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)
State Goals

2016 CEP Goals

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<tr>
<th>Goal</th>
<th>2025</th>
<th>2050</th>
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<td>Reduce total energy consumption by</td>
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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:

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

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

State Goals

Renewable End Use Sector by 2025

- **Transportation**: 10%
- **Buildings**: 30%
- **Electric Power**: 67%

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