

Municipal Analysis & Targets - Grand Isle

The following is an explanation of the municipal energy data compiled by Northwest Regional Planning Commission (NRPC). The intent of the municipal energy data is to provide the municipalities with data required to ensure compliance with the requirements of Act 174 and “Enhanced Energy Planning” (24 V.S.A. 4352). The following tables contain data that estimates current energy use and provides targets for future energy use across all sectors (transportation, heating, and electricity). It also sets targets for renewable energy generation within the municipality.

This data is meant to be a starting point for the municipality to begin planning its energy future and to talk about the changes that may need to occur within the municipality to ensure that local, regional and state energy goals are met. This includes the State of Vermont’s goal to have 90% of all energy demand be met from renewable sources by 2050.

Figure 1 - Data Sources

| |
|--|
| ACS – American Community Survey |
| DOL – Vermont Department of Labor |
| DPS – Vermont Department of Public Service |
| EIA – Energy Information Administration |
| EVT – Efficiency Vermont |
| LEAP – Long-Range Energy Alternatives Planning |
| VEIC – Vermont Energy Investment Corporation |
| VTrans – Vermont Agency of Transportation |

Data Sources

Estimates of current energy use consist primarily of data available from the American Community Survey (ACS), the Vermont Agency of Transportation (VTrans), the Vermont Department of Labor (DOL), and the Vermont Department of Public Service (DPS). Targets for future energy use are reliant upon the Long-range Energy Alternatives Planning (LEAP) analysis for the region completed the Vermont Energy Investment Corporation (VEIC). Targets for future energy generation have come from the regional planning commission and DPS. For more information on LEAP, see the Northwest Regional Energy Plan (www.nrpcvt.com). Targets for both future energy use and energy generation have been generally developed using a “top down” method of disaggregating regional data to the municipal level.

It is possible to develop “bottom up” data. For those municipalities interested in that approach, please see the Department of Public Service’s Analysis and Targets Guidance (<http://publicservice.vermont.gov/content/act-174-recommendations-and-determination-standards>).

Please remember that the targets established by LEAP represent only one way to achieve energy goals. There may several other similar pathways that a municipality may choose to take in order to meet the 90x50 goal.

Below is a worksheet by worksheet explanation of the Municipal Template spreadsheet:

1. Municipal Data Summary

The following tables summarize all data that is required to be in a municipal plan if the plan is to meet the “determination” standards established by the Vermont Department of Public Service.

Table 1A: Current Municipal Transportation Energy Use

| Transportation Data | Municipal Data |
|--|----------------|
| Total # of Passenger Vehicles (ACS 2011-2015) | 1,939 |
| Average Miles per Vehicle (Vtrans) | 11,356 |
| Total Miles Traveled | 22,019,284 |
| Realized MPG (2013 - VTrans 2015 Energy Profile) | 18.6 |
| Total Gallons Use per Year | 1,183,832 |
| Transportation BTUs (Billion) | 143 |
| Average Cost per Gallon of Gasoline (RPC) | 2.31 |
| Gasoline Cost per Year | 2,734,653 |

This table uses data from the American Community Survey (ACS) and Vermont Agency of Transportation (VTrans) to calculate current transportation energy use and energy costs in the municipality.

Table 1B: Current Municipal Residential Heating Energy Use

| Fuel Source | Municipal Households (ACS 2011-2015) | % of Municipal Households | Municipal Square Footage Heated | Municipal BTU (in Billions) |
|-------------|--------------------------------------|---------------------------|---------------------------------|-----------------------------|
| Natural Gas | 30 | 3.3% | 42,336 | 3 |
| Propane | 265 | 28.7% | 453,872 | 27 |
| Electricity | 57 | 6.2% | 83,184 | 5 |
| Fuel Oil | 406 | 44.0% | 713,888 | 43 |
| Coal | 0 | 0.0% | 0 | 0 |
| Wood | 161 | 17.4% | 302,320 | 18 |
| Solar | 0 | 0.0% | 0 | 0 |
| Other | 4 | 0.4% | 7,616 | 0 |
| No Fuel | 0 | 0.0% | 0 | 0 |
| Total | 923 | 100.0% | 1,603,216 | 96 |

This table displays data from the ACS that estimates current municipal residential heating energy use.

Table 1C: Current Municipal Commercial Energy Use

| | Commercial Establishments in Municipality (VT DOL) | Estimated Thermal Energy BTUs per Commercial Establishment (in Billions) (VDPS) | Estimated Thermal Energy BTUs by Commercial Establishments in Municipality (in Billions) |
|---------------------------------|--|---|--|
| Municipal Commercial Energy Use | 49 | 0.725 | 36 |

The table uses data available from the Vermont Department of Labor (VT DOL) and the Vermont Department of Public Service (DPS) to estimate current municipal commercial establishment energy use in the municipality.

Table 1D: Current Electricity Use

| Use Sector | Current Electricity Use |
|---------------------------------|-------------------------|
| Residential (kWh) | 8,297,163 |
| Commercial and Industrial (kWh) | 12,572,089 |
| Total (kWh) | 20,869,251 |

This table displays current electricity use within the municipality. This data is available from Efficiency Vermont (EVT).

Table 1E: Residential Thermal Efficiency Targets

| | 2025 | 2035 | 2050 |
|---|------|------|------|
| "Residential - Increased Efficiency and Conservation (% of municipal households to be weatherized)" | 5% | 16% | 78% |

This table displays targets for thermal efficiency of residential structures. The data is based on a methodology developed by DPS using data available from the regional Long-range Energy Alternatives Planning (LEAP) analysis and ACS. The data in this table represents the percentage of municipal households that will need to be weatherized in the target years. The target is cumulative.

Table 1F: Commercial Thermal Efficiency Target

| | 2025 | 2035 | 2050 |
|---|------|------|------|
| "Commercial - Increased Efficiency and Conservation (% of commercial establishments to be weatherized)" | 25% | 25% | 73% |

This table shows the same information as Table 1E, but sets a target for commercial thermal efficiency and weatherization. Information from the VT DOL is required to complete this target. The target is cumulative.

**Table 1G: Thermal Fuel Switching
(Residential and Commercial) – Wood Systems**

| | 2025 | 2035 | 2050 |
|--|------|------|------|
| New Efficient Wood Heat Systems (in units) | 0 | 0 | 5 |

This table provides a target for new wood heating systems for residential and commercial structures in the municipality for each target year. This target was calculated using data from LEAP and ACS. The target is cumulative.

