



Energy and Climate Committee (ECC)

Annual Retreat Agenda

April 11, 2023, 1:00-3:00 pm

Keene Recreation Center, Room 14

Members:

Zach Luse, Chair

Paul Roth, Vice Chair

Diana Duffy

Jake Pipp

Councilor Raleigh Ormerod

Jude Nuru

Peter Hansel

Clair Oursler

Kenneth Swymer

Councilor Bryan Lake

Beth Campbell

Lisa Maxfield, Alternate

Chuck Redfern, Alternate

Rowland Russell, Alternate

Staff:

Mari Brunner, Senior Planner

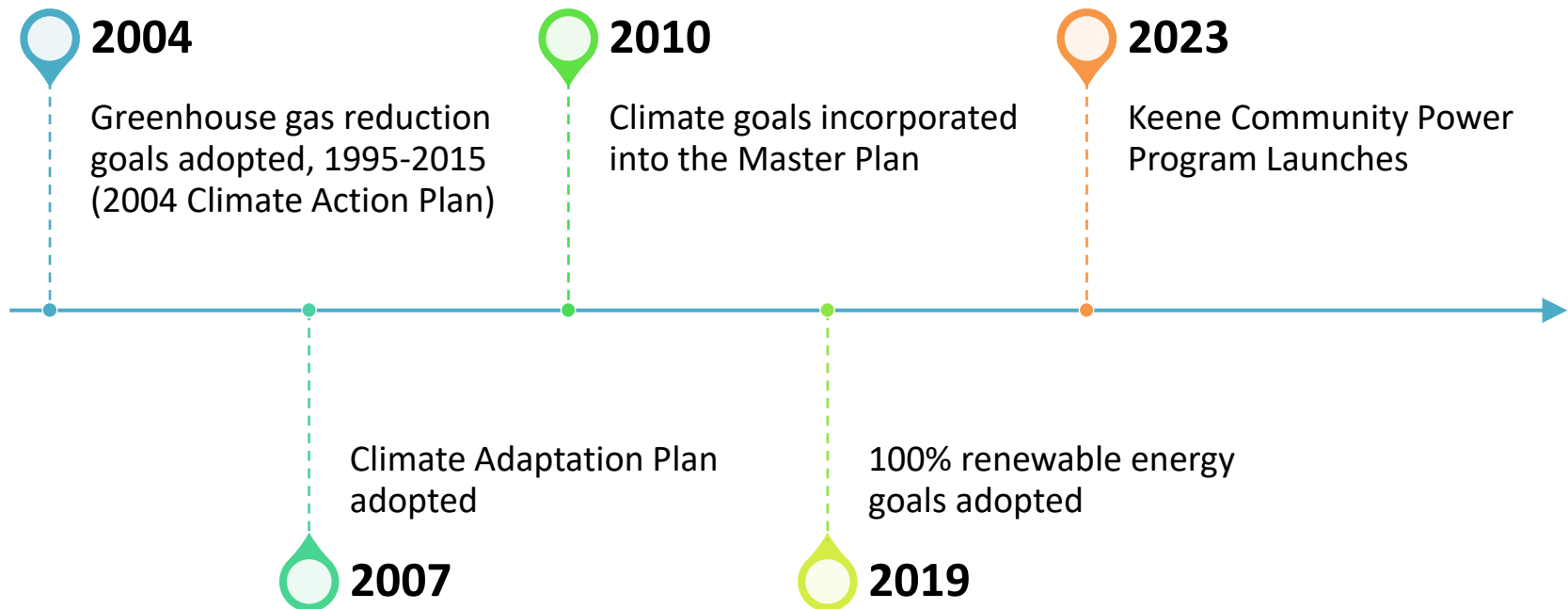
- I Call to Order
- II Guest Speaker: Julia Griffin, Clean Energy NH Board member and former Town Manager for the Town of Hanover
- III Overview of Keene Energy and Climate Goals / Policies
- III ECC Overview: Role, Purpose, & Recent Progress
- IV Priorities for 2023-2024
 - What have we done well? What have we accomplished?
 - What could we improve?
 - What are our goals for the upcoming year? How should they be prioritized?
- V ECC Work Groups
 - What work groups do we want to have in 2023-2024?
 - How can we make the work groups more effective?
- VI Wrap-up and Next Steps
- VII Adjournment

City of Keene Energy & Climate Goals and Initiatives

Energy and Climate Committee Retreat

April 11, 2023

Timeline of Climate / Energy Goals & Plans



Climate Action Plan & GHG Reduction Targets

City joined Cities for Climate Protection Campaign and formed committee in 2000

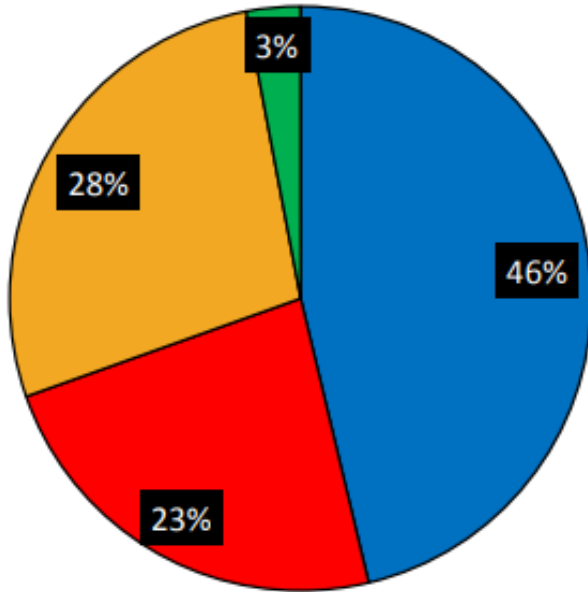
Baseline greenhouse gas emissions inventory completed in 2001 for 1995 baseline year

