



Renewable Energy Assessment of Bureau of Reclamation Land and Facilities Using Geographic Information Systems

D. Heimiller, S. Haase, and J. Melius



Produced under direction of Bureau of Reclamation by the National Renewable Energy Laboratory (NREL) under Interagency Agreement IAG-11-1816 and Task No WFJ2.1000.

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency & Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

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Acknowledgments

The National Renewable Energy Laboratory (NREL) thanks the Bureau of Reclamation for funding this work. In particular, NREL is grateful to Dr. Curt Brown, Miguel Rocha, and Erin Foraker for their leadership and assistance with the overall work.

Additional thanks to:

- Mitch Haws, Aaron Adam Ricks, and Don Reiff for their initial GIS analysis of the Central Arizona Project, and to Mitch Haws, Don Reiff, Mike Pryor, and David Trimm for hosting the NREL team during the site visit in August 2011
- Diana Weigmann for her insights into the U.S. Bureau of Reclamation's sustainability program and efforts to integrate renewable into existing facilities
- Bruce Whitesell for providing utility-scale U.S. Bureau of Reclamation data layers.

List of Abbreviations and Acronyms

BLM	U.S. Department of the Interior, Bureau of Land Management
CSP	concentrating solar power
DOE	U.S. Department of Energy
GIS	geographic information system
km	kilometer
km ²	square kilometer
kW	kilowatt
kWh	kilowatt-hours
m	meter
m ²	square meter
MW	megawatt
MWh	megawatt-hours
NREL	National Renewable Energy Laboratory
PV	photovoltaics
RE	renewable energy
Reclamation	U.S. Department of the Interior, Bureau of Reclamation
RPUID	real property unique identifier
TMY	typical meteorological year

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1 Introduction and Overview

This report summarizes the results of an assessment and analysis of renewable energy opportunities conducted for the U.S. Department of Interior, Bureau of Reclamation (Reclamation) by the National Renewable Energy Laboratory (NREL). The work was conducted under interagency agreement number IAG-11-1816, entitled Technical Assistance for the Bureau of Reclamation’s Non-Hydroelectric Renewable Energy Program. This report represents the results of Tasks 1.1 of the effort (Resource Screening).

In particular, this report contains results from the following tasks and activities:

Task 1.1–Utility-Scale Analysis. Using Geographic Information System (GIS) technology, identify and rank Reclamation lands potentially suitable for wind and solar energy development.

Task 1.2–Facility-Scale Screening. Using GIS, identify Reclamation facilities that have the best potential for deployment of facility-scale wind and/or solar energy resources.

The remaining work conducted under the interagency agreement is described in the publication “Case Studies of Potential Facility-Scale and Utility-Scale Non-Hydro Renewable Energy Projects across Reclamation.”¹

1.1 Utility-Scale GIS Screening

NREL conducted a utility scale screening to broadly identify the renewable energy potential for Reclamation lands in the 17 western states. This analysis examined potential resource intensity for concentrating solar power (CSP), utility-scale solar photovoltaics (PV), and onshore wind. The full results of the screening are given in Appendix A, with summaries of the resource potential with and without exclusions to demonstrate the impact of the exclusion scenario utilized. Note the megawatt (MW) numbers show the potential installed capacity for a larger land area than just Reclamation lands, based on the area of interest defined by Reclamation. Additional site-specific analyses would be required to determine the suitability and potential of individual Reclamation land areas.

1.2 Facility-Scale GIS Screening

NREL undertook facility scale screening of selected locations. Reclamation selected 748 locations from its entries in the Federal Real Property Profile (its property database) and provided NREL with the real property unique identifier (RPUID), address (where available and not sensitive), city, state, and zip code. NREL then georeferenced this information to establish a specific coordinate to represent the location. The accuracy of that location is dependent on the level of specificity of the address. In many cases, multiple real property identifiers are associated with the same location (i.e., same property address used for multiple buildings at one site) due to the structure of the addressing and location information given. The sites were screened for the potential use of solar vent preheating, PV, and wind technologies.

¹ Haase, et al. *Case Studies of Potential Facility-Scale and Utility-Scale Non-Hydro Renewable Energy Projects across Reclamation*. (forthcoming) NREL/TP-7A30-57123. Golden, CO: National Renewable Energy Laboratory.

2 Background

The president's National Energy Policy of 2001 and Section 211 of the Energy Policy Act of 2005 (P.L. 109-58) encourage the development of renewable energy resources, including solar and wind energy, as part of an overall strategy to develop a diverse portfolio of domestic energy supplies for the future. The Department of the Interior and the Department of Energy (DOE) are signatories to a memorandum of understanding, promoting joint efforts to, among other things, "evaluate the use of nonhydropower renewable resources with water management operations."²

The Energy Policy Act of 2005 also requires federal agencies to reduce their internal energy use by 30% by 2015 and obtain 7.5% of their energy needs from renewable sources by 2013. Through Executive Order 13514 (EO 13514), President Obama established greenhouse gas reduction targets for federal agencies. Agencies submitted their draft inventory and plans to the DOE on Feb. 1, 2011.

It is a Department of the Interior priority goal to increase approved capacity for production of renewable (solar, wind, and geothermal) energy resources on Department of the Interior-managed lands to at least 10,000 MW by the end of 2012.

Reclamation, while primarily a water and hydropower management agency, holds lands that may be well suited to wind and/or solar power installations (typically, greater than 1 MW) insofar as these lands:

- Are in parts of the West receiving abundant solar radiation and wind
- Have good road access but restricted public access
- Are often adjacent to power plants, substations, pumps, transmission lines, or other components of the energy grid.

In addition, Reclamation has a number of facilities, such as visitor centers that may be suitable for deployment of renewable energy and energy efficiency technologies.

Reclamation is also developing rural water development projects that may be suitable for deployment of a variety of renewable energy technologies.

To this end, Reclamation and NREL entered into an interagency agreement in mid-2011 for Reclamation to obtain technical assistance from NREL. NREL is supporting Reclamation through four primary activities:

1. **Technical Assistance.** Provide Reclamation with assistance on renewable energy deployment activities, including resource screening, estimation of generation potential from wind and solar on Reclamation lands, integration of wind and solar into existing hydro generation, technology evaluation of advanced hydro technologies, and suitability

² *Memorandum of Understanding for Hydropower Among The Department of Energy, The Department of the Interior, and The Department of the Army.* March 24, 2010.
<http://www.usbr.gov/power/SignedHydropowerMOU.pdf>.

of renewable energy technologies for use at Reclamation facilities such as dams, buildings, pumps, and visitor centers

2. **Acquisition and Financing Strategies.** Develop strategies to assist Reclamation to understand the various options of deploying renewable energy technologies on Reclamation-owned lands or facilities; potential strategies include direct leasing of land or identifying interest in third-party financing of projects on Reclamation lands or facilities
3. **Technology Training.** Provide staff training on renewable energy technologies, including wind, hydro, solar, transmission, and other topics as may be requested by Reclamation.
4. **Program Management and Coordination.** Manage the work to be performed under the agreement; provide integrated technical and policy program support, and ensure coordination of Reclamation activities across the Department of the Interior and the DOE technology programs (e.g., Solar, Wind and Water Power, Federal Energy Management Program, Tribal, Geothermal).

This report is one of the deliverables under the technical assistance portion of the interagency agreement.

3 GIS Screening

The first section in this chapter describes how the screening was conducted. This is followed by a series of tables that list the Reclamation-owned land and facilities with the greatest renewable energy potential. For the utility-scale analysis, the rank ordering is based on the renewable energy resource and land area. For the facility-scale analysis, the rank ordering is based on the renewable energy resource at the site. A full listing of the results for the Reclamation land and facilities that were analyzed is given in the appendices.

3.1 Utility-Scale Screening

The utility-scale screening was conducted to broadly identify the renewable energy potential for Reclamation lands. Reclamation provided a generalized representation of its land interests in the 17 western states, depicting the survey sections that contained some Reclamation lands of interest. Individual sites were not specified. The analysis was subdivided into state and county-level tables to aid in reporting and ranking individual areas. This analysis is intended to provide general information on renewable energy resource intensity in different regions of interest to Reclamation, with the potential for more detailed analysis of specific areas of interest. State-level maps and overall tables are presented in full in Appendix A.

This analysis examined potential resource intensity for CSP, utility-scale solar PV, and onshore wind. NREL used resource exclusion scenarios developed for characterizing overall technical potential in its resource assessments and modeling. The exclusion scenarios are described in Appendix A. Other site-based characteristics (proximity to transmission lines and roads) were omitted because the specific locations of the Reclamation land interests were unknown.

3.1.1 Concentrating Solar Power

CSP is power generated from a utility-scale solar power facility in which the solar heat energy is collected in a central location. The resource potential estimates utilize annual average direct normal solar radiation produced by the State University of New York–Albany and NREL (Wilcox, 2007)³. The data are modeled at a 10 kilometer (km) horizontal resolution and are averaged over the period from 1998 to 2005. The resource areas have been filtered to identify only the areas that are more likely to be developed based on their resource intensity and general site characteristics. The minimum annual average resource value used is 6 kilowatt-hour (kWh)/square meter (m²)/day. The site exclusion criteria are detailed in Table A-1 in Appendix A. Site characteristics that are incompatible with utilization for solar power include steeply sloped areas, urban areas, and protected environmental areas.

A trough system, dry-cooled with 6 hours of storage and a solar multiple of 2.0, was used in NREL's System Advisor Model (<https://sam.nrel.gov>) to estimate generation capacity factor values within five solar resource ranges (Table A-2). An overall installation density of 32.8 MW/km² was also estimated for this configuration.

³ Wilcox, S. *Forecasting Solar Radiation—Preliminary Evaluation of an Approach Based upon the National Forecast Database*. NREL/TP-581-41364. Golden, CO: National Renewable Energy Laboratory, 2007. <http://www.sciencedirect.com/science/article/pii/S0038092X06002404>.

3.1.2 Utility-Scale Photovoltaics

Utility-scale PV is defined as large-scale PV deployed outside urban boundaries, as described by the U.S. Census Bureau's urbanized area boundaries data set (<http://www.census.gov/geo/www>). The data used to represent this resource is a single-axis tracking collector at a 0-degree tilt with a power density of 48 MW/km² (Denholm and Margolis 2008).⁴ The site characteristic exclusion criteria utilized are the same as described for CSP (Table A-1), and the minimum annual average resource value used is 6 kWh/m²/day. State-level annual capacity factors were generated using the National Solar Radiation Database Typical Meteorological Year 3 (TMY3) data set (Table A-3) and the System Advisor Model.

3.1.3 Onshore Wind

The onshore wind resource was calculated for wind at 80 meters (m) height above the ground, extrapolating from validated onshore wind power estimates at 50 m height. These data were compiled from several sources that have released their data to NREL for use in its modeling efforts. These sources include NREL's internal modeling (North Dakota, South Dakota, and portions of Texas), Alternative Energy Institute (Texas), and AWS Truepower with NREL (the remaining 14 states). The 50 m estimates were shifted to 80 m height by increasing the resource by ½ power class for those areas below 500 W/m² annual average wind power density. A resource threshold of class 3 or better was applied, and site characteristic exclusions were applied as detailed in Table A-4. In estimating generation from wind resource areas, capacity factors by class were utilized, representing estimates for typical utility-scale wind turbines within that resource profile (Table A-5). A power density of 5 MW/km² (DOE EERE 2008)⁵ was used, representing a turbine spacing of 10 x 10 rotor diameters.

3.2 Results

Appendix A includes summaries of the resource potential with and without exclusions to demonstrate the impact of the exclusion scenarios utilized. The top 20 counties for solar and wind (based on total potential installed capacity) are shown in Figure 3-1. Table 3-1, Table 3-2, and Table 3-3 list the top 20 counties for CSP, utility-scale PV, and onshore wind, respectively. NREL was not provided the actual Reclamation land area but rather the boundaries that were provided were public land survey sections (each section consisting of 640 acres/1 square mile) that contained some portion of Reclamation-owned lands. The exact amount of Reclamation-owned land within each section is unknown. Thus, the MW values shown represent the potential capacity within the land survey sections provided by Reclamation within a county, not just Reclamation lands. Therefore, the potential installed capacity estimates are slightly high, serving as an index of the relative potential in areas owned by Reclamation. Additional site-specific analyses would be required to determine the suitability and potential of actual Reclamation lands. As shown in the figure and tables, southern Arizona and southeast California show good promise for both CSP and PV. Western Nevada and southwest Wyoming also have promising parcels for CSP, while additional promising sites for PV are located in southern New Mexico. The

⁴ Denholm, P.; Margolis, R. M. *Impacts of Array Configuration on Land-Use Requirements for Large-Scale Photovoltaic Deployment in the United States*. NREL/CP-670-42971. Golden, CO: National Renewable Energy Laboratory, 2008. <http://www.nrel.gov/docs/fy08osti/42971.pdf>.

⁵ DOE EERE. *20% Wind Energy by 2030: Increasing Wind Energy's Contribution to U.S. Electricity Supply*. NREL/TP-500-41869. Golden, CO: National Renewable Energy Laboratory, July 2008.

Reclamation parcels with the greatest wind resource are generally located in the northern Rocky Mountains and northern plains (Wyoming, Montana, and North Dakota).

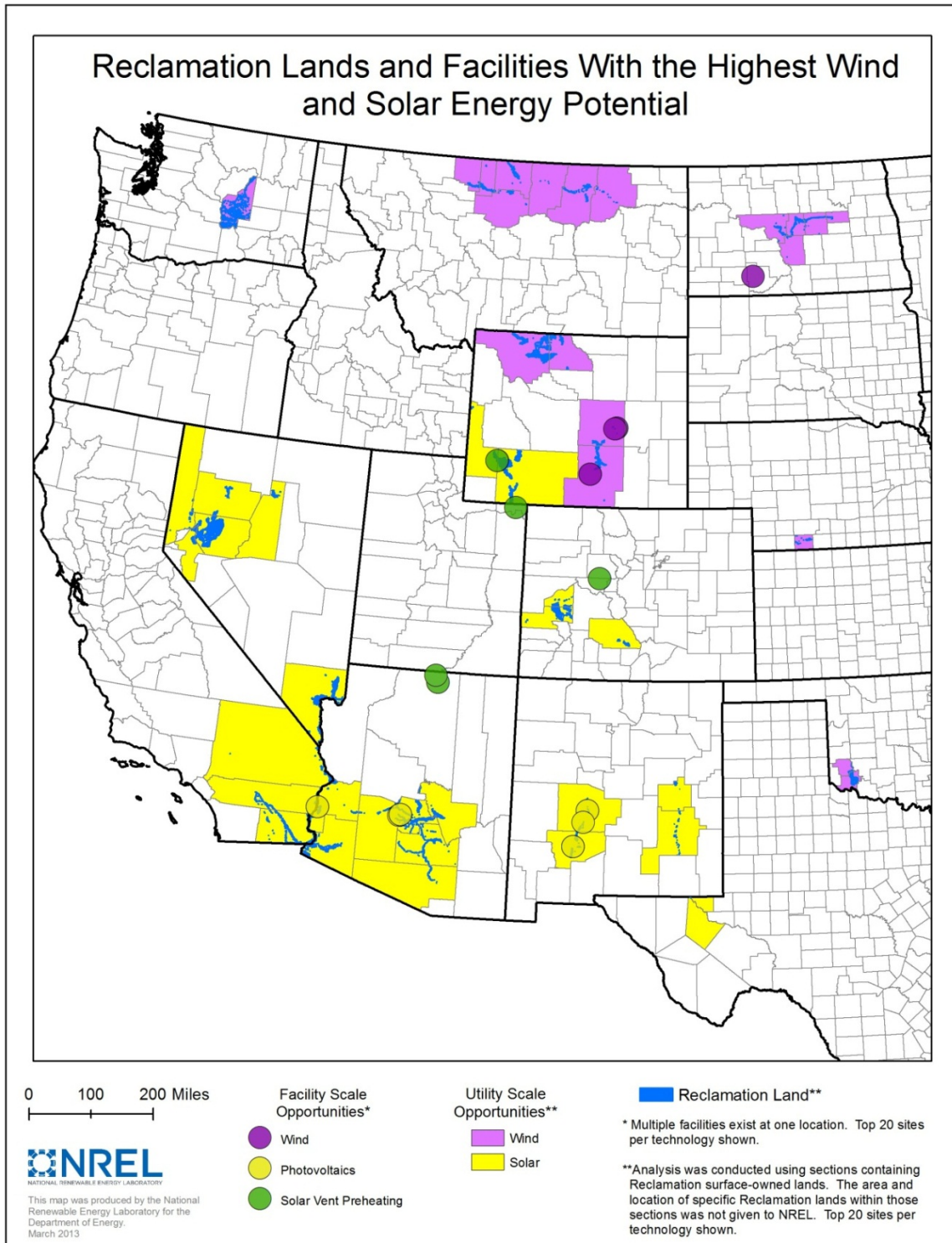


Figure 3-1. Summary of top 10 counties and top 20 facilities (by technology) for potential renewable energy deployment

Table 3-1. Top 20 Counties by CSP Potential Installed Capacity

CSP		
County	MW Rank	County-Level MW Potential for Reclamation Area of Interest
Churchill, NV	1	44,432
Lyon, NV	2	43,544
Pershing, NV	3	42,899
Imperial, CA	4	26,720
Yuma, AZ	5	22,688
La Paz, AZ	6	21,593
Maricopa, AZ	7	14,599
Pinal, AZ	8	11,856
Pima, AZ	9	8,125
Washoe, NV	10	7,434
Riverside, CA	11	5,934
Delta, CO	12	5,386
Montrose, CO	12	5,386
Eddy, NM	14	4,547
Loving, TX	14	4,547
Reeves, TX	14	4,547
Lander, NV	17	2,204
Lincoln, WY	18	1,926
Sweetwater, WY	18	1,926
San Bernardino, CA	20	1,605
Clark, NV	20	1,605

Table 3-2. Top 20 Counties by Utility-Scale PV Potential Installed Capacity

Utility-Scale PV		
County	MW Rank	County-Level MW Potential for Reclamation Area of Interest
Imperial, CA	1	38,990
Yuma, AZ	2	33,106
La Paz, AZ	3	31,508
Maricopa, AZ	4	21,303
Pinal, AZ	5	17,301
Pima, AZ	6	11,856
Churchill, NV	7	11,189
Riverside, CA	8	8,659
Eddy, NM	9	6,635
Loving, TX	9	6,635
Reeves, TX	9	6,635
San Bernardino, CA	12	2,341
Clark, NV	12	2,341

Utility-Scale PV		
County	MW Rank	County-Level MW Potential for Reclamation Area of Interest
Saguache, CO	14	1,891
Sierra, NM	15	1,733
Socorro, NM	15	1,733
De Baca, NM	17	1,519
Chaves, NM	18	1,389
Gila, AZ	19	1,294
Lyon, NV	20	1,002

Table 3-3. Top 20 Counties by Onshore Wind Potential Installed Capacity

Big Horn, WY	1	2,975
Park, WY	1	2,975
Hill, MT	3	1,370
Liberty, MT	4	1,336
Sheridan, ND	5	1,201
Carbon, WY	6	1,152
Natrona, WY	6	1,152
Chouteau, MT	8	1,023
Wells, ND	9	967
Greer, OK	10	922
Burleigh, ND	11	829
McLean, ND	11	829
Red Willow, NE	13	748
Phillips, MT	14	715
Valley, MT	15	694
Blaine, MT	16	671
Eddy, ND	17	663
Toole, MT	18	645
Jackson, OK	19	612
Grant, WA	20	571

3.3 Facility-Scale Screening

Facility-scale screening of selected locations has begun with the extraction of resource information from NREL databases. Reclamation selected 748 locations from its property database and provided NREL with the real property identifier, address (where available and not sensitive), city, state, and zip code. This information was georeferenced by NREL to establish specific coordinates to represent the locations, with the accuracy of that location dependent on the level of specificity of the address. In many cases, multiple real property identifiers are associated with the same location due to the structure of the addressing and location information

given. Results for all properties at the annual summary level are given in Appendix B. Table 3-4, Table 3-5, and Table 3-6 show some of these results for the properties with the highest annual average potentials for energy delivered utilizing solar vent preheating to preheat air coming into a facility and for PV solar resources. The top 20 locations (for each technology) are also shown in Figure 3-1.

As shown in the figure and tables, the facilities with the greatest PV resource are located in southern Arizona and New Mexico. The facilities with the greatest resource for solar vent preheating are in an area extending from northern New Mexico to southern Wyoming. The facilities with the greatest wind resource are located in the northern plains states (Wyoming and North Dakota).

Other data extracted from the database that are included in Appendix B are annual global horizontal solar resource, annual solar resource from an east-west oriented single-axis tracking collector, maximum solar resource from a fixed flat-plate system with tilt equal to latitude, and annual heating degree days and annual cooling degree days (both relative to 65 degrees).

These sites represent potential sites that can be further evaluated for deployment of facility-scale renewable energy systems.

Table 3-4. Reclamation Facilities with the Highest Potential Energy Delivered from Solar Vent Preheating

Real Property Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)
N0557000200B	Page	Arizona	844.0
N0557000400B	Page	Arizona	844.0
N0557000100B	Page	Arizona	844.0
N0557000500B	Page	Arizona	844.0
N0557000300B	Page	Arizona	844.0
N0382000100B	Meredith	Colorado	808.0
N0382000400B	Meredith	Colorado	808.0
N0154000300B	Kemmerer	Wyoming	805.0
N0154000400B	Kemmerer	Wyoming	805.0
N0154000200B	Kemmerer	Wyoming	805.0
N0154000500B	Kemmerer	Wyoming	805.0

Table 3-5. Reclamation Facilities with the Highest Annual Average Photovoltaic Resource from a Fixed Flat-Plate Collector with Tilt Equal to Latitude

Real Property Identifier	City	State	Tilt = Latitude Solar (Annual Average kWh/m²/day)
N0423000100B	Ehrenberg	Arizona	6.55
N0423000200B	Ehrenberg	Arizona	6.55
N0423000300B	Ehrenberg	Arizona	6.55
N0423000400B	Ehrenberg	Arizona	6.55
N0163202500B	Socorro	New Mexico	6.55
N0024000100B	Truth Or Consequences	New Mexico	6.54
N0024000200B	Truth Or Consequences	New Mexico	6.54
N0024000300B	Truth Or Consequences	New Mexico	6.54
N0024000400B	Truth Or Consequences	New Mexico	6.54
N0024000500B	Truth Or Consequences	New Mexico	6.54
N0024000600B	Truth Or Consequences	New Mexico	6.54

Table 3-6. Reclamation Facilities with the Highest Annual Average Wind Resource at 50 m Height Above Ground

Real Property Identifier	City	State	Annual Wind Power Density at 50 m height (W/m²)
N0144005000B	Mills	Wyoming	555
N0144005100B	Mills	Wyoming	555
N0467006400B	Mills	Wyoming	555
N1112000100B	Elgin	North Dakota	515
N1112000200B	Elgin	North Dakota	515
N0144000200B	Casper	Wyoming	477
N0144005600B	Casper	Wyoming	477
N0144001200B	Sinclair	Wyoming	476
N0144001300B	Sinclair	Wyoming	476
N0144001400B	Sinclair	Wyoming	476
N0144001700B	Sinclair	Wyoming	476

4 Conclusions and Next Steps

4.1 Conclusions

NREL conducted a GIS screening analysis for Reclamation-owned land and facilities in seventeen states to help identify the parcels and facilities with the greatest potential for utility scale and facility-scale renewable energy deployment. The facility-scale screening only considered the renewable energy resource; it did not account for other factors that may impact project feasibility, such as local electricity prices and available incentives. The utility level screening only considered the available resource intensity and the available land area. Other factors, such as the availability of transmission, regional electricity wholesale prices, and regional demand for renewable energy, were not considered.

For utility-scale solar projects, the most promising sites (in terms of resource) are located in the southwest, in the region stretching from California to Texas. For utility-scale wind projects, the most promising sites are generally in the plains states.

For facility-scale solar vent preheating, the sites with the greatest resource are located in Arizona, Colorado, and Wyoming. For facility-scale PV projects the facilities with with greatest potential resource are located in Arizona and New Mexico. For facility-scale wind projects, the facilities with the greatest wind resource are located in Wyoming and North Dakota.

4.2 Next Steps

This section briefly discusses the next steps that could be implemented should Reclamation decide to pursue a project on Reclamation lands.

4.2.1 *Utility-Scale GIS Screening*

As appropriate, NREL can work with Reclamation to improve the level of detail associated with the GIS screening. One possible next step is to replace the “land areas of interest” with the actual size and location of Reclamation-owned parcels. This will allow for more accurate estimates of the solar and wind energy potential of Reclamation-owned parcels. Follow-on analysis may also include consideration of regional wholesale electricity prices and regional demand for utility-scale RE facilities.

4.2.2 *Facility-Scale GIS Screening*

As appropriate, NREL can work with Reclamation to improve the level of detail associated with the facility-level GIS screening. A potential next step would be to redo the analysis, taking into consideration the cost of electricity at each facility, as well as potential incentives available at each location. In addition to the available renewable energy resource, the cost of electricity greatly impacts the economics of facility-scale renewable energy projects.

5 Appendices

Appendix A includes summaries of the resource potential with and without exclusions for CSP, utility-scale PV, and onshore wind, respectively. NREL was not provided the actual Reclamation land area but rather a list of sections that contain Reclamation land of interest. Reclamation-owned land may or may not encompass the whole section. The land boundary consists of these sections (approximately 1 square mile) that contain some Reclamation land of interest within them. Thus, the MW and MWh values shown represent the potential capacity within the land boundary provided by Reclamation within a county, not just Reclamation lands. Additional site-specific analyses would be required to determine the suitability and potential of actual Reclamation lands.

Appendix B provides summary-level renewable resource information for 748 Reclamation-owned properties. Data included in Appendix B are annual global horizontal solar resource, annual solar resource from an east-west oriented single-axis tracking collector, maximum solar resource from a fixed flat-plate system with tilt equal to latitude, and annual heating degree days and annual cooling degree days (both relative to 65 degrees). These sites represent potential sites that can be further evaluated for deployment of facility-scale renewable energy systems.

The appendices are organized as follows:

A. Utility-Scale Screening Analysis by State, Maps, and Tabular Results

Tables A-1–A-5. Exclusions and constraints, and capacity factors for PV, CSP, and wind utilized in the screening.

A1. Arizona

A2. California

A3. Colorado

A4. Idaho

A5. Kansas

A6. Montana

A7. Nebraska

A8. Nevada

A9. New Mexico

A10. North Dakota

A11. Oklahoma

A12. Oregon

A13. South Dakota

A14. Texas

A15. Utah

A16. Washington

A17. Wyoming

A18. Overall Bureau of Reclamation Tables

B. Facility-Level Data Extractions

B1. Solar Resource

B2. Solar Vent Preheat, Heating Degree Days, and Cooling Degree Days

B3. Wind Resource

A. Utility-Scale Screening Analysis by State, Maps, and Tabular Results

Table A-1. Exclusions and Constraints For Concentrating Solar Power and Utility-Scale Photovoltaics

Slope Exclusion	> 3%
Contiguous Area Exclusion	< 1 km ²
Land Type(s) Exclusion	Urban Areas MRLC 2001 ^a —Water MRLC 2001—Wetlands BLM ACEC Lands (Areas of Critical Environmental Concern) Forest Service IRA (Inventoried Roadless Area) National Park Service Lands Fish & Wildlife Lands Federal Parks Federal Wilderness Federal Wilderness Study Area Federal National Monument Federal National Battlefield Federal Recreation Area Federal National Conservation Area Federal Wildlife Refuge Federal Wildlife Area Federal Wild and Scenic Area

^a Multi-Resolution Land Characterization 2001 (MRLC). Water areas are defined as “All areas of open water, generally with less than 25 percent cover of vegetation or soil,” using seasonal images. Homer, C.; Huang, C.; Yang, L.; Wylie, B.; and Coan, M. “Development of a 2001 National Land-Cover Database for the United States.” *American Society for Photogrammetry and Remote Sensing* (70:7), July 2004; pp. 829-840. http://www.mrlc.gov/pdf/July_PERS.pdf.

Table A-2. Capacity Factors for Concentrating Solar Power

Class	Kwh/m²/day	Capacity Factor
1	5-6.25	0.315
2	6.25-7.25	0.393
3	7.25-7.5	0.428
4	7.5-7.75	0.434
5	> 7.75	0.448

Table A-3. Capacity Factors for Utility-Scale Photovoltaics

State	Capacity Factor	State	Capacity Factor
Arizona	0.263	North Dakota	0.203
California	0.252	Oklahoma	0.223
Colorado	0.259	Oregon	0.227
Idaho	0.220	South Dakota	0.214
Kansas	0.238	Texas	0.218
Montana	0.212	Utah	0.248
Nebraska	0.217	Washington	0.199
Nevada	0.263	Wyoming	0.229
New Mexico	0.263		

Table A-4. Exclusions and Constraints for Onshore Wind Power

Slope Exclusion	> 20%
Distance Exclusion	< 3 km distance to excluded area (does not apply to water)
Land Type(s) Exclusion	50% Forest Service Lands (includes National Grasslands, excludes ridge crests)
	50% Department of Defense Lands (excludes ridge crest)
	50% GAP Land Stewardship Class 2-Forest
	50% Exclusion of non-ridge crest forest (non-cumulative over Forest Service Land)
	Airports
	Urban Areas
	LULC-Wetlands
	LULC-Water
	Forest Service IRA (Inventoried Roadless Areas)
	National Park Service Lands
	Fish & Wildlife Lands
	Federal Parks
	Federal Wilderness
	Federal Wilderness Study Area
	Federal National Monument
	Federal National Battlefield
	Federal Recreation Area
	Federal National Conservation Area
	Federal Wildlife Refuge
	Federal Wildlife Area
	Federal Wild and Scenic Area
	GAP Land Stewardship Class 2-State and Private Lands Equivalent to Federal Exclusions

Table A-5. Capacity Factors for Onshore Wind Power

Class	W/m²	Capacity Factor
3	300-400	0.32
4	400-500	0.36
5	500-600	0.418
6	600-800	0.44
7	> 800	0.46

A1. Arizona

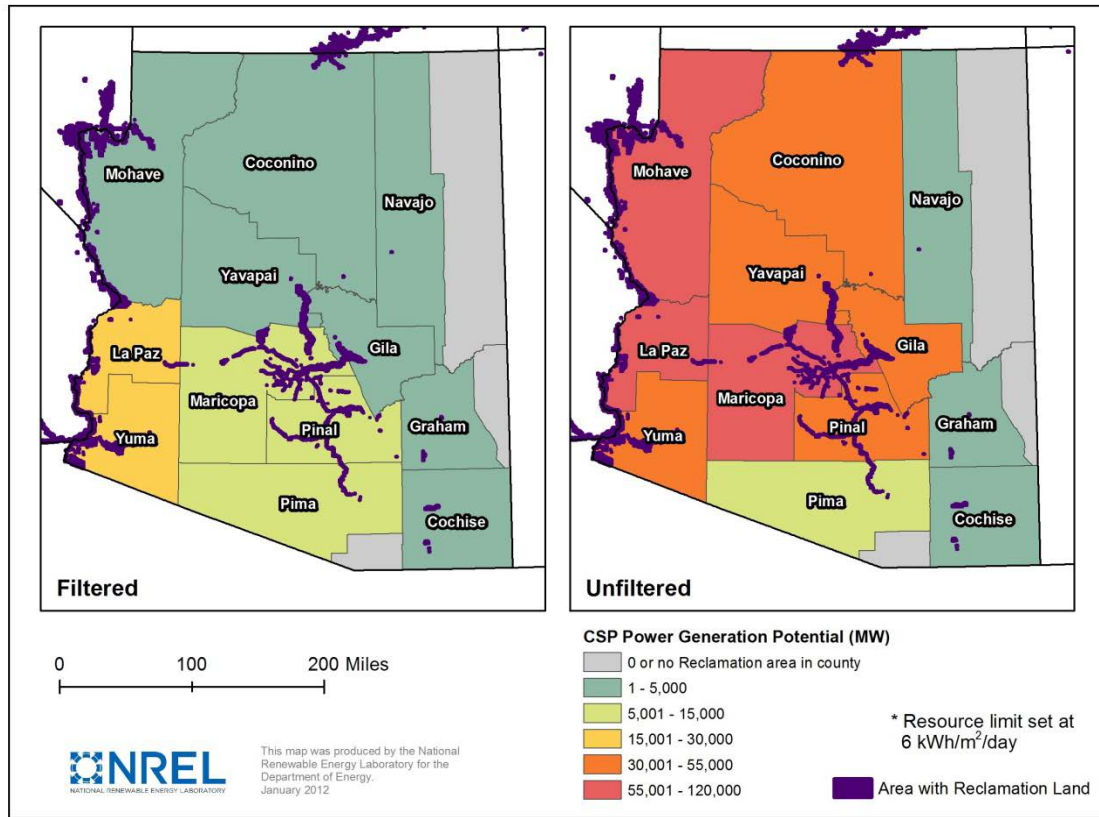


Figure A1-1. Arizona potential installed power from CSP

Table A1-1. Arizona Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered				CSP Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Cochise	1,592,361	35/63	454	37/63	5,299,127	54/83	1,515	56/83
Coconino	169,475	53/63	49	53/63	135,436,681	19/83	39,316	19/83
Gila	3,055,608	27/63	887	28/63	177,961,667	11/83	51,492	11/83
Graham	1,118,050	40/63	325	40/63	2,083,716	62/83	605	62/83
La Paz	76,778,374	6/63	21,593	6/63	407,782,311	1/83	115,464	1/83
Maricopa	51,757,506	7/63	14,599	7/63	218,788,712	9/83	62,613	9/83
Mohave	759,906	42/63	214	44/63	307,894,637	2/83	87,422	2/83
Navajo	117,631	56/63	34	56/63	154,480	71/83	45	71/83
Pima	28,119,025	9/63	8,125	9/63	44,978,388	21/83	13,015	22/83
Pinal	41,347,690	8/63	11,856	8/63	152,282,488	15/83	44,044	15/83
Yavapai	347,379	48/63	101	48/63	138,125,037	18/83	39,970	17/83
Yuma	79,343,838	5/63	22,688	5/63	172,591,640	12/83	48,602	12/83
Arizona Total	284,506,844	2/8	80,925	2/8	1,763,378,885	1/8	504,103	1/8

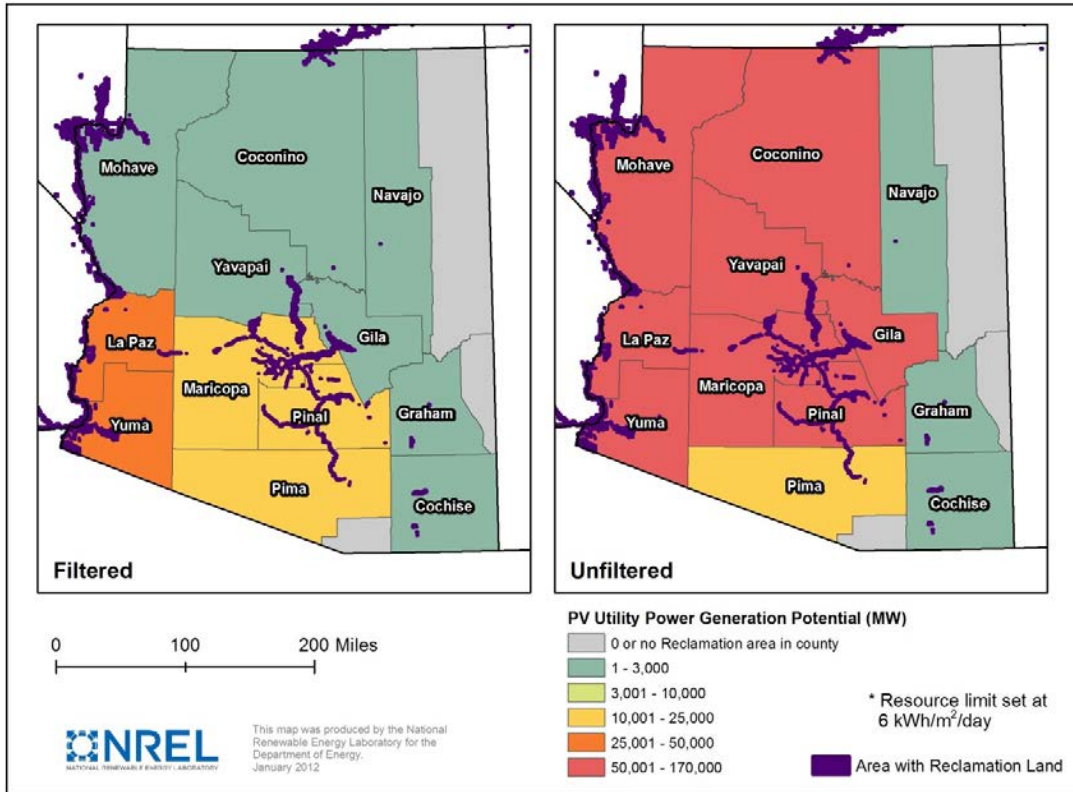


Figure A1-2. Arizona potential installed power from utility-scale PV

Table A1-2. Arizona Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered				PV Utility Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Cochise	1,527,094	25/42	662	25/42	5,096,195	34/52	2,210	36/52
Coconino	164,613	37/42	72	37/42	125,320,893	15/52	57,369	15/52
Gila	2,984,308	19/42	1,294	19/42	173,244,148	7/52	75,137	7/52
Graham	1,091,961	28/42	474	28/42	2,035,097	41/52	883	41/52
La Paz	70,681,358	3/42	31,508	3/42	383,046,144	1/52	168,483	1/52
Maricopa	49,118,571	4/42	21,303	4/42	210,659,601	5/52	91,364	5/52
Mohave	721,162	29/42	313	30/42	292,858,286	2/52	127,566	2/52
Navajo	114,886	39/42	50	39/42	150,875	45/52	65	45/52
Pima	27,335,903	6/42	11,856	6/42	43,788,206	16/52	18,991	16/52
Pinal	39,890,139	5/42	17,301	5/42	148,185,757	9/52	64,269	11/52
Yavapai	339,273	32/42	147	32/42	134,477,730	13/52	58,324	13/52
Yuma	74,637,371	2/42	33,106	2/42	160,303,337	8/52	70,919	8/52
Arizona Total	268,606,639	1/7	118,085	1/7	1,679,166,269	1/7	735,581	1/7