**Table 1H: Thermal Fuel Switching
(Residential and Commercial) – Heat Pumps**

| | 2025 | 2035 | 2050 |
|---------------------------|------|------|------|
| New Heat Pumps (in units) | 110 | 253 | 473 |

This table provides a target for new heat pump systems for residential and commercial structures in the municipality for each target year. This target was calculated using data from LEAP and ACS. The target is cumulative.

Table 1I: Electricity Efficiency Targets

| | 2025 | 2035 | 2050 |
|---|-------|-------|--------|
| Increase Efficiency and Conservation (BTUs) | 25.2% | 48.3% | 100.7% |

Data in this table displays a target for increased electricity efficiency and conservation during the target years. This target will be met through conversions to high efficiency appliances, electric heat pumps, and electric light-duty vehicles. These targets were developed using regional LEAP analysis. The target is cumulative.

Table 1J: Use of Renewables – Transportation

| | 2025 | 2035 | 2050 |
|--|------|-------|-------|
| Renewable Energy Use - Transportation (BTUs) | 9.5% | 31.2% | 90.2% |

This data displays targets for the percentage of transportation energy use coming from renewable sources during each target year. This target will be met through conversions to electric light-duty vehicles and biodiesel heavy-duty vehicles. This data was developed using the LEAP analysis. The target is cumulative.

Table 1K: Use of Renewables – Heating

| | 2025 | 2035 | 2050 |
|---------------------------------------|-------|-------|-------|
| Renewable Energy Use - Heating (BTUs) | 45.1% | 58.3% | 86.2% |

This data displays targets for the percentage of heating energy use coming from renewable sources during each target year. This target will be met through conversions to electric heat pumps and high efficiency wood heating systems. This data was developed using information from the LEAP analysis. The target is cumulative.

Table 1L: Use of Renewables – Electricity

| | 2025 | 2035 | 2050 |
|--|---------|---------|----------|
| Renewable Energy Use - Electricity (MWh) | 3,650.3 | 7,300.7 | 11,061.6 |

This data displays targets for MWh of electricity generation coming from renewable sources within the municipality during each target year. This data was developed using information from the regional planning commission and DPS. This data is the same as the data in Table 1Q. The target is cumulative.

Table 1M: Transportation Fuel Switching Targets – Electric Vehicles

| | 2025 | 2035 | 2050 |
|-------------------|------|-------|-------|
| Electric Vehicles | 170 | 1,270 | 3,022 |

This tables displays a target for switching from fossil fuel based vehicles (gasoline and diesel) to electric vehicles. This target is calculated using LEAP and ACS data. The target is cumulative.

Table 1N: Transportation Fuel Switching Targets – Biodiesel

| | 2025 | 2035 | 2050 |
|--------------------|------|------|-------|
| Biodiesel Vehicles | 295 | 588 | 1,132 |

This tables displays a target for switching from fossil fuel based vehicles to biodiesel-powered vehicles. This target is calculated using LEAP and ACS data. The target is cumulative.

Table 1O: Existing Renewable Generation

| Renewable Type | MW | MWh |
|----------------------------------|-------------|---------------|
| Solar | 0.27 | 331.13 |
| Wind | 0.13 | 403.18 |
| Hydro | 0.00 | 0.00 |
| Biomass | 0.00 | 0.00 |
| Other | 0.00 | 0.00 |
| Total Existing Generation | 0.40 | 734.31 |

Table 1O shows existing renewable generation in the municipality, in MW and MWh, based on information available from the Vermont Department of Public Service.

Table 1P: Renewable Generation Potential

| Renewable Type | MW | MWh |
|---|--------------|------------------|
| Rooftop Solar | 1 | 1,432 |
| Ground-mounted Solar | 477 | 584,588 |
| Wind | 1,330 | 4,077,473 |
| Hydro | 0 | 0 |
| Biomass and Methane | 0 | 0 |
| Other | 0 | 0 |
| Total Renewable Generation Potential | 1,808 | 4,663,494 |

Renewable generation potential is based on mapping completed by the regional planning commission that is based on the Municipal Determination Standards and associated guidance documents developed by DPS. The renewable generation potential is expressed in MW and MWh by the type of renewable resource (solar, wind, hydro, etc.).

Table 1Q: Renewable Generation Targets

| | 2025 | 2035 | 2050 |
|---|-----------------|-----------------|------------------|
| Total Renewable Generation Target (in MWh) | 3,650.33 | 7,300.66 | 11,061.61 |

This data displays targets for MWh of electricity generation coming from renewable sources within the municipality during each target year. This data was developed using information from the regional planning commission and DPS. This data is the same as the data in Table 1L.

Table 1R: Sufficient Land?

| | Y/N |
|-------|-----|
| Solar | Y |
| Wind | Y |

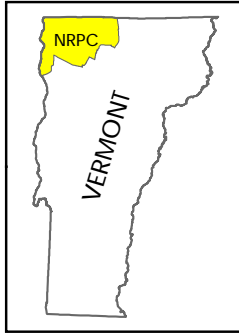
This table shows whether or not there is sufficient land in the municipality to meet the renewable generation targets based on the renewable generation potential in the municipality.

Utility Service Areas

Grand Isle, Vermont
Act 174

The Energy Development
Improvement Act of 2016

This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used as "siting maps."

