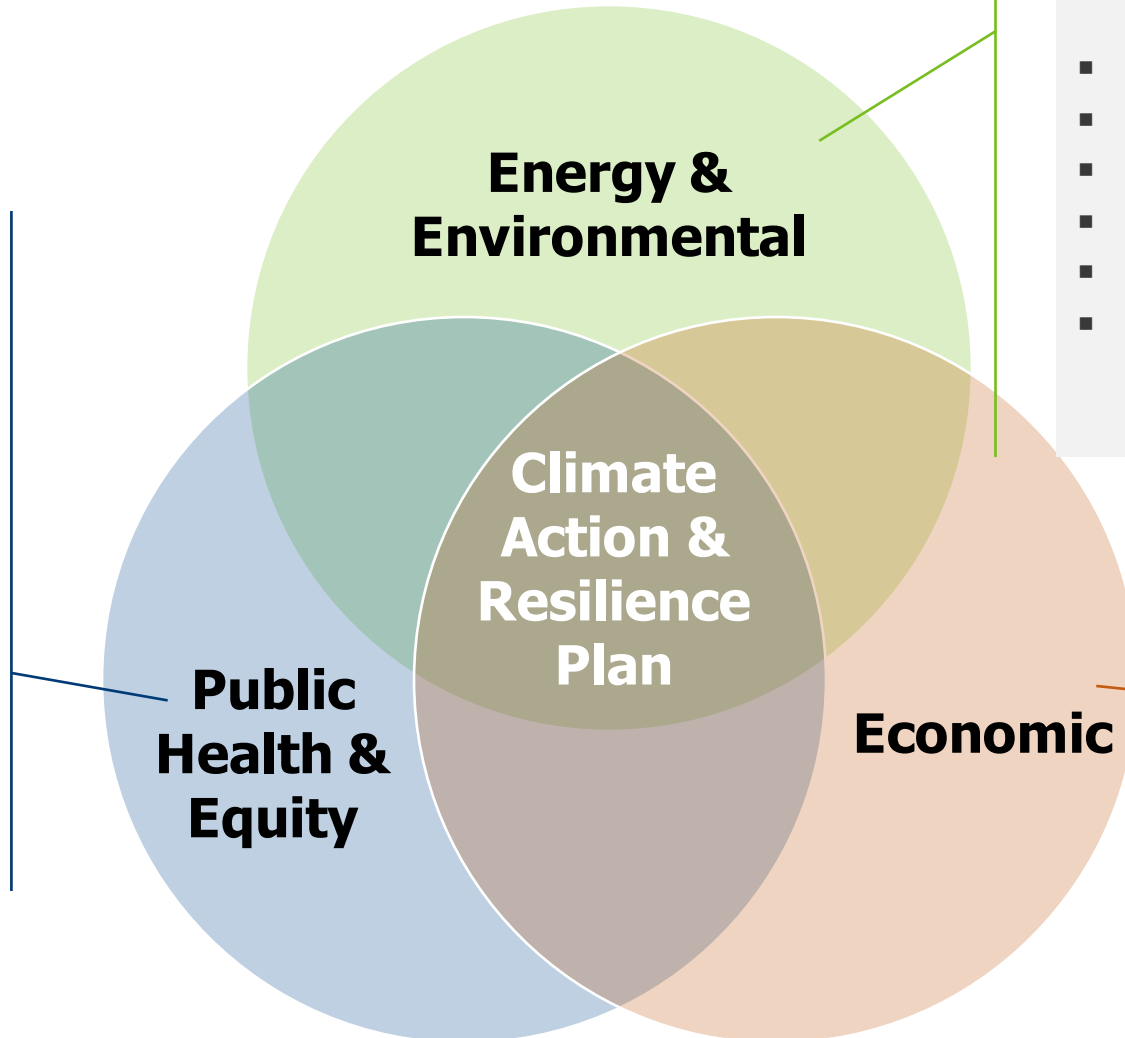
An equitable community outreach plan and approach.

A set of community goals (GHG emissions reduction, renewable energy deployment, forest and watershed protection, enhanced community resiliency, etc.).

A community roadmap that sets forward both municipal and community actions that advance the community's identified climate goals.