Plan adopted 2004; set goal to reduce local government emissions by 20% and community emissions by 10% by 2015

Result: Municipal emissions reduced by 25% (not including the landfill);
Community emissions reduced by ~ 3%

*Read the full plan at
<https://keenenh.gov/energy-and-climate-committee> (look under "Further Information")*

2015 Emissions By Sector



TRANSPORTATION

Mobile emissions from on-road fuel use



COMMERCIAL & INDUSTRIAL

Direct and indirect commercial and industrial energy use



RESIDENTIAL

Direct and indirect residential energy use



SOLID WASTE

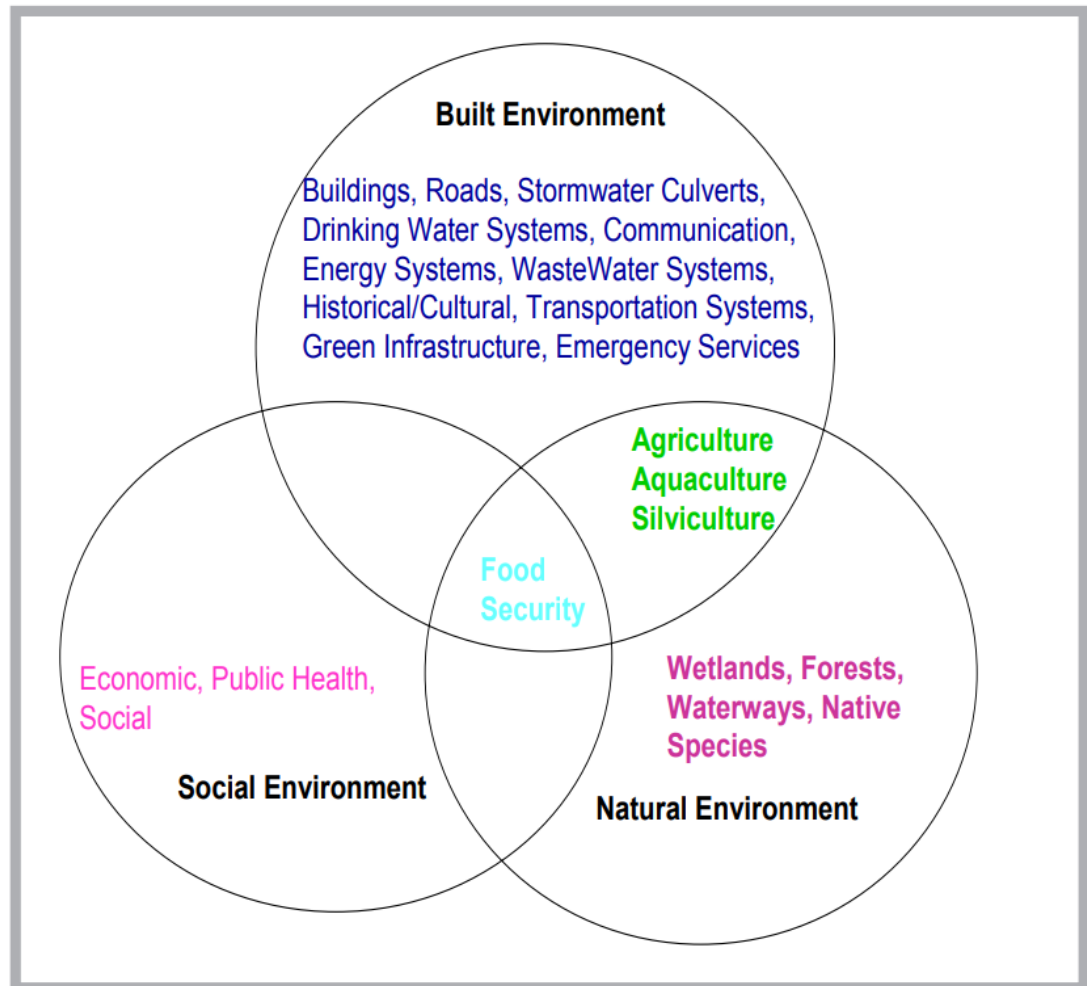
Emissions from waste generation and waste transportation

2015 Community GHG Emissions

- Read the full report at <https://keenenh.gov/energy-and-climate-committee> (look under “Further Information”)

