



Northwest Regional Planning Commission

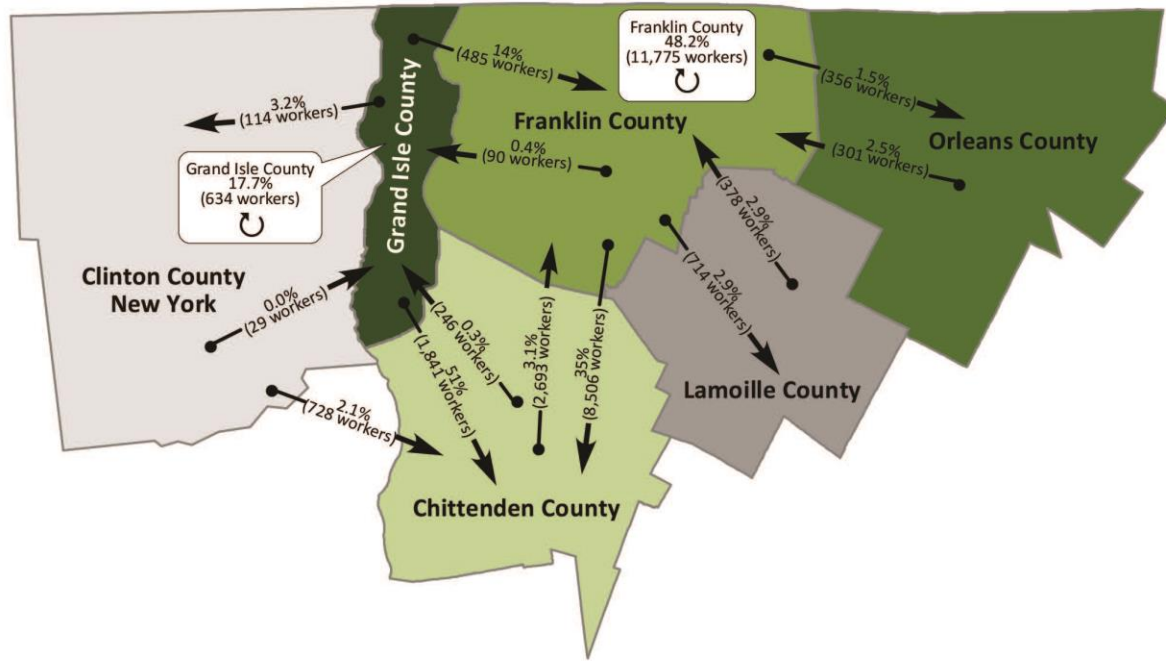
Regional Energy Plan

Regional Energy Plan - Appendix II in Regional Plan

- ▶ **Regional Energy Use**
 - ▶ Energy generation and consumption
- ▶ **Regional Energy Targets**
 - ▶ Worked with Vermont Energy Investment Corporation (VEIC)
 - ▶ Used LEAP to create targets for energy use and generation (2025, 2035, 2050)
- ▶ **Goals, Policies, and Implementation**
 - ▶ Generation Maps
- ▶ **Implementation Challenges**
- ▶ **Full Draft:**
 - ▶ www.nrpcvt.com