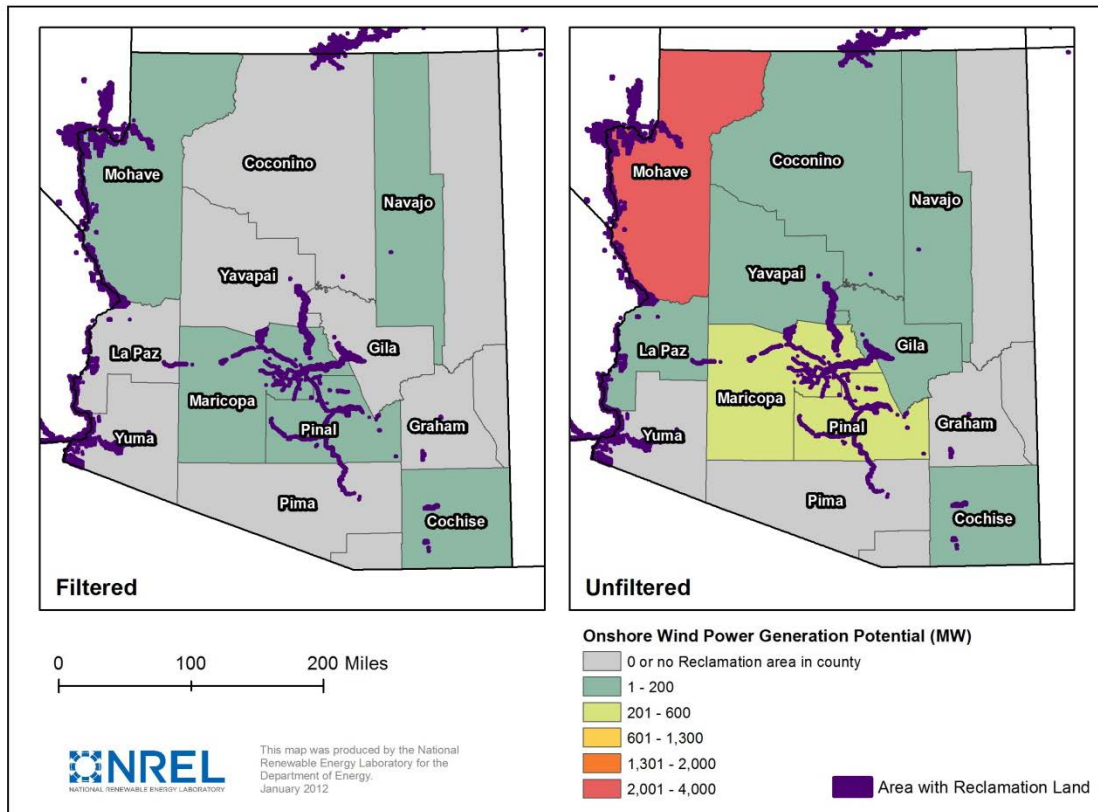


Figure A1-3. Arizona potential installed power from onshore wind

Table A1-3. Arizona Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Cochise	14,533	145/178	2	145/178	86,114	158/229	10	158/229
Coconino	0		0		18,692	185/229	2	185/229
Gila	0		0		19,874	184/229	2	184/229
Graham	0		0		0		0	
La Paz	0		0		96,483	155/229	11	155/229
Maricopa	25,885	138/178	3	138/178	3,691,234	53/229	421	53/229
Mohave	58,378	127/178	7	127/178	17,569,451	3/229	2,006	3/229
Navajo	58,436	126/178	7	126/178	58,436	165/229	7	165/229
Pima	0		0		0		0	
Pinal	635,419	87/178	73	87/178	3,691,234	53/229	421	53/229
Yavapai	0		0		62,400	164/229	7	164/229
Yuma	0		0		0		0	
Arizona Total	792,651	13/17	90	13/17	25,293,918	9/17	2,887	9/17

A2. California

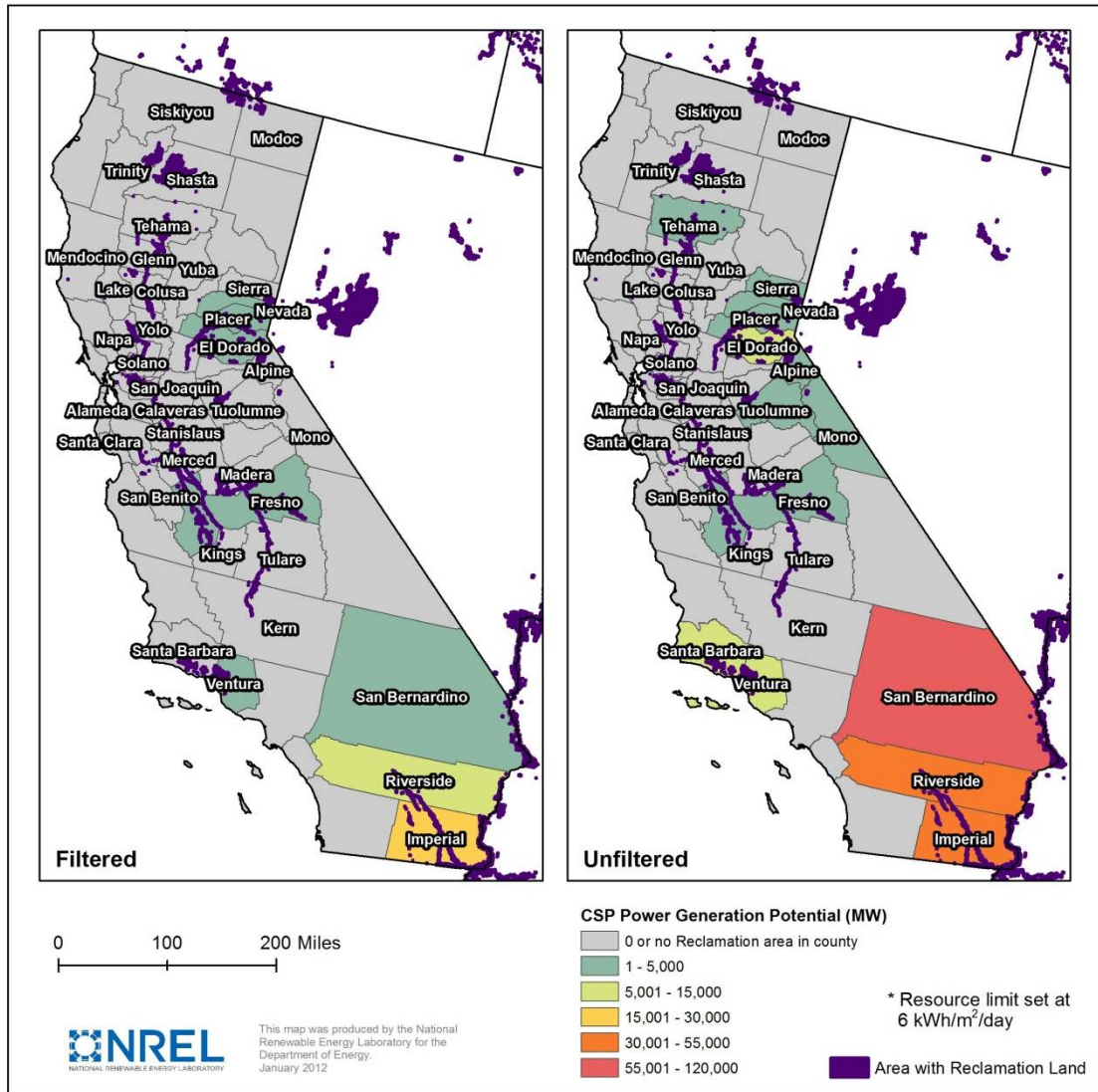


Figure A2-1. California potential installed power from CSP

Table A2-1. California Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		CSP Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Alameda	0		0		0		0	
Alpine	0		0		14,387,166	38/83	4,672	38/83
Amador	0		0		0		0	
Calaveras	0		0		0		0	
Colusa	0		0		0		0	
Contra Costa	0		0		0		0	

County	CSP Filtered				CSP Unfiltered			
	MWh/Yr		MW		MWh/Yr		MW	
	Value	Rank	Value	Rank	Value	Rank	Value	Rank
El Dorado	29,304	58/63	10	58/63	18,576,552	35/83	5,901	35/83
Fresno	870,092	41/63	315	41/63	12,576,733	41/83	3,779	39/83
Glenn	0		0		0		0	
Imperial	94,193,913	4/63	26,720	4/63	192,718,655	10/83	54,214	10/83
Kern	0		0		0		0	
Kings	0		0		0		0	
Lake	0		0		0		0	
Madera	0		0		0		0	
Mendocino	0		0		0		0	
Merced	0		0		0		0	
Modoc	0		0		0		0	
Mono	0		0		1,108,026	64/83	327	64/83
Napa	0		0		0		0	
Nevada	640,852	45/63	186	45/63	7,228,307	50/83	2,098	52/83
Placer	22,469	60/63	7	60/63	11,395,046	44/83	3,371	42/83
Riverside	21,678,787	11/63	5,934	11/63	140,849,883	17/83	39,350	18/83
Sacramento	0		0		0		0	
San Benito	0		0		0		0	
San Bernardino	5,612,420	18/63	1,605	20/63	307,894,637	2/83	87,422	2/83
San Joaquin	0		0		0		0	
Santa Barbara	0		0		32,833,940	25/83	10,252	25/83
Santa Clara	0		0		0		0	
Shasta	0		0		0		0	
Sierra	0		0		7,228,307	50/83	2,098	52/83
Siskiyou	0		0		0		0	
Solano	0		0		0		0	
Stanislaus	0		0		0		0	
Tehama	0		0		13,554	83/83	5	83/83
Trinity	0		0		0		0	
Tulare	0		0		0		0	
Tuolumne	0		0		17,382	82/83	5	82/83
Ventura	31,643	57/63	11	57/63	32,833,940	25/83	10,252	25/83
Yolo	0		0		0		0	
Yuba	0		0		0		0	
California Total	123,079,481	3/8	34,787	3/8	779,662,127	3/8	223,746	3/8

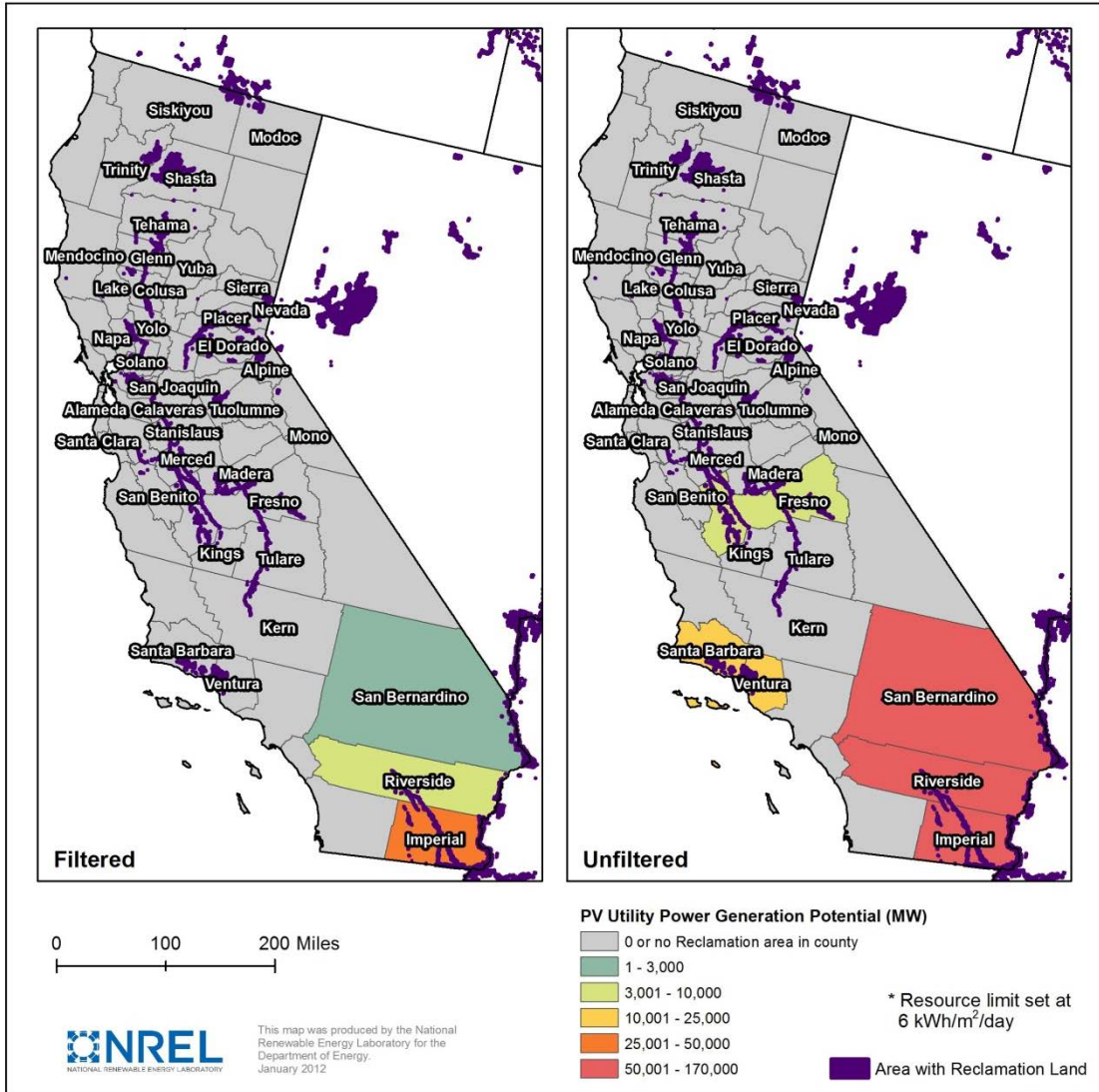


Figure A2-2. California potential installed power from utility-scale PV

Table A2-2. California Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered		PV Utility Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Alameda	0		0		0		0	
Alpine	0		0		0		0	
Amador	0		0		0		0	
Calaveras	0		0		0		0	
Colusa	0		0		0		0	
Contra Costa	0		0		0		0	
El Dorado	0		0		0		0	
Fresno	0		0		7,826,943	32/52	3,544	32/52
Glenn	0		0		0		0	
Imperial	88,202,453	1/42	38,990	1/42	178,387,381	6/52	79,109	6/52
Kern	0		0		0		0	
Kings	0		0		0		0	
Lake	0		0		0		0	
Madera	0		0		0		0	
Mendocino	0		0		0		0	
Merced	0		0		0		0	
Modoc	0		0		0		0	
Mono	0		0		0		0	
Napa	0		0		0		0	
Nevada	0		0		0		0	
Placer	0		0		0		0	
Riverside	19,694,249	8/42	8,659	8/42	128,378,858	14/52	57,420	14/52
Sacramento	0		0		0		0	
San Benito	0		0		0		0	
San Bernardino	5,288,647	12/42	2,341	12/42	292,858,286	2/52	127,566	2/52
San Joaquin	0		0		0		0	
Santa Barbara	0		0		32,869,119	19/52	14,885	19/52
Santa Clara	0		0		0		0	
Shasta	0		0		0		0	
Sierra	0		0		0		0	
Siskiyou	0		0		0		0	
Solano	0		0		0		0	
Stanislaus	0		0		0		0	
Tehama	0		0		0		0	
Trinity	0		0		0		0	
Tulare	0		0		0		0	
Tuolumne	0		0		0		0	
Ventura	0		0		32,869,119	19/52	14,885	19/52

County	PV Utility Filtered		PV Utility Unfiltered		PV Utility Filtered		PV Utility Unfiltered	
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Yolo	0		0		0		0	
Yuba	0		0		0		0	
California Total	113,185,348	2/7	49,990	2/7	673,189,706	2/7	297,408	2/7

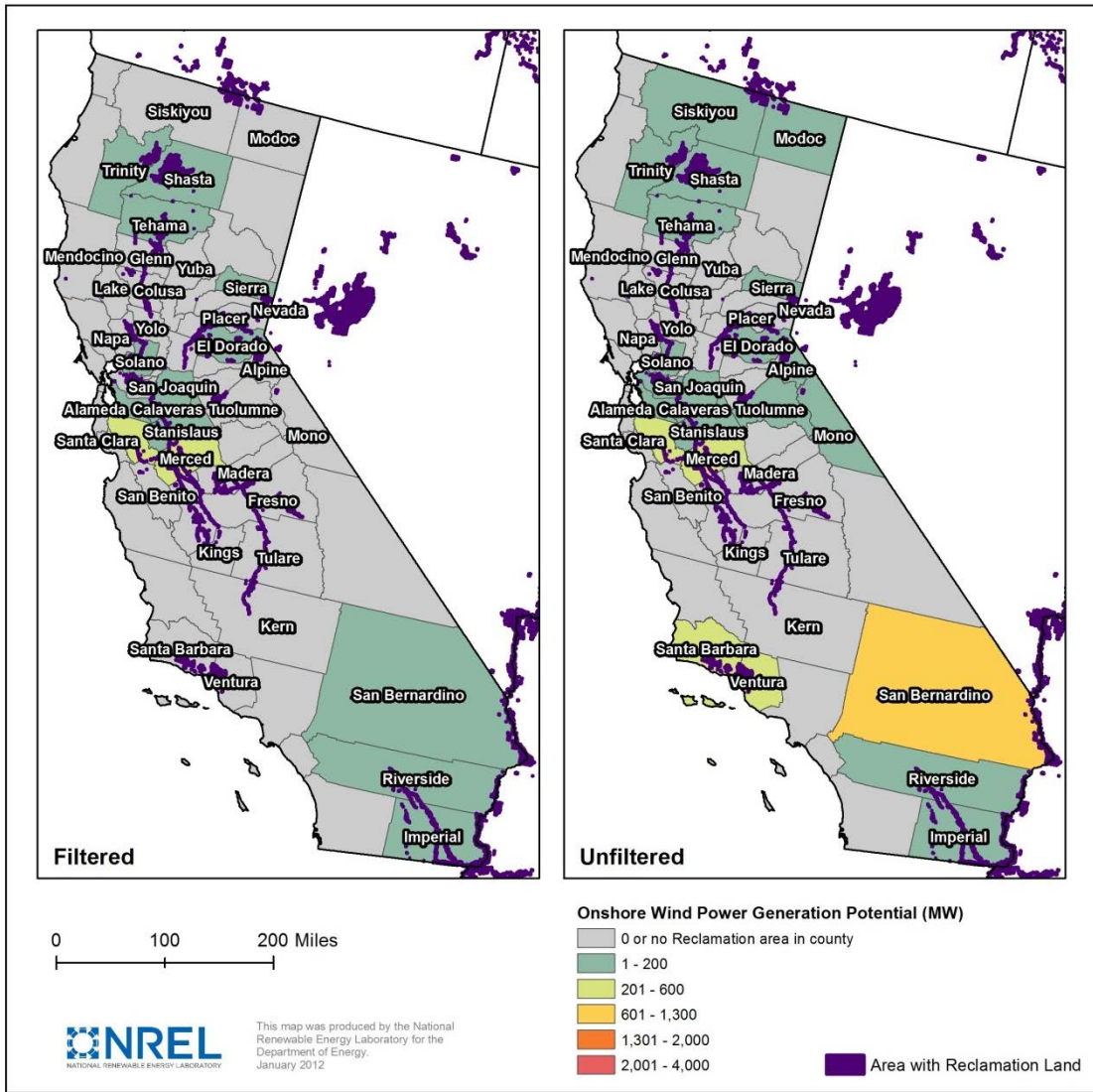


Figure A2-3. California potential installed power from onshore wind

Table A2-3. California Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Alameda	212,933	108/178	24	108/178	388,740	126/229	44	126/229
Alpine	0		0		981,786	106/229	112	106/229
Amador	0		0		0		0	
Calaveras	0		0		0		0	
Colusa	0		0		0		0	
Contra Costa	0		0		20,451	183/229	2	183/229
El Dorado	1,466	168/178	0	166/178	981,786	106/229	112	106/229
Fresno	0		0		0		0	
Glenn	0		0		0		0	
Imperial	263,991	100/178	43	94/178	1,041,381	103/229	119	103/229
Kern	0		0		0		0	
Kings	0		0		0		0	
Lake	0		0		0		0	
Madera	0		0		0		0	
Mendocino	0		0		0		0	
Merced	2,108,005	51/178	260	51/178	3,738,415	49/229	427	49/229
Modoc	0		0		55,277	167/229	6	167/229
Mono	0		0		71,705	162/229	8	162/229
Napa	0		0		0		0	
Nevada	0		0		0		0	
Placer	0		0		0		0	
Riverside	32,911	132/178	6	129/178	297,151	132/229	34	132/229
Sacramento	0		0		0		0	
San Benito	0		0		0		0	
San Bernardino	652,449	86/178	74	86/178	9,719,526	16/229	1,110	16/229
San Joaquin	212,933	108/178	24	108/178	388,740	126/229	44	126/229
Santa Barbara	0		0		4,120,707	42/229	470	42/229
Santa Clara	2,108,005	51/178	260	51/178	3,738,415	49/229	427	49/229
Shasta	86,351	121/178	15	113/178	1,292,594	92/229	148	92/229
Sierra	14,332	146/178	2	146/178	91,884	156/229	10	156/229
Siskiyou	0		0		28,360	178/229	3	178/229
Solano	266,416	99/178	30	101/178	678,757	112/229	77	112/229
Stanislaus	525	173/178	0	173/178	6,820	207/229	1	207/229
Tehama	576	172/178	0	171/178	1,142	225/229	0	225/229
Trinity	86,351	121/178	15	113/178	1,292,594	92/229	148	92/229
Tulare	0		0		0		0	
Tuolumne	0		0		4,772	213/229	1	213/229
Ventura	0		0		4,120,707	42/229	470	42/229

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Yolo	0		0		0		0	
Yuba	0		0		0		0	
California Total	6,047,242	10/17	755	10/17	33,061,708	7/17	3,774	7/17

A3. Colorado

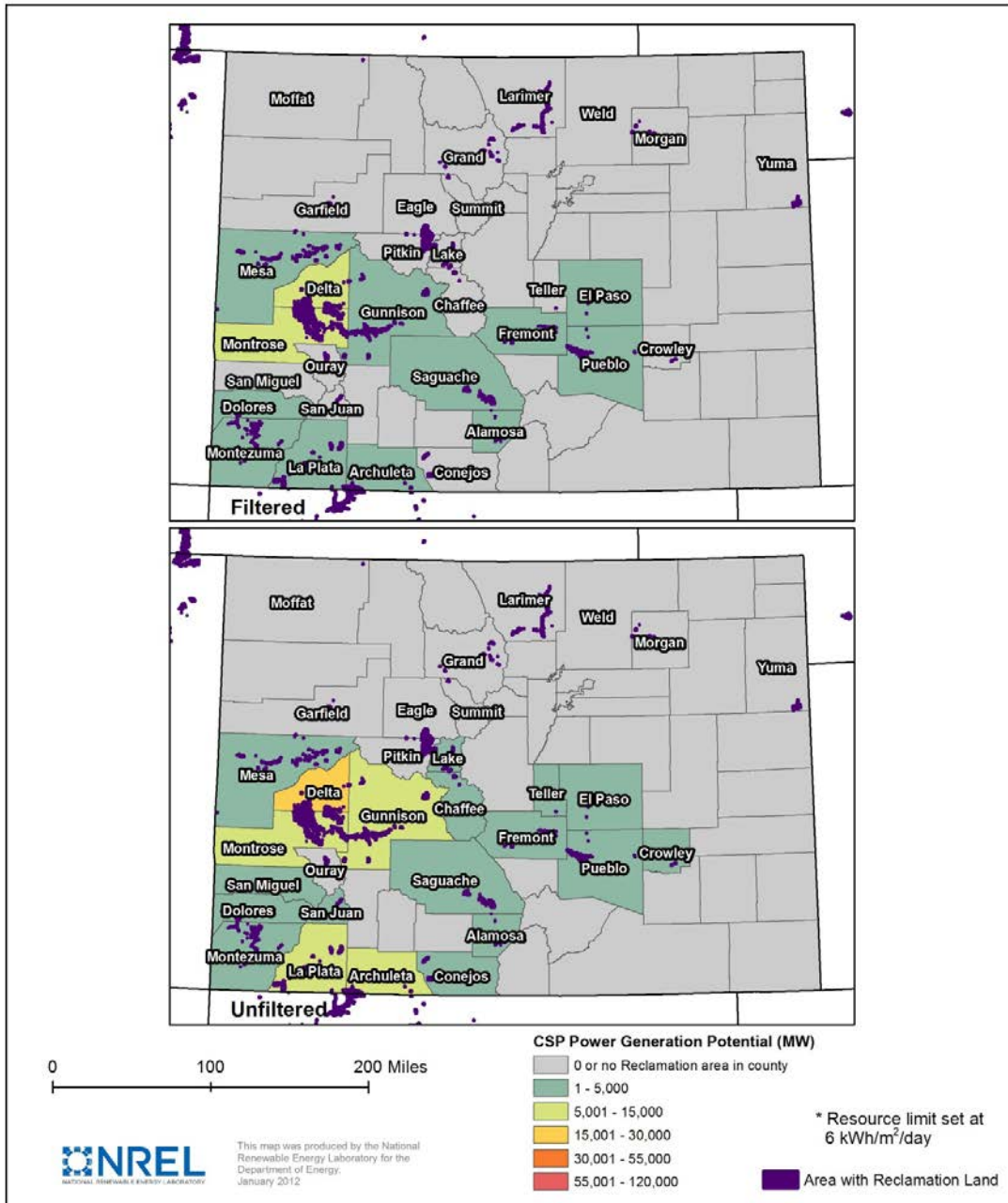


Figure A3-1. Colorado potential installed power from CSP

Table A3-1. Colorado Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		MW		CSP Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Alamosa	1,253,726	38/63	364	38/63	2,522,746	61/83	732	61/83
Archuleta	2,052,988	31/63	596	31/63	39,478,616	22/83	11,460	23/83
Chaffee	0		0		316,448	69/83	95	70/83
Conejos	0		0		2,886,212	60/83	838	60/83
Crowley	0		0		263,512	70/83	95	69/83
Delta	14,897,717	15/63	5,386	12/63	49,257,028	20/83	17,707	20/83
Dolores	193,825	51/63	56	51/63	11,557,980	42/83	3,355	43/83
Eagle	0		0		0		0	
El Paso	1,631	63/63	1	63/63	104,334	73/83	38	73/83
Fremont	2,171,080	29/63	631	29/63	12,690,796	39/83	3,687	40/83
Garfield	0		0		0		0	
Grand	0		0		0		0	
Gunnison	135,228	55/63	48	55/63	21,980,990	34/83	7,873	31/83
La Plata	2,052,988	31/63	596	31/63	22,440,710	33/83	6,514	34/83
Lake	0		0		686,128	65/83	248	65/83
Larimer	0		0		0		0	
Mesa	23,212	59/63	8	59/63	438,279	68/83	159	67/83
Moffat	0		0		0		0	
Montezuma	742,521	43/63	216	42/63	11,557,980	42/83	3,355	43/83
Montrose	14,897,717	15/63	5,386	12/63	36,235,350	24/83	13,075	21/83
Morgan	0		0		0		0	
Ouray	0		0		0		0	
Pitkin	0		0		0		0	
Pueblo	2,171,080	29/63	631	29/63	12,690,796	39/83	3,687	40/83
Saguache	4,465,379	22/63	1,296	22/63	5,268,968	55/83	1,530	54/83
San Juan	0		0		98,851	74/83	36	74/83
San Miguel	0		0		43,979	76/83	16	76/83
Summit	0		0		0		0	
Teller	0		0		75,619	75/83	22	75/83
Weld	0		0		0		0	
Yuma	0		0		0		0	
Colorado Total	45,059,091	4/8	15,214	4/8	230,595,322	5/8	74,522	5/8

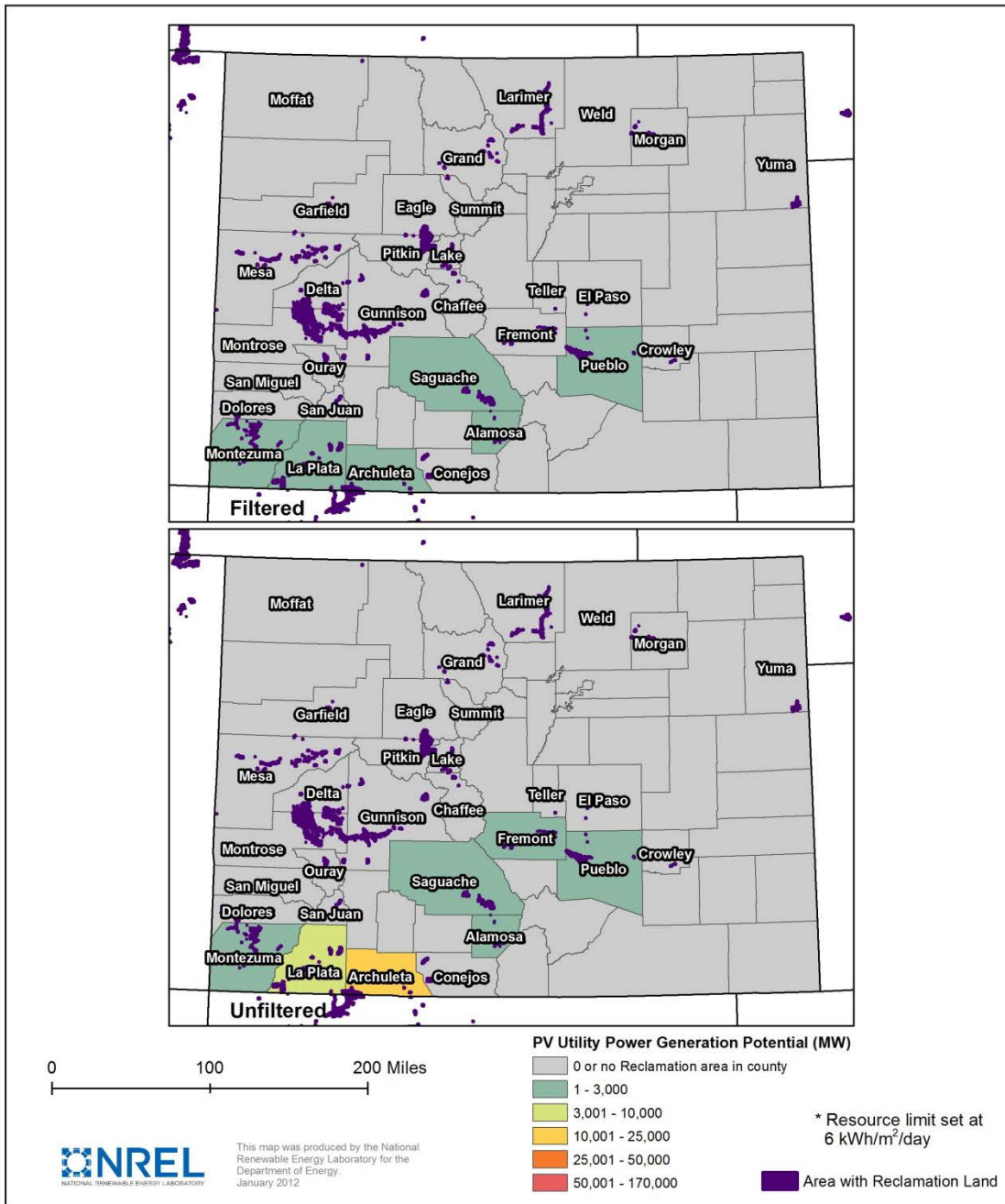


Figure A3-2. Colorado potential installed power from utility-scale PV

Table A3-2. Colorado Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered		PV Utility Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Alamosa	1,204,430	26/42	531	26/42	2,423,548	39/52	1,069	39/52
Archuleta	1,673,163	22/42	735	21/42	25,172,294	24/52	10,985	25/52
Chaffee	0		0		0		0	
Conejos	0		0		0		0	
Crowley	0		0		0		0	
Delta	0		0		0		0	
Dolores	0		0		0		0	
Eagle	0		0		0		0	
El Paso	0		0		0		0	
Fremont	0		0		2,342,982	40/52	1,033	40/52
Garfield	0		0		0		0	
Grand	0		0		0		0	
Gunnison	0		0		0		0	
La Plata	1,673,163	22/42	735	21/42	16,392,224	30/52	7,172	30/52
Lake	0		0		0		0	
Larimer	0		0		0		0	
Mesa	0		0		0		0	
Moffat	0		0		0		0	
Montezuma	326,363	33/42	144	33/42	957,515	43/52	422	43/52
Montrose	0		0		0		0	
Morgan	0		0		0		0	
Ouray	0		0		0		0	
Pitkin	0		0		0		0	
Pueblo	71,234	40/42	31	40/42	106,387	47/52	47	47/52
Saguache	4,289,798	14/42	1,891	14/42	5,061,781	36/52	2,232	34/52
San Juan	0		0		0		0	
San Miguel	0		0		0		0	
Summit	0		0		0		0	
Teller	0		0		0		0	
Weld	0		0		0		0	
Yuma	0		0		0		0	
Colorado Total	9,238,150	6/7	4,069	6/7	52,456,731	7/7	22,959	7/7