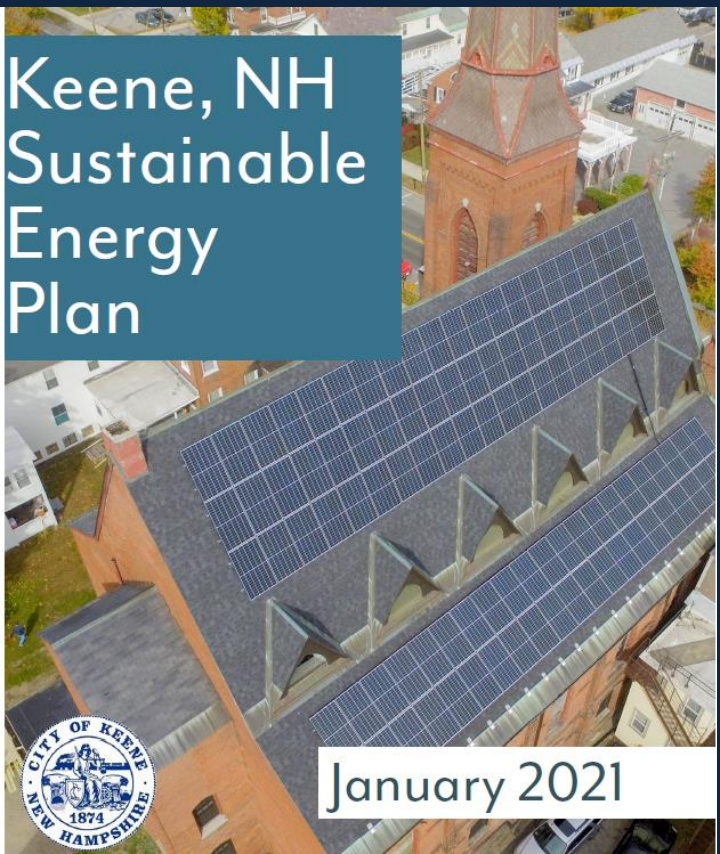
Adapting to Climate Change: Planning a Climate Resilient Community

- Keene signed on to ICLEI's Climate Resilient Community pilot program, and was the first community in this program to develop a "Climate Resilient Action Plan" in 2007
- Looks at three sectors: Built Environment, Natural Environment, and Social Environment
- Includes a multitude of goals and targets



Read the full plan at <https://keeneh.gov/energy-and-climate-committee> (look under "Further Information")

Sustainable Energy Plan



Keene, NH Sustainable Energy Plan

VISION:

In 2050, the City of Keene will be a thriving and resilient community powered by affordable, clean, and renewable energy.

All electricity and energy used for heating, cooling, and transportation will come from renewable energy sources.

Read the full plan at www.KeeneEnergyPlan.com

January 2021



Energy Plan Implementation Pathways



**Reduce
energy use.**



**Generate and
store
renewable
energy locally.**

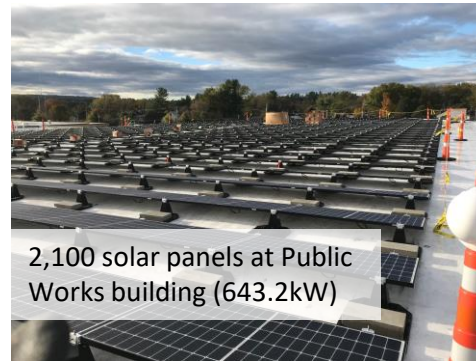


**Switch remaining
energy demand
to renewable
sources.**



**Conduct
ongoing
education and
information-
sharing.**

What has the City done?



**KEENE
COMMUNITY
POWER**
COMING YOUR WAY



Energy and Climate Committee Overview

Purpose, Functions & Guidelines, and
Recent Progress

Energy and Climate Committee Purpose

- Sec. 2-1088 of City Code
- In order to protect Keene's public health, safety and welfare, as well as the economic vitality of the community, the energy and climate committee exists to:
 - **Monitor and advocate** for the reduction of greenhouse gas emissions,
 - **Promote** energy conservation and efficiency, as well as the use and production of renewable energy, and
 - **Increase awareness** of and resilience to the expected impacts of a changing climate.



ECC Role/Functions

- Sec. 2-1092 of City Code
 - Update Climate Action Plan (CAP)
 - Coordinate goals & measures of CAP
 - Advise City Council
 - Promote successes, awards, recognitions
 - Outreach and education
 - Apply for grants / pursue other funding
 - Receive gifts/donations
 - Other (as required by City Council or requested by the City Manager)

Recent Work – Energy Plan Work Groups

- **Home Energy Labeling**
 - Research into model
 - Participation in NEEP cohort
- **Weatherization / Energy Efficiency**
 - Annual Keene Energy week
 - Partnership with CET – NHSaves Button Up workshops
 - Commercial energy audits in 2021
 - Window Dressers in 2022
- **Community Solar**
 - Research
 - Identified potential sites
- **Electric Vehicles**
 - Research
 - Working on proposal for incentives/guidelines
- **Renewable Energy Loans**
 - Research
 - Reached out to local financial institutions
- **Outreach and Education**
 - Creating outreach list of like-minded organizations to quickly disseminate information