



Green Energy Committee

State of the Town

November 15, 2022

Big Picture

Climate action planning process



Green electricity for Lincoln



Opt-in stretch energy code



All-electric new construction

Lincoln Got the Grant!

- ▶ Award: \$100,000 to write a Climate Action Plan
- ▶ Grant Program: Massachusetts Municipal Vulnerability Preparedness (MVP)
- ▶ Consultants: Metropolitan Area Planning Council (MAPC)
- ▶ Participants: All of Lincoln!

A Climate Action Plan Will Help Lincoln:



Develop strategies and actions to achieve net-zero emissions by 2050



Address climate impacts on public health



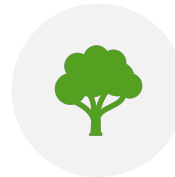
Address water quality and quantity issues



Reduce climate impacts on agriculture

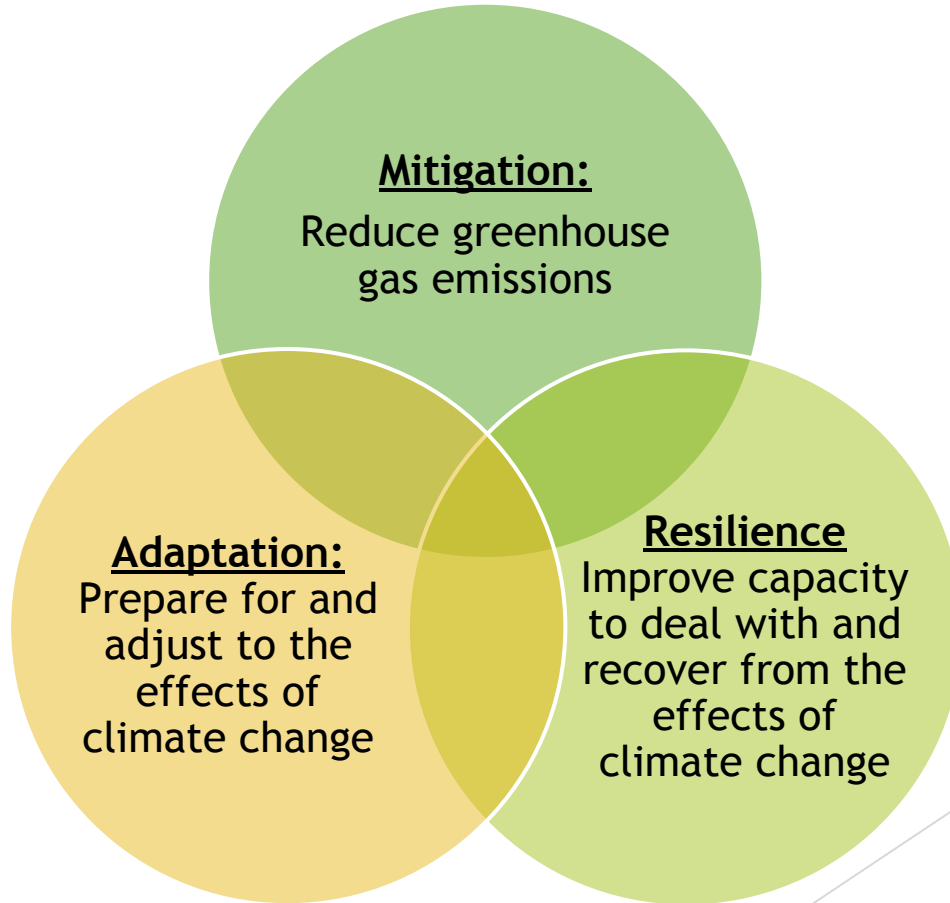


Develop contingencies for infrastructure failures



Address climate equity and impacts on vulnerable populations

The Goals of a Climate Action Plan



What Is Next?



November - December
2022

Engage Community
Set Goals
Develop Action Strategies



January - May 2023

Select Strategies
Draft and Review Plan
Finalize Plan



June 2023

Release Plan!