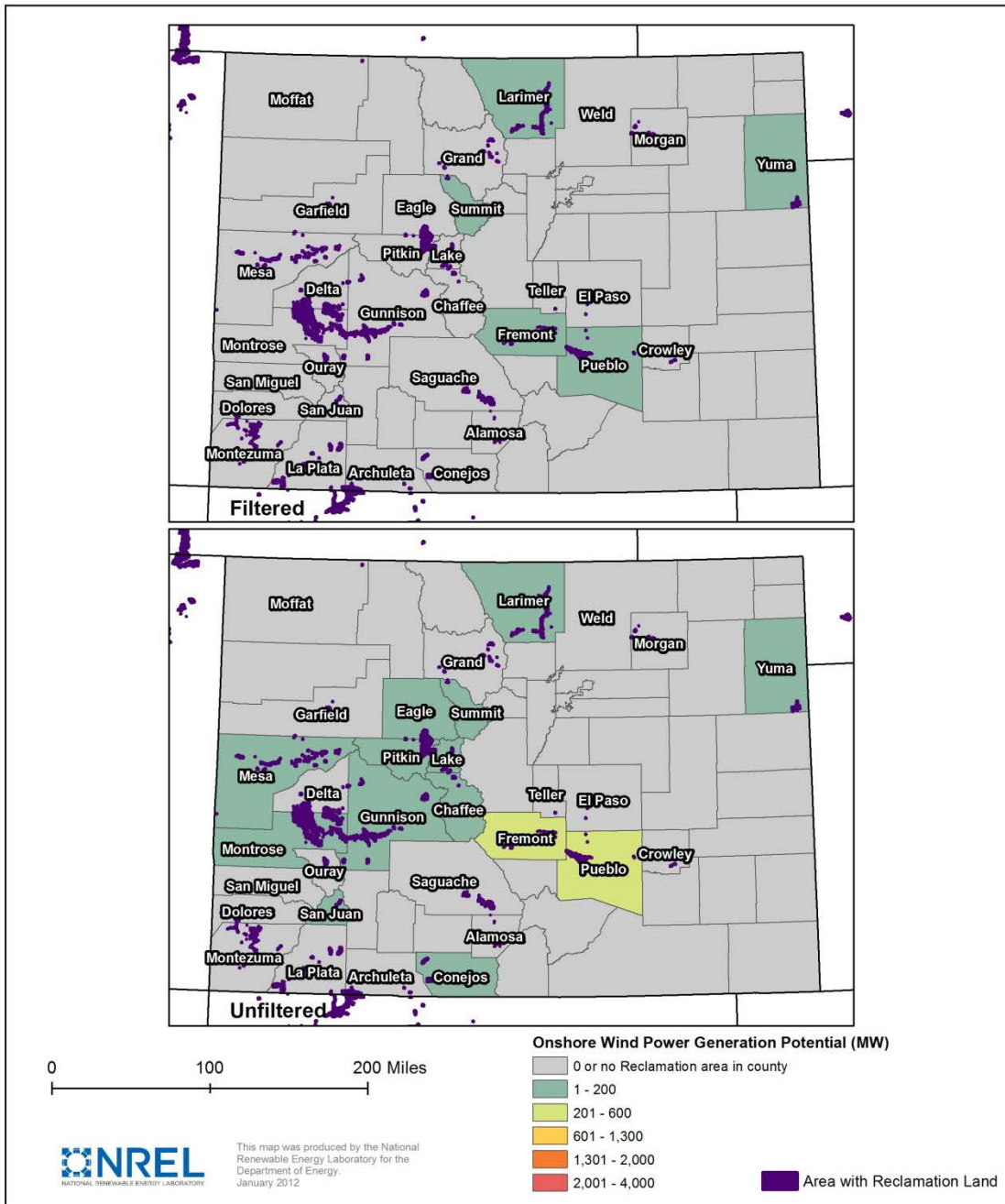


Figure A3-3. Colorado potential installed power from onshore wind

Table A3-3. Colorado Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Alamosa	0		0		0		0	
Archuleta	0		0		0		0	
Chaffee	0		0		36,566	171/229	4	171/229
Conejos	0		0		230,423	139/229	26	139/229
Crowley	0		0		0		0	
Delta	0		0		0		0	
Dolores	0		0		0		0	
Eagle	0		0		64,841	163/229	7	163/229
El Paso	0		0		0		0	/229
Fremont	761,771	81/178	87	82/178	1,988,944	81/229	227	81/229
Garfield	0		0		0		0	
Grand	0		0		0		0	
Gunnison	0		0		5,431	209/229	1	209/229
La Plata	0		0		0		0	
Lake	0		0		578,107	116/229	66	116/229
Larimer	426,408	89/178	50	89/178	947,008	108/229	108	108/229
Mesa	0		0		2,232	221/229	0	221/229
Moffat	0		0		0		0	
Montezuma	0		0		0		0	
Montrose	0		0		1,752	224/229	0	224/229
Morgan	0		0		0		0	
Ouray	0		0		0		0	
Pitkin	0		0		578,107	116/229	66	116/229
Pueblo	761,771	81/178	87	82/178	1,988,944	81/229	227	81/229
Saguache	0		0		0		0	
San Juan	0		0		3,332	217/229	0	217/229
San Miguel	0		0		0		0	
Summit	395	174/178	0	174/178	6,743	208/229	1	208/229
Teller	0		0		0		0	
Weld	0		0		0		0	
Yuma	707,333	84/178	119	75/178	1,407,030	89/229	161	89/229
Colorado Total	2,657,678	12/17	343	12/17	7,839,460	13/17	895	13/17

C4. Idaho

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

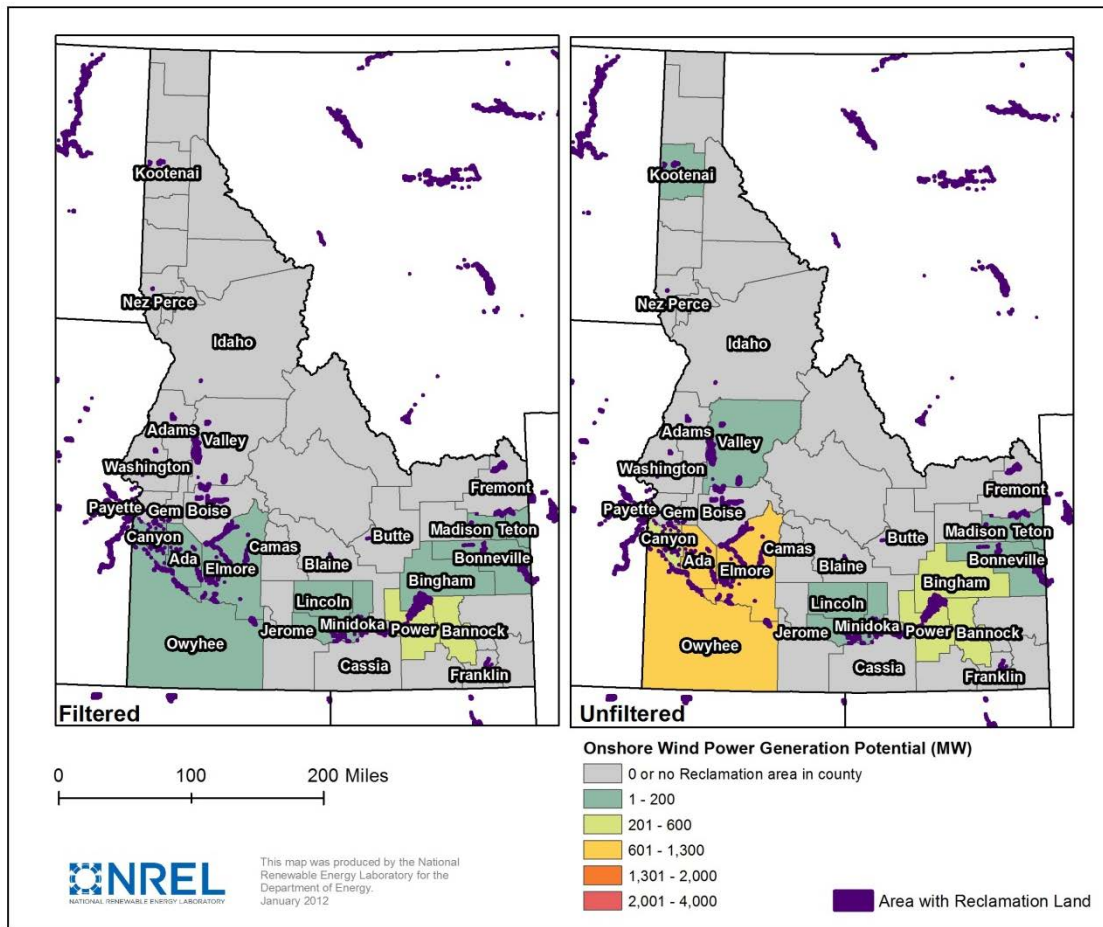


Figure A4-1. Idaho potential installed power from onshore wind

Table A4-1. Idaho Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Ada	71,348	125/178	8	125/178	6,408,960	32/229	732	32/229
Adams	0		0		0		0	
Bannock	2,269,943	48/178	321	40/178	4,047,287	46/229	462	46/229
Bingham	1,016,453	71/178	134	66/178	2,387,048	74/229	272	74/229
Blaine	0		0		0		0	
Boise	0		0		0		0	
Bonneville	110,031	119/178	23	110/178	312,379	131/229	36	131/229
Butte	0		0		0		0	
Camas	0		0		0		0	

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Canyon	320,639	94/178	37	97/178	2,394,980	73/229	273	73/229
Cassia	0		0		0		0	
Elmore	1,159,272	67/178	132	70/178	6,408,960	32/229	732	32/229
Franklin	0		0		0		0	
Fremont	0		0		0		0	
Gem	0		0		0		0	
Idaho	0		0		0		0	
Jerome	213,637	106/178	27	103/178	238,180	137/229	27	137/229
Kootenai	0		0		5,386	211/229	1	211/229
Lincoln	8,856	152/178	1	154/178	8,856	200/229	1	200/229
Madison	1,483	167/178	0		2,332	220/229	0	220/229
Minidoka	213,637	106/178	27	103/178	238,180	137/229	27	137/229
Nez Perce	0		0		0		0	
Owyhee	320,639	94/178	37	97/178	7,997,254	20/229	913	20/229
Payette	0		0		0		0	
Power	2,274,061	47/178	322	38/178	4,054,897	45/229	463	45/229
Teton	5,146	160/178	1	152/178	11,118	196/229	1	196/229
Valley	0		0		25,573	182/229	3	182/229
Washington	0		0		0		0	
Idaho Total	7,985,145	9/17	1,070	9/17	34,541,387	6/17	3,943	6/17

A5. Kansas

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

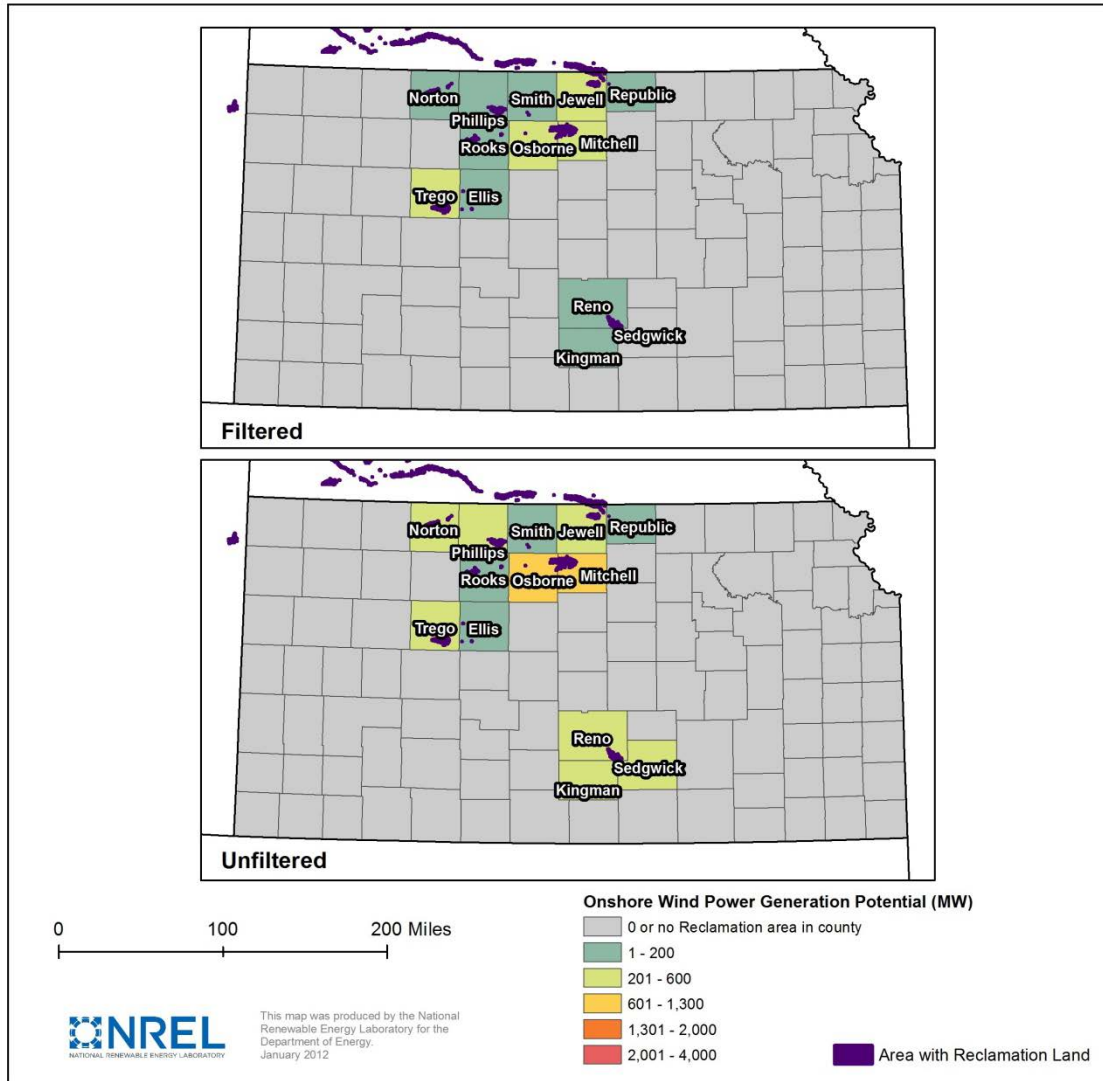


Figure A5-1. Kansas potential installed power from onshore wind

Table A5-1. Kansas Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered		MW		Onshore Wind Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Ellis	28,315	137/178	3	137/178	56,621	166/229	6	166/229
Jewell	2,147,229	49/178	248	54/178	3,342,245	56/229	382	56/229
Kingman	52,766	128/178	7	128/178	3,126,344	60/229	357	60/229
Mitchell	1,833,132	57/178	222	56/178	5,736,338	36/229	655	36/229
Norton	1,527,257	60/178	188	60/178	1,979,502	83/229	226	83/229
Osborne	1,833,132	57/178	222	56/178	5,736,338	36/229	655	36/229
Phillips	8,722	153/178	1	155/178	2,142,619	77/229	245	77/229
Reno	1,162,151	66/178	138	64/178	3,126,344	60/229	357	60/229
Republic	14,308	147/178	2	147/178	14,308	191/229	2	191/229
Rooks	1,059,441	70/178	134	67/178	1,336,651	90/229	153	90/229
Sedgwick	0		0		3,126,344	60/229	357	60/229
Smith	17,770	141/178	2	141/178	17,770	186/229	2	186/229
Trego	2,490,634	43/178	296	43/178	2,722,214	67/229	311	67/229
Kansas Total	12,174,857	8/17	1,462	8/17	32,463,637	8/17	3,706	8/17

A6. Montana

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

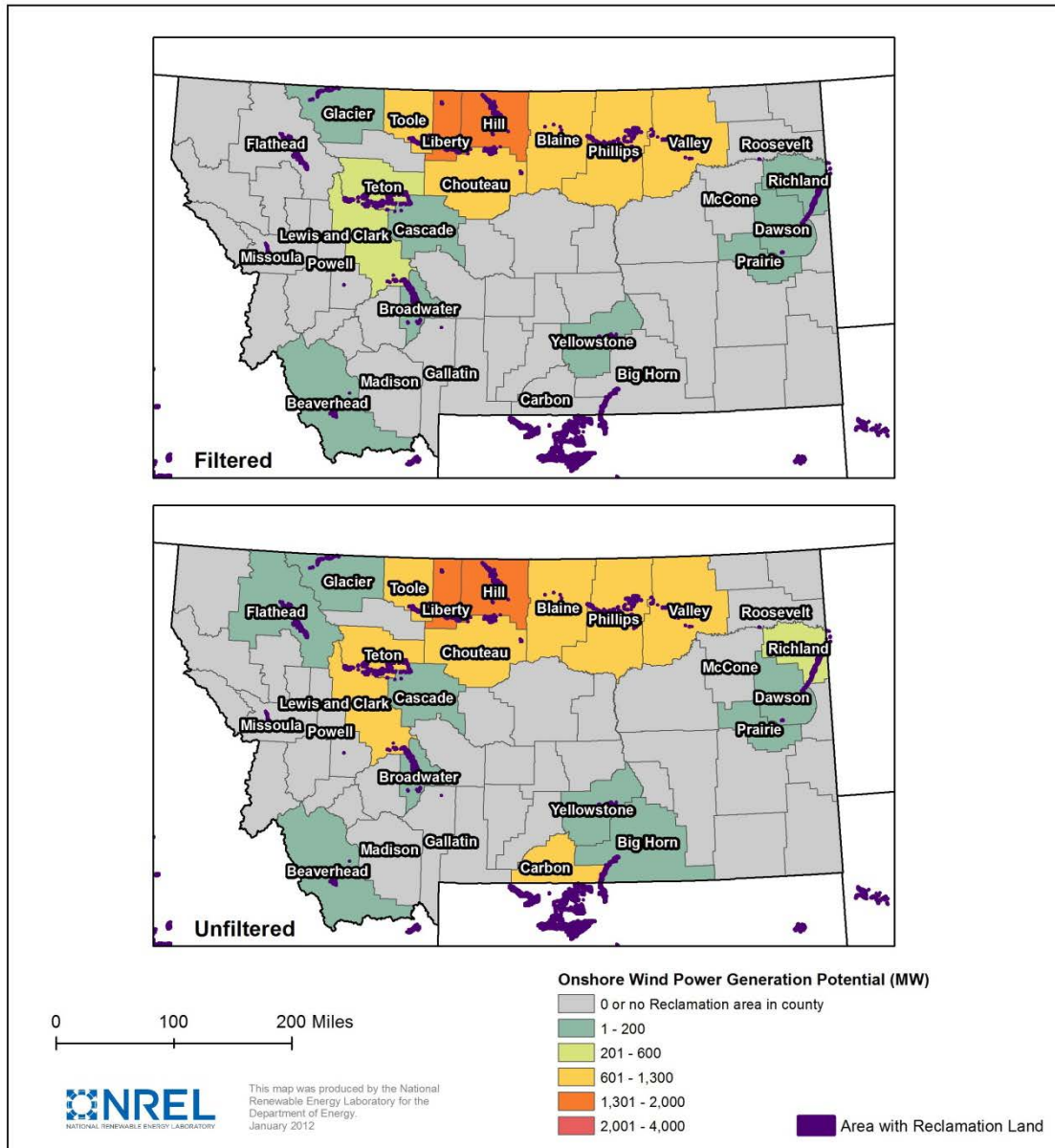


Figure A6-1. Montana potential installed power from onshore wind

Table A6-1. Montana Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Beaverhead	268,671	98/178	31	100/178	369,894	128/229	42	128/229
Big Horn	0		0		1,551,050	86/229	177	86/229
Blaine	5,742,458	17/178	671	16/178	6,990,615	24/229	798	24/229
Broadwater	12,095	148/178	1	148/178	837,247	109/229	96	109/229
Carbon	0		0		6,582,324	31/229	751	31/229
Cascade	257,301	101/178	31	99/178	270,704	134/229	31	134/229
Chouteau	8,958,324	8/178	1,023	8/178	9,208,383	17/229	1,051	17/229
Dawson	15,011	142/178	2	142/178	17,454	187/229	2	187/229
Flathead	0		0		124,971	150/229	14	150/229
Gallatin	0		0		0		0	
Glacier	842,075	79/178	120	74/178	1,167,890	97/229	133	97/229
Hill	12,003,301	3/178	1,370	3/178	14,570,650	7/229	1,663	7/229
Lewis and Clark	3,514,590	28/178	448	24/178	6,661,691	29/229	760	29/229
Liberty	11,706,151	4/178	1,336	4/178	15,217,036	6/229	1,737	6/229
Madison	0		0		0		0	
McCone	0		0		0		0	
Missoula	0		0		0		0	
Phillips	6,127,161	14/178	715	14/178	7,375,020	22/229	842	22/229
Powell	0		0		0		0	
Prairie	32	178/178	0	178/178	32	228/229	0	228/229
Richland	1,135,664	68/178	132	71/178	2,022,450	79/229	231	79/229
Roosevelt	0		0		0		0	
Teton	3,514,590	28/178	448	24/178	6,661,691	29/229	760	29/229
Toole	5,653,521	18/178	645	18/178	8,914,347	18/229	1,018	18/229
Valley	5,953,024	15/178	694	15/178	7,192,957	23/229	821	23/229
Yellowstone	104,702	120/178	12	122/178	111,000	153/229	13	153/229
Montana Total	65,808,669	2/17	7,679	2/17	95,847,409	2/17	10,941	2/17

A7. Nebraska

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

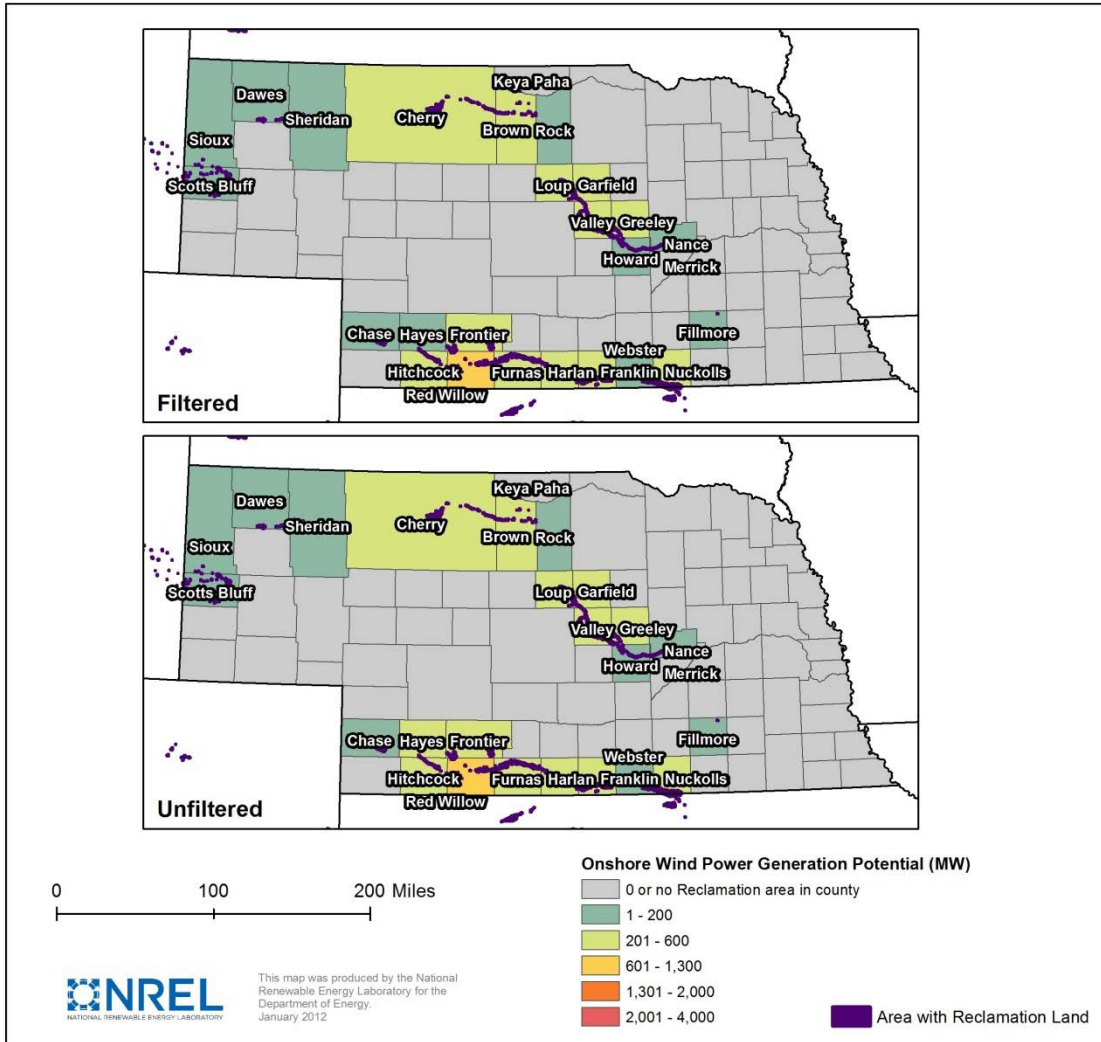


Figure A7-1. Nebraska potential installed power from onshore wind

Table A7-1. Nebraska Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered		MW		Onshore Wind Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Brown	1,951,653	53/178	294	44/178	2,949,807	65/229	337	65/229
Chase	988,269	72/178	113	76/178	1,065,491	102/229	122	102/229
Cherry	1,951,206	54/178	294	45/178	2,949,360	66/229	337	66/229
Dawes	938,687	75/178	128	72/178	1,121,765	100/229	128	100/229
Fillmore	28,605	135/178	3	135/178	28,605	177/229	3	177/229
Franklin	2,505,826	41/178	286	46/178	2,530,741	69/229	289	69/229
Frontier	2,820,888	38/178	322	39/178	3,143,218	59/229	359	59/229
Furnas	3,049,723	36/178	348	36/178	3,528,856	55/229	403	55/229
Garfield	4,426,758	22/178	525	22/178	5,213,775	39/229	595	39/229
Greeley	3,618,206	26/178	441	26/178	3,861,082	48/229	441	48/229
Harlan	2,505,826	41/178	286	46/178	2,530,741	69/229	289	69/229
Hayes	1,533,647	59/178	175	61/178	2,017,180	80/229	230	80/229
Hitchcock	2,281,777	46/178	260	50/178	3,046,097	63/229	348	63/229
Howard	1,109,874	69/178	134	65/178	1,177,953	96/229	134	96/229
Keya Paha	0		0		0		0	
Loup	1,918,426	55/178	219	58/178	2,530,645	71/229	289	71/229
Merrick	0		0		0		0	
Nance	250,512	102/178	29	102/178	250,512	135/229	29	135/229
Nuckolls	2,147,229	49/178	248	54/178	3,342,245	56/229	382	56/229
Red Willow	6,552,007	13/178	748	13/178	7,556,218	21/229	863	21/229
Rock	500,352	88/178	57	88/178	610,758	115/229	70	115/229
Scotts Bluff	863,967	77/178	99	79/178	1,536,908	87/229	175	87/229
Sheridan	938,687	75/178	128	72/178	1,121,765	100/229	128	100/229
Sioux	685,539	85/178	79	85/178	1,329,704	91/229	152	91/229
Valley	3,436,405	31/178	420	30/178	3,918,063	47/229	447	47/229
Webster	126,450	112/178	14	115/178	134,242	147/229	15	147/229
Nebraska Total	47,130,518	4/17	5,652	4/17	57,495,730	4/17	6,563	4/17

A8. Nevada

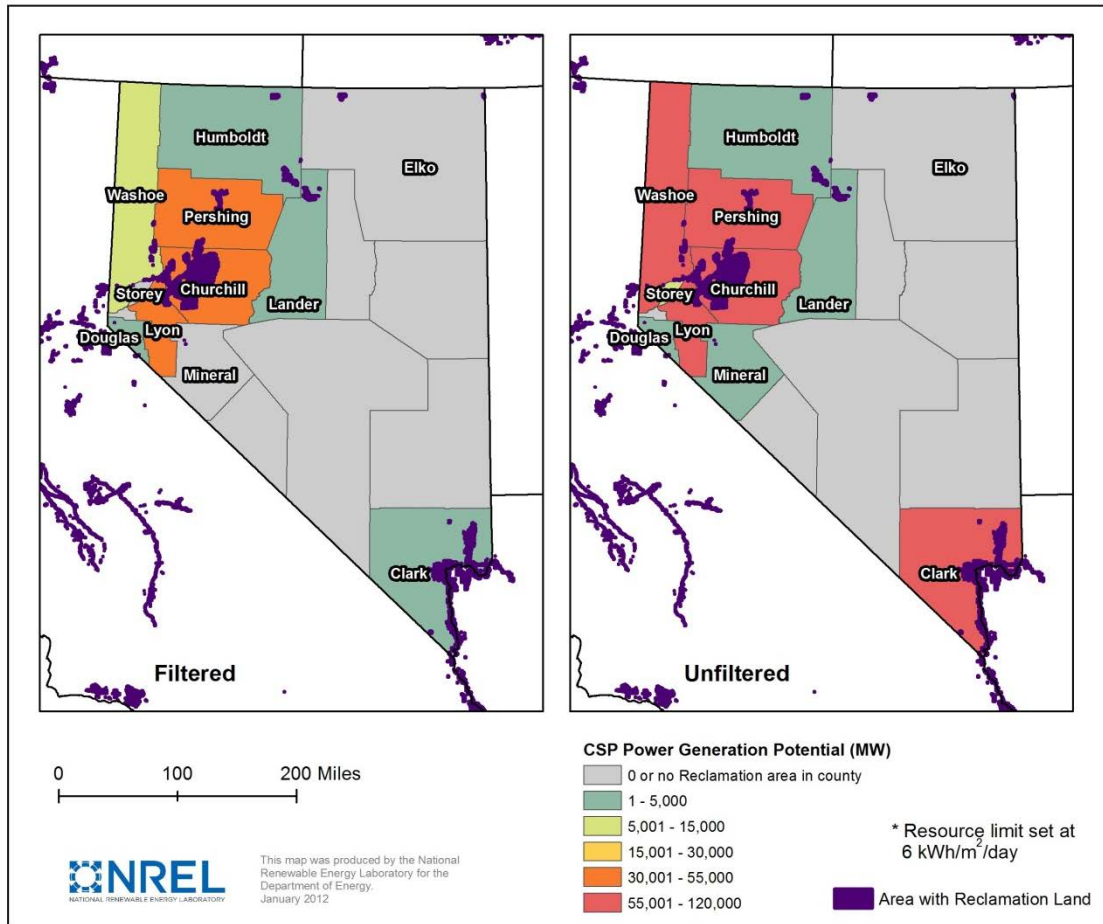


Figure A8-1. Nevada potential installed power from CSP

Table A8-1. Nevada Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		MW		CSP Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Churchill	145,746,598	1/63	44,432	1/63	236,996,095	6/83	71,412	6/83
Clark	5,612,420	18/63	1,605	20/63	267,067,592	4/83	76,302	4/83
Douglas	285,167	49/63	83	50/63	1,987,197	63/83	577	63/83
Elko	0		0		0		0	
Humboldt	2,901,992	28/63	1,050	25/63	4,164,251	57/83	1,506	57/83
Lander	6,091,102	17/63	2,204	17/63	8,131,188	48/83	2,942	47/83
Lyon	143,406,292	2/63	43,544	2/63	222,638,750	7/83	66,764	7/83
Mineral	0		0		34,713	78/83	10	78/83
Pershing	140,356,309	3/63	42,899	3/63	220,400,957	8/83	66,594	8/83
Storey	0		0		24,354,828	32/83	7,115	33/83
Washoe	24,667,368	10/63	7,434	10/63	237,516,711	5/83	71,563	5/83
Nevada Total	469,067,248	1/8	143,250	1/8	1,223,292,282	2/8	364,784	2/8

Table A8-2. Nevada Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered		MW		PV Utility Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Churchill	25,827,558	7/42	11,189	7/42	39,068,803	17/52	16,926	17/52
Clark	5,288,647	12/42	2,341	12/42	255,442,833	4/52	111,338	4/52
Douglas	278,819	34/42	121	34/42	1,925,293	42/52	834	42/52
Elko	0		0		0		0	
Humboldt	0		0		0		0	
Lander	0		0		0		0	
Lyon	2,312,121	20/42	1,002	20/42	39,068,803	17/52	16,926	17/52
Mineral	0		0		33,940	49/52	15	49/52
Pershing	0		0		0		0	
Storey	0		0		0		0	
Washoe	0		0		0		0	
Nevada Total	33,707,144	4/7	14,653	4/7	335,539,673	4/7	146,039	4/7

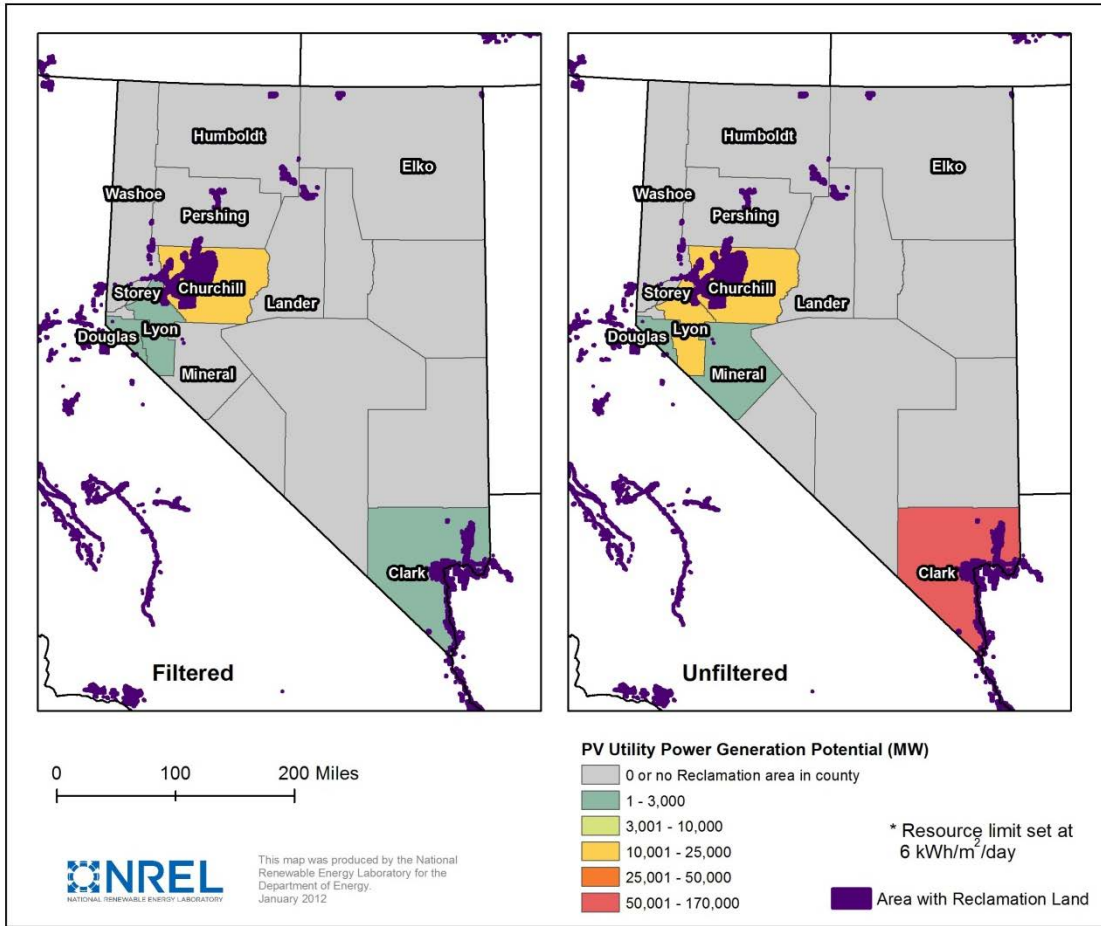


Figure A8-2. Nevada potential installed power from utility-scale PV

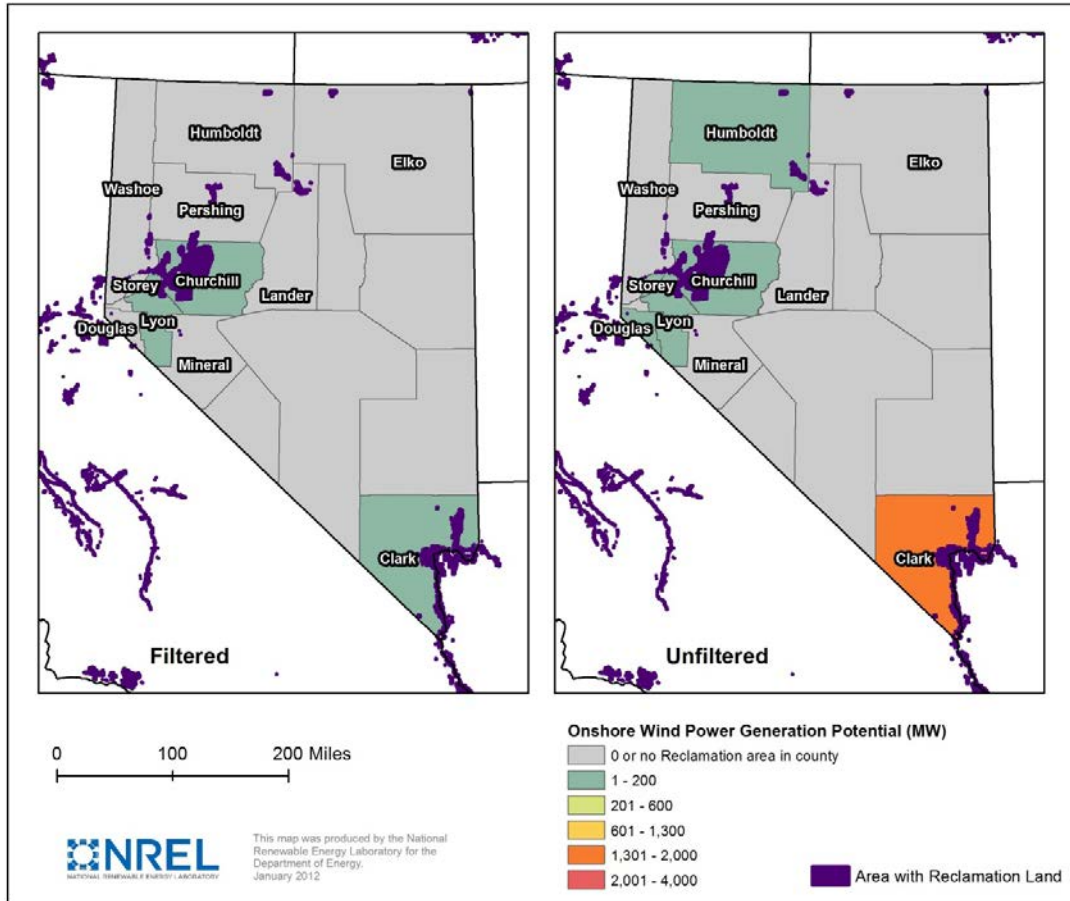


Figure A8-3. Nevada potential installed power from onshore wind

Table A8-3. Nevada Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Churchill	123,876	113/178	14	116/178	217,001	141/229	25	141/229
Clark	4,309	162/178	0	162/178	12,957,882	9/229	1,479	9/229
Douglas	0		0		538	226/229	0	226/229
Elko	0		0		0		0	
Humboldt	0		0		441,611	119/229	50	119/229
Lander	0		0		0		0	
Lyon	123,876	113/178	14	116/178	217,001	141/229	25	141/229
Mineral	0		0		0		0	
Pershing	0		0		0		0	
Storey	0		0		4,800	212/229	1	212/229
Washoe	0		0		0		0	
Nevada Total	252,061	15/17	29	15/17	13,838,834	12/17	1,580	12/17