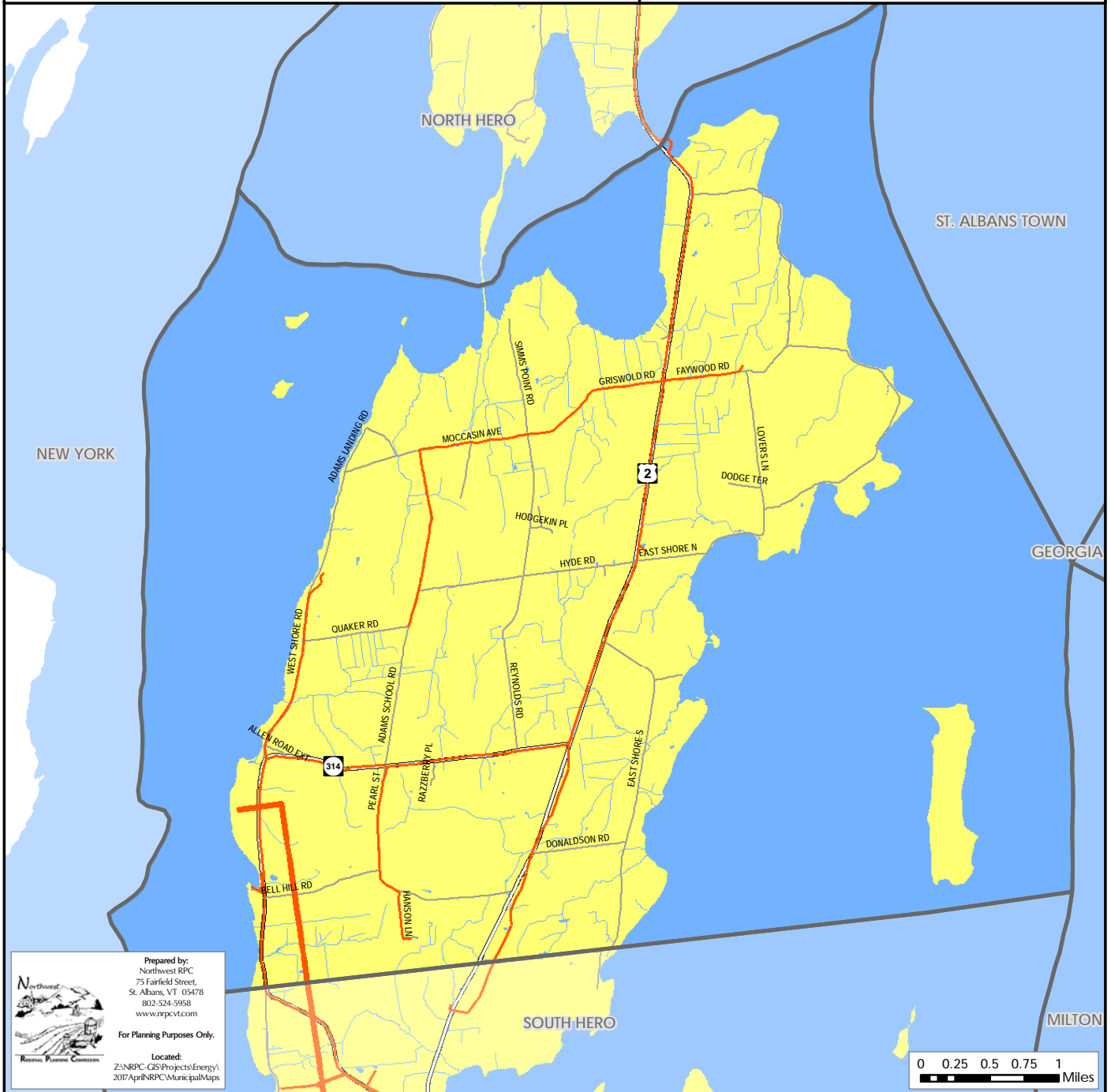


Legend

Utility Service Area Features

- Green Mountain Power
- Swanton Village Electric
- Vermont Electric Co-op
- Enosburg Falls Electric
- Substation
- 3 Phase Power Line
- Transmission Line

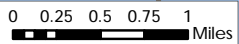
Sources: VCGI
Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-9958
www.nrpcvt.com

For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\NRPC\Municipal\Maps

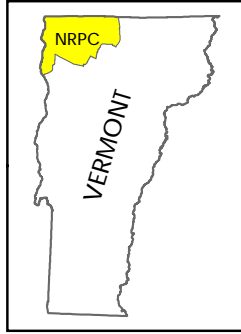


Transmission & 3 Phase Power Infrastructure

Grand Isle, Vermont
Act 174

The Energy Development Improvement Act of 2016

This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used as "siting maps."

