



Introduction to Energy Planning

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Energy & Transportation Community Forum

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Energy Planning: What and Why?



Plans typically identify:

- Goals
- Pathways
- Strategies





State Plan



Vermont Comprehensive Energy Plan (2016)

The cover of the 2016 Vermont Comprehensive Energy Plan report. It features a dark blue background with a gold outline of Vermont on the left. The Vermont Department of Public Service logo is in the top right. Three colored circles (red, blue, and light blue) represent the sectors: HEAT, TRANSPORTATION, and ELECTRICITY. The title "2016 Vermont Comprehensive Energy Plan" is in large yellow and white text.

VERMONT
DEPARTMENT OF PUBLIC SERVICE

HEAT

TRANSPORTATION

ELECTRICITY

**2016
Vermont
Comprehensive
Energy Plan**



State Goals



2016 CEP Goals

By 2025, **reduce total energy consumption by 15%**

By 2050, **reduce total energy consumption by >1/3**



RENEWABLE ENERGY

Energy

Consumption



By 2025, **remaining energy needs are met by 25% renewable sources**

By 2050, **remaining energy needs are met by 90% renewable sources**

Reduce GHG emissions by:

CO₂

40% by 2030, and 80% to 95% by 2050

Source: <https://gsy.bailwickeexpress.com/gsy/news/greenhouse-gas-emissions-rise-first-time-four-years/#WywNKdJKM8>

Source: 2017 Two Rivers-Ottawaquechee Regional Plan: Regional Energy Implementation Plan



State Goals



Renewable End Use Sector by 2025



Transportation



Buildings



Electric Power



Source: 2017 Two Rivers-Ottawaquechee Regional Plan: Regional Energy Implementation Plan



Regional Plan



Regional Energy Implementation Plan (2017)

A collage of images related to energy and environmental management, including a waterfall, solar panels, a person using a spray can, a map of Vermont, and a farm with green silos.

Regional Energy Implementation Plan
A Pathway to Achieving Vermont's Energy Goals
Adopted July 26, 2017

TRORC
Two Rivers-Ottawa-Quechee
REGIONAL COMMISSION



Hartford's Role



Transportation

- Hold or reduce per capita vehicle miles travelled to 2011 levels (11,402)
- Reduce single-occupancy vehicle trips by 20% by 2030
- Decrease fossil fuel-based transportation by 10% by 2025

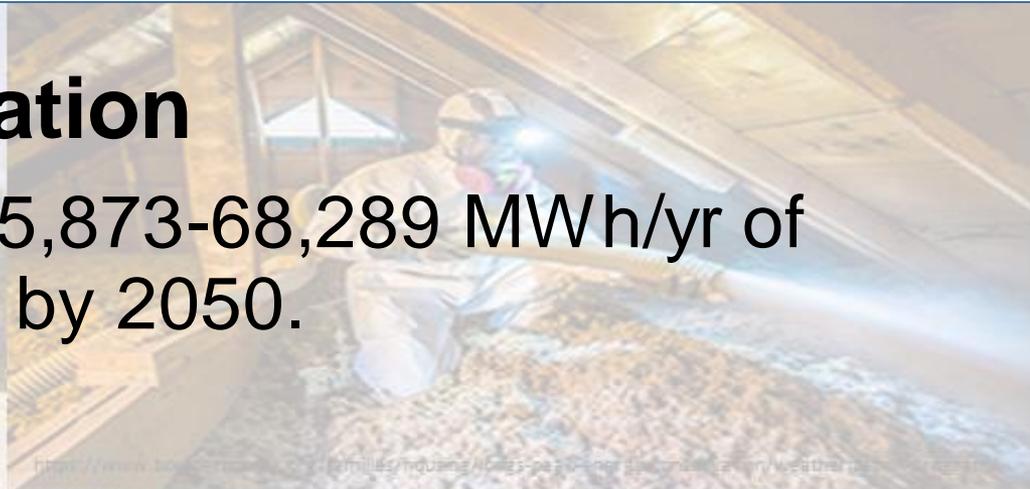
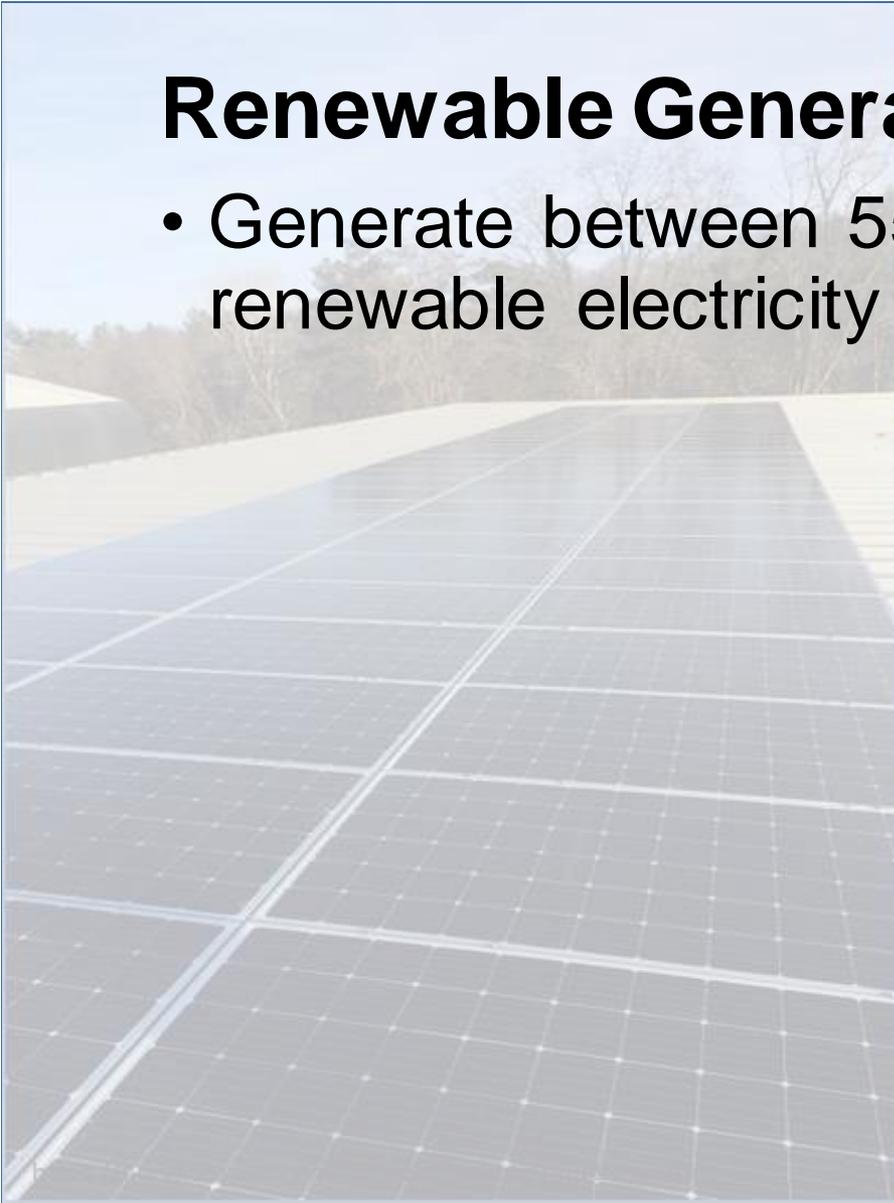