A9. New Mexico

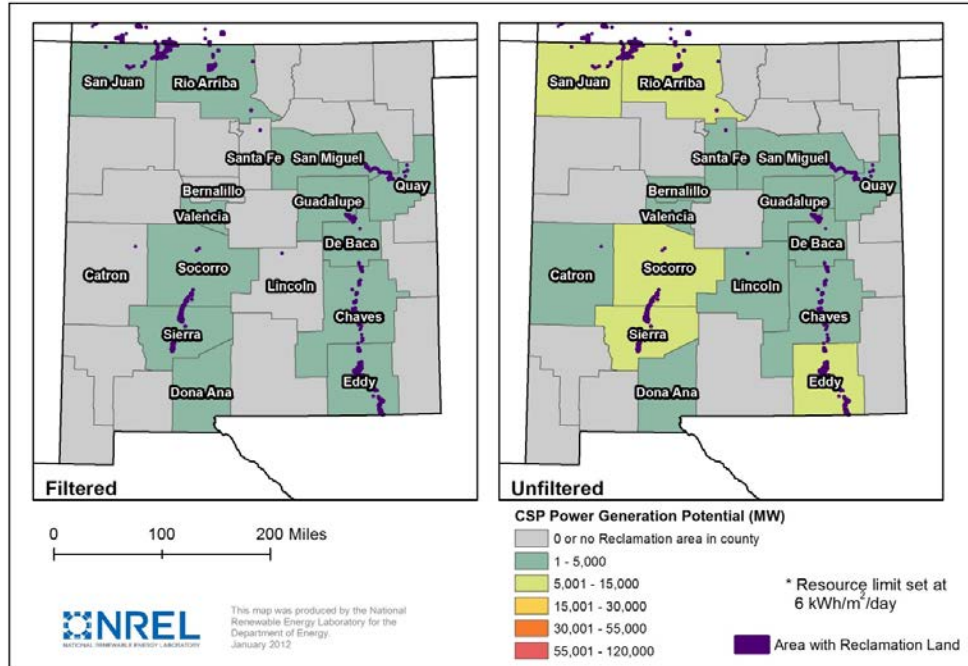


Figure A9-1. New Mexico potential installed power from CSP

Table A9-1. New Mexico Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	CSP Filtered			CSP Unfiltered				
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Bernalillo	0		0		36,851	77/83	11	77/83
Catron	0		0		18,392	80/83	5	80/83
Chaves	3,279,028	26/63	952	27/63	7,890,606	49/83	2,291	49/83
De Baca	3,586,999	25/63	1,041	26/63	8,981,723	45/83	2,607	48/83
Dona Ana	18,821	61/63	5	61/63	18,821	79/83	5	79/83
Eddy	15,397,546	12/63	4,547	14/63	26,197,752	29/83	7,919	28/83
Guadalupe	1,725,721	34/63	501	36/63	5,219,053	56/83	1,515	55/83
Lincoln	0		0		18,343	81/83	5	81/83
Quay	580,467	46/63	169	46/63	3,476,095	58/83	1,009	58/83
Rio Arriba	580,059	47/63	168	47/63	29,687,577	27/83	8,618	27/83
San Juan	2,052,988	31/63	596	31/63	39,478,616	22/83	11,460	23/83
San Miguel	1,174,397	39/63	341	39/63	3,476,095	58/83	1,009	58/83
Santa Fe	0		0		144,606	72/83	42	72/83
Sierra	4,090,798	23/63	1,188	23/63	18,090,374	36/83	5,251	36/83
Socorro	4,090,798	23/63	1,188	23/63	18,090,374	36/83	5,251	36/83
Valencia	177,690	52/63	52	52/63	468,091	67/83	136	68/83
New Mexico Total	36,755,310	5/8	10,747	5/8	161,293,370	6/8	47,136	6/8

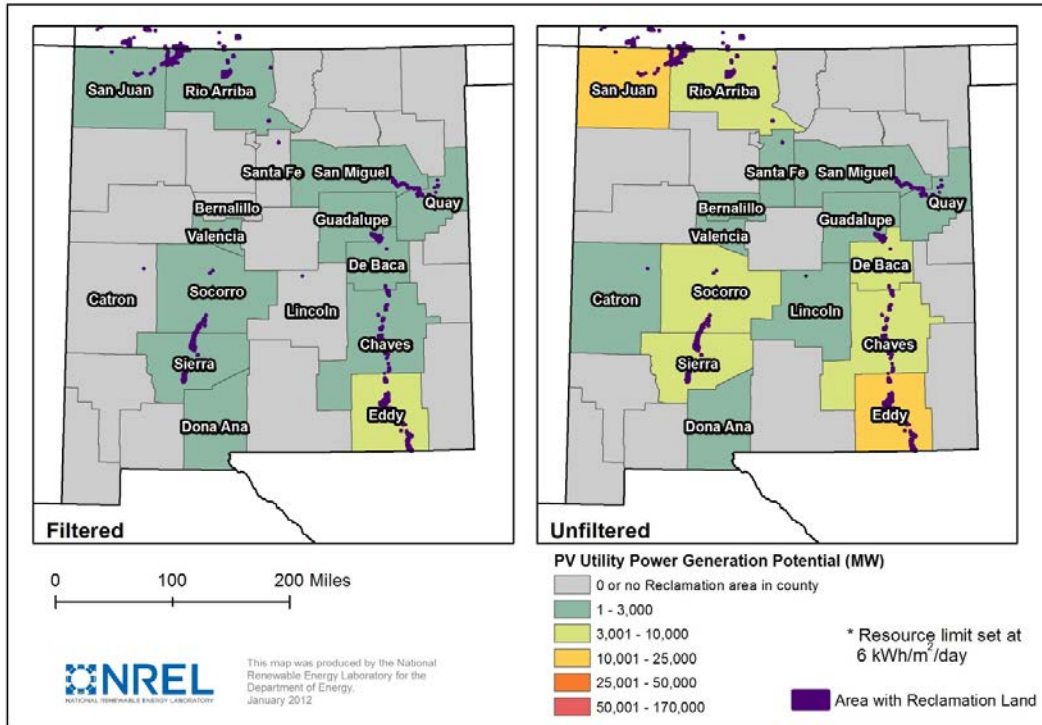


Figure A9-2. New Mexico potential installed power from utility-scale PV

Table A9-2. New Mexico Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered			PV Utility Unfiltered				
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Bernalillo	0		0		35,942	48/52	16	48/52
Catron	0		0		17,938	51/52	8	51/52
Chaves	3,198,064	18/42	1,389	18/42	7,695,783	33/52	3,342	33/52
De Baca	3,498,430	17/42	1,519	17/42	8,759,958	31/52	3,805	31/52
Dona Ana	18,356	41/42	8	41/42	18,356	50/52	8	50/52
Eddy	15,276,363	9/42	6,635	9/42	26,605,798	21/52	11,555	21/52
Guadalupe	1,683,110	21/42	731	24/42	5,090,190	35/52	2,211	35/52
Lincoln	0		0		17,890	52/52	8	52/52
Quay	566,135	31/42	246	31/42	3,390,268	37/52	1,472	37/52
Rio Arriba	235,080	35/42	102	35/42	20,788,001	27/52	9,052	27/52
San Juan	1,673,163	22/42	735	21/42	25,172,294	24/52	10,985	25/52
San Miguel	1,145,399	27/42	497	27/42	3,390,268	37/52	1,472	37/52
Santa Fe	0		0		141,036	46/52	61	46/52
Sierra	3,989,792	15/42	1,733	15/42	17,643,710	28/52	7,663	28/52
Socorro	3,989,792	15/42	1,733	15/42	17,643,710	28/52	7,663	28/52
Valencia	173,303	36/42	75	36/42	456,533	44/52	198	44/52
New Mexico Total	35,446,988	3/7	15,404	3/7	136,867,675	5/7	59,519	5/7

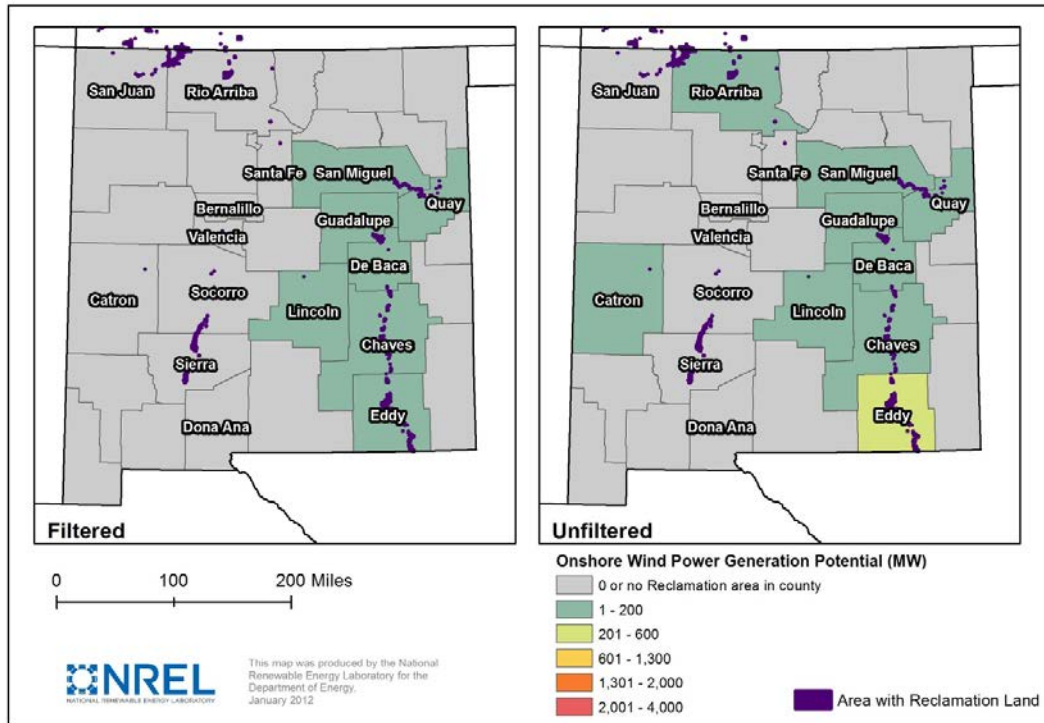


Figure A9-3. New Mexico potential installed power from onshore wind

Table A9-3. New Mexico Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered			Onshore Wind Unfiltered				
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Bernalillo	0		0		0		0	
Catron	0		0		2,812	218/229	0	218/229
Chaves	4,471	161/178	1	161/178	5,411	210/229	1	210/229
De Baca	1,167,089	64/178	133	68/178	1,280,810	94/229	146	94/229
Dona Ana	0		0		0		0	
Eddy	1,488,568	61/178	170	62/178	1,844,451	84/229	211	84/229
Guadalupe	1,167,089	64/178	133	68/178	1,280,810	94/229	146	94/229
Lincoln	7,090	156/178	1	157/178	7,090	204/229	1	204/229
Quay	950,942	73/178	109	77/178	1,167,228	98/229	133	98/229
Rio Arriba	0		0		2,748	219/229	0	219/229
San Juan	0		0		0		0	
San Miguel	950,942	73/178	109	77/178	1,167,228	98/229	133	98/229
Santa Fe	0		0		0		0	
Sierra	0		0		0		0	
Socorro	0		0		0		0	
Valencia	0		0		0		0	
New Mexico Total	5,736,190	11/17	655	11/17	6,758,587	14/17	772	14/17

A10. North Dakota

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

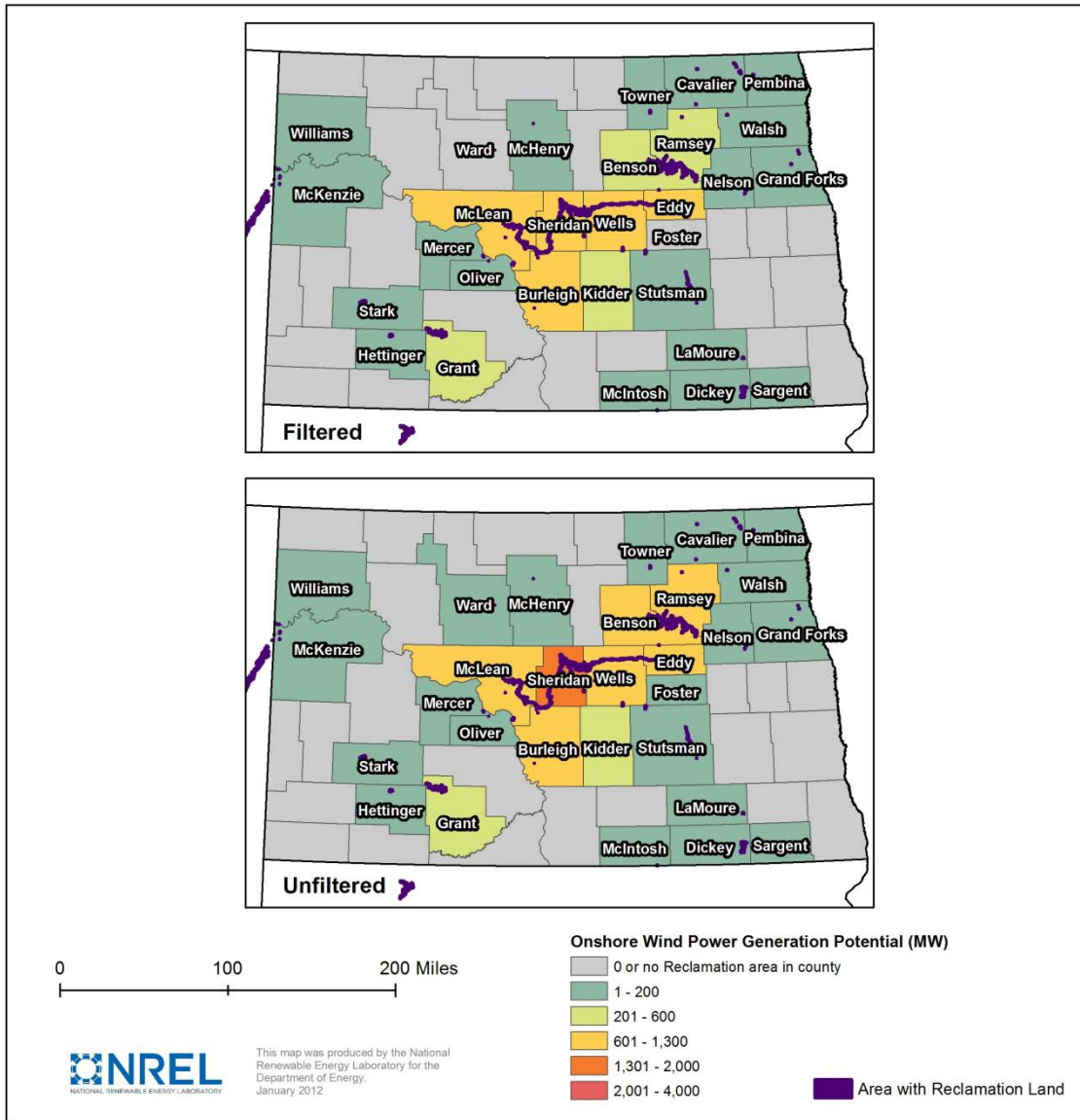


Figure A10-1. North Dakota potential installed power from onshore wind

Table A10-1. North Dakota Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Benson	3,611,660	27/178	412	31/178	5,901,362	35/229	674	35/229
Burleigh	7,260,994	11/178	829	11/178	10,143,494	14/229	1,158	14/229
Cavalier	216,784	105/178	25	107/178	244,555	136/229	28	136/229
Dickey	130,949	110/178	15	111/178	732,579	110/229	84	110/229
Eddy	5,807,484	16/178	663	17/178	6,951,788	25/229	794	25/229
Foster	0		0		7,093	203/229	1	203/229
Grand Forks	85,656	123/178	10	123/178	85,656	159/229	10	159/229
Grant	1,873,457	56/178	214	59/178	2,022,889	78/229	231	78/229
Hettinger	224,069	103/178	26	105/178	224,069	140/229	26	140/229
Kidder	3,263,907	34/178	373	34/178	3,263,907	58/229	373	58/229
LaMoure	113,641	115/178	13	118/178	113,641	151/229	13	151/229
McHenry	3,568	163/178	0	164/178	3,568	216/229	0	216/229
McIntosh	28,709	133/178	3	133/178	28,709	175/229	3	175/229
McKenzie	11,601	149/178	1	149/178	32,249	172/229	4	172/229
McLean	7,260,994	11/178	829	11/178	10,143,494	14/229	1,158	14/229
Mercer	7,024	157/178	1	158/178	7,024	205/229	1	205/229
Nelson	382,936	92/178	44	93/178	1,558,181	85/229	178	85/229
Oliver	1,929	165/178	0	168/178	1,929	223/229	0	223/229
Pembina	28,328	136/178	3	136/178	28,328	179/229	3	179/229
Ramsey	3,235,566	35/178	369	35/178	5,268,206	38/229	601	38/229
Sargent	338,370	93/178	39	96/178	338,370	129/229	39	129/229
Sheridan	10,524,215	5/178	1,201	5/178	13,406,714	8/229	1,530	8/229
Stark	129,708	111/178	15	112/178	508,370	118/229	58	118/229
Stutsman	725,140	83/178	83	84/178	998,042	104/229	114	104/229
Towner	84,846	124/178	10	124/178	84,846	160/229	10	160/229
Walsh	42,507	129/178	5	131/178	42,507	169/229	5	169/229
Ward	0		0		441	227/229	0	227/229
Wells	8,471,712	9/178	967	9/178	10,957,331	11/229	1,251	11/229
Williams	11,601	149/178	1	149/178	32,249	172/229	4	172/229
N. Dakota Total	53,877,352	3/17	6,150	3/17	73,131,592	3/17	8,348	3/17

A11. Oklahoma

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

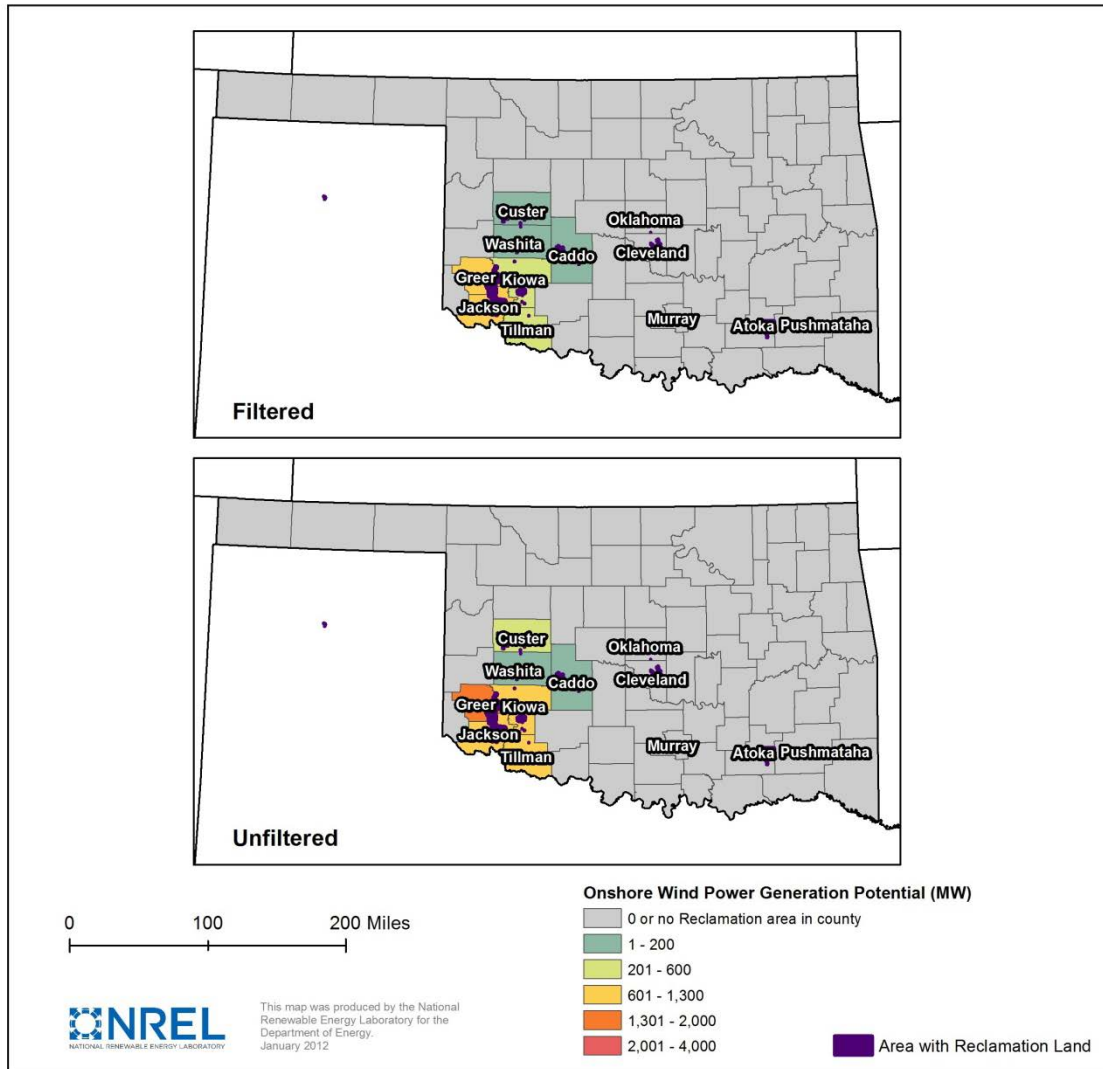


Figure A11-1. Oklahoma potential installed power from onshore wind

Table A11-1. Oklahoma Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Atoka	0		0		0		0	
Caddo	284,193	97/178	50	90/178	700,918	111/229	80	111/229
Cleveland	0		0		0		0	
Custer	219,547	104/178	25	106/178	2,716,490	68/229	310	68/229
Greer	7,603,367	10/178	922	10/178	12,903,730	10/229	1,473	10/229
Jackson	5,172,767	19/178	612	19/178	8,569,693	19/229	978	19/229
Kiowa	3,507,272	30/178	439	27/178	6,098,989	34/229	696	34/229
Murray	0		0		0		0	
Oklahoma	0		0		0		0	
Pushmataha	0		0		0		0	
Tillman	4,098,922	23/178	484	23/178	6,807,757	26/229	777	26/229
Washita	10,571	151/178	1	151/178	12,340	195/229	1	195/229
Oklahoma Total	20,896,639	5/17	2,534	5/17	37,809,917	5/17	4,316	5/17

A12. Oregon

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

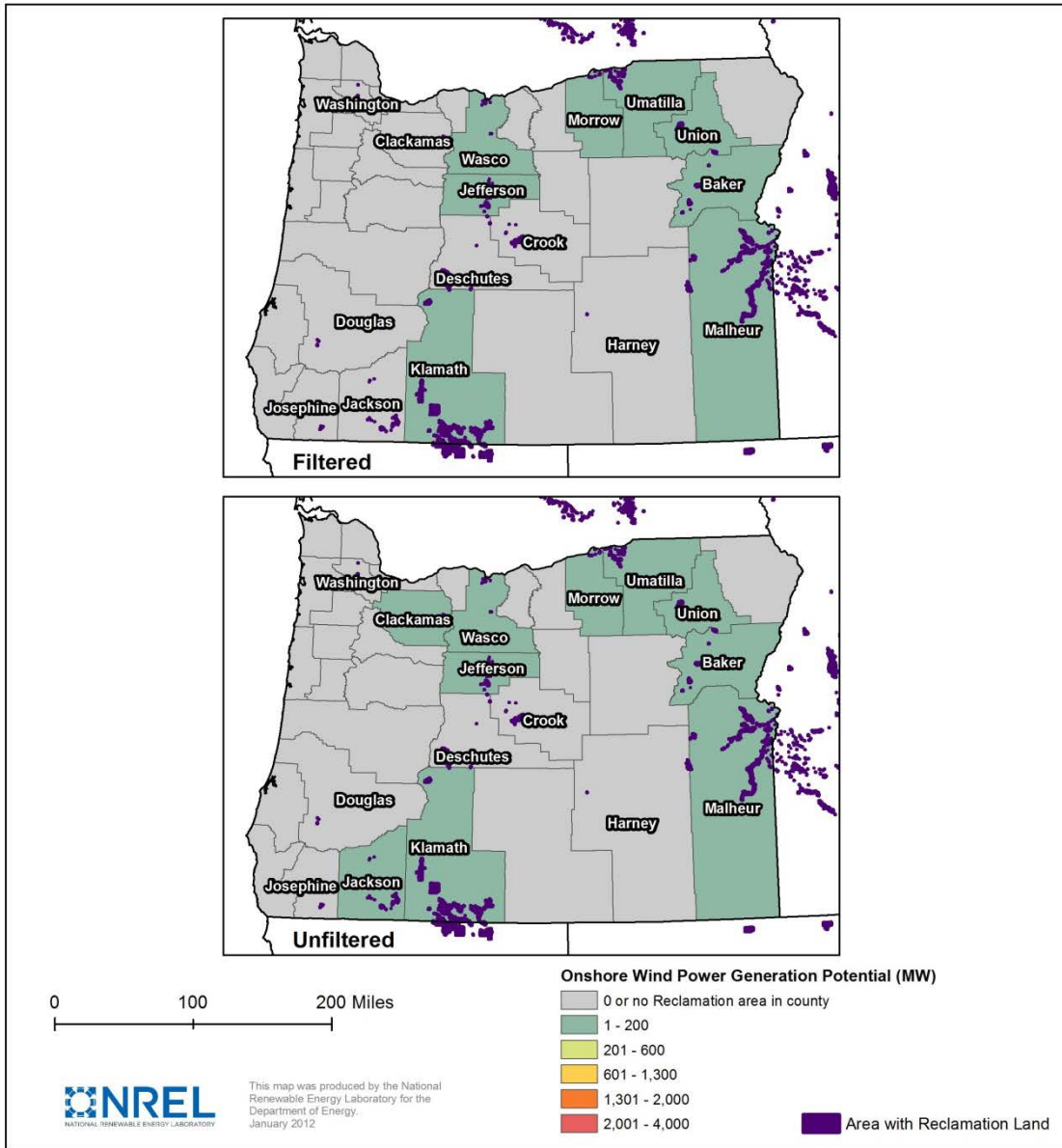


Figure A12-1. Oregon potential installed power from onshore wind

Table A12-1. Oregon Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Baker	112,964	116/178	13	119/178	129,573	148/229	15	148/229
Clackamas	0		0		11,018	197/229	1	197/229
Crook	0		0		0		0	
Deschutes	0		0		0		0	
Douglas	0		0		0		0	
Harney	0		0		0		0	
Jackson	0		0		12,391	194/229	1	194/229
Jefferson	1,193	169/178	0	167/178	8,782	201/229	1	201/229
Josephine	0		0		0		0	
Klamath	37	177/178	0	177/178	87,163	157/229	10	157/229
Malheur	36,545	130/178	4	132/178	104,917	154/229	12	154/229
Morrow	5,780	159/178	1	160/178	73,624	161/229	8	161/229
Umatilla	14,546	144/178	2	144/178	14,546	190/229	2	190/229
Union	112,964	116/178	13	119/178	129,573	148/229	15	148/229
Wasco	1,750	166/178	0	165/178	11,018	197/229	1	197/229
Washington	0		0		0		0	
Oregon Total	285,777	14/17	33	14/17	582,606	16/17	67	16/17

A13. South Dakota

No Reclamation areas met the minimum resource requirement for CSP or utility-scale PV.

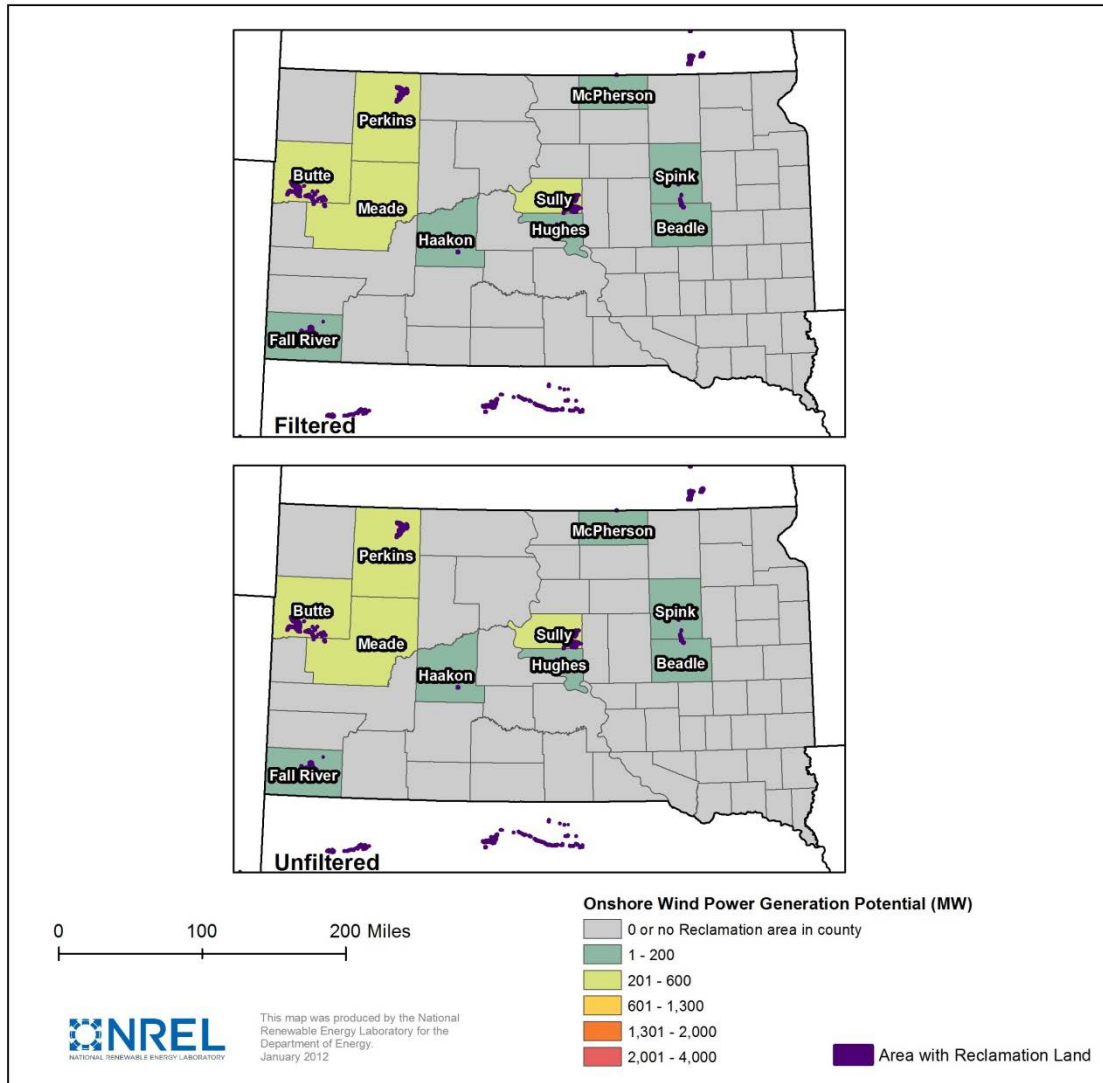


Figure A13-1. South Dakota potential installed power from onshore wind

Table A13-1. South Dakota Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Beadle	394,567	90/178	45	91/178	394,567	122/229	45	122/229
Butte	3,277,918	32/178	379	32/178	3,706,032	51/229	423	51/229
Fall River	292,294	96/178	40	95/178	389,297	124/229	44	124/229
Haakon	112,340	118/178	13	121/178	112,340	152/229	13	152/229
Hughes	844,448	78/178	96	80/178	986,040	105/229	113	105/229
McPherson	28,709	133/178	3	133/178	28,709	175/229	3	175/229
Meade	3,277,918	32/178	379	32/178	3,706,032	51/229	423	51/229
Perkins	1,251,408	63/178	257	53/178	2,476,795	72/229	283	72/229
Spink	394,567	90/178	45	91/178	394,567	122/229	45	122/229
Sully	2,351,697	45/178	268	49/178	2,351,697	76/229	268	76/229
South Dakota Total	12,225,868	7/17	1,527	6/17	14,546,076	11/17	1,661	11/17

A14. Texas

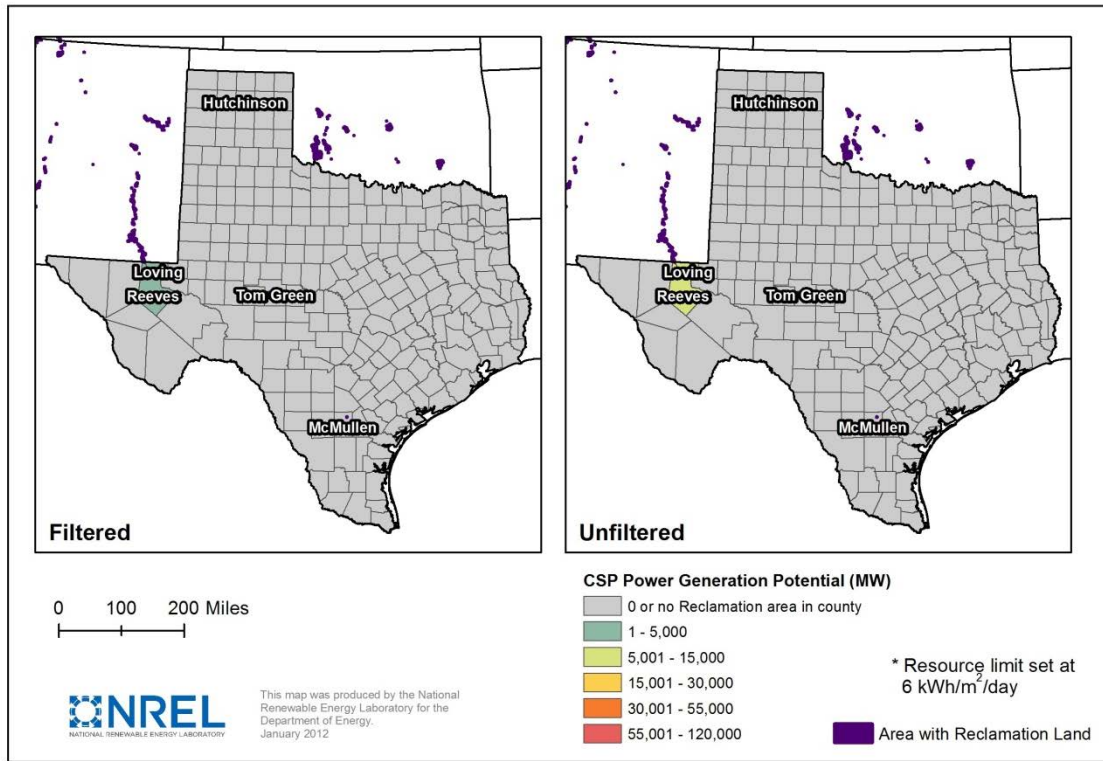


Figure A14-1. Texas potential installed power from CSP

Table A14-1. Kansas Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		CSP Unfiltered		CSP Filtered		CSP Unfiltered	
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Hutchinson	0		0		0		0	
Loving	15,397,480	13/63	4,547	15/63	26,197,752	29/83	7,919	28/83
McMullen	0		0		0		0	
Reeves	15,397,466	14/63	4,547	16/63	26,197,752	29/83	7,919	28/83
Tom Green	0		0		0		0	
Texas Total	30,794,947	6/8	9,094	6/8	52,395,504	7/8	15,838	7/8