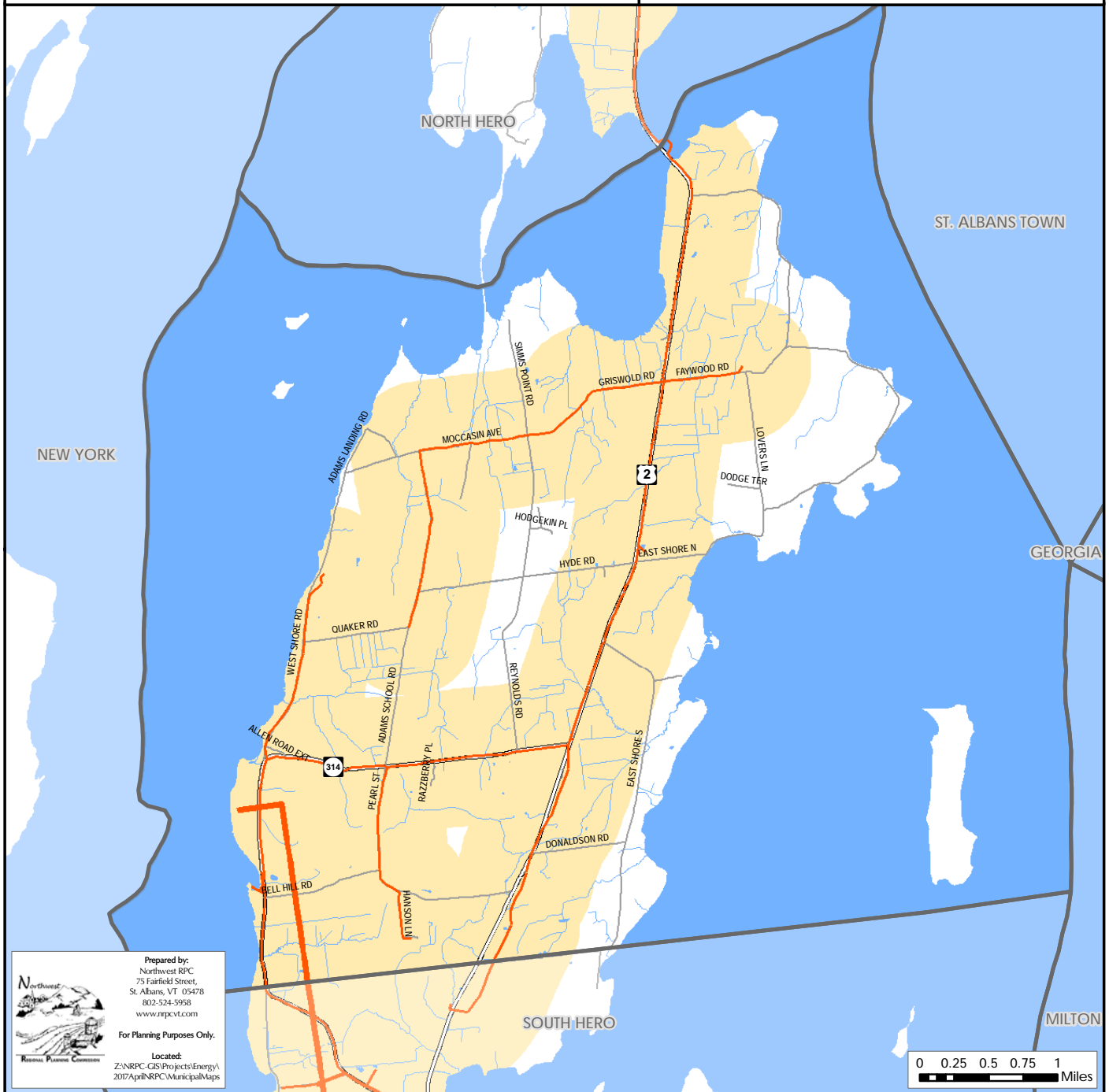


Legend

- Substation
- 3 Phase Power Line
- Transmission Line
- 1/2 Mile Buffer (3 Phase Power Line & Transmission Line)

Sources: VCGI

Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-5958
www.nrpcvt.com

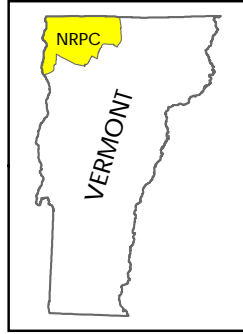
For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\NRPC\MunicipalMaps

Existing Generation Facilities

Grand Isle, Vermont
Act 174
The Energy Development Improvement Act of 2016

This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used as "siting maps."



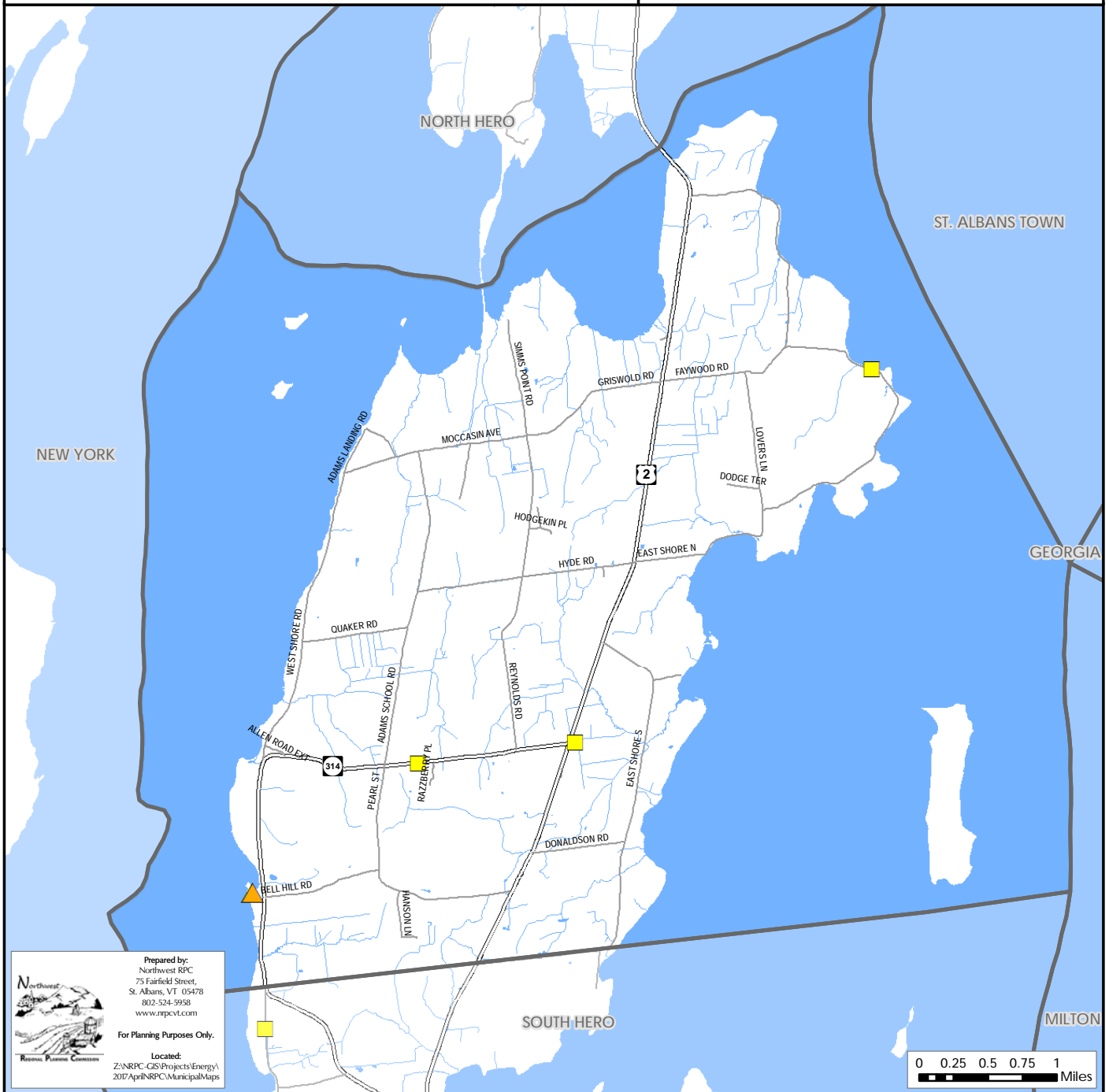
Legend

- ★ Biomass Facility
- Hydro Facility
- Solar Facility
- ▲ Wind Facility

Note: Only generators 15kW are shown on the map. A full list of all generators is available.

Sources: VCGI

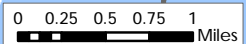
Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-9958
www.rpvcvt.com

For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\NRPC\Municipal\Maps



Hydro

Grand Isle, Vermont Act 174

The Energy Development Improvement Act of 2016

This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used as "siting maps."

