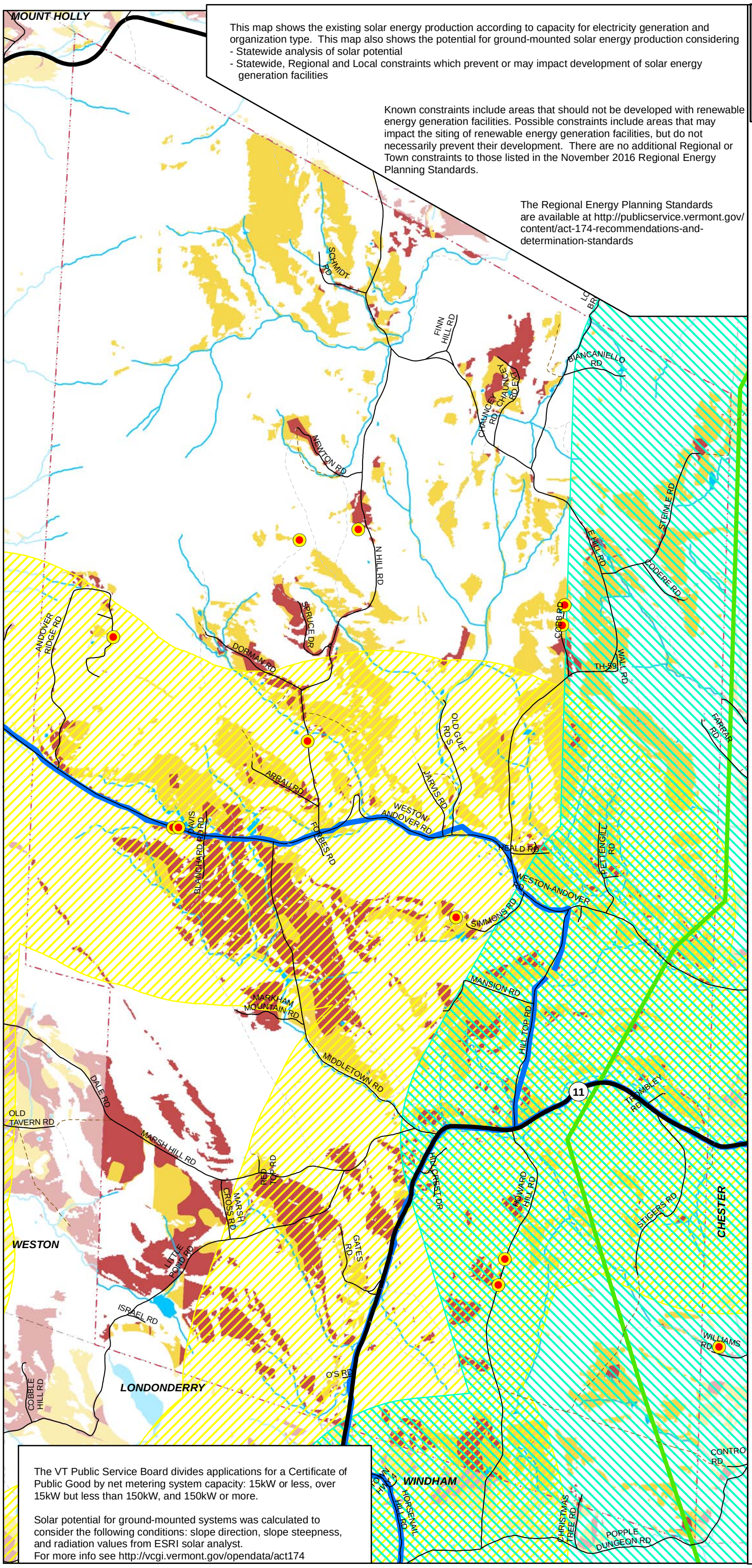
Solar Resources Map
Town Energy Plan 2017
Town of Andover, VT
Adopted: 9/10/2018

This map shows the existing solar energy production according to capacity for electricity generation and organization type. This map also shows the potential for ground-mounted solar energy production considering
- Statewide analysis of solar potential
- Statewide, Regional and Local constraints which prevent or may impact development of solar energy generation facilities

Known constraints include areas that should not be developed with renewable energy generation facilities. Possible constraints include areas that may impact the siting of renewable energy generation facilities, but do not necessarily prevent their development. There are no additional Regional or Town constraints to those listed in the November 2016 Regional Energy Planning Standards.