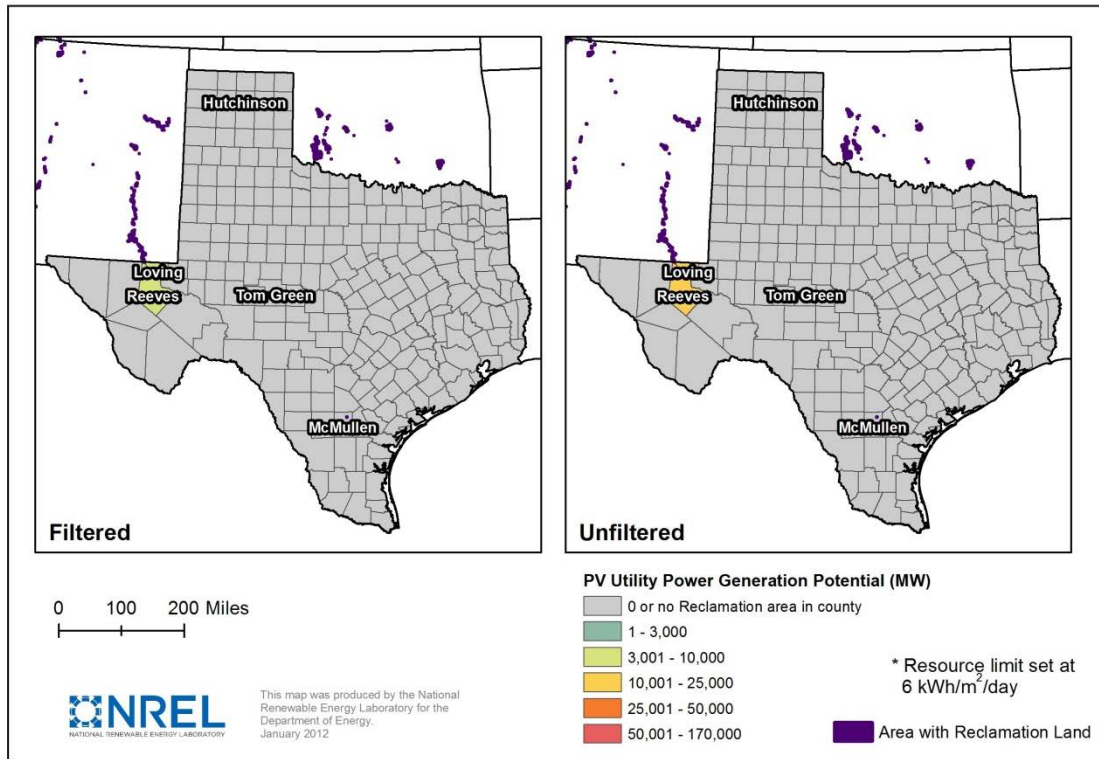


Figure A14-2. Texas potential installed power from utility-scale PV

Table A14-2. Texas Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	PV Utility Filtered		PV Utility Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Hutchinson	0		0		0		0	
Loving	15,276,310	10/42	6,635	10/42	26,605,798	21/52	11,555	21/52
McMullen	0		0		0		0	
Reeves	15,276,299	11/42	6,635	11/42	26,605,798	21/52	11,555	21/52
Tom Green	0		0		0		0	
Texas Total	30,552,609	5/7	13,269	5/7	53,211,595	6/7	23,110	6/7

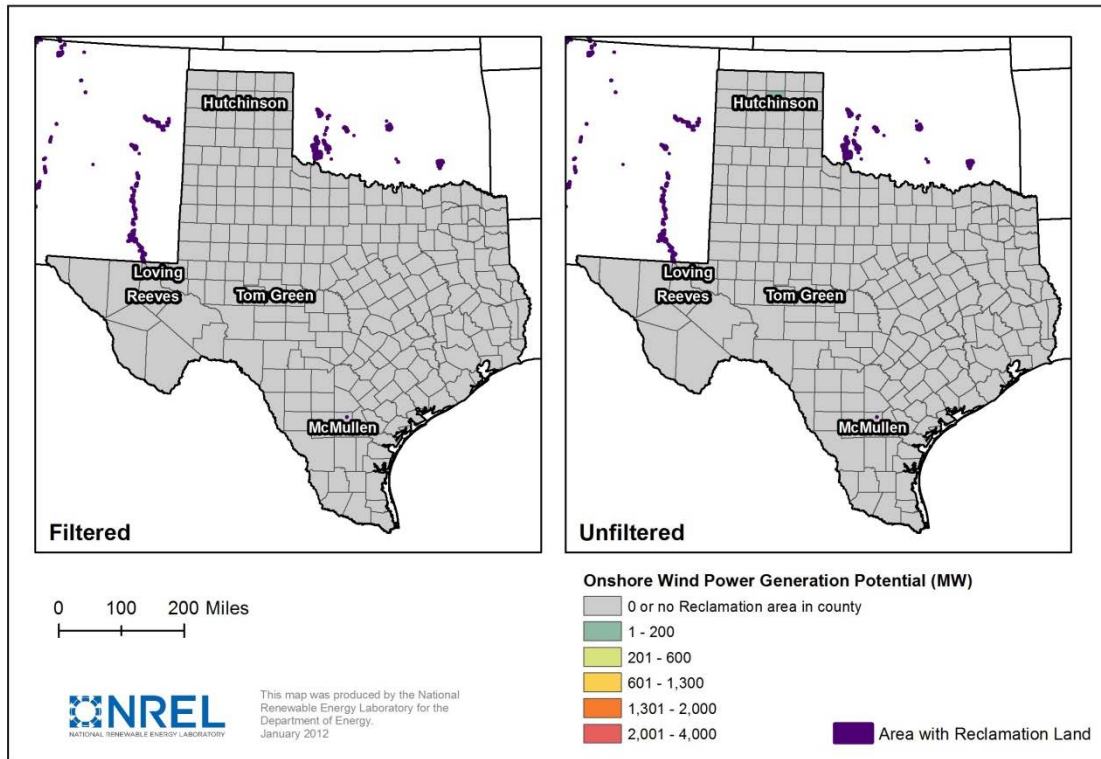


Figure A14-3. Texas potential installed power from onshore wind

Table A14-3. Texas Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr		MW		MWh/Yr		MW	
	Value	Rank	Value	Rank	Value	Rank	Value	Rank
Hutchinson	0		0		134,840	146/229	15	146/229
Loving	0		0		0		0	
McMullen	0		0		0		0	
Reeves	0		0		0		0	
Tom Green	0		0		0		0	
Texas Total	0		0		134,840	17/17	15	17/17

A15. Utah

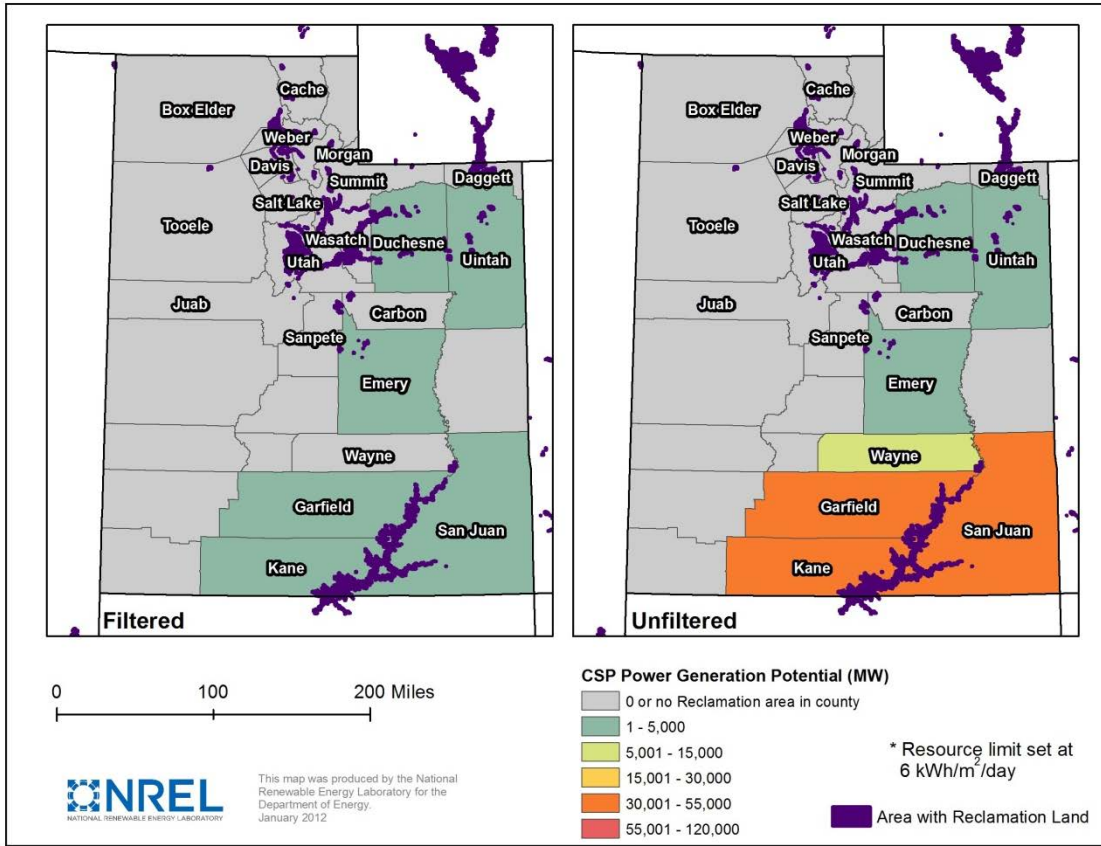


Figure A15-1. Utah potential installed power from CSP

Table A15-1. Utah Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		CSP Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Box Elder	0		0		0		0	
Cache	0		0		0		0	
Carbon	0		0		0		0	
Daggett	0		0		0		0	
Davis	0		0		0		0	
Duchesne	1,436,498	36/63	520	34/63	5,936,131	52/83	2,147	50/83
Emery	246,781	50/63	89	49/63	516,319	66/83	187	66/83
Garfield	742,191	44/63	215	43/63	146,602,578	16/83	42,557	16/83
Juab	0		0		0		0	
Kane	169,475	53/63	49	53/63	158,043,620	13/83	45,878	13/83
Morgan	0		0		0		0	
Salt Lake	0		0		0		0	
San Juan	12,945	62/63	4	62/63	158,043,620	13/83	45,878	13/83
Sanpete	0		0		0		0	
Summit	0		0		0		0	
Tooele	0		0		0		0	
Uintah	1,436,498	36/63	520	34/63	5,936,131	52/83	2,147	50/83
Utah	0		0		0		0	
Wasatch	0		0		0		0	
Wayne	0		0		26,339,642	28/83	7,646	32/83
Weber	0		0		0		0	
Utah Total	4,044,388	8/8	1,397	8/8	501,418,041	4/8	146,442	4/8

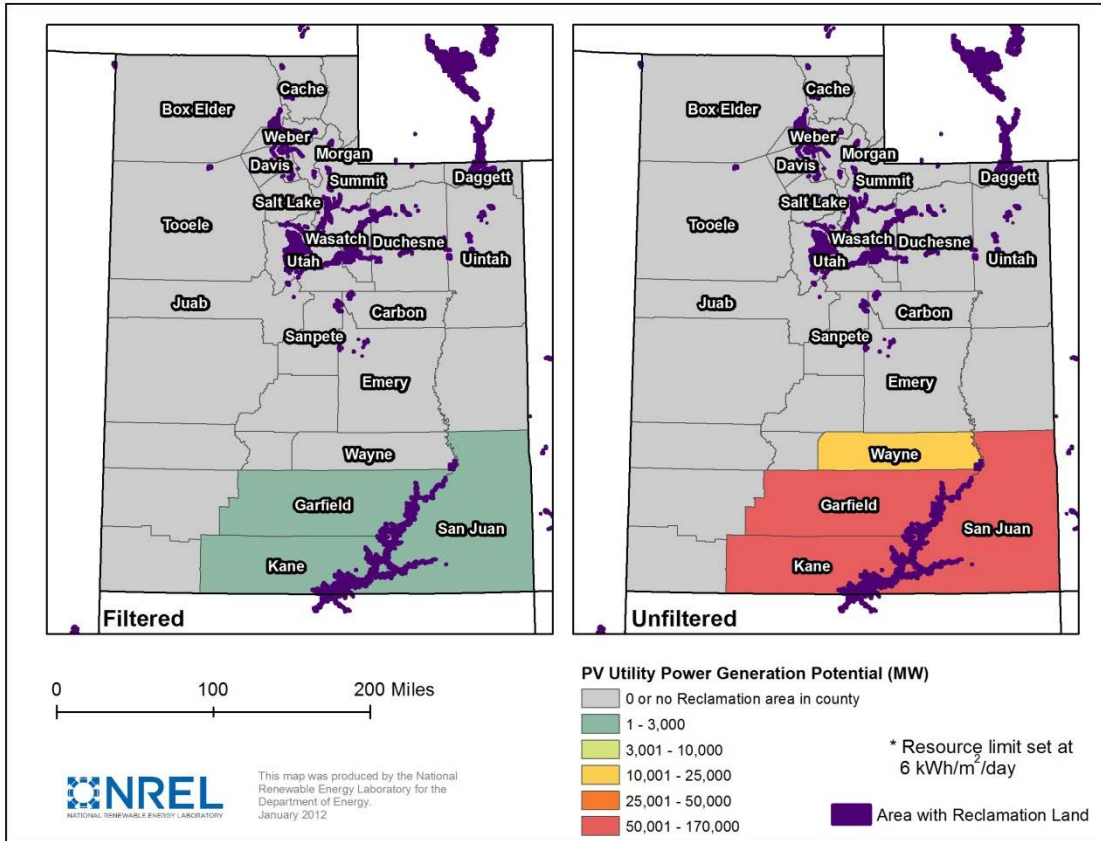


Figure A15-2. Utah potential installed power from utility-scale PV

Table A15-2. Utah Potential Installed Power and Generation Potential From Utility-Scale PV, With Rankings Across the Study Area

County	PV Utility Filtered				PV Utility Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Box Elder	0		0		0		0	
Cache	0		0		0		0	
Carbon	0		0		0		0	
Daggett	0		0		0		0	
Davis	0		0		0		0	
Duchesne	0		0		0		0	
Emery	0		0		0		0	
Garfield	681,946	30/42	314	29/42	134,702,839	12/52	62,099	12/52
Juab	0		0		0		0	
Kane	164,613	37/42	72	37/42	146,092,821	10/52	66,945	9/52
Morgan	0		0		0		0	
Salt Lake	0		0		0		0	
San Juan	11,894	42/42	5	42/42	146,092,821	10/52	66,945	9/52
Sanpete	0		0		0		0	
Summit	0		0		0		0	
Tooele	0		0		0		0	
Uintah	0		0		0		0	
Utah	0		0		0		0	
Wasatch	0		0		0		0	
Wayne	0		0		24,201,647	26/52	11,157	24/52
Weber	0		0		0		0	
Utah Total	858,453	7/7	392	7/7	451,090,128	3/7	207,146	3/7

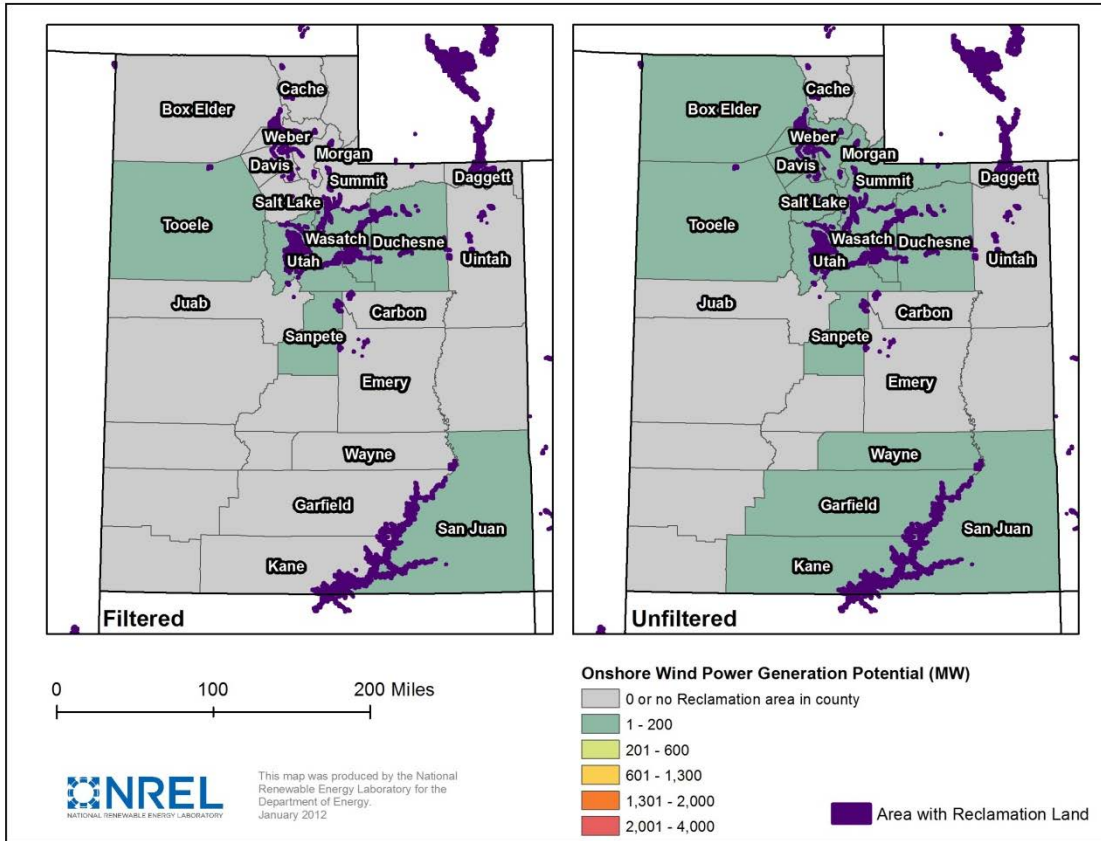


Figure A15-3. Utah potential installed power from onshore wind

Table A15-3. Utah Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Box Elder	0		0		210,022	143/229	24	143/229
Cache	0		0		0		0	
Carbon	0		0		0		0	
Daggett	0		0		0		0	
Davis	0		0		4,089	214/229	0	214/229
Duchesne	600	171/178	0	170/178	195,576	144/229	22	144/229
Emery	0		0		0		0	
Garfield	0		0		420,166	120/229	48	120/229
Juab	0		0		0		0	
Kane	0		0		40,560	170/229	5	170/229
Morgan	0		0		4,089	214/229	0	214/229
Salt Lake	0		0		290,871	133/229	33	133/229
San Juan	218	176/178	0	176/178	420,166	120/229	48	120/229
Sanpete	7,382	155/178	1	153/178	27,063	181/229	3	181/229
Summit	0		0		5	229/229	0	229/229
Tooele	8,325	154/178	1	156/178	31,411	174/229	4	174/229
Uintah	0		0		0		0	
Utah	21,626	139/178	2	139/178	637,821	113/229	73	113/229
Wasatch	2,091	164/178	0	163/178	633,989	114/229	72	114/229
Wayne	0		0		316,670	130/229	36	130/229
Weber	0		0		14,064	193/229	2	193/229
Utah Total	40,242	16/17	5	16/17	3,246,563	15/17	371	15/17

A16. Washington

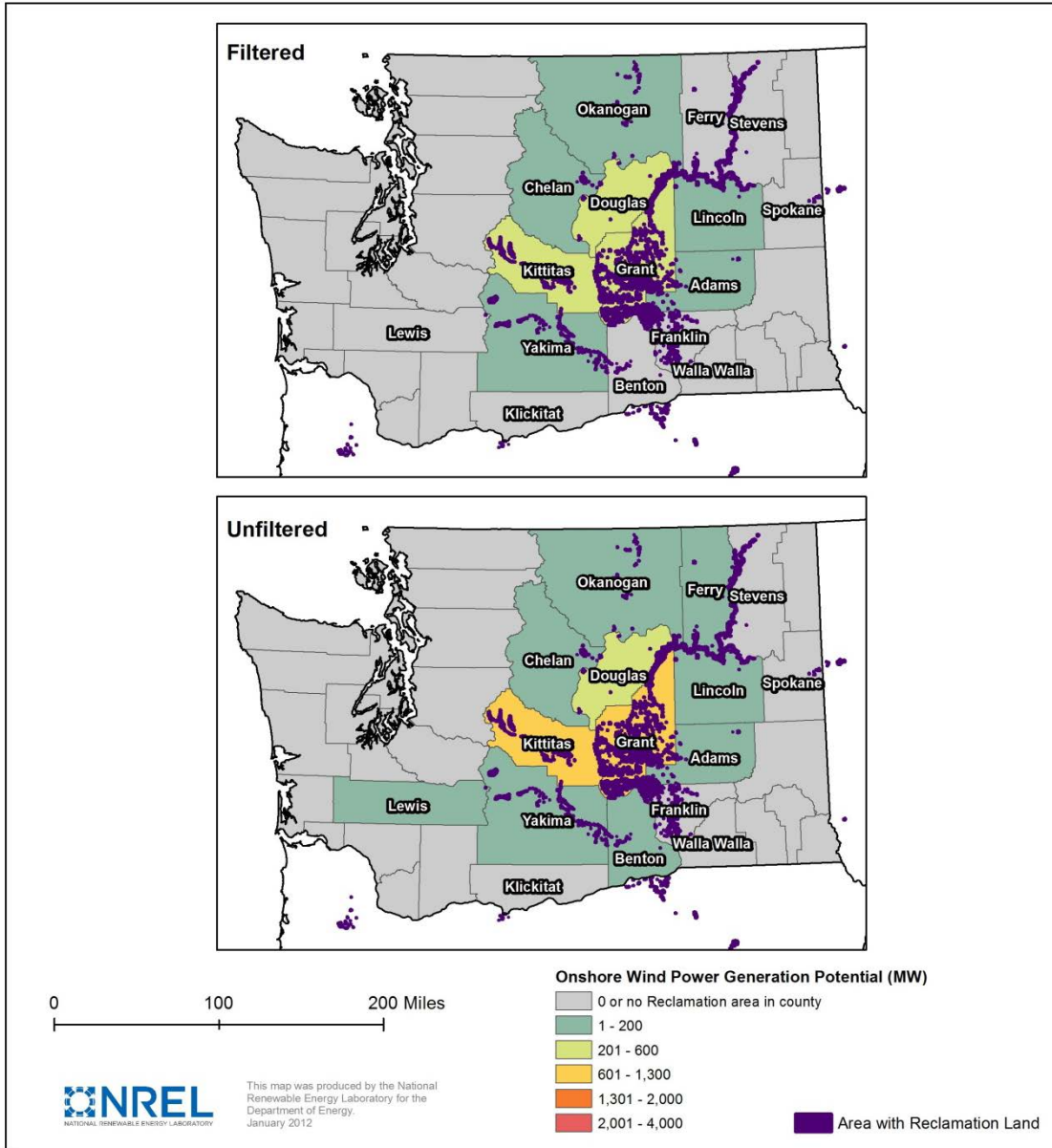


Figure A16-1. Washington potential installed power from onshore wind

Table A16-1. Washington Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered		MW		Onshore Wind Unfiltered		MW	
	MWh/Yr Value	Rank	Value	Rank	MWh/Yr Value	Rank	Value	Rank
Adams	18,861	140/178	2	140/178	49,181	168/229	6	168/229
Benton	0		0		7,577	202/229	1	202/229
Chelan	291	175/178	0	175/178	2,065	222/229	0	222/229
Douglas	2,961,992	37/178	344	37/178	4,080,544	44/229	466	44/229
Ferry	0		0		9,012	199/229	1	199/229
Franklin	0		0		0		0	
Grant	4,704,983	20/178	571	20/178	6,741,758	27/229	770	27/229
Kittitas	4,678,807	21/178	568	21/178	6,712,577	28/229	766	28/229
Klickitat	0		0		0		0	
Lewis	0		0		6,902	206/229	1	206/229
Lincoln	931	170/178	0	172/178	28,124	180/229	3	180/229
Okanogan	14,643	143/178	2	143/178	15,061	189/229	2	189/229
Spokane	0		0		0		0	
Stevens	0		0		0		0	
Walla Walla	0		0		0		0	
Yakima	33,417	131/178	5	130/178	389,080	125/229	44	125/229
Washington Total	12,413,926	6/17	1,493	7/17	18,041,882	10/17	2,060	10/17

A17. Wyoming

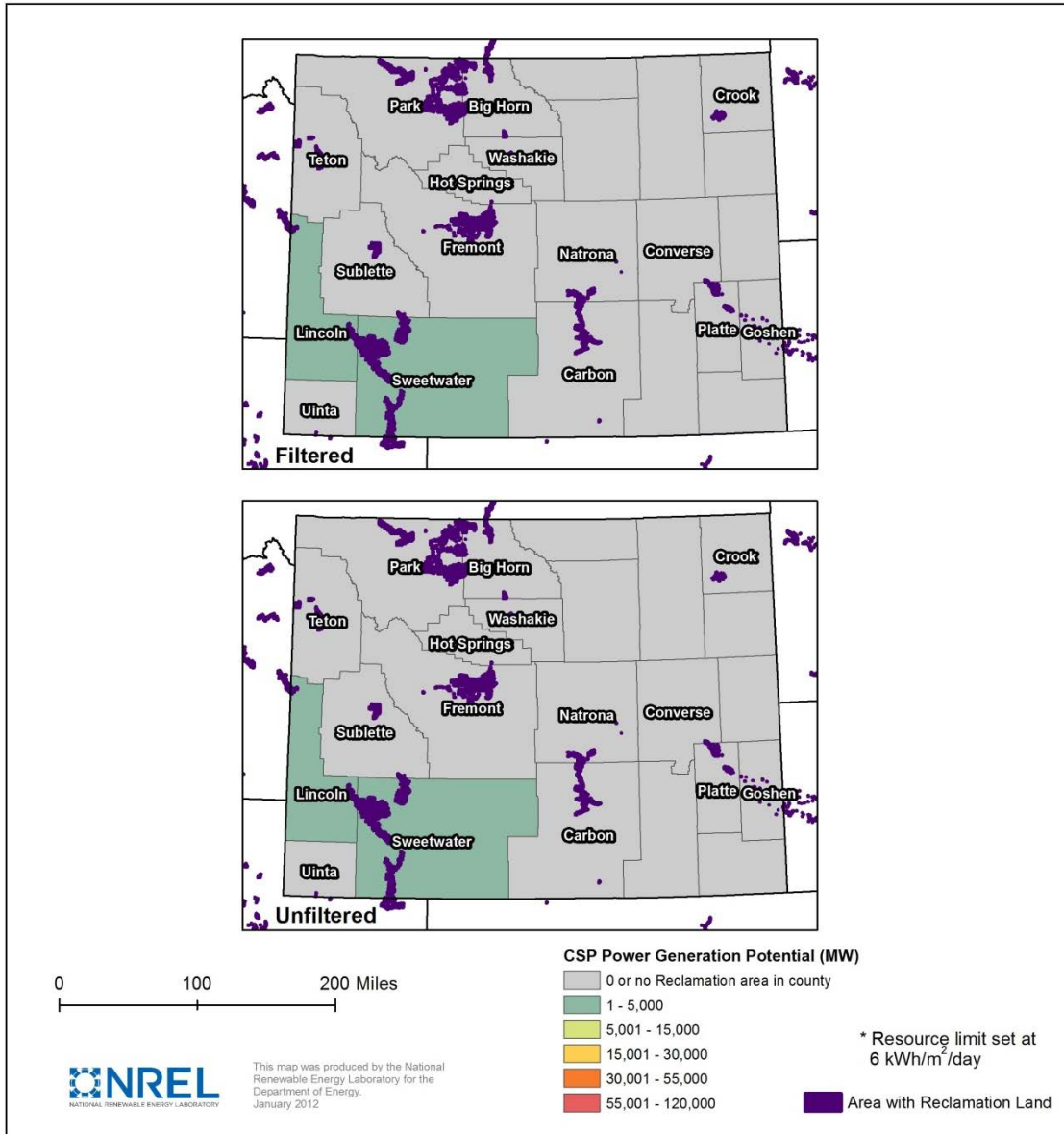


Figure A17-1. Wyoming potential installed power from CSP

Table A17-1. Wyoming Potential Installed Power and Generation Potential From CSP, With Rankings Across the Study Area

County	CSP Filtered		CSP Unfiltered					
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Big Horn	0		0		0		0	
Carbon	0		0		0		0	
Converse	0		0		0		0	
Crook	0		0		0		0	
Fremont	0		0		0		0	
Goshen	0		0		0		0	
Hot Springs	0		0		0		0	
Lincoln	5,324,379	20/63	1,926	18/63	8,768,213	46/83	3,172	45/83
Natrona	0		0		0		0	
Park	0		0		0		0	
Platte	0		0		0		0	
Sublette	0		0		0		0	
Sweetwater	5,324,379	20/63	1,926	18/63	8,768,213	46/83	3,172	45/83
Teton	0		0		0		0	
Uinta	0		0		0		0	
Washakie	0		0		0		0	
Wyoming Total	10,648,758	7/8	3,852	7/8	17,536,426	8/8	6,344	8/8

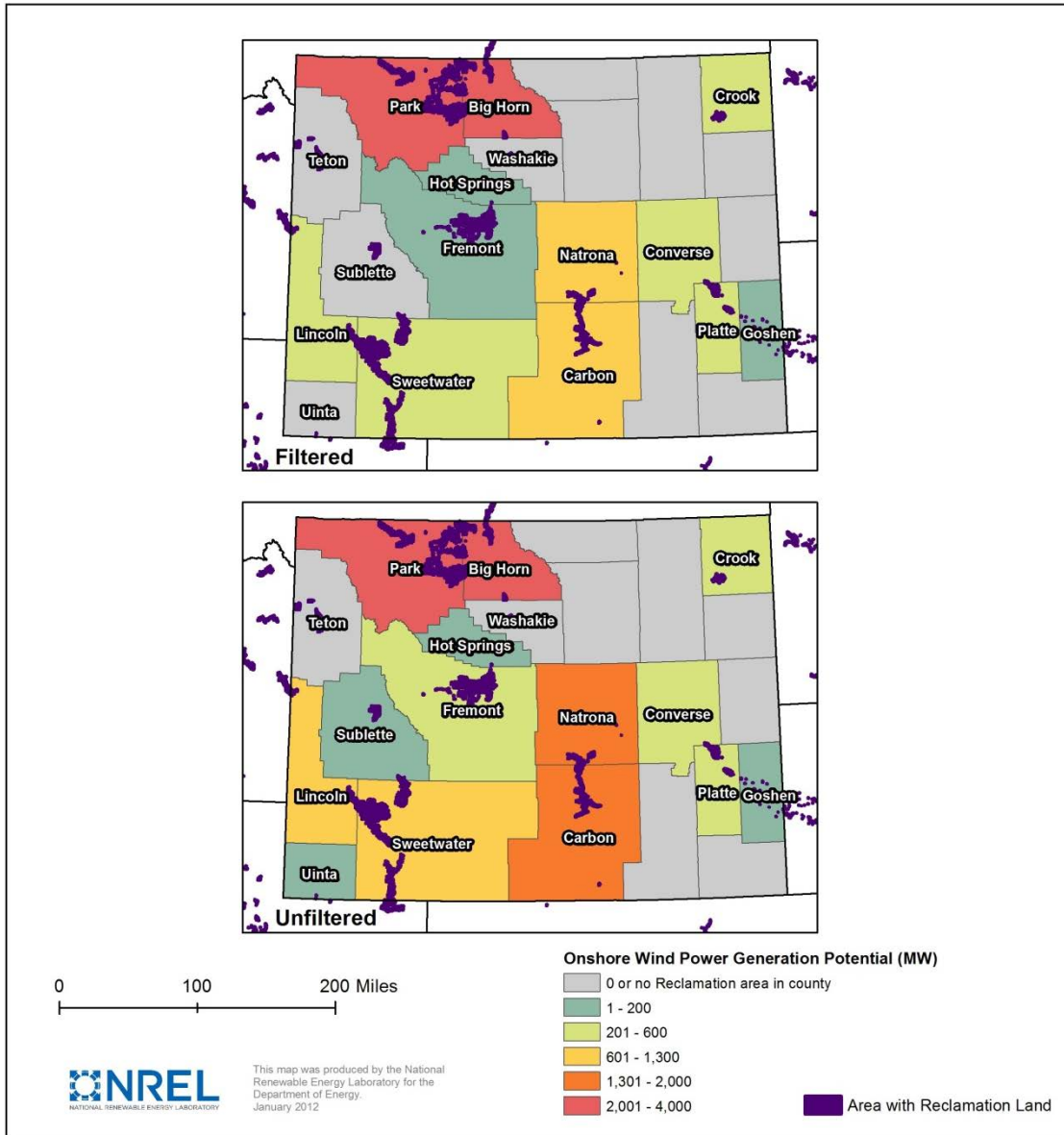


Figure A17-2. Wyoming potential installed power from onshore wind

Table A17-2. Wyoming Potential Installed Power and Generation Potential From Onshore Wind, With Rankings Across the Study Area

County	Onshore Wind Filtered				Onshore Wind Unfiltered			
	MWh/Yr Value	Rank	MW Value	Rank	MWh/Yr Value	Rank	MW Value	Rank
Big Horn	25,265,909	1/178	2,975	1/178	33,246,761	1/229	3,795	1/229
Carbon	9,936,982	6/178	1,152	6/178	17,313,075	4/229	1,976	4/229
Converse	3,719,273	24/178	425	28/178	4,626,014	40/229	528	40/229
Crook	2,366,599	44/178	270	48/178	2,379,664	75/229	272	75/229
Fremont	1,372,692	62/178	159	63/178	2,959,763	64/229	338	64/229
Goshen	811,369	80/178	93	81/178	1,481,391	88/229	169	88/229
Hot Springs	5,913	158/178	1	159/178	16,609	188/229	2	188/229
Lincoln	2,746,432	39/178	314	41/178	10,539,957	12/229	1,203	12/229
Natrona	9,936,982	6/178	1,152	6/178	17,313,075	4/229	1,976	4/229
Park	25,265,909	1/178	2,975	1/178	32,901,451	2/229	3,756	2/229
Platte	3,719,273	24/178	425	28/178	4,626,014	40/229	528	40/229
Sublette	0		0		155,113	145/229	18	145/229
Sweetwater	2,746,432	39/178	314	41/178	10,539,957	12/229	1,203	12/229
Teton	0		0		0		0	
Uinta	0		0		14,101	192/229	2	192/229
Washakie	0		0		0		0	
Wyoming Total	87,893,765	1/17	10,252	1/17	138,112,943	1/17	15,766	1/17

A18. Overall Bureau of Reclamation Tables

Table A18-1. Alphabetical Listing by County and State for All Counties in the Study Area With Some Bureau of Reclamation Areas of Interest for CSP Power Potential