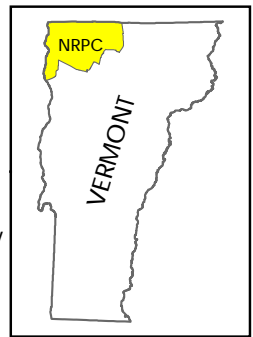


Legend

- Substation
- 3 Phase Power Line
- Transmission Line
- Designated Outstanding Resource Water
- Known Constraint - Designated National Wild & Scenic River
- Possible Constraint - Stressed or Impaired Water
- Possible Constraint - RINAs

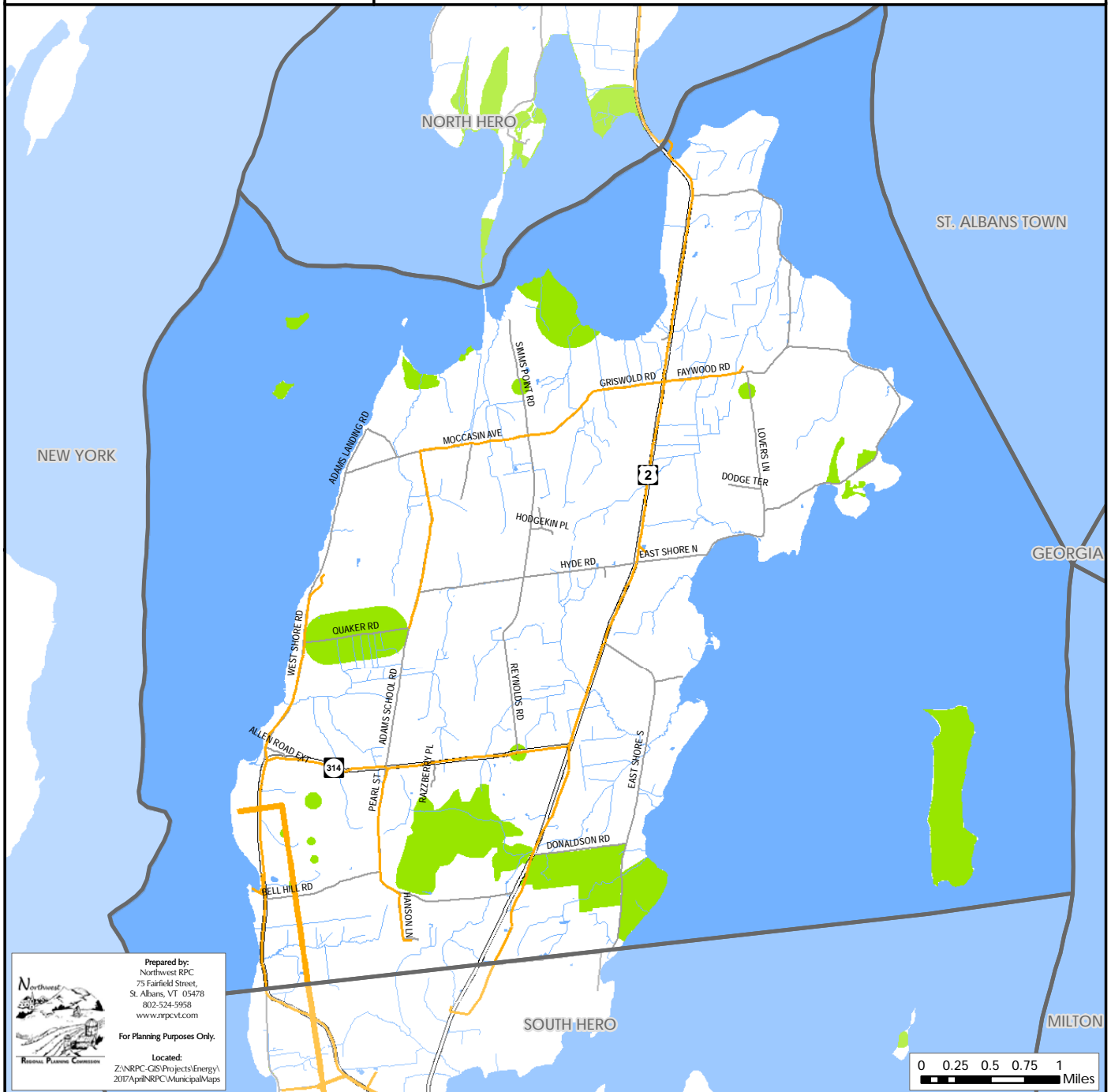
Potential Hydroelectric Facility

- < 50 kW Capacity
- > 50 kW Capacity
- High Hazard with < 50 kW Capacity
- High Hazard with > 50 kW Capacity
- Operating Hydroelectric Facility**
- Dam not on National Wild and Scenic River
- Dam on National Wild and Scenic River



Sources: VCGI

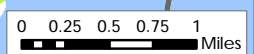
Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-5958
www.nrpcvt.com

