ENERGY SCORECARD: ORWELL

Enhanced Energy Plan Status: None

Energy Efficiency

Orwell’s total energy usage has increased by 7% between 2016 and 2020. Average residential usage has also increased by 3% in that same period.

Target: 2025
Energy Usage Reductions: 11%

Take Action:
- Promote the replacement of lighting and appliances with efficient alternatives to homeowners and businesses
- Replace outdated appliances and lighting in municipal buildings
Contact Efficiency Vermont to learn more about available incentives.

Grade: C

Transportation and Land Use

According to the DMV, 25 of the 703 cars registered in Orwell are electric, equalling 26% of the 2025 target.

Target: 2025 2035
EVs in Use: 95 649

Take Action:
- Update zoning regulations to increase density and transportation efficiency.
- Encourage the installation of public EV chargers on municipal property and at local businesses.
  - Contact the GMP Business Innovation Team for help.
- Host an EV demonstration event in your town.
  - Contact ACRPC or Drive Electric VT for more information.

Grade: C

Land Use Planning

<table>
<thead>
<tr>
<th>Land Use Planning</th>
<th>Current ?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town Plan</td>
<td>X</td>
</tr>
<tr>
<td>Zoning and Subdivision Regulations</td>
<td>✓</td>
</tr>
<tr>
<td>Village Center or Downtown Designation</td>
<td>✓</td>
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</table>
Thermal Efficiency

Heat Pumps

85% Complete

Since 2016 Orwell has surpassed the 2025 and 2035 targets and installed 210 of the 248 heat pumps necessary to reach the 2050 target.

Take Action:
- Perform outreach to community on benefits and incentives of weatherization.
- Perform energy efficiency retrofits on municipal buildings

Contact ACRPC or Efficiency VT for support.

Weatherization

<table>
<thead>
<tr>
<th></th>
<th>Project Count</th>
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<tbody>
<tr>
<td>Home Performance with ENERGY STAR®</td>
<td>2</td>
</tr>
<tr>
<td>Other Weatherization</td>
<td>1</td>
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<tr>
<td>New Residential Construction</td>
<td>0</td>
</tr>
<tr>
<td>Homes Weatherized</td>
<td>3</td>
</tr>
</tbody>
</table>

Orwell has weatherized 0.5% of homes in town.

Grade: B

Renewable Energy Generation

Orwell generates 1,172 MWh of energy each year, about 31% of the 2025 target.

Wind
2.5%

Solar
97.5%

Target:

Renewable Generation (MWh) 3,769

Take Action:
- Participate in a community solar project.
- Consider commercial and municipal properties for rooftop or ground mount solar
- Include anaerobic digestion in wastewater and manure management plans.

Contact ACRPC to learn more about opportunities.

Grade: C