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Cochise	Arizona	35	37	54	56
Coconino	Arizona	53	53	19	19
Gila	Arizona	27	28	11	11
Graham	Arizona	40	40	62	62
La Paz	Arizona	6	6	1	1
Maricopa	Arizona	7	7	9	9
Mohave	Arizona	42	44	2	2
Navajo	Arizona	56	56	71	71
Pima	Arizona	9	9	21	22
Pinal	Arizona	8	8	15	15
Yavapai	Arizona	48	48	18	17
Yuma	Arizona	5	5	12	12
Alameda	California				
Alpine	California			38	38
Amador	California				
Calaveras	California				
Colusa	California				
Contra Costa	California				
El Dorado	California	58	58	35	35
Fresno	California	41	41	41	39
Glenn	California				
Imperial	California	4	4	10	10
Kern	California				
Kings	California				
Lake	California				
Madera	California				
Mendocino	California				
Merced	California				
Modoc	California				
Mono	California			64	64
Napa	California				
Nevada	California	45	45	50	52
Placer	California	60	60	44	42
Riverside	California	11	11	17	18
Sacramento	California				
San Benito	California				
San Bernardino	California	18	20	2	2
San Joaquin	California				
Santa Barbara	California			25	25
Santa Clara	California				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Shasta	California				
Sierra	California			50	52
Siskiyou	California				
Solano	California				
Stanislaus	California				
Tehama	California			83	83
Trinity	California				
Tulare	California				
Tuolumne	California			82	82
Ventura	California	57	57	25	25
Yolo	California				
Yuba	California				
Alamosa	Colorado	38	38	61	61
Archuleta	Colorado	31	31	22	23
Chaffee	Colorado			69	70
Conejos	Colorado			60	60
Crowley	Colorado			70	69
Delta	Colorado	15	12	20	20
Dolores	Colorado	51	51	42	43
Eagle	Colorado				
El Paso	Colorado	63	63	73	73
Fremont	Colorado	29	29	39	40
Garfield	Colorado				
Grand	Colorado				
Gunnison	Colorado	55	55	34	31
La Plata	Colorado	31	31	33	34
Lake	Colorado			65	65
Larimer	Colorado				
Mesa	Colorado	59	59	68	67
Moffat	Colorado				
Montezuma	Colorado	43	42	42	43
Montrose	Colorado	15	12	24	21
Morgan	Colorado				
Ouray	Colorado				
Pitkin	Colorado				
Pueblo	Colorado	29	29	39	40
Saguache	Colorado	22	22	55	54
San Juan	Colorado			74	74
San Miguel	Colorado			76	76
Summit	Colorado				
Teller	Colorado			75	75
Weld	Colorado				
Yuma	Colorado				
Ada	Idaho				
Adams	Idaho				
Bannock	Idaho				
Bingham	Idaho				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Blaine	Idaho				
Boise	Idaho				
Bonneville	Idaho				
Butte	Idaho				
Camas	Idaho				
Canyon	Idaho				
Cassia	Idaho				
Elmore	Idaho				
Franklin	Idaho				
Fremont	Idaho				
Gem	Idaho				
Idaho	Idaho				
Jerome	Idaho				
Kootenai	Idaho				
Lincoln	Idaho				
Madison	Idaho				
Minidoka	Idaho				
Nez Perce	Idaho				
Owyhee	Idaho				
Payette	Idaho				
Power	Idaho				
Teton	Idaho				
Valley	Idaho				
Washington	Idaho				
Ellis	Kansas				
Jewell	Kansas				
Kingman	Kansas				
Mitchell	Kansas				
Norton	Kansas				
Osborne	Kansas				
Phillips	Kansas				
Reno	Kansas				
Republic	Kansas				
Rooks	Kansas				
Sedgwick	Kansas				
Smith	Kansas				
Trego	Kansas				
Beaverhead	Montana				
Big Horn	Montana				
Blaine	Montana				
Broadwater	Montana				
Carbon	Montana				
Cascade	Montana				
Chouteau	Montana				
Dawson	Montana				
Flathead	Montana				
Gallatin	Montana				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Glacier	Montana				
Hill	Montana				
Lewis and Clark	Montana				
Liberty	Montana				
Madison	Montana				
McCone	Montana				
Missoula	Montana				
Phillips	Montana				
Powell	Montana				
Prairie	Montana				
Richland	Montana				
Roosevelt	Montana				
Teton	Montana				
Toole	Montana				
Valley	Montana				
Yellowstone	Montana				
Brown	Nebraska				
Chase	Nebraska				
Cherry	Nebraska				
Dawes	Nebraska				
Fillmore	Nebraska				
Franklin	Nebraska				
Frontier	Nebraska				
Furnas	Nebraska				
Garfield	Nebraska				
Greeley	Nebraska				
Harlan	Nebraska				
Hayes	Nebraska				
Hitchcock	Nebraska				
Howard	Nebraska				
Keya Paha	Nebraska				
Loup	Nebraska				
Merrick	Nebraska				
Nance	Nebraska				
Nuckolls	Nebraska				
Red Willow	Nebraska				
Rock	Nebraska				
Scotts Bluff	Nebraska				
Sheridan	Nebraska				
Sioux	Nebraska				
Valley	Nebraska				
Webster	Nebraska				
Churchill	Nevada	1	1	6	6
Clark	Nevada	18	20	4	4
Douglas	Nevada	49	50	63	63
Elko	Nevada				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Humboldt	Nevada	28	25	57	57
Lander	Nevada	17	17	48	47
Lyon	Nevada	2	2	7	7
Mineral	Nevada			78	78
Pershing	Nevada	3	3	8	8
Storey	Nevada			32	33
Washoe	Nevada	10	10	5	5
Bernalillo	New Mexico			77	77
Catron	New Mexico			80	80
Chaves	New Mexico	26	27	49	49
De Baca	New Mexico	25	26	45	48
Dona Ana	New Mexico	61	61	79	79
Eddy	New Mexico	12	14	29	28
Guadalupe	New Mexico	34	36	56	55
Lincoln	New Mexico			81	81
Quay	New Mexico	46	46	58	58
Rio Arriba	New Mexico	47	47	27	27
San Juan	New Mexico	31	31	22	23
San Miguel	New Mexico	39	39	58	58
Santa Fe	New Mexico			72	72
Sierra	New Mexico	23	23	36	36
Socorro	New Mexico	23	23	36	36
Valencia	New Mexico	52	52	67	68
Benson	North Dakota				
Burleigh	North Dakota				
Cavalier	North Dakota				
Dickey	North Dakota				
Eddy	North Dakota				
Foster	North Dakota				
Grand Forks	North Dakota				
Grant	North Dakota				
Hettinger	North Dakota				
Kidder	North Dakota				
LaMoure	North Dakota				
McHenry	North Dakota				
McIntosh	North Dakota				
McKenzie	North Dakota				
McLean	North Dakota				
Mercer	North Dakota				
Nelson	North Dakota				
Oliver	North Dakota				
Pembina	North Dakota				
Ramsey	North Dakota				
Sargent	North Dakota				
Sheridan	North Dakota				
Stark	North Dakota				
Stutsman	North Dakota				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Towner	North Dakota				
Walsh	North Dakota				
Ward	North Dakota				
Wells	North Dakota				
Williams	North Dakota				
Atoka	Oklahoma				
Caddo	Oklahoma				
Cleveland	Oklahoma				
Custer	Oklahoma				
Greer	Oklahoma				
Jackson	Oklahoma				
Kiowa	Oklahoma				
Murray	Oklahoma				
Oklahoma	Oklahoma				
Pushmataha	Oklahoma				
Tillman	Oklahoma				
Washita	Oklahoma				
Baker	Oregon				
Clackamas	Oregon				
Crook	Oregon				
Deschutes	Oregon				
Douglas	Oregon				
Harney	Oregon				
Jackson	Oregon				
Jefferson	Oregon				
Josephine	Oregon				
Klamath	Oregon				
Malheur	Oregon				
Morrow	Oregon				
Umatilla	Oregon				
Union	Oregon				
Wasco	Oregon				
Washington	Oregon				
Beadle	South Dakota				
Butte	South Dakota				
Fall River	South Dakota				
Haakon	South Dakota				
Hughes	South Dakota				
McPherson	South Dakota				
Meade	South Dakota				
Perkins	South Dakota				
Spink	South Dakota				
Sully	South Dakota				
Hutchinson	Texas				
Loving	Texas	13	15	29	28
McMullen	Texas				
Reeves	Texas	14	16	29	28

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Tom Green	Texas				
Box Elder	Utah				
Cache	Utah				
Carbon	Utah				
Daggett	Utah				
Davis	Utah				
Duchesne	Utah	36	34	52	50
Emery	Utah	50	49	66	66
Garfield	Utah	44	43	16	16
Juab	Utah				
Kane	Utah	53	53	13	13
Morgan	Utah				
Salt Lake	Utah				
San Juan	Utah	62	62	13	13
Sanpete	Utah				
Summit	Utah				
Tooele	Utah				
Uintah	Utah	36	34	52	50
Utah	Utah				
Wasatch	Utah				
Wayne	Utah			28	32
Weber	Utah				
Adams	Washington				
Benton	Washington				
Chelan	Washington				
Douglas	Washington				
Ferry	Washington				
Franklin	Washington				
Grant	Washington				
Kittitas	Washington				
Klickitat	Washington				
Lewis	Washington				
Lincoln	Washington				
Okanogan	Washington				
Spokane	Washington				
Stevens	Washington				
Walla Walla	Washington				
Yakima	Washington				
Big Horn	Wyoming				
Carbon	Wyoming				
Converse	Wyoming				
Crook	Wyoming				
Fremont	Wyoming				
Goshen	Wyoming				
Hot Springs	Wyoming				
Lincoln	Wyoming	20	18	46	45
Natrona	Wyoming				

County	State	CSP Filtered Ranks		CSP Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Park	Wyoming				
Platte	Wyoming				
Sublette	Wyoming				
Sweetwater	Wyoming	20	18	46	45
Teton	Wyoming				
Uinta	Wyoming				
Washakie	Wyoming				

Table A18-2. Alphabetical Listing by County and State for all Counties in the Study Area With Some Bureau of Reclamation Areas of Interest for Utility-Scale PV Power Potential

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Cochise	Arizona	25	25	34	36
Coconino	Arizona	37	37	15	15
Gila	Arizona	19	19	7	7
Graham	Arizona	28	28	41	41
La Paz	Arizona	3	3	1	1
Maricopa	Arizona	4	4	5	5
Mohave	Arizona	29	30	2	2
Navajo	Arizona	39	39	45	45
Pima	Arizona	6	6	16	16
Pinal	Arizona	5	5	9	11
Yavapai	Arizona	32	32	13	13
Yuma	Arizona	2	2	8	8
Alameda	California				
Alpine	California				
Amador	California				
Calaveras	California				
Colusa	California				
Contra Costa	California				
El Dorado	California				
Fresno	California			32	32
Glenn	California				
Imperial	California	1	1	6	6
Kern	California				
Kings	California				
Lake	California				
Madera	California				
Mendocino	California				
Merced	California				
Modoc	California				
Mono	California				
Napa	California				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Nevada	California				
Placer	California				
Riverside	California	8	8	14	14
Sacramento	California				
San Benito	California				
San Bernardino	California	12	12	2	2
San Joaquin	California				
Santa Barbara	California			19	19
Santa Clara	California				
Shasta	California				
Sierra	California				
Siskiyou	California				
Solano	California				
Stanislaus	California				
Tehama	California				
Trinity	California				
Tulare	California				
Tuolumne	California				
Ventura	California			19	19
Yolo	California				
Yuba	California				
Alamosa	Colorado	26	26	39	39
Archuleta	Colorado	22	21	24	25
Chaffee	Colorado				
Conejos	Colorado				
Crowley	Colorado				
Delta	Colorado				
Dolores	Colorado				
Eagle	Colorado				
El Paso	Colorado				
Fremont	Colorado			40	40
Garfield	Colorado				
Grand	Colorado				
Gunnison	Colorado				
La Plata	Colorado	22	21	30	30
Lake	Colorado				
Larimer	Colorado				
Mesa	Colorado				
Moffat	Colorado				
Montezuma	Colorado	33	33	43	43
Montrose	Colorado				
Morgan	Colorado				
Ouray	Colorado				
Pitkin	Colorado				
Pueblo	Colorado	40	40	47	47

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Saguache	Colorado	14	14	36	34
San Juan	Colorado				
San Miguel	Colorado				
Summit	Colorado				
Teller	Colorado				
Weld	Colorado				
Yuma	Colorado				
Ada	Idaho				
Adams	Idaho				
Bannock	Idaho				
Bingham	Idaho				
Blaine	Idaho				
Boise	Idaho				
Bonneville	Idaho				
Butte	Idaho				
Camas	Idaho				
Canyon	Idaho				
Cassia	Idaho				
Elmore	Idaho				
Franklin	Idaho				
Fremont	Idaho				
Gem	Idaho				
Idaho	Idaho				
Jerome	Idaho				
Kootenai	Idaho				
Lincoln	Idaho				
Madison	Idaho				
Minidoka	Idaho				
Nez Perce	Idaho				
Owyhee	Idaho				
Payette	Idaho				
Power	Idaho				
Teton	Idaho				
Valley	Idaho				
Washington	Idaho				
Ellis	Kansas				
Jewell	Kansas				
Kingman	Kansas				
Mitchell	Kansas				
Norton	Kansas				
Osborne	Kansas				
Phillips	Kansas				
Reno	Kansas				
Republic	Kansas				
Rooks	Kansas				
Sedgwick	Kansas				
Smith	Kansas				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Trego	Kansas				
Beaverhead	Montana				
Big Horn	Montana				
Blaine	Montana				
Broadwater	Montana				
Carbon	Montana				
Cascade	Montana				
Chouteau	Montana				
Dawson	Montana				
Flathead	Montana				
Gallatin	Montana				
Glacier	Montana				
Hill	Montana				
Lewis and Clark	Montana				
Liberty	Montana				
Madison	Montana				
McCone	Montana				
Missoula	Montana				
Phillips	Montana				
Powell	Montana				
Prairie	Montana				
Richland	Montana				
Roosevelt	Montana				
Teton	Montana				
Toole	Montana				
Valley	Montana				
Yellowstone	Montana				
Brown	Nebraska				
Chase	Nebraska				
Cherry	Nebraska				
Dawes	Nebraska				
Fillmore	Nebraska				
Franklin	Nebraska				
Frontier	Nebraska				
Furnas	Nebraska				
Garfield	Nebraska				
Greeley	Nebraska				
Harlan	Nebraska				
Hayes	Nebraska				
Hitchcock	Nebraska				
Howard	Nebraska				
Keya Paha	Nebraska				
Loup	Nebraska				
Merrick	Nebraska				
Nance	Nebraska				
Nuckolls	Nebraska				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Red Willow	Nebraska				
Rock	Nebraska				
Scotts Bluff	Nebraska				
Sheridan	Nebraska				
Sioux	Nebraska				
Valley	Nebraska				
Webster	Nebraska				
Churchill	Nevada	7	7	17	17
Clark	Nevada	12	12	4	4
Douglas	Nevada	34	34	42	42
Elko	Nevada				
Humboldt	Nevada				
Lander	Nevada				
Lyon	Nevada	20	20	17	17
Mineral	Nevada			49	49
Pershing	Nevada				
Storey	Nevada				
Washoe	Nevada				
Bernalillo	New Mexico			48	48
Catron	New Mexico			51	51
Chaves	New Mexico	18	18	33	33
De Baca	New Mexico	17	17	31	31
Dona Ana	New Mexico	41	41	50	50
Eddy	New Mexico	9	9	21	21
Guadalupe	New Mexico	21	24	35	35
Lincoln	New Mexico			52	52
Quay	New Mexico	31	31	37	37
Rio Arriba	New Mexico	35	35	27	27
San Juan	New Mexico	22	21	24	25
San Miguel	New Mexico	27	27	37	37
Santa Fe	New Mexico			46	46
Sierra	New Mexico	15	15	28	28
Socorro	New Mexico	15	15	28	28
Valencia	New Mexico	36	36	44	44
Benson	North Dakota				
Burleigh	North Dakota				
Cavalier	North Dakota				
Dickey	North Dakota				
Eddy	North Dakota				
Foster	North Dakota				
Grand Forks	North Dakota				
Grant	North Dakota				
Hettinger	North Dakota				
Kidder	North Dakota				
LaMoure	North Dakota				
McHenry	North Dakota				
McIntosh	North Dakota				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
McKenzie	North Dakota				
McLean	North Dakota				
Mercer	North Dakota				
Nelson	North Dakota				
Oliver	North Dakota				
Pembina	North Dakota				
Ramsey	North Dakota				
Sargent	North Dakota				
Sheridan	North Dakota				
Stark	North Dakota				
Stutsman	North Dakota				
Towner	North Dakota				
Walsh	North Dakota				
Ward	North Dakota				
Wells	North Dakota				
Williams	North Dakota				
Atoka	Oklahoma				
Caddo	Oklahoma				
Cleveland	Oklahoma				
Custer	Oklahoma				
Greer	Oklahoma				
Jackson	Oklahoma				
Kiowa	Oklahoma				
Murray	Oklahoma				
Oklahoma	Oklahoma				
Pushmataha	Oklahoma				
Tillman	Oklahoma				
Washita	Oklahoma				
Baker	Oregon				
Clackamas	Oregon				
Crook	Oregon				
Deschutes	Oregon				
Douglas	Oregon				
Harney	Oregon				
Jackson	Oregon				
Jefferson	Oregon				
Josephine	Oregon				
Klamath	Oregon				
Malheur	Oregon				
Morrow	Oregon				
Umatilla	Oregon				
Union	Oregon				
Wasco	Oregon				
Washington	Oregon				
Beadle	South Dakota				
Butte	South Dakota				
Fall River	South Dakota				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Haakon	South Dakota				
Hughes	South Dakota				
McPherson	South Dakota				
Meade	South Dakota				
Perkins	South Dakota				
Spink	South Dakota				
Sully	South Dakota				
Hutchinson	Texas				
Loving	Texas	10	10	21	21
McMullen	Texas				
Reeves	Texas	11	11	21	21
Tom Green	Texas				
Box Elder	Utah				
Cache	Utah				
Carbon	Utah				
Daggett	Utah				
Davis	Utah				
Duchesne	Utah				
Emery	Utah				
Garfield	Utah	30	29	12	12
Juab	Utah				
Kane	Utah	37	37	10	9
Morgan	Utah				
Salt Lake	Utah				
San Juan	Utah	42	42	10	9
Sanpete	Utah				
Summit	Utah				
Tooele	Utah				
Uintah	Utah				
Utah	Utah				
Wasatch	Utah				
Wayne	Utah			26	24
Weber	Utah				
Adams	Washington				
Benton	Washington				
Chelan	Washington				
Douglas	Washington				
Ferry	Washington				
Franklin	Washington				
Grant	Washington				
Kittitas	Washington				
Klickitat	Washington				
Lewis	Washington				
Lincoln	Washington				
Okanogan	Washington				
Spokane	Washington				
Stevens	Washington				

County	State	PV Utility Filtered Ranks		PV Utility Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Walla Walla	Washington				
Yakima	Washington				
Big Horn	Wyoming				
Carbon	Wyoming				
Converse	Wyoming				
Crook	Wyoming				
Fremont	Wyoming				
Goshen	Wyoming				
Hot Springs	Wyoming				
Lincoln	Wyoming				
Natrona	Wyoming				
Park	Wyoming				
Platte	Wyoming				
Sublette	Wyoming				
Sweetwater	Wyoming				
Teton	Wyoming				
Uinta	Wyoming				
Washakie	Wyoming				

Table A18-3. Alphabetical Listing by County and State for All Counties in the Study Area With Some Bureau of Reclamation Areas of Interest for Onshore Wind Power Potential

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Cochise	Arizona	145	145	158	158
Coconino	Arizona			185	185
Gila	Arizona			184	184
Graham	Arizona				
La Paz	Arizona			155	155
Maricopa	Arizona	138	138	53	53
Mohave	Arizona	127	127	3	3
Navajo	Arizona	126	126	165	165
Pima	Arizona				
Pinal	Arizona	87	87	53	53
Yavapai	Arizona			164	164
Yuma	Arizona				
Alameda	California	108	108	126	126
Alpine	California			106	106
Amador	California				
Calaveras	California				
Colusa	California				
Contra Costa	California			183	183
El Dorado	California	168	166	106	106

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Fresno	California				
Glenn	California				
Imperial	California	100	94	103	103
Kern	California				
Kings	California				
Lake	California				
Madera	California				
Mendocino	California				
Merced	California	51	51	49	49
Modoc	California			167	167
Mono	California			162	162
Napa	California				
Nevada	California				
Placer	California				
Riverside	California	132	129	132	132
Sacramento	California				
San Benito	California				
San Bernardino	California	86	86	16	16
San Joaquin	California	108	108	126	126
Santa Barbara	California			42	42
Santa Clara	California	51	51	49	49
Shasta	California	121	113	92	92
Sierra	California	146	146	156	156
Siskiyou	California			178	178
Solano	California	99	101	112	112
Stanislaus	California	173	173	207	207
Tehama	California	172	171	225	225
Trinity	California	121	113	92	92
Tulare	California				
Tuolumne	California			213	213
Ventura	California			42	42
Yolo	California				
Yuba	California				
Alamosa	Colorado				
Archuleta	Colorado				
Chaffee	Colorado			171	171
Conejos	Colorado			139	139
Crowley	Colorado				
Delta	Colorado				
Dolores	Colorado				
Eagle	Colorado			163	163
El Paso	Colorado				
Fremont	Colorado	81	82	81	81
Garfield	Colorado				

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Grand	Colorado				
Gunnison	Colorado			209	209
La Plata	Colorado				
Lake	Colorado			116	116
Larimer	Colorado	89	89	108	108
Mesa	Colorado			221	221
Moffat	Colorado				
Montezuma	Colorado				
Montrose	Colorado			224	224
Morgan	Colorado				
Ouray	Colorado				
Pitkin	Colorado			116	116
Pueblo	Colorado	81	82	81	81
Saguache	Colorado				
San Juan	Colorado			217	217
San Miguel	Colorado				
Summit	Colorado	174	174	208	208
Teller	Colorado				
Weld	Colorado				
Yuma	Colorado	84	75	89	89
Ada	Idaho	125	125	32	32
Adams	Idaho				
Bannock	Idaho	48	40	46	46
Bingham	Idaho	71	66	74	74
Blaine	Idaho				
Boise	Idaho				
Bonneville	Idaho	119	110	131	131
Butte	Idaho				
Camas	Idaho				
Canyon	Idaho	94	97	73	73
Cassia	Idaho				
Elmore	Idaho	67	70	32	32
Franklin	Idaho				
Fremont	Idaho				
Gem	Idaho				
Idaho	Idaho				
Jerome	Idaho	106	103	137	137
Kootenai	Idaho			211	211
Lincoln	Idaho	152	154	200	200
Madison	Idaho	167	169	220	220
Minidoka	Idaho	106	103	137	137
Nez Perce	Idaho				
Owyhee	Idaho	94	97	20	20
Payette	Idaho				
Power	Idaho	47	38	45	45
Teton	Idaho	160	152	196	196

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Valley	Idaho			182	182
Washington	Idaho				
Ellis	Kansas	137	137	166	166
Jewell	Kansas	49	54	56	56
Kingman	Kansas	128	128	60	60
Mitchell	Kansas	57	56	36	36
Norton	Kansas	60	60	83	83
Osborne	Kansas	57	56	36	36
Phillips	Kansas	153	155	77	77
Reno	Kansas	66	64	60	60
Republic	Kansas	147	147	191	191
Rooks	Kansas	70	67	90	90
Sedgwick	Kansas			60	60
Smith	Kansas	141	141	186	186
Trego	Kansas	43	43	67	67
Beaverhead	Montana	98	100	128	128
Big Horn	Montana			86	86
Blaine	Montana	17	16	24	24
Broadwater	Montana	148	148	109	109
Carbon	Montana			31	31
Cascade	Montana	101	99	134	134
Chouteau	Montana	8	8	17	17
Dawson	Montana	142	142	187	187
Flathead	Montana			150	150
Gallatin	Montana				
Glacier	Montana	79	74	97	97
Hill	Montana	3	3	7	7
Lewis and Clark	Montana	28	24	29	29
Liberty	Montana	4	4	6	6
Madison	Montana				
McCone	Montana				
Missoula	Montana				
Phillips	Montana	14	14	22	22
Powell	Montana				
Prairie	Montana	178	178	228	228
Richland	Montana	68	71	79	79
Roosevelt	Montana				
Teton	Montana	28	24	29	29
Toole	Montana	18	18	18	18
Valley	Montana	15	15	23	23
Yellowstone	Montana	120	122	153	153
Brown	Nebraska	53	44	65	65
Chase	Nebraska	72	76	102	102
Cherry	Nebraska	54	45	66	66
Dawes	Nebraska	75	72	100	100

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Fillmore	Nebraska	135	135	177	177
Franklin	Nebraska	41	46	69	69
Frontier	Nebraska	38	39	59	59
Furnas	Nebraska	36	36	55	55
Garfield	Nebraska	22	22	39	39
Greeley	Nebraska	26	26	48	48
Harlan	Nebraska	41	46	69	69
Hayes	Nebraska	59	61	80	80
Hitchcock	Nebraska	46	50	63	63
Howard	Nebraska	69	65	96	96
Keya Paha	Nebraska				
Loup	Nebraska	55	58	71	71
Merrick	Nebraska				
Nance	Nebraska	102	102	135	135
Nuckolls	Nebraska	49	54	56	56
Red Willow	Nebraska	13	13	21	21
Rock	Nebraska	88	88	115	115
Scotts Bluff	Nebraska	77	79	87	87
Sheridan	Nebraska	75	72	100	100
Sioux	Nebraska	85	85	91	91
Valley	Nebraska	31	30	47	47
Webster	Nebraska	112	115	147	147
Churchill	Nevada	113	116	141	141
Clark	Nevada	162	162	9	9
Douglas	Nevada			226	226
Elko	Nevada				
Humboldt	Nevada			119	119
Lander	Nevada				
Lyon	Nevada	113	116	141	141
Mineral	Nevada				
Pershing	Nevada				
Storey	Nevada			212	212
Washoe	Nevada				
Bernalillo	New Mexico				
Catron	New Mexico			218	218
Chaves	New Mexico	161	161	210	210
De Baca	New Mexico	64	68	94	94
Dona Ana	New Mexico				
Eddy	New Mexico	61	62	84	84
Guadalupe	New Mexico	64	68	94	94
Lincoln	New Mexico	156	157	204	204
Quay	New Mexico	73	77	98	98
Rio Arriba	New Mexico			219	219
San Juan	New Mexico				
San Miguel	New Mexico	73	77	98	98
Santa Fe	New Mexico				

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Sierra	New Mexico				
Socorro	New Mexico				
Valencia	New Mexico				
Benson	North Dakota	27	31	35	35
Burleigh	North Dakota	11	11	14	14
Cavalier	North Dakota	105	107	136	136
Dickey	North Dakota	110	111	110	110
Eddy	North Dakota	16	17	25	25
Foster	North Dakota			203	203
Grand Forks	North Dakota	123	123	159	159
Grant	North Dakota	56	59	78	78
Hettinger	North Dakota	103	105	140	140
Kidder	North Dakota	34	34	58	58
LaMoure	North Dakota	115	118	151	151
McHenry	North Dakota	163	164	216	216
McIntosh	North Dakota	133	133	175	175
McKenzie	North Dakota	149	149	172	172
McLean	North Dakota	11	11	14	14
Mercer	North Dakota	157	158	205	205
Nelson	North Dakota	92	93	85	85
Oliver	North Dakota	165	168	223	223
Pembina	North Dakota	136	136	179	179
Ramsey	North Dakota	35	35	38	38
Sargent	North Dakota	93	96	129	129
Sheridan	North Dakota	5	5	8	8
Stark	North Dakota	111	112	118	118
Stutsman	North Dakota	83	84	104	104
Towner	North Dakota	124	124	160	160
Walsh	North Dakota	129	131	169	169
Ward	North Dakota			227	227
Wells	North Dakota	9	9	11	11
Williams	North Dakota	149	149	172	172
Atoka	Oklahoma				
Caddo	Oklahoma	97	90	111	111
Cleveland	Oklahoma				
Custer	Oklahoma	104	106	68	68
Greer	Oklahoma	10	10	10	10
Jackson	Oklahoma	19	19	19	19
Kiowa	Oklahoma	30	27	34	34
Murray	Oklahoma				
Oklahoma	Oklahoma				
Pushmataha	Oklahoma				
Tillman	Oklahoma	23	23	26	26
Washita	Oklahoma	151	151	195	195
Baker	Oregon	116	119	148	148
Clackamas	Oregon			197	197

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Crook	Oregon				
Deschutes	Oregon				
Douglas	Oregon				
Harney	Oregon				
Jackson	Oregon			194	194
Jefferson	Oregon	169	167	201	201
Josephine	Oregon				
Klamath	Oregon	177	177	157	157
Malheur	Oregon	130	132	154	154
Morrow	Oregon	159	160	161	161
Umatilla	Oregon	144	144	190	190
Union	Oregon	116	119	148	148
Wasco	Oregon	166	165	197	197
Washington	Oregon				
Beadle	South Dakota	90	91	122	122
Butte	South Dakota	32	32	51	51
Fall River	South Dakota	96	95	124	124
Haakon	South Dakota	118	121	152	152
Hughes	South Dakota	78	80	105	105
McPherson	South Dakota	133	133	175	175
Meade	South Dakota	32	32	51	51
Perkins	South Dakota	63	53	72	72
Spink	South Dakota	90	91	122	122
Sully	South Dakota	45	49	76	76
Hutchinson	Texas			146	146
Loving	Texas				
McMullen	Texas				
Reeves	Texas				
Tom Green	Texas				
Box Elder	Utah			143	143
Cache	Utah				
Carbon	Utah				
Daggett	Utah				
Davis	Utah			214	214
Duchesne	Utah	171	170	144	144
Emery	Utah				
Garfield	Utah			120	120

County	State	Onshore Wind Filtered Ranks		Onshore Wind Unfiltered Ranks	
		MW Hrs/Yr	MW	MW Hrs/Yr	MW
Juab	Utah				
Kane	Utah			170	170
Morgan	Utah			214	214
Salt Lake	Utah			133	133
San Juan	Utah	176	176	120	120
Sanpete	Utah	155	153	181	181
Summit	Utah			229	229
Tooele	Utah	154	156	174	174
Uintah	Utah				
Utah	Utah	139	139	113	113
Wasatch	Utah	164	163	114	114
Wayne	Utah			130	130
Weber	Utah			193	193
Adams	Washington	140	140	168	168
Benton	Washington			202	202
Chelan	Washington	175	175	222	222
Douglas	Washington	37	37	44	44
Ferry	Washington			199	199
Franklin	Washington				
Grant	Washington	20	20	27	27
Kittitas	Washington	21	21	28	28
Klickitat	Washington				
Lewis	Washington			206	206
Lincoln	Washington	170	172	180	180
Okanogan	Washington	143	143	189	189
Spokane	Washington				
Stevens	Washington				
Walla Walla	Washington				
Yakima	Washington	131	130	125	125
Big Horn	Wyoming	1	1	1	1
Carbon	Wyoming	6	6	4	4
Converse	Wyoming	24	28	40	40
Crook	Wyoming	44	48	75	75
Fremont	Wyoming	62	63	64	64
Goshen	Wyoming	80	81	88	88
Hot Springs	Wyoming	158	159	188	188
Lincoln	Wyoming	39	41	12	12
Natrona	Wyoming	6	6	4	4
Park	Wyoming	1	1	2	2
Platte	Wyoming	24	28	40	40
Sublette	Wyoming			145	145
Sweetwater	Wyoming	39	41	12	12
Teton	Wyoming				
Uinta	Wyoming			192	192
Washakie	Wyoming				

Table A18-4. MW-Ranked List of Counties for Counties in the Study Area With Some Bureau of Reclamation Areas of Interest With CSP Power Potential

CSP: Filtered		CSP: Unfiltered	
County	MW Rank	County	MW Rank
Churchill, NV	1	La Paz, AZ	1
Lyon, NV	2	Mohave, AZ	2
Pershing, NV	3	San Bernardino, CA	2
Imperial, CA	4	Clark, NV	4
Yuma, AZ	5	Washoe, NV	5
La Paz, AZ	6	Churchill, NV	6
Maricopa, AZ	7	Lyon, NV	7
Pinal, AZ	8	Pershing, NV	8
Pima, AZ	9	Maricopa, AZ	9
Washoe, NV	10	Imperial, CA	10
Riverside, CA	11	Gila, AZ	11
Delta, CO	12	Yuma, AZ	12
Montrose, CO	12	Kane, UT	13
Eddy, NM	14	San Juan, UT	13
Loving, TX	15	Pinal, AZ	15
Reeves, TX	16	Garfield, UT	16
Lander, NV	17	Yavapai, AZ	17
Lincoln, WY	18	Riverside, CA	18
Sweetwater, WY	18	Coconino, AZ	19
San Bernardino, CA	20	Delta, CO	20
Clark, NV	20	Montrose, CO	21
Saguache, CO	22	Pima, AZ	22
Sierra, NM	23	Archuleta, CO	23
Socorro, NM	23	San Juan, NM	23
Humboldt, NV	25	Santa Barbara, CA	25
De Baca, NM	26	Ventura, CA	25
Chaves, NM	27	Rio Arriba, NM	27
Gila, AZ	28	Eddy, NM	28
Fremont, CO	29	Loving, TX	28
Pueblo, CO	29	Reeves, TX	28
Archuleta, CO	31	Gunnison, CO	31
La Plata, CO	31	Wayne, UT	32
San Juan, NM	31	Storey, NV	33
Duchesne, UT	34	La Plata, CO	34
Uintah, UT	34	El Dorado, CA	35

CSP: Filtered		CSP: Unfiltered	
County	MW Rank	County	MW Rank
Guadalupe, NM	36	Sierra, NM	36
Cochise, AZ	37	Socorro, NM	36
Alamosa, CO	38	Alpine, CA	38
San Miguel, NM	39	Fresno, CA	39
Graham, AZ	40	Fremont, CO	40
Fresno, CA	41	Pueblo, CO	40
Montezuma, CO	42	Placer, CA	42
Garfield, UT	43	Dolores, CO	43
Mohave, AZ	44	Montezuma, CO	43
Nevada, CA	45	Lincoln, WY	45
Quay, NM	46	Sweetwater, WY	45
Rio Arriba, NM	47	Lander, NV	47
Yavapai, AZ	48	De Baca, NM	48
Emery, UT	49	Chaves, NM	49
Douglas, NV	50	Duchesne, UT	50
Dolores, CO	51	Uintah, UT	50
Valencia, NM	52	Nevada, CA	52
Coconino, AZ	53	Sierra, CA	52
Kane, UT	53	Saguache, CO	54
Gunnison, CO	55	Guadalupe, NM	55
Navajo, AZ	56	Cochise, AZ	56
Ventura, CA	57	Humboldt, NV	57
El Dorado, CA	58	Quay, NM	58
Mesa, CO	59	San Miguel, NM	58
Placer, CA	60	Conejos, CO	60
Dona Ana, NM	61	Alamosa, CO	61
San Juan, UT	62	Graham, AZ	62
El Paso, CO	63	Douglas, NV	63
		Mono, CA	64
		Lake, CO	65
		Emery, UT	66
		Mesa, CO	67
		Valencia, NM	68
		Crowley, CO	69
		Chaffee, CO	70
		Navajo, AZ	71
		Santa Fe, NM	72

CSP: Filtered		CSP: Unfiltered	
County	MW Rank	County	MW Rank
		El Paso, CO	73
		San Juan, CO	74
		Teller, CO	75
		San Miguel, CO	76
		Bernalillo, NM	77
		Mineral, NV	78
		Dona Ana, NM	79
		Catron, NM	80
		Lincoln, NM	81
		Tuolumne, CA	82
		Tehama, CA	83

Table A18-5. MW-Ranked List of Counties for Counties in the Study Area With Some Bureau of Reclamation Areas of Interest With Utility-Scale PV Power Potential