For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\RPC\MunicipalMaps

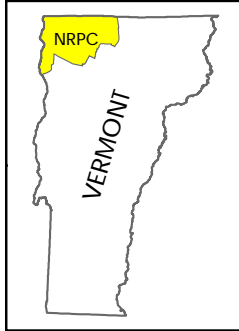


Solar

Grand Isle, Vermont Act 174

The Energy Development Improvement Act of 2016

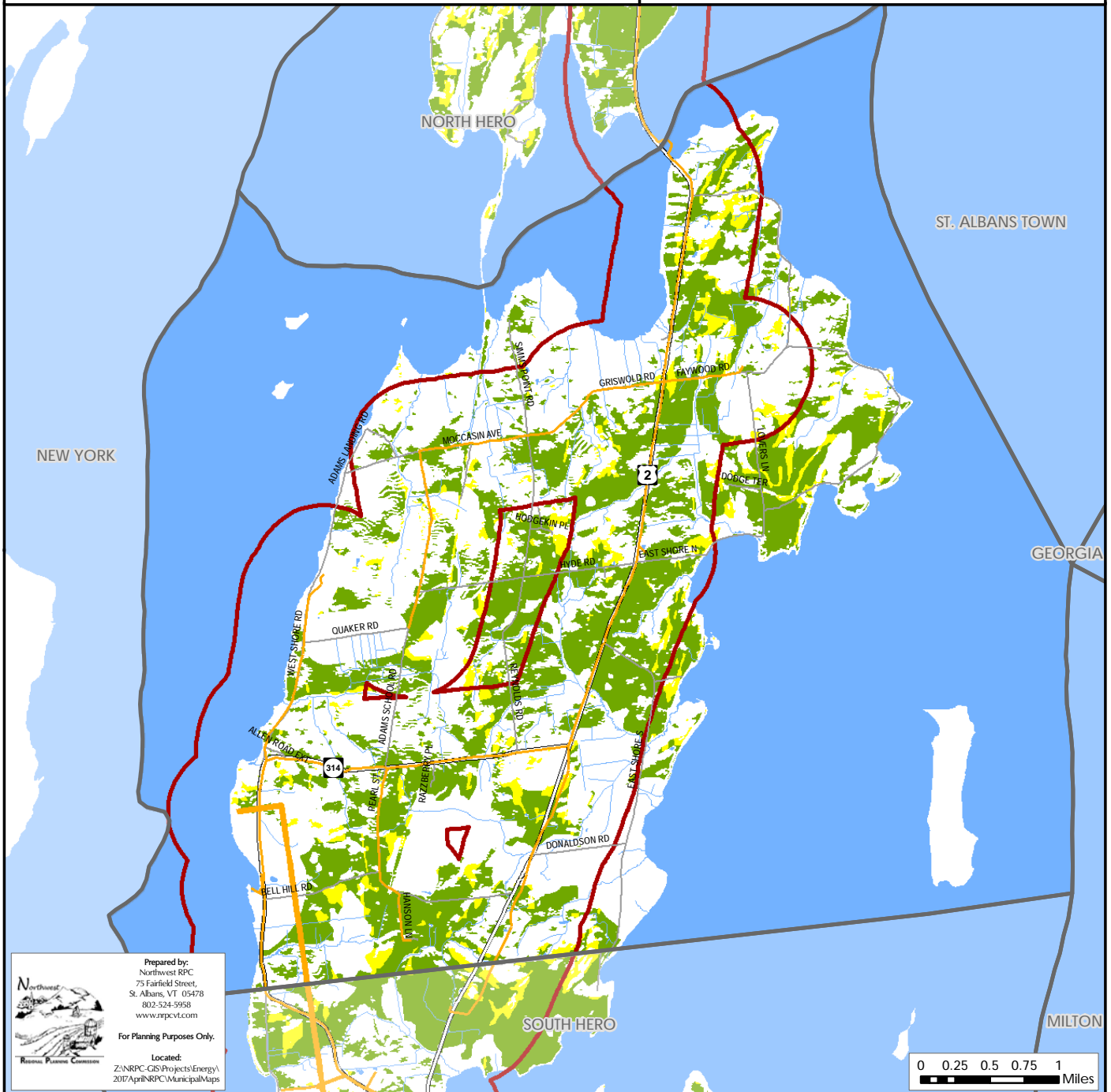
This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used as 'siting maps.'



Legend

- Substation
- 3 Phase Power Line
- Transmission Line
- 1/2 Mile Buffer (3 Phase Power Line & Transmission Line)
- Prime Solar/No Known Constraints
- Base Solar/Possible Constraints

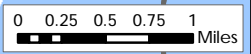
Sources: VCGI
 Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
 Northwest RPC
 75 Fairfield Street,
 St. Albans, VT 05478
 802-524-5958
 www.nrpcvt.com

For Planning Purposes Only.

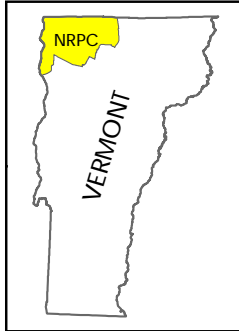
Located:
 Z:\NRPC-GIS\Projects\Energy\
 2017\April\NRPC\Municipal\Maps



Wind

Grand Isle, Vermont Act 174 The Energy Development Improvement Act of 2016

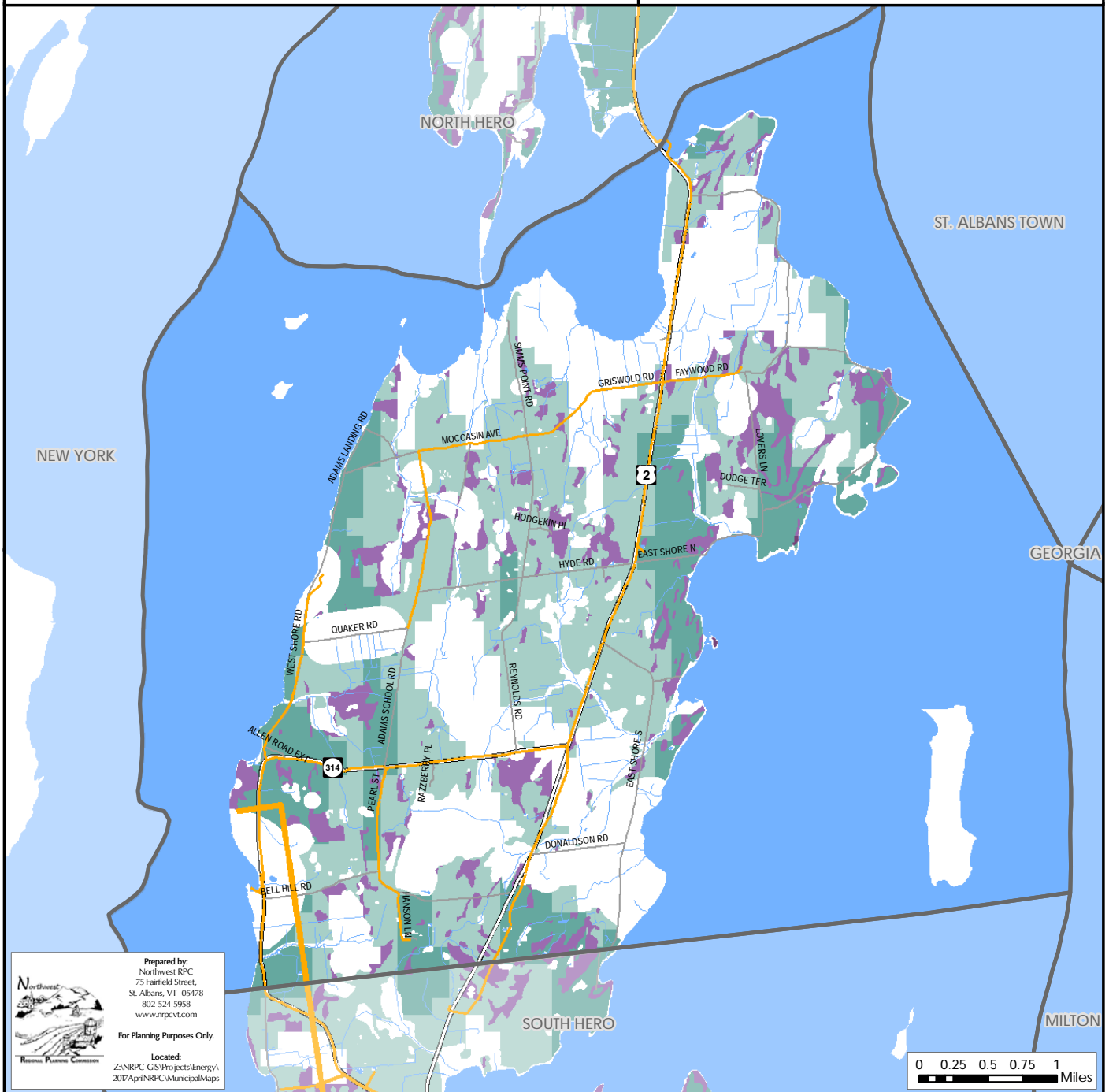
This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used of as "siting maps."