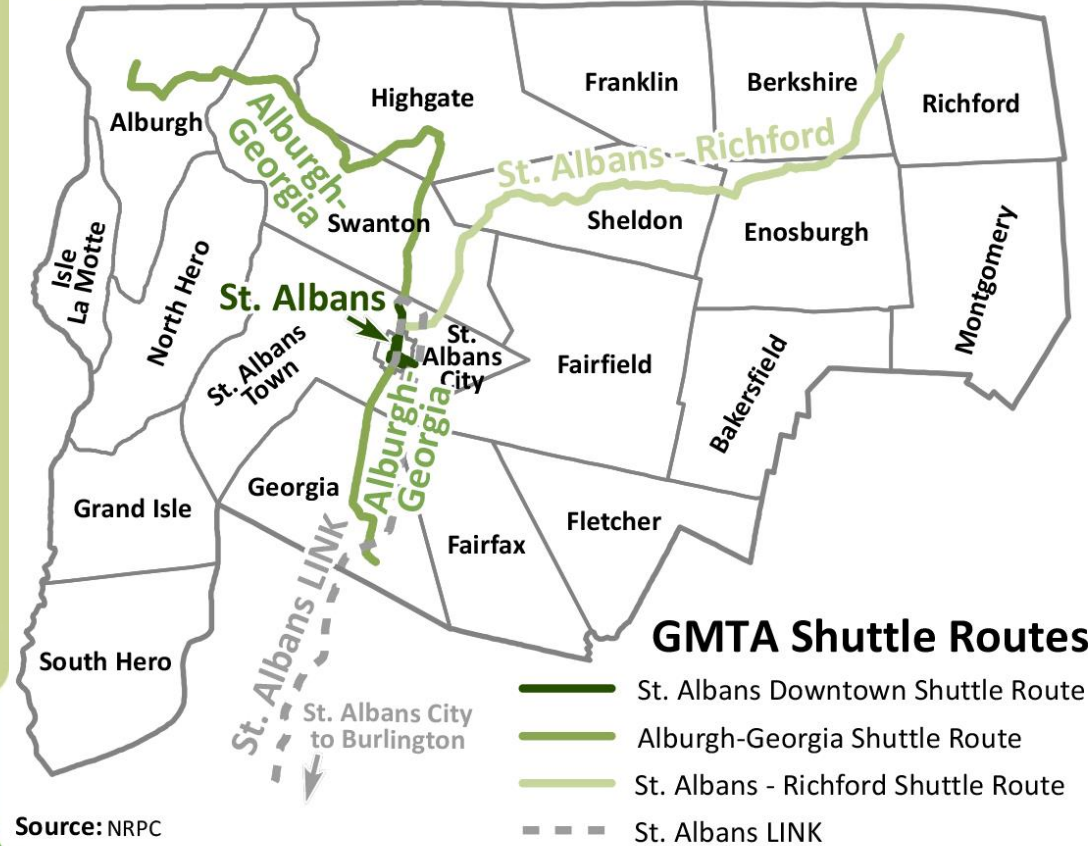
Regional Energy Use - Transportation

MAP 5: Northwest Region Workers



SOURCE: Longitudinal Employer-Household Dynamics (2019)