Hartford's Role



Renewable Generation

- Generate between 55,873-68,289 MWh/yr of renewable electricity by 2050.





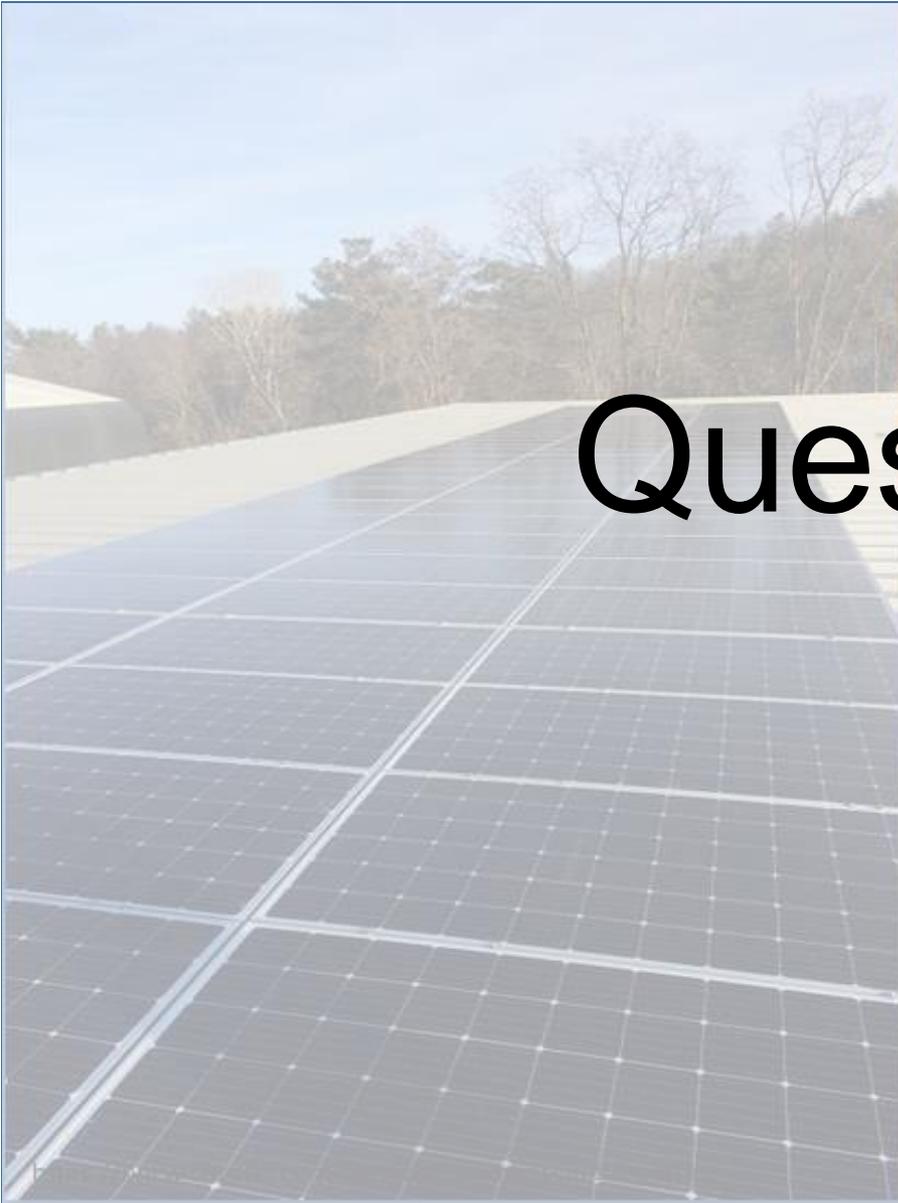
Hartford's Role



Building Integrity

- Weatherize 25% of Hartford's housing stock by 2020
- Use renewable energy to heat 50% or more of Hartford's housing stock by 2025





Questions?

