

**Solar Resources Map**  
**Town and Village of Ludlow**  
**Municipal Development Plan**  
**Adopted by Town: 10/7/2019**  
**Adopted by Village: 10/8/2019**

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. In addition to constraints listed in the November 2016 Regional Energy Planning Standards, SWCRPC has included no regional constraints and the Town and Village have included the following constraints:

- Known - State-designated Village Center and Zoning Preservation District
- Possible - Zoning Ridgeline Protection Overlay District

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
- 150kW or more

Solar potential for ground-mounted systems was calculated to consider the following conditions:

- slope direction
- slope steepness
- 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
  - Prime solar resource
  - Secondary solar resource
  - Substation
  - Electric Transmission Line
  - Three Phase Electricity Distribution Lines
  - River/ Stream
  - Lakes/ Ponds
  - Scenic Route 100 Byway
  - State Highway
  - Class 1 Town Highway
  - Class 2 and 3 Town Highway
  - Class 4 Town Highway
  - Forest Road, Legal Trail, or Private Road
  - Railroad
  - Town and Village Boundary

Data sources: Ridgeline Overlay from Zoning (Effective 12/28/15), Solar Facilities (VT Energy Dashboard, Sites listed on Atlas on 02/03/2017), Prime and Secondary Solar Potential (VCGI 2017 and SWCRPC 2017, Substations (BCRC 2015 and SWCRPC 2017), Three Phase Electricity Lines (BCRC 2015 and Town/ RPC 2017), Transmission Lines (SWCRPC 2016), Waterbodies (VHD 2008), Roads (VTrans 2016), Town and Village Boundary (CA 2014), Scenic Route 100 Byway (VTrans 2016).

VT State Plane. Meters, NAD 83  
 Map drawn January 3, 2018