The Regional Energy Planning Standards are available at http://publicservice.vermont.gov/content/act-174-recommendations-and-determination-standards



The VT Public Service Board divides applications for a Certificate of Public Good by net metering system capacity: 15kW or less, over 15kW but less than 150kW, and 150kW or more.

Solar potential for ground-mounted systems was calculated to consider the following conditions: slope direction, slope steepness, and radiation values from ESRI solar analyst.
For more info see http://vcgi.vermont.gov/opendata/act174

Existing solar energy generation sites

- Business, Institution or Municipality with a capacity of 150kW or more
- Business, Institution or Municipality with a capacity of 15kW or less
- Business, Institution or Municipality with a capacity of 15.1kW - 150KW
- Residential, Capacity of 150kW or more
- Residential, Capacity of 15kW or less
- Residential, Capacity of over 15kW but less than 150kW
- Substation
- Electric Transmission Line
- Three Phase Electricity Distribution Lines
- River or Stream
- Within 1 mile of existing electricity transmission lines (SWCRPC 2016)
- Area within 1 mile of existing three phase electricity distribution lines
- Lake or Pond
- State Highway
- Class 2 and 3 Town Highway
- Class 4 Town Highway
- Forest Road, Legal Trail, or Private Road
- Town Boundary

Data sources: Solar Facilities (VT Energy Dashboard. Sites listed on Atlas on 02/03/2017), Prime and Secondary Solar Potential (VCGI 2017) (No additional Regional or Town Constraints), Substations (BCRC 2015 and SWCRPC 2016), Three Phase Electricity Lines (BCRC 2015) with buffers (SWCRPC 2017), Transmission Lines (RPC 2016) with buffers (SWCRPC 2016), Waterbodies (VHD 2008), Roads (VTrans 2016), Town Boundary (VCGI 2012).

VT State Plane, Meters, NAD 83

N

0 0.5 1 Miles

SWCRPC
SOUTHERN WINDSOR COUNTY REGIONAL PLANNING COMMISSION

P.O. Box 320, Ascutney, VT 05030
802-674-9201 www.swcrpc.org

For planning purposes only
Not for regulatory interpretation
Drawn August 30, 2017

Wind Resources Map
Town Energy Plan 2017
Town of Andover, VT
Adopted: 9/10/2018

This map shows the existing wind energy general sites and the potential for wind energy production considering
- Statewide analysis of wind potential
- Statewide, Regional and Local constraints which prevent or may impact development of wind energy generation facilities

Known constraints include areas that should not be developed with renewable energy generation facilities. Possible constraints include areas that may impact the siting of renewable energy generation facilities, but do not necessarily prevent their development. There are no additional Regional or Town constraints to those listed in the November 2016 Regional Energy Planning Standards.

The Regional Energy Planning Standards are available at http://publicservice.vermont.gov/content/act-174-recommendations-and-determination-standards

Prime Wind Potential
Areas identified with high wind potential and no known or possible constraints. Darker areas have higher wind speed.

Secondary Wind Potential
Areas identified with high wind potential and no known constraints. May have one or more possible constraints. Darker areas have higher wind speeds.

Prime Wind Potential
- 10.070000 - 10.94 mph
- 10.940001 - 12.10
- 12.100001 - 13.82
- 13.820001 - 16.46
- 16.460001 - 25.70

Secondary Wind Potential
- 10.070000 - 11.45 mph
- 11.450001 - 12.82
- 12.820001 - 14.32
- 14.320001 - 16.46
- 16.460001 - 25.70

- Commercial Wind Facility
- Residential Wind Facility
- Substation
- Electric Transmission Line
- Three Phase Electricity Distribution Lines
- River or Stream
- Lake or Pond
- State Highway
- Class 2 and 3 Town Highway
- Class 4 Town Highway
- Forest Road, Legal Trail, or Private Road
- Town Boundary

Potential wind speeds were calculated using the TrueWind Solutions MesoMap wind mapping system. For more info see www.vtenergyatlas-info.com/wind/methodology

There are currently no commercial wind facilities in the area.

Data sources: Wind Facilities (VT Energy Dashboard. Sites listed on Atlas on 02/03/2017), Prime and Secondary Wind Potential (VCGI 2017) (No additional Regional or Town Constraints), Substations (BCRC 2015 and SWCRPC 2016), Three Phase Electricity Lines (BCRC 2015), Transmission Lines (RPC 2016), Waterbodies (VHD 2008), Roads (VTrans 2016), Town Boundary (VCGI 2012).

VT State Plane, Meters, NAD 83

N

0 0.5 1 Miles

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