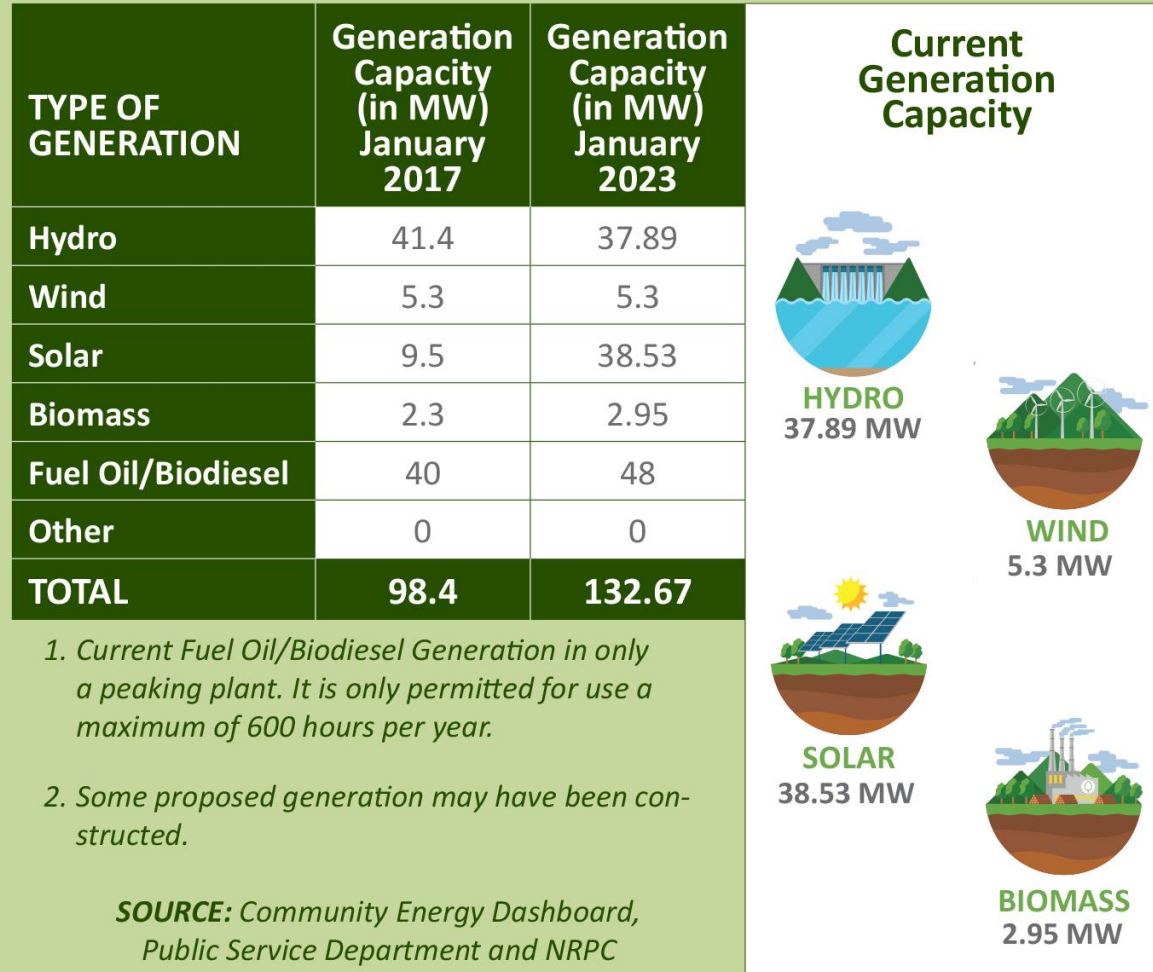
FIGURE 3.11 GMT SHUTTLE ROUTES



Source: NRPC

Regional Electricity Generation

FIGURE 4: Regional Generation Capacity



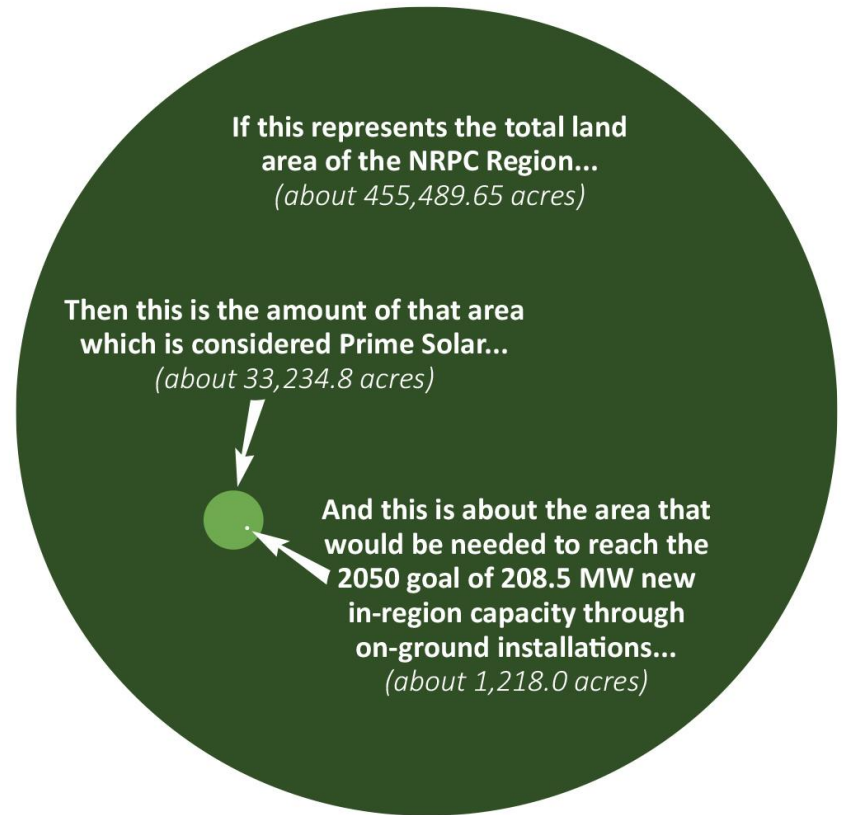
Regional Energy Targets

Regional Energy Targets - Use and Generation

FIGURE 4.10 GENERATION TARGETS

Year	New Wind (MW)	New Hydro (MW)	New Solar (MW)	Total New Generation (MWh)
2025	6.3	3.3	68.8	115,169.5
2035	12.5	6.6	137.6	230,338.9
2050	19.0	10.0	208.5	348,998.4

FIGURE 5.7 SOLAR POTENTIAL DIAGRAM



The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the page, framing the central text. The overall aesthetic is clean and modern.

Goals, Policies, and Implementation

Energy Element, Northwest Regional Plan

- ▶ 1. Ensure all residents have **equitable access** to the benefits and an equitable share of the burdens of the energy transition.
- ▶ 2. Use **demand-side management** to handle the expected doubling of electric energy demand in the Northwest region by 2050.
- ▶ 3. Reduce annual regional fossil fuel needs and **fuel costs for heating** structures and foster the transition from nonrenewable fuel sources to renewable fuel sources.
- ▶ 4. Hold **vehicle miles traveled per capita to 2011** levels through reducing the share of single-occupancy vehicle (SOV) commute trips, doubling the share of pedestrian and bicycle commute trips, increasing public transit ridership, and focusing regional development in or near existing growth centers and villages.
- ▶ 5. Significantly **increase region-based passenger rail trips** and double rail freight tonnage in the region by 2050.
- ▶ 6. Increase the share of **renewable energy in transportation** by increasing the use of renewable and less carbon-intensive fuels.
- ▶ 7. Increase the **renewable energy generation capacity** in the Northwest region with new solar, wind, and hydro generation capacity by 2050.