PV Utility: Filtered		PV Utility: Unfiltered	
County	MW Rank	County	MW Rank
Imperial, CA	1	La Paz, AZ	1
Yuma, AZ	2	Mohave, AZ	2
La Paz, AZ	3	San Bernardino, CA	2
Maricopa, AZ	4	Clark, NV	4
Pinal, AZ	5	Maricopa, AZ	5
Pima, AZ	6	Imperial, CA	6
Churchill, NV	7	Gila, AZ	7
Riverside, CA	8	Yuma, AZ	8
Eddy, NM	9	Kane, UT	9
Loving, TX	10	San Juan, UT	9
Reeves, TX	11	Pinal, AZ	11
San Bernardino, CA	12	Garfield, UT	12
Clark, NV	12	Yavapai, AZ	13
Saguache, CO	14	Riverside, CA	14
Sierra, NM	15	Coconino, AZ	15
Socorro, NM	15	Pima, AZ	16
De Baca, NM	17	Churchill, NV	17
Chaves, NM	18	Lyon, NV	17
Gila, AZ	19	Santa Barbara, CA	19
Lyon, NV	20	Ventura, CA	19
Archuleta, CO	21	Eddy, NM	21
La Plata, CO	21	Loving, TX	21
San Juan, NM	21	Reeves, TX	21
Guadalupe, NM	24	Wayne, UT	24
Cochise, AZ	25	Archuleta, CO	25
Alamosa, CO	26	San Juan, NM	25

PV Utility: Filtered		PV Utility: Unfiltered	
County	MW Rank	County	MW Rank
San Miguel, NM	27	Rio Arriba, NM	27
Graham, AZ	28	Sierra, NM	28
Garfield, UT	29	Socorro, NM	28
Mohave, AZ	30	La Plata, CO	30
Quay, NM	31	De Baca, NM	31
Yavapai, AZ	32	Fresno, CA	32
Montezuma, CO	33	Chaves, NM	33
Douglas, NV	34	Saguache, CO	34
Rio Arriba, NM	35	Guadalupe, NM	35
Valencia, NM	36	Cochise, AZ	36
Coconino, AZ	37	Quay, NM	37
Kane, UT	37	San Miguel, NM	37
Navajo, AZ	39	Alamosa, CO	39
Pueblo, CO	40	Fremont, CO	40
Dona Ana, NM	41	Graham, AZ	41
San Juan, UT	42	Douglas, NV	42
		Montezuma, CO	43
		Valencia, NM	44
		Navajo, AZ	45
		Santa Fe, NM	46
		Pueblo, CO	47
		Bernalillo, NM	48
		Mineral, NV	49
		Dona Ana, NM	50
		Catron, NM	51
		Lincoln, NM	52

Table A18-6. MW-Ranked List of Counties For Counties in the Study Area With Some Bureau of Reclamation Areas of Interest With Onshore Wind Power Potential

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
Big Horn, WY	1	Big Horn, WY	1
Park, WY	1	Park, WY	2
Hill, MT	3	Mohave, AZ	3
Liberty, MT	4	Carbon, WY	4
Sheridan, ND	5	Natrona, WY	4
Carbon, WY	6	Liberty, MT	6
Natrona, WY	6	Hill, MT	7
Chouteau, MT	8	Sheridan, ND	8
Wells, ND	9	Clark, NV	9
Greer, OK	10	Greer, OK	10
Burleigh, ND	11	Wells, ND	11
McLean, ND	11	Lincoln, WY	12
Red Willow, NE	13	Sweetwater, WY	12
Phillips, MT	14	Burleigh, ND	14
Valley, MT	15	McLean, ND	14
Blaine, MT	16	San Bernardino, CA	16

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
Eddy, ND	17	Chouteau, MT	17
Toole, MT	18	Toole, MT	18
Jackson, OK	19	Jackson, OK	19
Grant, WA	20	Owyhee, ID	20
Kittitas, WA	21	Red Willow, NE	21
Garfield, NE	22	Phillips, MT	22
Tillman, OK	23	Valley, MT	23
Lewis and Clark, MT	24	Blaine, MT	24
Teton, MT	24	Eddy, ND	25
Greeley, NE	26	Tillman, OK	26
Kiowa, OK	27	Grant, WA	27
Converse, WY	28	Kittitas, WA	28
Platte, WY	28	Lewis and Clark, MT	29
Valley, NE	30	Teton, MT	29
Benson, ND	31	Carbon, MT	31
Butte, SD	32	Ada, ID	32
Meade, SD	32	Elmore, ID	32
Kidder, ND	34	Kiowa, OK	34
Ramsey, ND	35	Benson, ND	35
Furnas, NE	36	Mitchell, KS	36
Douglas, WA	37	Osborne, KS	36
Power, ID	38	Ramsey, ND	38
Frontier, NE	39	Garfield, NE	39
Bannock, ID	40	Converse, WY	40
Lincoln, WY	41	Platte, WY	40
Sweetwater, WY	41	Santa Barbara, CA	42
Trego, KS	43	Ventura, CA	42
Brown, NE	44	Douglas, WA	44
Cherry, NE	45	Power, ID	45
Franklin, NE	46	Bannock, ID	46
Harlan, NE	46	Valley, NE	47
Crook, WY	48	Greeley, NE	48
Sully, SD	49	Merced, CA	49
Hitchcock, NE	50	Santa Clara, CA	49
Merced, CA	51	Butte, SD	51
Santa Clara, CA	51	Meade, SD	51
Perkins, SD	53	Maricopa, AZ	53
Jewell, KS	54	Pinal, AZ	53
Nuckolls, NE	54	Furnas, NE	55
Mitchell, KS	56	Jewell, KS	56
Osborne, KS	56	Nuckolls, NE	56
Loup, NE	58	Kidder, ND	58
Grant, ND	59	Frontier, NE	59
Norton, KS	60	Kingman, KS	60
Hayes, NE	61	Reno, KS	60
Eddy, NM	62	Sedgwick, KS	60
Fremont, WY	63	Hitchcock, NE	63

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
Reno, KS	64	Fremont, WY	64
Howard, NE	65	Brown, NE	65
Bingham, ID	66	Cherry, NE	66
Rooks, KS	67	Trego, KS	67
De Baca, NM	68	Custer, OK	68
Guadalupe, NM	68	Franklin, NE	69
Elmore, ID	70	Harlan, NE	69
Richland, MT	71	Loup, NE	71
Dawes, NE	72	Perkins, SD	72
Sheridan, NE	72	Canyon, ID	73
Glacier, MT	74	Bingham, ID	74
Yuma, CO	75	Crook, WY	75
Chase, NE	76	Sully, SD	76
Quay, NM	77	Phillips, KS	77
San Miguel, NM	77	Grant, ND	78
Scotts Bluff, NE	79	Richland, MT	79
Hughes, SD	80	Hayes, NE	80
Goshen, WY	81	Fremont, CO	81
Fremont, CO	82	Pueblo, CO	81
Pueblo, CO	82	Norton, KS	83
Stutsman, ND	84	Eddy, NM	84
Sioux, NE	85	Nelson, ND	85
San Bernardino, CA	86	Big Horn, MT	86
Pinal, AZ	87	Scotts Bluff, NE	87
Rock, NE	88	Goshen, WY	88
Larimer, CO	89	Yuma, CO	89
Caddo, OK	90	Rooks, KS	90
Beadle, SD	91	Sioux, NE	91
Spink, SD	91	Shasta, CA	92
Nelson, ND	93	Trinity, CA	92
Imperial, CA	94	De Baca, NM	94
Fall River, SD	95	Guadalupe, NM	94
Sargent, ND	96	Howard, NE	96
Canyon, ID	97	Glacier, MT	97
Owyhee, ID	97	Quay, NM	98
Cascade, MT	99	San Miguel, NM	98
Beaverhead, MT	100	Dawes, NE	100
Solano, CA	101	Sheridan, NE	100
Nance, NE	102	Chase, NE	102
Jerome, ID	103	Imperial, CA	103
Minidoka, ID	103	Stutsman, ND	104
Hettinger, ND	105	Hughes, SD	105
Custer, OK	106	Alpine, CA	106
Cavalier, ND	107	El Dorado, CA	106
Alameda, CA	108	Larimer, CO	108
San Joaquin, CA	108	Broadwater, MT	109
Bonneville, ID	110	Dickey, ND	110
Dickey, ND	111	Caddo, OK	111

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
Stark, ND	112	Solano, CA	112
Shasta, CA	113	Utah, UT	113
Trinity, CA	113	Wasatch, UT	114
Webster, NE	115	Rock, NE	115
Churchill, NV	116	Lake, CO	116
Lyon, NV	116	Pitkin, CO	116
LaMoure, ND	118	Stark, ND	118
Baker, OR	119	Humboldt, NV	119
Union, OR	119	Garfield, UT	120
Haakon, SD	121	San Juan, UT	120
Yellowstone, MT	122	Beadle, SD	122
Grand Forks, ND	123	Spink, SD	122
Towner, ND	124	Fall River, SD	124
Ada, ID	125	Yakima, WA	125
Navajo, AZ	126	Alameda, CA	126
Mohave, AZ	127	San Joaquin, CA	126
Kingman, KS	128	Beaverhead, MT	128
Riverside, CA	129	Sargent, ND	129
Yakima, WA	130	Wayne, UT	130
Walsh, ND	131	Bonneville, ID	131
Malheur, OR	132	Riverside, CA	132
McIntosh, ND	133	Salt Lake, UT	133
McPherson, SD	133	Cascade, MT	134
Fillmore, NE	135	Nance, NE	135
Pembina, ND	136	Cavalier, ND	136
Ellis, KS	137	Jerome, ID	137
Maricopa, AZ	138	Minidoka, ID	137
Utah, UT	139	Conejos, CO	139
Adams, WA	140	Hettinger, ND	140
Smith, KS	141	Churchill, NV	141
Dawson, MT	142	Lyon, NV	141
Okanogan, WA	143	Box Elder, UT	143
Umatilla, OR	144	Duchesne, UT	144
Cochise, AZ	145	Sublette, WY	145
Sierra, CA	146	Hutchinson, TX	146
Republic, KS	147	Webster, NE	147
Broadwater, MT	148	Baker, OR	148
McKenzie, ND	149	Union, OR	148
Williams, ND	149	Flathead, MT	150
Washita, OK	151	LaMoure, ND	151
Teton, ID	152	Haakon, SD	152
Sanpete, UT	153	Yellowstone, MT	153
Lincoln, ID	154	Malheur, OR	154
Phillips, KS	155	La Paz, AZ	155
Tooele, UT	156	Sierra, CA	156
Lincoln, NM	157	Klamath, OR	157
Mercer, ND	158	Cochise, AZ	158
Hot Springs, WY	159	Grand Forks, ND	159
Morrow, OR	160	Towner, ND	160

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
Chaves, NM	161	Morrow, OR	161
Clark, NV	162	Mono, CA	162
Wasatch, UT	163	Eagle, CO	163
McHenry, ND	164	Yavapai, AZ	164
Wasco, OR	165	Navajo, AZ	165
El Dorado, CA	166	Ellis, KS	166
Jefferson, OR	167	Modoc, CA	167
Oliver, ND	168	Adams, WA	168
Madison, ID	169	Walsh, ND	169
Duchesne, UT	170	Kane, UT	170
Tehama, CA	171	Chaffee, CO	171
Lincoln, WA	172	McKenzie, ND	172
Stanislaus, CA	173	Williams, ND	172
Summit, CO	174	Tooele, UT	174
Chelan, WA	175	McIntosh, ND	175
San Juan, UT	176	McPherson, SD	175
Klamath, OR	177	Fillmore, NE	177
Prairie, MT	178	Siskiyou, CA	178
		Pembina, ND	179
		Lincoln, WA	180
		Sanpete, UT	181
		Valley, ID	182
		Contra Costa, CA	183
		Gila, AZ	184
		Coconino, AZ	185
		Smith, KS	186
		Dawson, MT	187
		Hot Springs, WY	188
		Okanogan, WA	189
		Umatilla, OR	190
		Republic, KS	191
		Uinta, WY	192
		Weber, UT	193
		Jackson, OR	194
		Washita, OK	195
		Teton, ID	196
		Clackamas, OR	197
		Wasco, OR	197
		Ferry, WA	199
		Lincoln, ID	200
		Jefferson, OR	201
		Benton, WA	202
		Foster, ND	203
		Lincoln, NM	204
		Mercer, ND	205
		Lewis, WA	206
		Stanislaus, CA	207
		Summit, CO	208

Onshore Wind: Filtered		Onshore Wind: Unfiltered	
County	MW Rank	County	MW Rank
		Gunnison, CO	209
		Chaves, NM	210
		Kootenai, ID	211
		Storey, NV	212
		Tuolumne, CA	213
		Davis, UT	214
		Morgan, UT	214
		McHenry, ND	216
		San Juan, CO	217
		Catron, NM	218
		Rio Arriba, NM	219
		Madison, ID	220
		Mesa, CO	221
		Chelan, WA	222
		Oliver, ND	223
		Montrose, CO	224
		Tehama, CA	225
		Douglas, NV	226
		Ward, ND	227
		Prairie, MT	228
		Summit, UT	229

B. Facility-Level Data Extractions

B1. Facility-Level Solar and Daylighting Resources

Table B1-1. Solar Resource Data Extracted for Provided Reclamation Facility Locations

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0351000200B	Bullhead City	AZ	5.3	7.0	7.8	6.4
0351010700B	Bullhead City	AZ	5.3	7.0	7.8	6.4
0351011400B	Bullhead City	AZ	5.3	7.0	7.8	6.4
0351032500B	Bullhead City	AZ	5.3	7.0	7.8	6.4
0351032600B	Bullhead City	AZ	5.3	7.0	7.8	6.4
0423000100B	Ehrenberg	AZ	5.5	7.3	8.2	6.6
0423000200B	Ehrenberg	AZ	5.5	7.3	8.2	6.6
0423000300B	Ehrenberg	AZ	5.5	7.3	8.2	6.6
0423000400B	Ehrenberg	AZ	5.5	7.3	8.2	6.6
03446B1501B	Glendale	AZ	5.4	7.1	8.0	6.5
1510321502B	Glendale	AZ	5.4	7.1	8.0	6.5
1510321503B	Glendale	AZ	5.4	7.1	8.0	6.5
1510321504B	Glendale	AZ	5.4	7.1	8.0	6.5
1510321505B	Glendale	AZ	5.4	7.1	8.0	6.5
1510321506B	Glendale	AZ	5.4	7.1	8.0	6.5
0557000100B	Page	AZ	5.1	6.9	8.1	6.3
0557000200B	Page	AZ	5.3	7.1	8.2	6.3
0557000300B	Page	AZ	5.1	6.9	8.1	6.3
0557000400B	Page	AZ	5.3	7.1	8.2	6.3
0557000500B	Page	AZ	5.3	7.1	8.2	6.3
1292000200B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000300B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000400B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000600B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000700B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000800B	Yuma	AZ	5.3	7.0	8.1	6.5
1292000900B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001000B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001100B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001200B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001300B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001400B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001500B	Yuma	AZ	5.3	7.0	8.1	6.5

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
1292001600B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001700B	Yuma	AZ	5.3	7.0	8.1	6.5
1292001800B	Yuma	AZ	5.3	7.0	8.1	6.5
1292002300B	Yuma	AZ	5.3	7.0	8.1	6.5
1292002400B	Yuma	AZ	5.3	7.0	8.1	6.5
0725307100B	Arbuckle	CA	4.1	5.4	7.6	5.5
0725307200B	Arbuckle	CA	4.1	5.4	7.6	5.5
0725307300B	Arbuckle	CA	4.1	5.4	7.6	5.5
0725307400B	Arbuckle	CA	4.1	5.4	7.6	5.5
0725307500B	Arbuckle	CA	4.1	5.4	7.6	5.5
0725307600B	Arbuckle	CA	4.1	5.4	7.6	5.5
0214504800B	Byron	CA	3.9	5.2	7.8	5.5
0214504801B	Byron	CA	3.9	5.2	7.8	5.5
0214504802B	Byron	CA	3.9	5.2	7.8	5.5
0214504803B	Byron	CA	3.9	5.2	7.8	5.5
0214504804B	Byron	CA	3.9	5.2	7.8	5.5
0214504805B	Byron	CA	3.9	5.2	7.8	5.5
0214504806B	Byron	CA	3.9	5.2	7.8	5.5
0214504807B	Byron	CA	3.9	5.2	7.8	5.5
0214100501B	Channel Islands National PK	CA	3.9	5.1	7.6	5.7
0214100502B	Channel Islands National PK	CA	3.9	5.1	7.6	5.7
0214000100B	Folsom	CA	4.1	5.4	7.6	5.5
0214000200B	Folsom	CA	4.1	5.4	7.6	5.5
0214000300B	Folsom	CA	4.1	5.4	7.6	5.5
0214000400B	Folsom	CA	4.1	5.4	7.6	5.5
0214000500B	Folsom	CA	4.1	5.4	7.6	5.5
0214000600B	Folsom	CA	4.1	5.4	7.6	5.5
0214000800B	Folsom	CA	4.1	5.4	7.6	5.5
0214000900B	Folsom	CA	4.1	5.4	7.6	5.5
0214001000B	Folsom	CA	4.1	5.4	7.6	5.5
0214003500B	Folsom	CA	4.1	5.4	7.6	5.5
0214003700B	Folsom	CA	4.1	5.4	7.6	5.5
0214003900B	Folsom	CA	4.1	5.4	7.6	5.5
0214010211B	Folsom	CA	4.1	5.4	7.6	5.5
0214160000B	Folsom	CA	4.1	5.4	7.6	5.5
0214160100B	Folsom	CA	4.1	5.4	7.6	5.5

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0214160400B	Folsom	CA	4.1	5.4	7.6	5.5
0214160500B	Folsom	CA	4.1	5.4	7.6	5.5
0214160600B	Folsom	CA	4.1	5.4	7.6	5.5
0214166100B	Folsom	CA	4.1	5.4	7.6	5.5
0214166200B	Folsom	CA	4.1	5.4	7.6	5.5
0214616000B	Folsom	CA	4.1	5.4	7.6	5.5
0214616100B	Folsom	CA	4.1	5.4	7.6	5.5
0214616200B	Folsom	CA	4.1	5.4	7.6	5.5
0214616300B	Folsom	CA	4.1	5.4	7.6	5.5
0214616400B	Folsom	CA	4.1	5.4	7.6	5.5
0012011300B	Fresno	CA	4.2	5.5	7.7	5.7
0012011400B	Fresno	CA	4.2	5.5	7.7	5.7
0214111700B	Fresno	CA	4.2	5.6	7.7	5.7
0767000700B	Fresno	CA	4.2	5.5	7.7	5.7
0767000800B	Fresno	CA	4.2	5.5	7.7	5.7
0767001000B	Fresno	CA	4.2	5.5	7.7	5.7
0767003500B	Fresno	CA	4.2	5.5	7.7	5.7
0767003600B	Fresno	CA	4.2	5.5	7.7	5.7
0767003700B	Fresno	CA	4.2	5.5	7.7	5.7
0767003800B	Fresno	CA	4.2	5.5	7.7	5.7
0767003900B	Fresno	CA	4.2	5.5	7.7	5.7
0767004000B	Fresno	CA	4.2	5.5	7.7	5.7
0214111701B	Friant	CA	4.2	5.6	7.7	5.7
0214112000B	Friant	CA	4.2	5.6	7.7	5.7
0214112300B	Friant	CA	4.2	5.6	7.7	5.7
0214112400B	Friant	CA	4.2	5.6	7.7	5.7
0214112500B	Friant	CA	4.2	5.6	7.7	5.7
0214112600B	Friant	CA	4.2	5.6	7.7	5.7
0214112700B	Friant	CA	4.2	5.6	7.7	5.7
0214114200B	Friant	CA	4.2	5.6	7.7	5.7
0214114400B	Friant	CA	4.2	5.6	7.7	5.7
0214114500B	Friant	CA	4.2	5.6	7.7	5.7
0214114900B	Friant	CA	4.2	5.6	7.7	5.7
0214115100B	Friant	CA	4.2	5.6	7.7	5.7
0805200200B	Huron	CA	4.4	5.8	7.6	5.8
0805200300B	Huron	CA	4.4	5.8	7.6	5.8
0805200400B	Huron	CA	4.4	5.8	7.6	5.8

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0805200500B	Huron	CA	4.4	5.8	7.6	5.8
0805200600B	Huron	CA	4.4	5.8	7.6	5.8
0805200700B	Huron	CA	4.4	5.8	7.6	5.8
0805272000B	Huron	CA	4.4	5.8	7.6	5.8
0805272100B	Huron	CA	4.4	5.8	7.6	5.8
0805272200B	Huron	CA	4.4	5.8	7.6	5.8
0805272300B	Huron	CA	4.4	5.8	7.6	5.8
0805272400B	Huron	CA	4.4	5.8	7.6	5.8
0805274400B	Huron	CA	4.4	5.8	7.6	5.8
0805274500B	Huron	CA	4.4	5.8	7.6	5.8
0805274600B	Huron	CA	4.4	5.8	7.6	5.8
0805274700B	Huron	CA	4.4	5.8	7.6	5.8
0805274800B	Huron	CA	4.4	5.8	7.6	5.8
0805274900B	Huron	CA	4.4	5.8	7.6	5.8
0805275000B	Huron	CA	4.4	5.8	7.6	5.8
0805275100B	Huron	CA	4.4	5.8	7.6	5.8
0214504000B	Jamestown	CA	4.2	5.6	7.6	5.6
0416613200B	Lewiston	CA	4.2	5.7	7.5	5.4
0416613500B	Lewiston	CA	4.2	5.7	7.5	5.4
0575000100B	Los Banos	CA	4.1	5.5	7.9	5.7
0413000100B	Napa	CA	4.1	5.4	7.6	5.5
0413000200B	Napa	CA	4.1	5.4	7.6	5.5
0413000300B	Napa	CA	4.1	5.4	7.6	5.5
0413000400B	Napa	CA	4.1	5.4	7.6	5.5
0413000500B	Napa	CA	4.1	5.4	7.6	5.5
0413000600B	Napa	CA	4.1	5.4	7.6	5.5
0413000700B	Napa	CA	4.1	5.4	7.6	5.5
0413000900B	Napa	CA	4.1	5.4	7.6	5.5
0413001000B	Napa	CA	4.1	5.4	7.6	5.5
0214001900B	Rancho Cordova	CA	4.0	5.3	7.6	5.5
0214002000B	Rancho Cordova	CA	4.0	5.3	7.6	5.5
0214614700B	Rancho Cordova	CA	4.1	5.4	7.6	5.5
0725201500B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725203000B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725203100B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725203400B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725306400B	Red Bluff	CA	4.2	5.6	7.6	5.5

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0725306500B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725306600B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725306700B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725306800B	Red Bluff	CA	4.2	5.6	7.6	5.5
0725307700B	Red Bluff	CA	4.2	5.6	7.6	5.5
0214307900B	Redding	CA	4.2	5.6	7.6	5.4
0214308300B	Redding	CA	4.2	5.6	7.6	5.4
0022001500B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0022002800B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0022002900B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0022003000B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0022003100B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214304000B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214304700B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214304800B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214307000B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214307100B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214307300B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214307400B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0725201800B	Shasta Lake	CA	4.2	5.6	7.6	5.4
0214515000B	Sonora	CA	4.3	5.7	7.6	5.7
0214515100B	Sonora	CA	4.3	5.7	7.6	5.7
0214515200B	Sonora	CA	4.3	5.7	7.6	5.7
0214515300B	Sonora	CA	4.3	5.7	7.6	5.7
0214515400B	Sonora	CA	4.3	5.7	7.6	5.7
0089000103B	Truckee	CA	4.9	6.6	7.9	5.9
0725200800B	Willows	CA	4.2	5.5	7.6	5.5
0423000500B	Winterhaven	CA	5.3	7.0	8.1	6.5
0423000600B	Winterhaven	CA	5.3	7.0	8.1	6.5
0423000900B	Winterhaven	CA	5.3	7.0	8.1	6.5
0423001000B	Winterhaven	CA	5.3	7.0	8.1	6.5
0423001100B	Winterhaven	CA	5.3	7.0	8.1	6.5
1298000100B	Alamosa	CO	5.4	7.1	8.0	6.4
1298000200B	Alamosa	CO	5.4	7.1	8.0	6.4
1298000600B	Alamosa	CO	5.4	7.1	8.0	6.4
1298000700B	Alamosa	CO	5.4	7.1	8.0	6.4
1298000800B	Alamosa	CO	5.4	7.1	8.0	6.4

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1298201600B	Alamosa	CO	5.4	7.1	8.0	6.4
1298201700B	Alamosa	CO	5.4	7.1	8.0	6.4
0382000100B	Basalt	CO	4.0	5.9	7.3	5.3
0382000400B	Basalt	CO	4.0	5.9	7.3	5.3
1294000100B	Bedrock	CO	4.5	6.2	7.3	5.7
1294000200B	Bedrock	CO	4.5	6.2	7.3	5.7
1294000900B	Bedrock	CO	4.5	6.2	7.3	5.7
1294001000B	Bedrock	CO	4.5	6.2	7.3	5.7
1294195400B	Bedrock	CO	4.5	6.2	7.3	5.7
1294195500B	Bedrock	CO	4.5	6.2	7.3	5.7
0331000100B	Burlington	CO	4.4	5.8	7.5	5.7
0331000200B	Burlington	CO	4.4	5.8	7.5	5.7
0331000400B	Burlington	CO	4.4	5.8	7.5	5.7
0622000100B	Cimarron	CO	4.0	5.7	7.1	5.3
0622000200B	Cimarron	CO	4.0	5.7	7.1	5.3
0622000300B	Cimarron	CO	4.0	5.7	7.1	5.3
0482000100B	Collbran	CO	4.4	5.8	7.4	5.6
0482201300B	Collbran	CO	4.4	5.8	7.4	5.6
0622002000B	Crawford	CO	4.5	6.1	7.3	5.6
0245012800B	Estes Park	CO	4.3	5.8	7.1	5.5
0008195900B	Grand Junction	CO	4.5	6.0	7.4	5.7
0482000200B	Grand Junction	CO	4.4	5.9	7.3	5.7
1295000600B	Grand Junction	CO	4.5	6.0	7.4	5.7
1295000700B	Grand Junction	CO	4.5	6.0	7.4	5.7
0622001000B	Gunnison	CO	4.4	6.1	7.6	5.6
0622001100B	Gunnison	CO	4.4	5.8	7.5	5.6
1335019000B	Leadville	CO	4.1	6.2	7.4	5.4
0245007300B	Loveland	CO	4.3	5.6	7.0	5.5
0245007400B	Loveland	CO	4.3	5.6	7.0	5.5
0245011200B	Loveland	CO	4.3	5.6	7.0	5.5
0245011300B	Loveland	CO	4.3	5.6	7.0	5.5
0245011600B	Loveland	CO	4.3	5.6	7.1	5.6
0245011700B	Loveland	CO	4.3	5.6	7.1	5.6
0245011800B	Loveland	CO	4.3	5.6	7.1	5.6
0245011900B	Loveland	CO	4.3	5.6	7.1	5.6
0245012000B	Loveland	CO	4.3	5.6	7.1	5.6
0245012100B	Loveland	CO	4.3	5.6	7.1	5.6

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0245012300B	Loveland	CO	4.3	5.6	7.1	5.6
0245012400B	Loveland	CO	4.3	5.6	7.1	5.6
0245012500B	Loveland	CO	4.3	5.6	7.1	5.6
0245012600B	Loveland	CO	4.3	5.6	7.1	5.6
0245013400B	Loveland	CO	4.3	5.6	7.0	5.5
0245015000B	Loveland	CO	4.3	5.6	7.0	5.5
0245015500B	Loveland	CO	4.3	5.6	7.1	5.6
0245015600B	Loveland	CO	4.3	5.6	7.0	5.5
0245015700B	Loveland	CO	4.3	5.6	7.1	5.6
0245015800B	Loveland	CO	4.3	5.6	7.1	5.6
0245016200B	Loveland	CO	4.3	5.6	7.0	5.5
0245019500B	Loveland	CO	4.3	5.6	7.0	5.5
0245025700B	Loveland	CO	4.3	5.6	7.1	5.6
0482000400B	Mesa	CO	4.3	5.8	7.2	5.5
0482000900B	Mesa	CO	4.2	5.7	7.3	5.5
0382001200B	Montrose	CO	4.5	6.1	7.3	5.7
0382021500B	Montrose	CO	4.5	6.1	7.3	5.7
0622000500B	Montrose	CO	4.5	6.1	7.3	5.7
0622000600B	Montrose	CO	4.5	6.1	7.3	5.7
0622000700B	Montrose	CO	4.5	6.1	7.3	5.7
0622000900B	Montrose	CO	4.5	6.1	7.3	5.7
0622001200B	Montrose	CO	4.5	6.1	7.3	5.7
0382018700B	Pueblo	CO	4.8	6.3	7.3	6.0
0382018800B	Pueblo	CO	4.8	6.3	7.3	6.0
0382018900B	Pueblo	CO	4.8	6.3	7.3	6.0
0245005700B	Silverthorne	CO	4.1	5.8	7.2	5.3
0245006000B	Silverthorne	CO	4.1	5.8	7.2	5.3
0245006100B	Silverthorne	CO	4.1	5.8	7.2	5.3
0245006200B	Silverthorne	CO	4.1	5.8	7.2	5.3
0245006800B	Silverthorne	CO	4.1	5.8	7.2	5.3
0017112200B	American Falls	ID	4.0	5.4	7.7	5.2
0003040200B	Boise	ID	4.2	5.7	7.9	5.3
0004010100B	Boise	ID	4.2	5.7	7.9	5.4
0004010400B	Boise	ID	4.2	5.7	7.9	5.4
0004010600B	Boise	ID	4.2	5.7	7.9	5.4
0004020400B	Boise	ID	4.2	5.7	7.9	5.3
0004045600B	Boise	ID	4.2	5.7	7.9	5.3

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1510100100B	Boise	ID	4.2	5.7	7.9	5.3
1510104550B	Boise	ID	4.2	5.7	7.9	5.3
0017050100B	Burley	ID	4.1	5.6	7.9	5.3
0017050200B	Burley	ID	4.1	5.6	7.9	5.3
0003080100B	Cascade	ID	4.0	5.5	7.7	5.1
0003080200B	Cascade	ID	4.0	5.5	7.7	5.1
0003080300B	Cascade	ID	4.0	5.5	7.7	5.1
0003080400B	Cascade	ID	4.0	5.5	7.7	5.1
0003080500B	Cascade	ID	4.0	5.5	7.7	5.1
0003080700B	Cascade	ID	4.0	5.5	7.7	5.1
0003080800B	Cascade	ID	4.0	5.5	7.7	5.1
0003081000B	Cascade	ID	4.0	5.5	7.7	5.1
0003090100B	Cascade	ID	3.8	5.2	7.6	5.0
0003090300B	Cascade	ID	3.8	5.2	7.6	5.0
0003090500B	Cascade	ID	3.8	5.2	7.6	5.0
0003090600B	Cascade	ID	3.8	5.2	7.6	5.0
0003092400B	Cascade	ID	3.8	5.2	7.6	5.0
0003051200B	Emmett	ID	4.1	5.5	7.9	5.2
0003051300B	Emmett	ID	4.1	5.5	7.9	5.2
0003051400B	Emmett	ID	4.1	5.5	7.9	5.2
0003051500B	Emmett	ID	4.1	5.5	7.9	5.2
0003052200B	Emmett	ID	4.1	5.5	7.9	5.2
0003052300B	Emmett	ID	4.1	5.5	7.9	5.2
0003052400B	Emmett	ID	4.1	5.5	7.9	5.2
0003052600B	Emmett	ID	4.1	5.5	7.9	5.2
0003052700B	Emmett	ID	4.1	5.5	7.9	5.2
0003052800B	Emmett	ID	4.1	5.5	7.9	5.2
0003052900B	Emmett	ID	4.1	5.5	7.9	5.2
0003054100B	Emmett	ID	4.1	5.5	7.9	5.2
0003055000B	Emmett	ID	4.1	5.5	7.9	5.2
0003055500B	Emmett	ID	4.1	5.5	7.9	5.2
0003055600B	Emmett	ID	4.1	5.5	7.9	5.2
0456020100B	Irwin	ID	3.6	4.9	7.2	4.8
0456020300B	Irwin	ID	3.6	4.9	7.2	4.8
0456020500B	Irwin	ID	3.6	4.9	7.2	4.8
0456020700B	Irwin	ID	3.6	4.9	7.2	4.8
0456021600B	Irwin	ID	3.6	4.9	7.2	4.8

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0456021800B	Irwin	ID	3.6	4.9	7.2	4.8
0456021900B	Irwin	ID	3.6	4.9	7.2	4.8
0456022000B	Irwin	ID	3.6	4.9	7.2	4.8
0456022100B	Irwin	ID	3.6	4.9	7.2	4.8
0456022200B	Irwin	ID	3.6	4.9	7.2	4.8
0456022300B	Irwin	ID	3.6	4.9	7.2	4.8
0456030500B	Irwin	ID	3.6	4.9	7.2	4.8
0456030600B	Irwin	ID	3.6	4.9	7.2	4.8
0456030700B	Irwin	ID	3.6	4.9	7.2	4.8
0456031200B	Irwin	ID	3.6	4.9	7.2	4.8
0456031900B	Irwin	ID	3.6	4.9	7.2	4.8
0456032000B	Irwin	ID	3.6	4.9	7.2	4.8
0456032800B	Irwin	ID	3.6	4.9	7.2	4.8
0456033000B	Irwin	ID	3.6	4.9	7.2	4.8
0456033200B	Irwin	ID	3.6	4.9	7.2	4.8
0456033400B	Irwin	ID	3.6	4.9	7.2	4.8
0456033600B	Irwin	ID	3.6	4.9	7.2	4.8
0456033900B	Irwin	ID	3.6	4.9	7.2	4.8
0456034300B	Irwin	ID	3.6	4.9	7.2	4.8
0456034500B	Irwin	ID	3.6	4.9	7.2	4.8
0456034800B	Irwin	ID	3.6	4.9	7.2	4.8
0456034900B	Irwin	ID	3.6	4.9	7.2	4.8
0456035000B	Irwin	ID	3.6	4.9	7.2	4.8
0456035400B	Irwin	ID	3.6	4.9	7.2	4.8
0456035500B	Irwin	ID	3.6	4.9	7.2	4.8
0004031800B	Mountain Home	ID	4.1	5.7	7.9	5.2
0004032400B	Mountain Home	ID	4.1	5.7	7.9	5.2
1308111500B	Ririe	ID	3.8	5.2	7.5	5.0
0017051100B	Rupert	ID	4.2	5.6	7.9	5.3
0017051400B	Rupert	ID	4.2	5.6	7.9	5.3
0017051500B	Rupert	ID	4.2	5.6	7.9	5.3
0017051600B	Rupert	ID	4.2	5.6	7.9	5.3
0017051700B	Rupert	ID	4.2	5.6	7.9	5.3
ZZZZ1678111010B	Salmon	ID	3.6	4.9	7.6	5.0
0372000100B	Ellis	KS	4.1	5.3	7.1	5.4
0372000200B	Ellis	KS	4.1	5.3	7.1	5.4
0372000300B	Ellis	KS	4.1	5.3	7.1	5.4

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0495000100B	Glen Elder	KS	3.7	4.9	7.2	5.2
0495000300B	Glen Elder	KS	3.7	4.9	7.2	5.2
0495001100B	Glen Elder	KS	3.7	4.9	7.2	5.2
0492000100B	Norton	KS	4.0	5.3	7.1	5.4
0492000200B	Norton	KS	4.0	5.3	7.1	5.4
0495000200B	Salina	KS	3.7	4.9	7.3	5.2
0468000100B	Stockton	KS	4.0	5.2	7.1	5.3
0468000200B	Stockton	KS	4.0	5.2	7.1	5.3
0468000300B	Stockton	KS	4.0	5.2	7.1	5.3
0271000100B	Webber	KS	3.7	4.8	7.1	5.1
0271000200B	Webber	KS	3.7	4.8	7.1	5.1
0271003000B	Webber	KS	3.7	4.8	7.1	5.1
0015001600B	Babb	MT	3.6	4.9	7.1	4.8
0015001800B	Babb	MT	3.6	4.9	7.1	4.8
0015002500B	Babb	MT	3.6	4.9	7.1	4.8
0015002900B	Babb	MT	3.6	4.9	7.1	4.8
ZZZMTAO200B	Billings	MT	3.7	5.0	7.2	5.0
0084000200B	Chester	MT	3.5	4.7	7.1	4.8
0084000300B	Chester	MT	3.5	4.7	7.1	4.8
0084000400B	Chester	MT	3.5	4.7	7.1	4.8
ZZZMTAO100B	Chester	MT	3.7	4.9	7.3	4.9
0015001300B	Havre	MT	3.5	4.7	7.1	4.7
0015001400B	Havre	MT	3.5	4.7	7.1	4.7
0015001500B	Havre	MT	3.5	4.7	7.1	4.7
0015003000B	Havre	MT	3.5	4.7	7.1	4.7
0296001201B	Helena	MT	3.6	4.8	7.3	4.9
0296001600B	Helena	MT	3.6	4.8	7.3	4.9
0296003500B	Helena	MT	3.6	4.8	7.3	4.9
0296003501B	Helena	MT	3.6	4.8	7.3	4.9
0296003600B	Helena	MT	3.6	4.8	7.3	4.9
0296003900B	Helena	MT	3.6	4.8	7.3	4.9
0296004000B	Helena	MT	3.6	4.8	7.3	4.9
0296004100B	Helena	MT	3.6	4.8	7.3	4.9
0296004200B	Helena	MT	3.6	4.8	7.3	4.9
0296004300B	Helena	MT	3.6	4.8	7.3	4.9
0296004400B	Helena	MT	3.6	4.8	7.3	4.9
0296004500B	Helena	MT	3.6	4.8	7.3	4.9