Legend

- Substation
- 3 Phase Power Line
- Transmission Line
- Prime Wind
Areas of high wind potential and no known constraints.
Darker areas have higher wind speeds.
- Base Wind
Areas of high wind potential and a presence of possible constraints.
Darker areas have higher wind speeds.

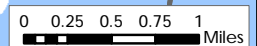
Sources: VCGI
Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-9958
www.nrpcvt.com

For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\RPC\Municipal\Maps

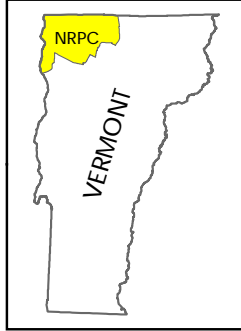


Woody Biomass

Grand Isle, Vermont
Act 174

The Energy Development
Improvement Act of 2016

This map and the corresponding data is intended to be used to inform energy planning efforts by municipalities and regions. This may also be used for conceptual planning or initial site identification by those interested in developing renewable energy infrastructure. The maps do NOT take the place of site-specific investigation for a proposed facility and cannot be used of as "siting maps."

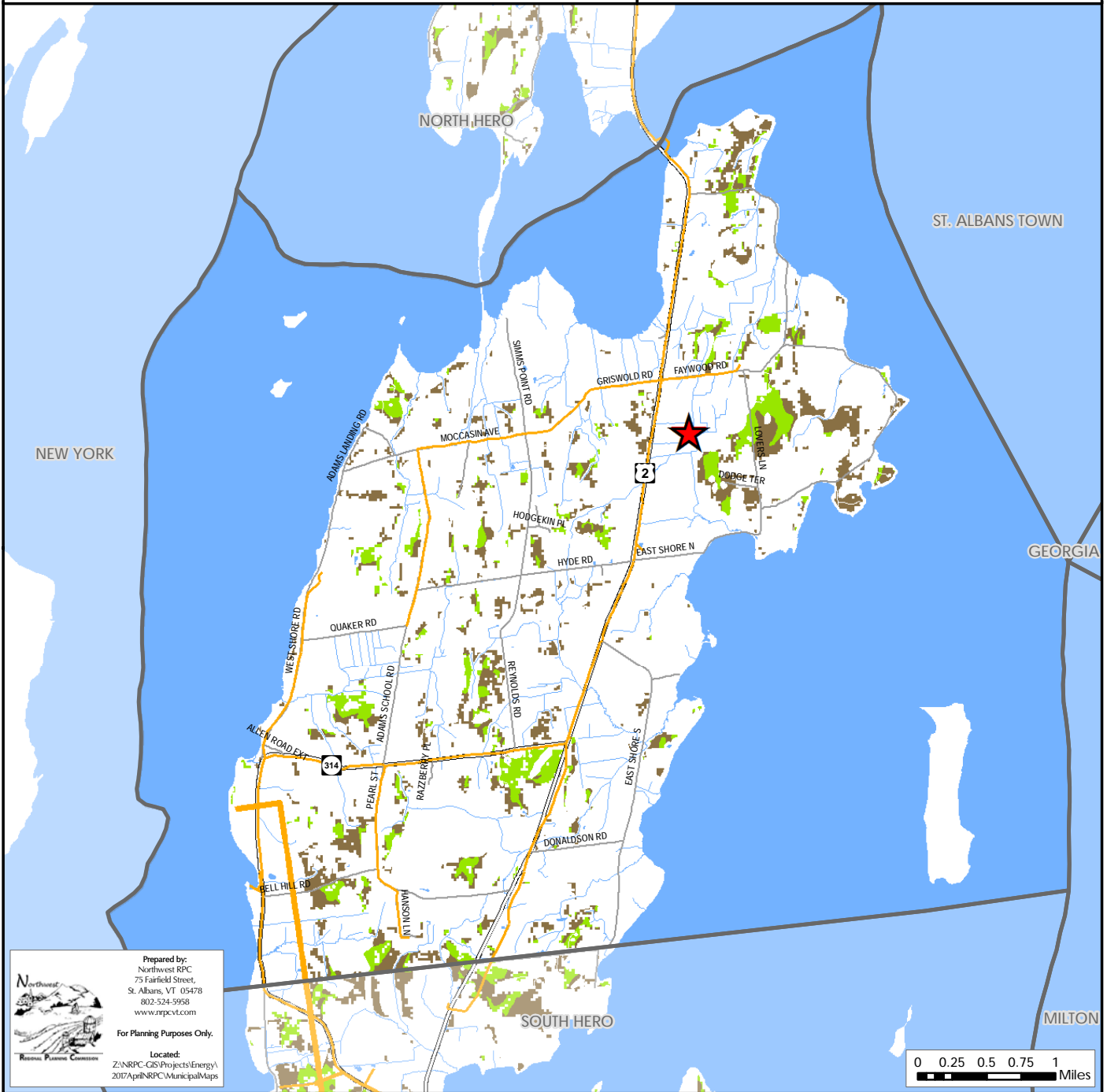


Legend

- Biomass System
- Cow Power
- Substation
- 3 Phase Power Line
- Transmission Line
- Prime Woody Biomass/No Known Constraints
- Base Woody Biomass/Possible Constraints

Sources: VCGI

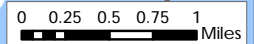
Disclaimer: The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Northwest RPC is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by a registered surveyor. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.



