



# ENERGY

THE CITIES OF BEVERLY AND SALEM HAVE PARTNERED TO CREATE **RESILIENT TOGETHER**: OUR PLAN TO TAKE COLLECTIVE ACTION IN THE FACE OF THE CLIMATE CRISIS.

Implementing policies, programs, and projects that foster the uptake of smart, reliable, clean energy generation and promote ongoing energy efficiency.

## WHAT DOES ENERGY INCLUDE?

Sources of energy we use to power, heat, and cool our homes, businesses, and industry

Efficient use of energy in municipal buildings and infrastructure operation and maintenance

Renewable energy generation

Electrical grid reliability and resilience

Smart Grid development: automation, metering, and controls to improve grid efficiency and flexibility

## HOW DOES ENERGY CONTRIBUTE TO OUR LONG-TERM RESILIENCE AND SUSTAINABILITY?

**1.**

The greatest opportunity to reduce our greenhouse gas (GHG) emissions is to reduce energy consumption by improving the efficiency of aging infrastructure while shifting to clean and renewable sources of energy.

**2.**

Supporting expansion of microgrids, battery storage, and backup power supplies will enhance resilience during extreme weather events and during periods of peak energy demand.

**3.**

Embracing smart, clean energy technology can create new workforce development opportunities and strengthen the local economy.

# 100%

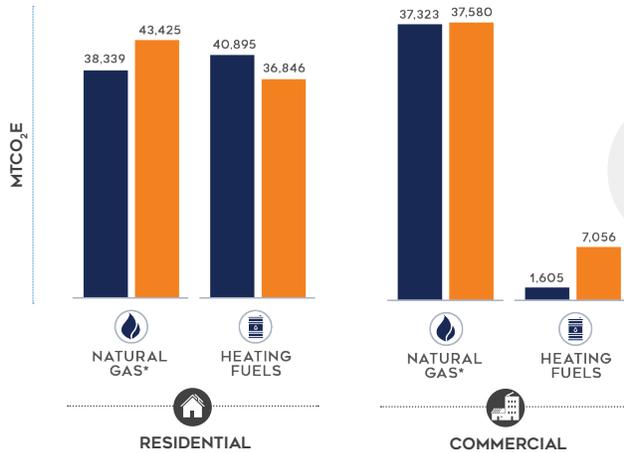
BEVERLY & SALEM'S COMMITMENT  
TO RENEWABLE ENERGY BY 2050

## Residential and Commercial MTCO<sub>2</sub>e by Fuel Type\*

● BEVERLY ● SALEM

As our electricity grid continues to get cleaner with solar and wind sources, it will be essential for us to shift to electric sources of heat for our homes and businesses.

\*includes leakage



## Emissions from Electricity

Nearly 20% of total GHG emissions in Beverly and Salem come from electricity. Electricity generation in New England currently relies heavily on natural gas, which is less polluting than fossil fuels like coal, but still generates GHGs until we shift to clean, renewable electricity.



GHG Emissions Inventory, 2020

## Solar Power

Beverly has almost 800 PV solar energy installations. Salem has nearly 600.



Some of the energy-related strategies being considered for the **Resilient Together** plan include, but are not limited to:

- › Improve backup power sources for critical City facilities.
- › Increase capacity for solar and wind energy storage.
- › Explore feasibility of large-scale offshore wind projects to power City electric consumption.
- › Develop an energy benchmarking and disclosure policy for municipal and commercial buildings.
- › Deploy strategies that allow community to overcome existing hurdles to solar and other clean energy installations.
- › Increase access to energy efficiency programs for low-income and senior residents.

## DID YOU KNOW?

### Community Choice Aggregation

A program towns and cities can use to switch everyone on basic electric service over to cleaner energy. Community members pay fixed, lower rates by purchasing power together.



Salem has a Community Choice Aggregation (CCA) program called Salem PowerChoice.

Beverly's CCA is in development.



LEARN MORE AND SHARE YOUR IDEAS AT  
[RESILIENT-TOGETHER.ORG](https://www.resilient-together.org)