EPA Tracked Sites in New Mexico with Photovoltaic (PV) Policy Driven and Utility Scale PV Solar Energy Generation Potential

Solar Resource

kWh/m2/day	Resource Potential
< 3.5	Moderate
> 3.5 - 4	
> 4 - 5	Good
> 5 - 6	Very Good
> 6	Excellent

EPA Tracked Sites

- **Abandoned Mine Land**
- **Brownfield**
- **RCRA**
- **Federal Superfund**
- **Non-Federal Superfund**
- **Landfill**

PV Type

★ **PV Policy Driven and Utility Scale PV**

Site Characteristics

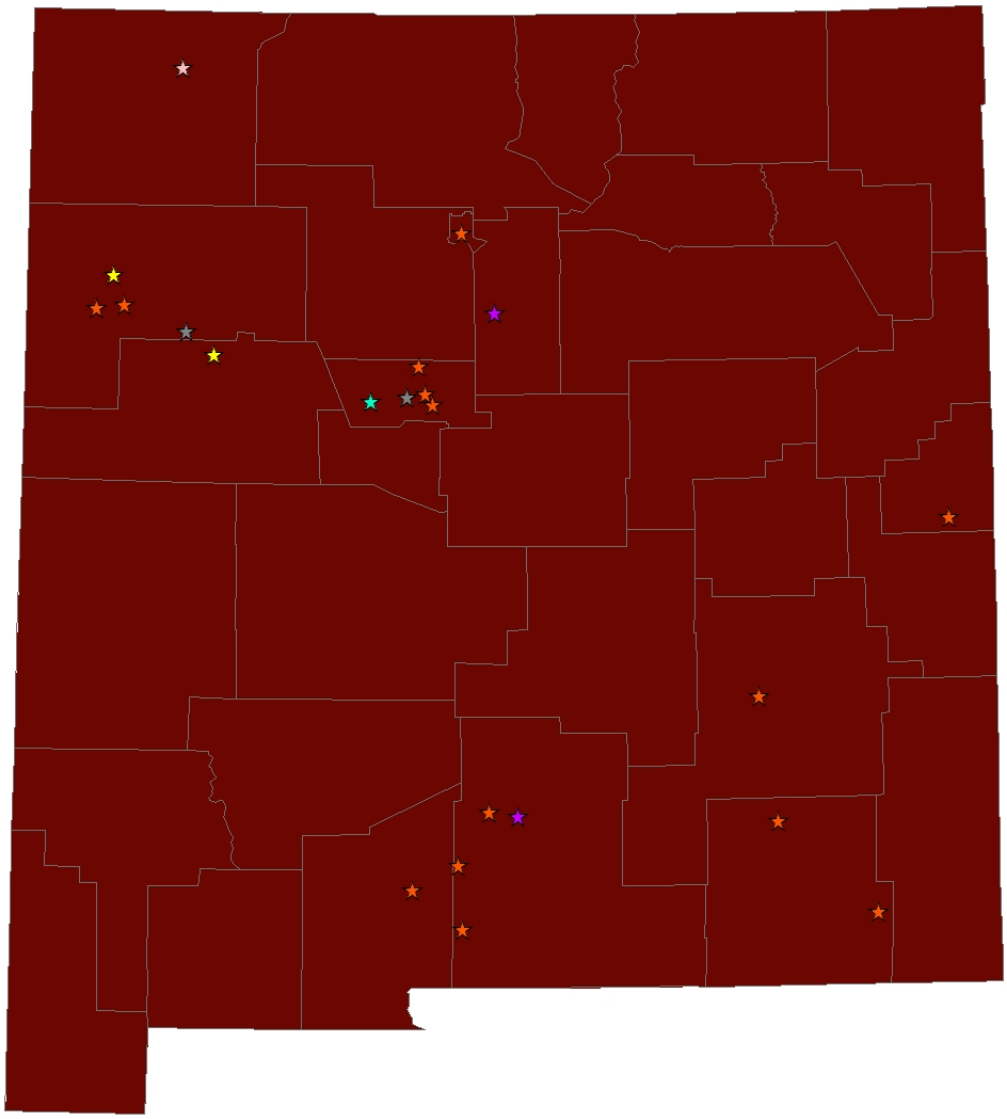
Resource availability:

- PV policy driven: State has a RPS that promotes solar development; no sites are excluded based on resource availability
- Utility scale PV: Direct normal solar resource availability equal to or greater than 5 kWh/m^2/day

Distance to transmission lines of 10 miles or less
Property size of 40 acres or more
Distance to graded roads of 25 miles or less

Number of sites

40 to 100 acres:	5 sites
100 to 200 acres:	0 sites
Greater than 200 acres:	17 sites
Total:	22 sites; 3,237,510 acres



Quick Facts on State Solar Energy Policy as of December 2009

A state renewable portfolio standard (RPS) that includes a solar set-aside requires a percentage of the state's electricity be generated from solar resources. An RPS can also include a solar multiplier that gives additional credit in meeting the RPS for solar projects or require an increase in distributed generation (i.e., electricity generation close to the point of use), which can spur solar development. Policy driven demand for electricity generated from solar resources may increase the viability of PV solar generation at a site that would otherwise not be considered viable based on solar resource availability.

RPS Requirement	20% by 2020 (IOUs); 10% by 2020 (co-ops)
Solar Set-Aside Requirement	4% by 2020 (est. 420 MW by 2025)
Solar Multiplier	N/A
Distributed Generation Requirement	0.6% by 2020
Installed PV Solar Capacity (2008)	1 MW
Average Solar Renewable Energy Credit (1 MWh)	Not readily available
Average Electricity Tariff for 2007 (1 kWh)	$0.0744

To partially meet its RPS requirement, NM can purchase solar renewable energy credits from entire states or a portion of states as shown in the map below.

New Mexico Entire State

This map was developed by SRA International for the U.S. Environmental Protection Agency (EPA) OSWER Center for Program Analysis. Results are based on site screening criteria adapted from National Renewable Energy Laboratory (NREL) criteria, GIS data provided by NREL and EPA and policy data provided by the Database of State Incentives for Renewables & Efficiency (DSIRE). This map and its associated data are intended to provide a general understanding of the renewable energy potential of EPA tracked sites; ***additional site-specific technical and economic analysis is required to determine the actual energy generation potential of these sites****. For further information, please see the accompanying Data Guidelines document at www.epa.gov/renewableenergyland or contact cleanenergy@epa.gov.*

EPA

U.S. EPA OSWER
CENTER FOR PROGRAM ANALYSIS