Prepared by:
Northwest RPC
75 Fairfield Street,
St. Albans, VT 05478
802-524-5958
www.nrpcvt.com

For Planning Purposes Only.

Located:
Z:\NRPC-GIS\Projects\Energy\
2017\April\NRPC\MunicipalMaps



All Generators in Municipality

| Category | Sub - Category | Organization Type | Address | City | CPG Number | Capacity kW |
|----------|-------------------------------|-------------------|----------------------|------------|------------|-------------|
| Solar | Ground-mounted PV: Fixed Rack | Residential | 1 Hoag Lane | Grand Isle | 4289 | 8.8 |
| Solar | Ground-mounted PV: Fixed Rack | Residential | 29 Faywood Rd | Grand Isle | 6615 | |
| Solar | Ground-mounted PV: Pole | Residential | 3 Canamak Dr | Grand Isle | 3720 | 6.8 |
| Solar | Ground-mounted PV: Tracker | Farm | 69 East Shore North | Grand Isle | | 4 |
| Solar | Hot Water | Residential | 10 Lightning Road | Grand Isle | | |
| Solar | Hot Water | Residential | 122 Reynolds Road | Grand Isle | | |
| Solar | Hot Water | Residential | 4 Maynard Court | Grand Isle | | |
| Solar | Hot Water | Residential | 69 East Shore North | Grand Isle | | |
| Solar | Roof-Mounted PV | Residential | 146 East Shore North | Grand Isle | 1896 | 17.9 |
| Solar | Roof-Mounted PV | Residential | 6 Old Town Ln | Grand Isle | 2582 | 5.5 |
| Solar | Roof-Mounted PV | Residential | 137 East Shore N | Grand Isle | 2100 | 6.1 |
| Solar | Roof-Mounted PV | Residential | 112 Pearl Street | Grand Isle | 1145 | 3.2 |
| Solar | Roof-Mounted PV | Residential | 30 Cooper Bay Lane | Grand Isle | 4263 | 11 |
| Solar | Roof-Mounted PV | Residential | 9 Dodge Terrace | Grand Isle | 5071 | 7.6 |
| Solar | Roof-Mounted PV | Residential | 12 Adams Landing Rd | Grand Isle | 2935 | 5 |
| Solar | Roof-Mounted PV | Residential | 10 Tebeau Terrace | Grand Isle | 2649 | 3.7 |
| Solar | Roof-Mounted PV | Residential | 283 East Shore North | Grand Isle | 696 | 2.4 |
| Solar | Roof-Mounted PV | Residential | 122 Reynolds Rd | Grand Isle | | 4.3 |
| Solar | Roof-Mounted PV | Business | 4 Island Cir | Grand Isle | 2343 | 47.2 |
| Solar | Roof-Mounted PV | Residential | 8 Cedar Point Rd | Grand Isle | 3014 | 6.2 |
| Solar | Roof-Mounted PV | Residential | 32 Lovers Lane | Grand Isle | 5410 | 7.2 |
| Solar | Roof-Mounted PV | Residential | 6 Canamak West | Grand Isle | 5367 | 7 |
| Solar | Roof-Mounted PV | Residential | 82 Adams School Rd | Grand Isle | 1511 | 7.8 |
| Solar | Roof-Mounted PV | Residential | 1 Island Meadow Lane | Grand Isle | 3876 | 7.2 |
| Solar | Roof-Mounted PV | Residential | 2 Mackenzie Lane | Grand Isle | 2936 | 6.8 |
| Solar | Roof-Mounted PV | Residential | 33 East Shore N | Grand Isle | 1856 | 6.8 |
| Solar | Roof-Mounted PV | Residential | 207 U.S. Route 2 | Grand Isle | 917 | 4.2 |

All Generators in Municipality

| Category | Sub - Category | Organization Type | Address | City | CPG Number | Capacity kW |
|----------|-----------------|-------------------|----------------------|------------|------------|-------------|
| Solar | Roof-Mounted PV | Residential | 9 Canamak W | Grand Isle | 2842 | 10.5 |
| Solar | Roof-Mounted PV | Residential | 39 Pearl St | Grand Isle | 2836 | 4 |
| Solar | Roof-Mounted PV | Residential | 6 Pond Road | Grand Isle | 7236 | 8.8 |
| Solar | Roof-Mounted PV | Residential | 37 Bell Hill Road | Grand Isle | 6793 | 6 |
| Solar | Roof-Mounted PV | Residential | 9 Bell Hill Rd | Grand Isle | 6700 | 4 |
| Solar | Roof-Mounted PV | Residential | 37 Moccasin Avenue | Grand Isle | 7292 | 3.8 |
| Solar | Roof-Mounted PV | Business | 79 Allen Road | Grand Isle | 7206 | 15 |
| Solar | Roof-Mounted PV | Residential | 258 West Shore Road | Grand Isle | 7244 | 8 |
| Solar | Roof-Mounted PV | Residential | 393 US Route 2 | Grand Isle | 6964 | 10 |
| Solar | Roof-Mounted PV | Residential | 8 Maynard Ct | Grand Isle | 3075 | 5.6 |
| Solar | Roof-Mounted PV | Residential | 15 Allen Pond Road | South Hero | 7257 | |
| Wind | Small Wind | Residential | 9 Dodge Terrace | Grand Isle | 1944 | 10 |
| Wind | Small Wind | Residential | 283 East Shore North | Grand Isle | 265 | 9.5 |
| Wind | Small Wind | Farm | 69 East Shore North | Grand Isle | 226 | 2.5 |
| Wind | Small Wind | Business | 1268 Gordons Landing | Grand Isle | 1221 | 100 |
| Wind | Small Wind | Institution | 54 West Shore Road | Grand Isle | 406 | 9.5 |