

Regional Energy Plan Update

Full Commission Report

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July 9th, 2025

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ADDISON
LINCOLN
SALISBURY

BRIDPORT
MIDDLEBURY
SHOREHAM

BRISTOL
MONKTON
STARKSBORO

CORNWALL
NEW HAVEN
VERGENNES

FERRISBURGH
ORWELL
WALTHAM

GOSHEN
PANTON
WEYBRIDGE

LEICESTER
RIPTON
WHITING

Our Previous Plan

- Adopted in 2018
- Guided by Statute
- Total Energy Consumption
- Renewable Generation Targets
- Transportation Targets
- Heating Targets
- Pathways/Recommendations by Section
- Maps

The Update Process: how we started and where we are

- Development of new plan begins in the Winter of 2023 to 2024
 - New Data Becomes Available
 - Funding to Resource Plan Creation Comes Online
- Energy Committee and Energy Planner Develop Draft
 - Draft plan developed during the Fall of 2024
 - Energy Planner Departure/Arrival
 - 1st Draft Read Through by Energy Committee
 - 1st Round of Revisions and Edits by Energy Planner
 - Adoption of New Requirements
 - Distribution of second draft to energy committee for comment
- Full Commission Presentation
 - Process and Major Changes Discussed
 - On-going work
- Cheryl, did I miss any important history?

Our New Plan

- Grounded in Statute, but
- Driven by Key Goals
 - Energy Justice
 - Climate Change Resilience
 - Energy Security
 - Present in Introduction, throughout body, and in recommendations section
- Updates to:
 - Electricity
 - Heating
 - Transportation Goals
 - Maps
- Separation of Sector-specific sections
 - Use
 - Infrastructure
 - Targets sections
- CPRG
- Recommendations

Key New Features

- Energy Goals
 - What is the purpose of this plan?
 - Which energy themes is it trying to address?
 - In addition to statutory requirements
- Recommendations Section
 - Broken out from individual energy sectors to a distinct section
 - Specific sign posting to which planning standards need to be met
 - Extensive relating to the primary energy goals driving the plan
- CPRG Requirements
 - Renewable Energy, Forest Blocks, and Climate Change Priorities
 - New Mapping
 - New Generation Potential Analysis

Regional Progress Made - Electricity

- Renewable Energy Generation
 - 136,000 MWhs 2015
 - 132,000 MWhs 2020
 - 189,000 MWhs 2024 – Verifying
 - 96.76% of 2050 Domestic Renewable Generation Goal
 - Generation Potential – CPRG Relevant
 - Solar
 - Prime Sites: 1,871,403.49 MWh - Verifying
 - Prime Sites, No Habitat Blocks: 1,113,383.63 MWh – Verifying
 - Wind
 - Prime Sites: 1,143,140.92 MWh - Verifying
 - Prime Sites, No Habitat Blocks: 977,053.47 MWh – Verifying

Regional Progress Made - Transportation

- Fuel Demand Targets
 - Light Duty
 - Electricity: 11, 93, 192 thousand MMBtu (2025, 2035, 2050)
 - Gasoline: 416, 202, 26 thousand MMBtu (2025, 2035, 2050)
- Progress
 - Light Duty: 600 thousand MMBtu (2023)

Regional Progress Made - Heating

- Residential Fuel Demand Targets
 - 2025, about 1150 thousand MMBTU
 - 2035, about 875 thousand MMBTU
 - 2050, about 725 thousand MMBTU
 - Substantial shift in share from electricity, not underway yet
- Right Track
 - Electricity – 117% increase, but only to 6% residential share
 - Fuel Oil/Kerosene – 16% decrease
- Wrong Track
 - Propane/Tank Gas – 9% increase
- It's Complicated
 - Utility Gas – 289% increase
 - Wood – 13% decrease

Areas of Concern and Barriers

- Limited Transformer/Distribution Head Room Available
 - Solutions
 - New Transformer Installations
 - New Energy Storage
 - New Demand
- Sun-setting of PTC and other subsidies
 - Solutions
 - Shifting Focus
 - Existing Public Funding Sources
 - New Public Funding Sources
 - Non-profit space

Our next steps

- Distribution of Draft to Full Commission
- Receive Comments from
 - Energy Committee
 - Full Commission
- Revise and Edit
- Distribute Revised Draft in Advance of September meeting
- And then...

Questions and Comments

- Email– jlarrison@acrpc.org