Fossil Fuels Used for Buildings Cause 1/3 of Lincoln Carbon Emissions

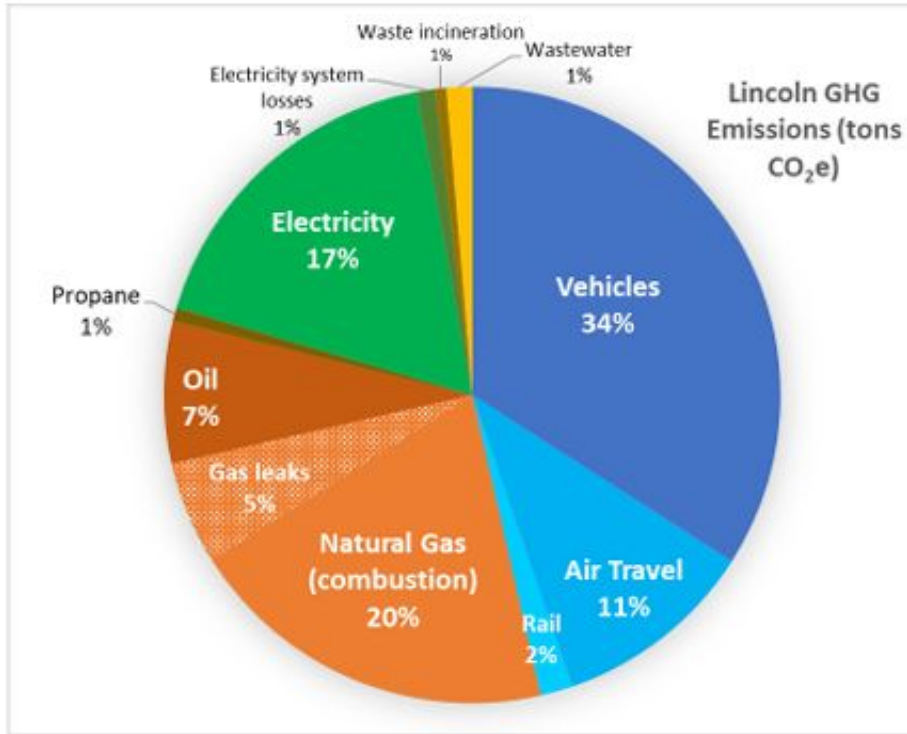


Figure 1 – Emissions Summary (2017)

So buildings need to:

- Be more energy-efficient
- Be all-electric (not burn fossil fuels)
- Get electricity from “green” sources

Lincoln Green Energy Choice

Success to date

- Over \$1 million saved
- Over 10% have chosen "100% Green"
- Emissions reduced 50%!

New contract for 2023

- Big unavoidable increase in underlying power costs
- Green electricity costs held steady
- Opting up to 100% still available

Path to 100% green?

New “Specialized” Energy Code

- ▶ Published September 2022
 - ▶ Optional for each town
 - ▶ Requires higher efficiency (insulation, etc.) than code that otherwise would apply
 - ▶ But does not require that all new construction be all-electric
- ▶ Lincoln can adopt at 2023 Town Meeting

Ten-Town Pilot Program for All-Electric New Construction



**Town Meeting
March 2022**

Voted to seek
legislative authority



**Climate Act signed
Aug. 2022**

Allows Lincoln to
participate in pilot
program



**Town Meeting
2023**

Vote on specific
bylaw

We Seek Your Input

- ▶ Attend public meetings coming up
- ▶ How to sign up for text/email notices: bit.ly/LincolnNotices
- ▶ Get more details at GEC websites: (see same link as above)
- ▶ Want to volunteer? Contact Jen Curtin at the Planning Board or any GEC member:
 - ▶ Roy Harvey
 - ▶ Ed Kern
 - ▶ Sue Klem
 - ▶ Ed Lang
 - ▶ Paul Shorb
 - ▶ C.J. Volpone