Co-Benefits of Climate Action

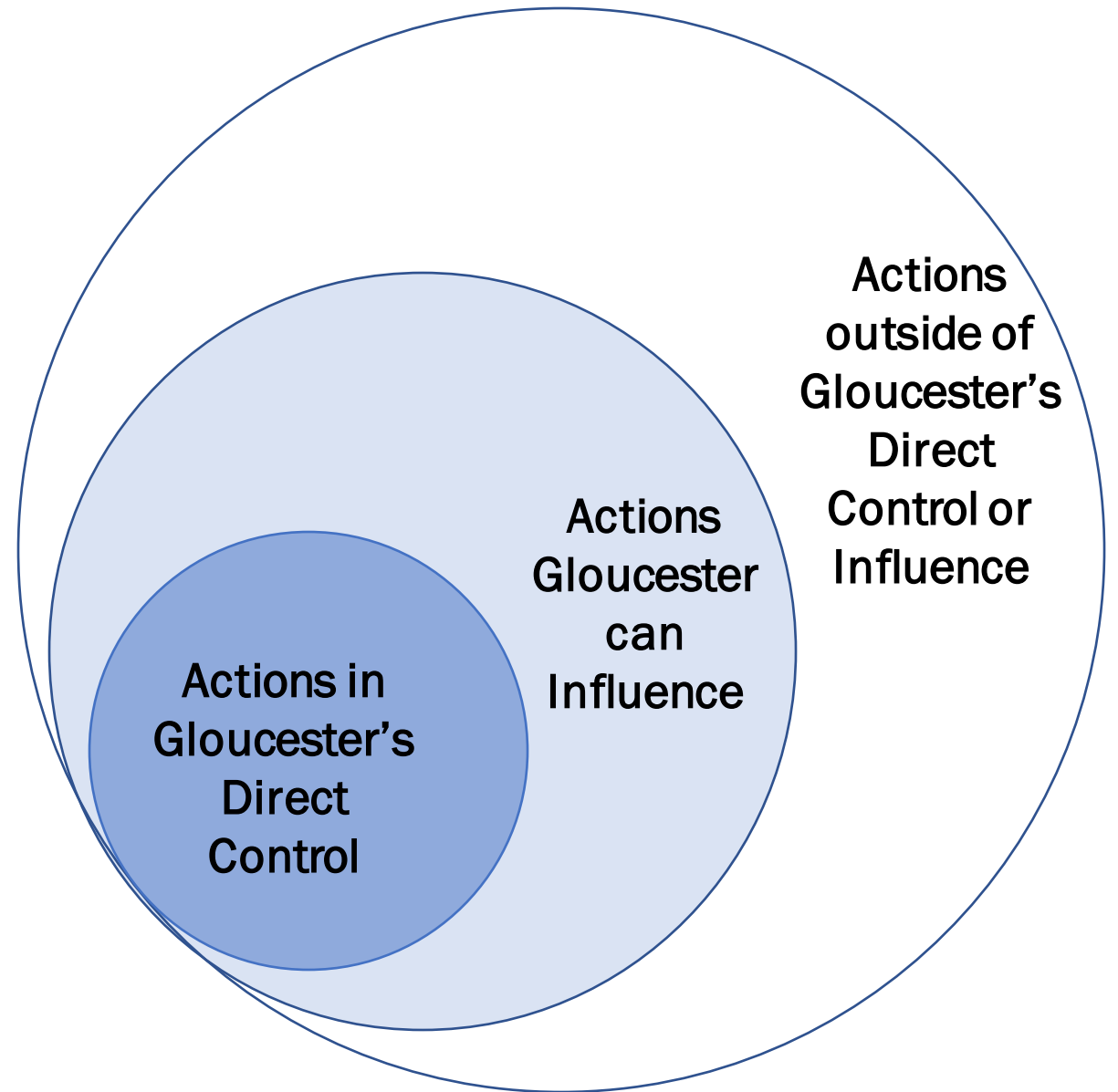
- Improve respiratory health
- Avoid unnecessary deaths
- Support active lifestyles
- Save on health-related costs
- Reduce health burdens on Environmental Justice populations
- Reduce community vulnerabilities and strengthen social cohesion



- Ensure a stable and diverse energy supply
- Reduce peaks in price
- Build a resilient energy system
- Support local energy production
- Reduce common pollutants
- Minimize climate change impacts
- Increase resilience of natural resources and long-term water quality/quantity

- Support a green economy and local economic opportunity
- Provide good green jobs

Spheres of Influence



Equity Assessment

For each strategy in the plan, answer:

Who has been historically impacted?



Who will be most impacted by the types of changes to our climate we expect to see?



How will the benefits of this strategy be distributed?





Next steps

- Data collection for GHG Inventory
- Stakeholder and Equity Assessment
- Outreach Strategy Development
- Community Visioning Workshop

Discussion and Q&A