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0296004700B	Helena	MT	3.6	4.8	7.3	4.9
0296004800B	Helena	MT	3.6	4.8	7.3	4.9
0296010200B	Helena	MT	3.6	4.8	7.3	4.9
0296010300B	Helena	MT	3.6	4.8	7.3	4.9
0447006700B	Kalispell	MT	3.1	4.2	7.4	4.4
0447006900B	Kalispell	MT	3.1	4.2	7.4	4.4
0447007000B	Kalispell	MT	3.1	4.2	7.4	4.4
0447007200B	Kalispell	MT	3.1	4.2	7.4	4.4
0459001100B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001200B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001400B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001500B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001600B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001800B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459001900B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459002000B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459002100B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459002200B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459002300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459002400B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459003100B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459003300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459003600B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459003700B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459003900B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459004000B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459004200B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459004300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459005200B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459005300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459005400B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459007100B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459007200B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459007300B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459007500B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459007600B	Lodge Grass	MT	3.7	4.9	7.1	5.0

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0459016600B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459016700B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459016800B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459016900B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459017000B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0459019000B	Lodge Grass	MT	3.7	4.9	7.1	5.0
0015000500B	Malta	MT	3.5	4.8	7.1	4.7
0084000500B	Sanford	NC	3.3	4.2	6.6	4.9
0084001400B	Sanford	NC	3.3	4.2	6.6	4.9
0084001500B	Sanford	NC	3.3	4.2	6.6	4.9
0084001600B	Sanford	NC	3.3	4.2	6.6	4.9
0084001700B	Sanford	NC	3.3	4.2	6.6	4.9
0084001800B	Sanford	NC	3.3	4.2	6.6	4.9
0084001900B	Sanford	NC	3.3	4.2	6.6	4.9
0084002100B	Sanford	NC	3.3	4.2	6.6	4.9
0084002200B	Sanford	NC	3.3	4.2	6.6	4.9
0084003900B	Sanford	NC	3.3	4.2	6.6	4.9
0084004000B	Sanford	NC	3.3	4.2	6.6	4.9
0769811000B	Bismarck	ND	3.2	4.3	7.0	4.6
1112000100B	Elgin	ND	3.5	4.6	7.0	4.8
1112000200B	Elgin	ND	3.5	4.6	7.0	4.8
0769810100B	McClusky	ND	3.2	4.3	7.1	4.5
0769810200B	New Rockford	ND	3.1	4.1	7.1	4.4
0769830100B	Oakes	ND	3.2	4.3	7.0	4.6
0328000400B	Cambridge	NE	4.0	5.3	7.3	5.4
0328000500B	Cambridge	NE	4.0	5.2	7.2	5.3
0328000600B	Cambridge	NE	4.0	5.3	7.3	5.4
0328000100B	Enders	NE	4.1	5.4	7.3	5.4
0328000200B	Enders	NE	4.1	5.4	7.3	5.4
0328002800B	McCook	NE	4.1	5.4	7.4	5.4
0328002900B	McCook	NE	4.1	5.4	7.4	5.4
0328003000B	McCook	NE	4.1	5.4	7.4	5.4
1047000500B	McCook	NE	4.1	5.4	7.4	5.4
1047001200B	McCook	NE	4.1	5.4	7.4	5.4
1047001300B	McCook	NE	4.1	5.4	7.4	5.4
1047002000B	McCook	NE	4.1	5.4	7.4	5.4
1047002100B	McCook	NE	4.1	5.4	7.4	5.4

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1047002500B	McCook	NE	4.1	5.4	7.4	5.4
0328000800B	Trenton	NE	4.1	5.3	7.3	5.4
0328000900B	Trenton	NE	4.1	5.3	7.3	5.4
0328001000B	Trenton	NE	4.1	5.3	7.3	5.4
0328001100B	Trenton	NE	4.1	5.3	7.3	5.4
0328004000B	Trenton	NE	4.1	5.3	7.3	5.4
0163DO7941B	Alamogordo	NM	5.0	6.7	7.9	6.3
0711002000B	Blanco	NM	5.2	7.0	8.1	6.2
0711002100B	Blanco	NM	5.2	7.0	8.1	6.2
0711002200B	Blanco	NM	5.2	7.0	8.1	6.2
0711002300B	Blanco	NM	5.2	7.0	8.1	6.2
0711005100B	Blanco	NM	5.2	7.0	8.1	6.2
0711202100B	Bloomfield	NM	5.1	6.8	8.1	6.1
0465000100B	Chama	NM	4.6	6.6	7.7	5.7
0465000400B	Chama	NM	4.6	6.6	7.7	5.7
0465000500B	Chama	NM	4.6	6.6	7.7	5.7
0465000600B	Chama	NM	4.6	6.6	7.7	5.7
0465000900B	Chama	NM	4.6	6.6	7.7	5.7
0163000800B	Socorro	NM	5.5	7.2	8.2	6.5
0163000900B	Socorro	NM	5.5	7.2	8.2	6.5
0163001500B	Socorro	NM	5.5	7.2	8.2	6.5
0163002500B	Socorro	NM	5.5	7.2	8.2	6.5
0163003000B	Socorro	NM	5.5	7.2	8.2	6.5
0163202500B	Socorro	NM	5.5	7.1	8.2	6.5
0465000200B	Tierra Amarilla	NM	4.6	6.6	7.7	5.7
0465000300B	Tierra Amarilla	NM	4.6	6.6	7.7	5.7
0024000100B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024000200B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024000300B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024000400B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024000500B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024000600B	Truth or Consequences	NM	5.4	7.2	8.1	6.5
0024004100B	Truth or Consequences	NM	5.4	7.1	8.0	6.5

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0351011900B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351012000B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351012200B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351015000B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351015100B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351015200B	Parker Dam	CA	5.5	7.3	8.0	6.6
0351020400B	Parker Dam	CA	5.5	7.3	8.0	6.6
0045000300B	Boulder City	NV	5.4	7.2	7.9	6.5
0045000900B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001100B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001200B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001400B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001500B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001600B	Boulder City	NV	5.4	7.2	7.9	6.5
0045001700B	Boulder City	NV	5.4	7.2	7.9	6.5
0045002400B	Boulder City	NV	5.4	7.2	7.9	6.5
0045003800B	Boulder City	NV	5.4	7.2	7.9	6.5
0045003900B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004000B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004100B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004200B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004300B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004400B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004500B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004600B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004700B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004800B	Boulder City	NV	5.4	7.2	7.9	6.5
0045004900B	Boulder City	NV	5.4	7.2	7.9	6.5
0045005000B	Boulder City	NV	5.4	7.2	7.9	6.5
0045005100B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300100B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300200B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300300B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300400B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300500B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300600B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300700B	Boulder City	NV	5.4	7.2	7.9	6.5

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1510300800B	Boulder City	NV	5.4	7.2	7.9	6.5
1510300900B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301000B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301100B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301200B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301300B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301400B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301500B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301600B	Boulder City	NV	5.4	7.2	7.9	6.5
1510301700B	Boulder City	NV	5.4	7.2	7.9	6.5
1878000100B	Boulder City	NV	5.4	7.2	7.9	6.5
1878000200B	Boulder City	NV	5.4	7.2	7.9	6.5
1878000300B	Boulder City	NV	5.4	7.2	7.9	6.5
1878000400B	Boulder City	NV	5.4	7.2	7.9	6.5
1878000500B	Boulder City	NV	5.4	7.2	7.9	6.5
0089000101B	Carson City	NV	5.0	6.7	8.0	6.0
0029001200B	Fallon	NV	4.7	6.4	8.0	5.9
OTAO000200B	Oklahoma City	OK	3.8	5.0	7.1	5.2
0415000900B	Ashland	OR	4.0	5.4	7.9	5.2
0417001400B	Gaston	OR	2.6	3.4	7.2	4.0
0417001700B	Gaston	OR	2.6	3.4	7.2	4.0
0030000700B	Hermiston	OR	3.6	4.9	7.9	4.9
0030001100B	Hermiston	OR	3.6	4.9	7.9	4.9
0012007920B	Klamath Falls	OR	4.2	5.7	8.1	5.4
0012011000B	Klamath Falls	OR	4.2	5.7	8.1	5.4
0012011100B	Klamath Falls	OR	4.2	5.7	8.1	5.4
0012011200B	Klamath Falls	OR	4.2	5.7	8.1	5.4
0012011700B	Klamath Falls	OR	4.2	5.7	8.1	5.4
0030000500B	Pendleton	OR	3.4	4.6	7.7	4.7
0030000600B	Pendleton	OR	3.4	4.6	7.7	4.7
0030010200B	Pendleton	OR	3.4	4.6	7.7	4.7
0276000100B	Lemmon	SD	3.6	4.7	7.1	4.9
0276000200B	Lemmon	SD	3.6	4.7	7.1	4.9
0276000300B	Lemmon	SD	3.6	4.7	7.1	4.9
0469810100B	Pierre	SD	3.5	4.6	7.0	4.9
0469810200B	Pierre	SD	3.5	4.6	7.0	4.9
OTAO000100B	Austin	TX	3.4	4.5	6.7	5.0

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0591001000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591001700B	Dutch John	UT	4.3	5.9	7.1	5.4
0591002000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591002100B	Dutch John	UT	4.3	5.9	7.1	5.4
0591002500B	Dutch John	UT	4.3	5.9	7.1	5.4
0591002900B	Dutch John	UT	4.3	5.9	7.1	5.4
0591003500B	Dutch John	UT	4.3	5.9	7.1	5.4
0591003700B	Dutch John	UT	4.3	5.9	7.1	5.4
0591003800B	Dutch John	UT	4.3	5.9	7.1	5.4
0591004300B	Dutch John	UT	4.3	5.9	7.1	5.4
0591004900B	Dutch John	UT	4.3	5.9	7.1	5.4
0591005000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591005200B	Dutch John	UT	4.3	5.9	7.1	5.4
0591005600B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006200B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006400B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006500B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006700B	Dutch John	UT	4.3	5.9	7.1	5.4
0591007000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591007100B	Dutch John	UT	4.3	5.9	7.1	5.4
0591008000B	Dutch John	UT	4.3	5.9	7.1	5.4
0591008200B	Dutch John	UT	4.3	5.9	7.1	5.4
0591008400B	Dutch John	UT	4.3	5.9	7.1	5.4
05911625B0B	Dutch John	UT	4.3	5.9	7.1	5.4
0591162600B	Dutch John	UT	4.3	5.9	7.1	5.4
0591190800B	Dutch John	UT	4.3	5.9	7.1	5.4
0591006900B	Manila	UT	4.1	5.6	7.1	5.3
0244000200B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0244000300B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0244000400B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0244000500B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0244000600B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0244000700B	Pleasant Grove	UT	4.2	5.7	7.4	5.5
0066000100B	Provo	UT	4.4	5.9	7.5	5.5
0244002000B	Roosevelt	UT	4.0	5.8	7.2	5.2
0033009400B	Benton City	WA	3.7	5.0	7.8	5.0

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0033009500B	Benton City	WA	3.7	5.0	7.8	5.0
0033012100B	Benton City	WA	3.7	5.0	7.8	5.0
0033011600B	Cle Elum	WA	2.7	3.6	7.4	4.2
0033012500B	Cle Elum	WA	3.1	4.1	7.9	4.6
0033013600B	Cle Elum	WA	2.8	3.8	7.6	4.4
0033016000B	Cle Elum	WA	3.1	4.1	7.9	4.6
0222020500B	Connell	WA	3.7	5.0	7.8	4.9
0222020600B	Connell	WA	3.7	5.0	7.8	4.9
0222020800B	Connell	WA	3.7	5.0	7.8	4.9
0222020100B	Coulee City	WA	3.3	4.5	7.6	4.7
0222020200B	Coulee City	WA	3.3	4.5	7.6	4.7
0222220100B	Ephrata	WA	3.6	4.9	7.8	4.9
0222220200B	Ephrata	WA	3.6	4.9	7.8	4.9
0222220300B	Ephrata	WA	3.6	4.9	7.8	4.9
0222220400B	Ephrata	WA	3.6	4.9	7.8	4.9
0222220500B	Ephrata	WA	3.6	4.9	7.8	4.9
5222000100B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222000200B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222010100B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222010200B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222010300B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222010700B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222010800B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011400B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011500B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011600B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011700B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011800B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222011900B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012000B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012100B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012200B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012300B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012400B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012600B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012700B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222012800B	Grand Coulee	WA	3.4	4.7	7.7	4.7

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5222012900B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013000B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013100B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013200B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013300B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013500B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013600B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013800B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222013900B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014100B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014200B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014300B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014400B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014500B	Grand Coulee	WA	3.4	4.7	7.7	4.7
5222014800B	Grand Coulee	WA	3.4	4.7	7.7	4.7
0033000300B	Naches	WA	3.5	4.7	7.6	4.9
0033010000B	Naches	WA	3.1	4.2	7.6	4.6
0033013000B	Naches	WA	3.5	4.7	7.6	4.9
ZZZZ1678110200B	Twisp	WA	3.2	4.3	7.9	4.6
0033011400B	Yakima	WA	3.7	5.0	7.8	5.0
0033011500B	Yakima	WA	3.7	5.0	7.8	5.0
0033012000B	Yakima	WA	3.7	5.0	7.8	5.0
0033012300B	Yakima	WA	3.7	5.0	7.8	5.0
0033012400B	Yakima	WA	3.7	5.0	7.8	5.0
0033012600B	Yakima	WA	3.7	5.0	7.8	5.0
0033013200B	Yakima	WA	3.7	5.0	7.8	5.0
0033013500B	Yakima	WA	3.7	5.0	7.8	5.0
0033013900B	Yakima	WA	3.7	5.0	7.8	5.0
0033015000B	Yakima	WA	3.7	4.9	7.8	5.0
1510015900B	Yakima	WA	3.7	5.0	7.8	5.0
0020000100B	Casper	WY	4.3	5.7	7.4	5.5
0020000200B	Casper	WY	4.3	5.7	7.4	5.5
0020000300B	Casper	WY	4.3	5.7	7.4	5.5
0020004400B	Casper	WY	4.3	5.7	7.4	5.5
0144000200B	Casper	WY	4.3	5.7	7.1	5.5
0144003600B	Casper	WY	4.3	5.7	7.4	5.5
0144003700B	Casper	WY	4.3	5.7	7.4	5.5

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0144003800B	Casper	WY	4.3	5.7	7.4	5.5
0144005000B	Casper	WY	4.3	5.7	7.1	5.5
0144005100B	Casper	WY	4.3	5.7	7.1	5.5
0144005600B	Casper	WY	4.3	5.7	7.1	5.5
0144005700B	Casper	WY	4.3	5.7	7.4	5.5
0144006900B	Casper	WY	4.3	5.7	7.4	5.5
0144007800B	Casper	WY	4.3	5.7	7.4	5.5
0144008100B	Casper	WY	4.3	5.7	7.4	5.5
0467006400B	Casper	WY	4.3	5.7	7.1	5.5
1049002000B	Casper	WY	4.3	5.7	7.1	5.5
1049002400B	Casper	WY	4.3	5.7	7.1	5.5
1049002600B	Casper	WY	4.3	5.7	7.1	5.5
1049002700B	Casper	WY	4.3	5.7	7.1	5.5
1049003100B	Casper	WY	4.3	5.7	7.1	5.5
1049003200B	Casper	WY	4.3	5.7	7.1	5.5
1049003300B	Casper	WY	4.3	5.7	7.1	5.5
1049003400B	Casper	WY	4.3	5.7	7.1	5.5
1049003500B	Casper	WY	4.3	5.7	7.1	5.5
1049003600B	Casper	WY	4.3	5.7	7.1	5.5
1049005700B	Casper	WY	4.3	5.7	7.1	5.5
1049005800B	Casper	WY	4.3	5.7	7.1	5.5
1049005900B	Casper	WY	4.3	5.7	7.1	5.5
1049006000B	Casper	WY	4.3	5.7	7.1	5.5
1049006100B	Casper	WY	4.3	5.7	7.1	5.5
0467001700B	Cody	WY	4.1	5.5	7.1	5.3
0467003900B	Cody	WY	4.1	5.5	7.1	5.3
0467004000B	Cody	WY	4.1	5.5	7.1	5.3
0467004100B	Cody	WY	4.1	5.5	7.1	5.3
0467004200B	Cody	WY	4.1	5.5	7.1	5.3
0467004300B	Cody	WY	4.1	5.5	7.1	5.3
1458010200B	Cody	WY	4.1	5.5	7.1	5.3
1458010700B	Cody	WY	4.1	5.5	7.1	5.3
1458010900B	Cody	WY	4.1	5.5	7.1	5.3
0154000700B	Cokeville	WY	4.0	5.5	7.5	5.1
0154000800B	Cokeville	WY	4.0	5.5	7.5	5.1
0154000900B	Cokeville	WY	4.0	5.5	7.5	5.1
0154001000B	Cokeville	WY	4.0	5.5	7.5	5.1

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0449000100B	Glendo	WY	4.1	5.4	7.0	5.4
0449001300B	Glendo	WY	4.1	5.4	7.0	5.4
0449002000B	Glendo	WY	4.1	5.4	7.0	5.4
0449002100B	Glendo	WY	4.1	5.4	7.0	5.4
0449002200B	Glendo	WY	4.1	5.4	7.0	5.4
0020001100B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001200B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001300B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001500B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001600B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001700B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001800B	Guernsey	WY	4.2	5.5	7.0	5.4
0020001900B	Guernsey	WY	4.2	5.5	7.0	5.4
0020002000B	Guernsey	WY	4.2	5.5	7.0	5.4
0020002700B	Guernsey	WY	4.2	5.5	7.0	5.4
0020002800B	Guernsey	WY	4.2	5.5	7.0	5.4
0020003700B	Guernsey	WY	4.2	5.5	7.0	5.4
1049003800B	Guernsey	WY	4.2	5.5	7.0	5.4
1236000500B	Jeffrey City	WY	4.4	5.9	7.4	5.6
1236000700B	Jeffrey City	WY	4.4	5.9	7.4	5.6
0154000100B	Kemmerer	WY	4.3	5.8	7.4	5.4
0154000200B	Kemmerer	WY	4.4	6.0	7.4	5.5
0154000300B	Kemmerer	WY	4.4	6.0	7.4	5.5
0154000400B	Kemmerer	WY	4.4	6.0	7.4	5.5
0154000500B	Kemmerer	WY	4.4	6.0	7.4	5.5
0154000600B	Kemmerer	WY	4.3	5.8	7.4	5.4
0017006400B	Moose	WY	3.7	5.0	7.3	4.8
0017006700B	Moose	WY	3.7	5.0	7.3	4.8
0017110400B	Moose	WY	3.7	5.0	7.3	4.8
1236002900B	Pavillion	WY	4.4	5.9	7.4	5.6
1236006800B	Pavillion	WY	4.4	5.9	7.4	5.6
0026000300B	Powell	WY	4.0	5.3	7.2	5.3
0026002000B	Powell	WY	4.0	5.3	7.2	5.3
0026010100B	Powell	WY	4.0	5.3	7.2	5.3
0026010200B	Powell	WY	4.0	5.3	7.2	5.3
0026010300B	Powell	WY	4.0	5.3	7.2	5.3
0026010400B	Powell	WY	4.0	5.3	7.2	5.3

RPUID Identifier	City	State	Solar from E/W 1-Axis Tracker (Annual Average kWh/m ² /day)	Global Horizontal Solar (Annual Average kWh/m ² /day)	Solar from Tilt = Latitude Collector (Max kWh/m ² /day)	Solar from Tilt = Latitude Collector (Annual Average kWh/m ² /day)
0285001800B	Shoshoni	WY	4.4	5.8	7.6	5.6
0285002000B	Shoshoni	WY	4.4	5.8	7.6	5.6
0285002100B	Shoshoni	WY	4.4	5.8	7.6	5.6
0285002200B	Shoshoni	WY	4.4	5.8	7.6	5.6
0285002400B	Shoshoni	WY	4.4	5.8	7.6	5.6
0144001200B	Sinclair	WY	4.4	5.9	7.2	5.6
0144001300B	Sinclair	WY	4.4	5.9	7.2	5.6
0144001400B	Sinclair	WY	4.4	5.9	7.2	5.6
0144001700B	Sinclair	WY	4.4	5.9	7.2	5.6
0144002000B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007000B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007100B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007200B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007300B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007400B	Sinclair	WY	4.4	5.9	7.2	5.6
0144007900B	Sinclair	WY	4.4	5.9	7.2	5.6
0144008000B	Sinclair	WY	4.4	5.9	7.2	5.6

Table B1-2. Solar Vent Preheat Energy Delivered, Heating Degree Days, and Cooling Degree Days Data Extracted for Provided Reclamation Facility Locations

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m ² /yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0351000200B	Bullhead City	AZ	294	2407	3201
0351010700B	Bullhead City	AZ	294	2407	3201
0351011400B	Bullhead City	AZ	294	2407	3201
0351032500B	Bullhead City	AZ	294	2407	3201
0351032600B	Bullhead City	AZ	294	2407	3201
0423000100B	Ehrenberg	AZ	274	4995	631
0423000200B	Ehrenberg	AZ	274	4995	631
0423000300B	Ehrenberg	AZ	274	4995	631
0423000400B	Ehrenberg	AZ	274	4995	631
03446B1501B	Glendale	AZ	318	1350	4162
1510321502B	Glendale	AZ	318	1350	4162
1510321503B	Glendale	AZ	318	1350	4162

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
1510321504B	Glendale	AZ	318	1350	4162
1510321505B	Glendale	AZ	318	1350	4162
1510321506B	Glendale	AZ	318	1350	4162
0557000100B	Page	AZ	844	7131	145
0557000200B	Page	AZ	844	7131	145
0557000300B	Page	AZ	844	7131	145
0557000400B	Page	AZ	844	7131	145
0557000500B	Page	AZ	844	7131	145
1292000200B	Yuma	AZ	165	1256	984
1292000300B	Yuma	AZ	165	1256	984
1292000400B	Yuma	AZ	165	1256	984
1292000600B	Yuma	AZ	165	1256	984
1292000700B	Yuma	AZ	165	1256	984
1292000800B	Yuma	AZ	165	1256	984
1292000900B	Yuma	AZ	165	1256	984
1292001000B	Yuma	AZ	165	1256	984
1292001100B	Yuma	AZ	165	1256	984
1292001200B	Yuma	AZ	165	1256	984
1292001300B	Yuma	AZ	165	1256	984
1292001400B	Yuma	AZ	165	1256	984
1292001500B	Yuma	AZ	165	1256	984
1292001600B	Yuma	AZ	165	1256	984
1292001700B	Yuma	AZ	165	1256	984
1292001800B	Yuma	AZ	165	1256	984
1292002300B	Yuma	AZ	165	1256	984
1292002400B	Yuma	AZ	165	1256	984
0725307100B	Arbuckle	CA	372	2749	1237
0725307200B	Arbuckle	CA	372	2749	1237
0725307300B	Arbuckle	CA	372	2749	1237
0725307400B	Arbuckle	CA	372	2749	1237
0725307500B	Arbuckle	CA	372	2749	1237
0725307600B	Arbuckle	CA	372	2749	1237
0214504800B	Byron	CA	387	2749	1237
0214504801B	Byron	CA	387	2749	1237
0214504802B	Byron	CA	387	2749	1237
0214504803B	Byron	CA	387	2749	1237
0214504804B	Byron	CA	387	2749	1237

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0214504805B	Byron	CA	387	2749	1237
0214504806B	Byron	CA	387	2749	1237
0214504807B	Byron	CA	387	2749	1237
0214100501B	Channel Islands National PK	CA	323	2984	169
0214100502B	Channel Islands National PK	CA	323	2984	169
0214000100B	Folsom	CA	412	2749	1237
0214000200B	Folsom	CA	412	2749	1237
0214000300B	Folsom	CA	412	2749	1237
0214000400B	Folsom	CA	412	2749	1237
0214000500B	Folsom	CA	412	2749	1237
0214000600B	Folsom	CA	412	2749	1237
0214000800B	Folsom	CA	412	2749	1237
0214000900B	Folsom	CA	412	2749	1237
0214001000B	Folsom	CA	412	2749	1237
0214003500B	Folsom	CA	412	2749	1237
0214003700B	Folsom	CA	412	2749	1237
0214003900B	Folsom	CA	412	2749	1237
0214010211B	Folsom	CA	412	2749	1237
0214160000B	Folsom	CA	412	2749	1237
0214160100B	Folsom	CA	412	2749	1237
0214160400B	Folsom	CA	412	2749	1237
0214160500B	Folsom	CA	412	2749	1237
0214160600B	Folsom	CA	412	2749	1237
0214166100B	Folsom	CA	412	2749	1237
0214166200B	Folsom	CA	412	2749	1237
0214616000B	Folsom	CA	412	2749	1237
0214616100B	Folsom	CA	412	2749	1237
0214616200B	Folsom	CA	412	2749	1237
0214616300B	Folsom	CA	412	2749	1237
0214616400B	Folsom	CA	412	2749	1237
0012011300B	Fresno	CA	377	2556	1967
0012011400B	Fresno	CA	377	2556	1967
0214111700B	Fresno	CA	377	2556	1967
0767000700B	Fresno	CA	377	2556	1967
0767000800B	Fresno	CA	377	2556	1967
0767001000B	Fresno	CA	377	2556	1967

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0767003500B	Fresno	CA	377	2556	1967
0767003600B	Fresno	CA	377	2556	1967
0767003700B	Fresno	CA	377	2556	1967
0767003800B	Fresno	CA	377	2556	1967
0767003900B	Fresno	CA	377	2556	1967
0767004000B	Fresno	CA	377	2556	1967
0214111701B	Friant	CA	377	2556	1967
0214112000B	Friant	CA	377	2556	1967
0214112300B	Friant	CA	377	2556	1967
0214112400B	Friant	CA	377	2556	1967
0214112500B	Friant	CA	377	2556	1967
0214112600B	Friant	CA	377	2556	1967
0214112700B	Friant	CA	377	2556	1967
0214114200B	Friant	CA	377	2556	1967
0214114400B	Friant	CA	377	2556	1967
0214114500B	Friant	CA	377	2556	1967
0214114900B	Friant	CA	377	2556	1967
0214115100B	Friant	CA	377	2556	1967
0805200200B	Huron	CA	378	2556	1967
0805200300B	Huron	CA	378	2556	1967
0805200400B	Huron	CA	378	2556	1967
0805200500B	Huron	CA	378	2556	1967
0805200600B	Huron	CA	378	2556	1967
0805200700B	Huron	CA	378	2556	1967
0805272000B	Huron	CA	378	2556	1967
0805272100B	Huron	CA	378	2556	1967
0805272200B	Huron	CA	378	2556	1967
0805272300B	Huron	CA	378	2556	1967
0805272400B	Huron	CA	378	2556	1967
0805274400B	Huron	CA	378	2556	1967
0805274500B	Huron	CA	378	2556	1967
0805274600B	Huron	CA	378	2556	1967
0805274700B	Huron	CA	378	2556	1967
0805274800B	Huron	CA	378	2556	1967
0805274900B	Huron	CA	378	2556	1967
0805275000B	Huron	CA	378	2556	1967
0805275100B	Huron	CA	378	2556	1967

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0214504000B	Jamestown	CA	383	2749	1237
0416613200B	Lewiston	CA	477	5056	0
0416613500B	Lewiston	CA	477	5056	0
0575000100B	Los Banos	CA	390	2556	1967
0413000100B	Napa	CA	383	2749	1237
0413000200B	Napa	CA	383	2749	1237
0413000300B	Napa	CA	383	2749	1237
0413000400B	Napa	CA	383	2749	1237
0413000500B	Napa	CA	383	2749	1237
0413000600B	Napa	CA	383	2749	1237
0413000700B	Napa	CA	383	2749	1237
0413000900B	Napa	CA	383	2749	1237
0413001000B	Napa	CA	383	2749	1237
0214001900B	Rancho Cordova	CA	412	2749	1237
0214002000B	Rancho Cordova	CA	412	2749	1237
0214614700B	Rancho Cordova	CA	412	2749	1237
0725201500B	Red Bluff	CA	362	2749	1237
0725203000B	Red Bluff	CA	362	2749	1237
0725203100B	Red Bluff	CA	362	2749	1237
0725203400B	Red Bluff	CA	362	2749	1237
0725306400B	Red Bluff	CA	362	2749	1237
0725306500B	Red Bluff	CA	362	2749	1237
0725306600B	Red Bluff	CA	362	2749	1237
0725306700B	Red Bluff	CA	362	2749	1237
0725306800B	Red Bluff	CA	362	2749	1237
0725307700B	Red Bluff	CA	362	2749	1237
0214307900B	Redding	CA	383	5056	0
0214308300B	Redding	CA	383	5056	0
0022001500B	Shasta Lake	CA	518	5056	0
0022002800B	Shasta Lake	CA	518	5056	0
0022002900B	Shasta Lake	CA	518	5056	0
0022003000B	Shasta Lake	CA	518	5056	0
0022003100B	Shasta Lake	CA	518	5056	0
0214304000B	Shasta Lake	CA	518	5056	0
0214304700B	Shasta Lake	CA	518	5056	0
0214304800B	Shasta Lake	CA	518	5056	0
0214307000B	Shasta Lake	CA	518	5056	0

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0214307100B	Shasta Lake	CA	518	5056	0
0214307300B	Shasta Lake	CA	518	5056	0
0214307400B	Shasta Lake	CA	518	5056	0
0725201800B	Shasta Lake	CA	518	5056	0
0214515000B	Sonora	CA	453	2749	1237
0214515100B	Sonora	CA	453	2749	1237
0214515200B	Sonora	CA	453	2749	1237
0214515300B	Sonora	CA	453	2749	1237
0214515400B	Sonora	CA	453	2749	1237
0089000103B	Truckee	CA	758	5674	508
0725200800B	Willows	CA	418	2749	1237
0423000500B	Winterhaven	CA	165	1256	984
0423000600B	Winterhaven	CA	165	1256	984
0423000900B	Winterhaven	CA	165	1256	984
0423001000B	Winterhaven	CA	165	1256	984
0423001100B	Winterhaven	CA	165	1256	984
1298000100B	Alamosa	CO	716	8749	62
1298000200B	Alamosa	CO	716	8749	62
1298000600B	Alamosa	CO	716	8749	62
1298000700B	Alamosa	CO	716	8749	62
1298000800B	Alamosa	CO	716	8749	62
1298201600B	Alamosa	CO	716	8749	62
1298201700B	Alamosa	CO	716	8749	62
0382000100B	Basalt	CO	808	8106	151
0382000400B	Basalt	CO	808	8106	151
1294000100B	Bedrock	CO	680	5548	1183
1294000200B	Bedrock	CO	680	5548	1183
1294000900B	Bedrock	CO	680	5548	1183
1294001000B	Bedrock	CO	680	5548	1183
1294195400B	Bedrock	CO	680	5548	1183
1294195500B	Bedrock	CO	680	5548	1183
0331000100B	Burlington	CO	658	5974	859
0331000200B	Burlington	CO	658	5974	859
0331000400B	Burlington	CO	658	5974	859
0622000100B	Cimarron	CO	724	5548	1183
0622000200B	Cimarron	CO	724	5548	1183
0622000300B	Cimarron	CO	724	5548	1183

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0482000100B	Collbran	CO	679	5548	1183
0482201300B	Collbran	CO	679	5548	1183
0622002000B	Crawford	CO	724	5548	1183
0245012800B	Estes Park	CO	742	6020	679
0008195900B	Grand Junction	CO	659	5548	1183
0482000200B	Grand Junction	CO	652	5548	1183
1295000600B	Grand Junction	CO	659	5548	1183
1295000700B	Grand Junction	CO	659	5548	1183
0622001000B	Gunnison	CO	724	8106	151
0622001100B	Gunnison	CO	724	5548	1183
1335019000B	Leadville	CO	786	8106	151
0245007300B	Loveland	CO	742	6020	679
0245007400B	Loveland	CO	742	6020	679
0245011200B	Loveland	CO	742	6020	679
0245011300B	Loveland	CO	742	6020	679
0245011600B	Loveland	CO	742	6020	679
0245011700B	Loveland	CO	742	6020	679
0245011800B	Loveland	CO	742	6020	679
0245011900B	Loveland	CO	742	6020	679
0245012000B	Loveland	CO	742	6020	679
0245012100B	Loveland	CO	742	6020	679
0245012300B	Loveland	CO	742	6020	679
0245012400B	Loveland	CO	742	6020	679
0245012500B	Loveland	CO	742	6020	679
0245012600B	Loveland	CO	742	6020	679
0245013400B	Loveland	CO	742	6020	679
0245015000B	Loveland	CO	742	6020	679
0245015500B	Loveland	CO	742	6020	679
0245015600B	Loveland	CO	742	6020	679
0245015700B	Loveland	CO	742	6020	679
0245015800B	Loveland	CO	742	6020	679
0245016200B	Loveland	CO	742	6020	679
0245019500B	Loveland	CO	742	6020	679
0245025700B	Loveland	CO	742	6020	679
0482000400B	Mesa	CO	668	5548	1183
0482000900B	Mesa	CO	668	5548	1183
0382001200B	Montrose	CO	686	5548	1183

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0382021500B	Montrose	CO	686	5548	1183
0622000500B	Montrose	CO	686	5548	1183
0622000600B	Montrose	CO	686	5548	1183
0622000700B	Montrose	CO	686	5548	1183
0622000900B	Montrose	CO	686	5548	1183
0622001200B	Montrose	CO	686	5548	1183
0382018700B	Pueblo	CO	678	5413	973
0382018800B	Pueblo	CO	678	5413	973
0382018900B	Pueblo	CO	678	5413	973
0245005700B	Silverthorne	CO	788	8106	151
0245006000B	Silverthorne	CO	788	8106	151
0245006100B	Silverthorne	CO	788	8106	151
0245006200B	Silverthorne	CO	788	8106	151
0245006800B	Silverthorne	CO	788	8106	151
0017112200B	American Falls	ID	664	7180	421
0003040200B	Boise	ID	584	5861	754
0004010100B	Boise	ID	584	5861	754
0004010400B	Boise	ID	584	5861	754
0004010600B	Boise	ID	584	5861	754
0004020400B	Boise	ID	580	5861	754
0004045600B	Boise	ID	584	5861	754
1510100100B	Boise	ID	584	5861	754
1510104550B	Boise	ID	584	5861	754
0017050100B	Burley	ID	661	7180	421
0017050200B	Burley	ID	661	7180	421
0003080100B	Cascade	ID	588	5861	754
0003080200B	Cascade	ID	588	5861	754
0003080300B	Cascade	ID	588	5861	754
0003080400B	Cascade	ID	588	5861	754
0003080500B	Cascade	ID	588	5861	754
0003080700B	Cascade	ID	588	5861	754
0003080800B	Cascade	ID	588	5861	754
0003081000B	Cascade	ID	588	5861	754
0003090100B	Cascade	ID	568	5861	754
0003090300B	Cascade	ID	568	5861	754
0003090500B	Cascade	ID	568	5861	754
0003090600B	Cascade	ID	568	5861	754

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0003092400B	Cascade	ID	568	5861	754
0003051200B	Emmett	ID	576	5861	754
0003051300B	Emmett	ID	576	5861	754
0003051400B	Emmett	ID	576	5861	754
0003051500B	Emmett	ID	576	5861	754
0003052200B	Emmett	ID	576	5861	754
0003052300B	Emmett	ID	576	5861	754
0003052400B	Emmett	ID	576	5861	754
0003052600B	Emmett	ID	576	5861	754
0003052700B	Emmett	ID	576	5861	754
0003052800B	Emmett	ID	576	5861	754
0003052900B	Emmett	ID	576	5861	754
0003054100B	Emmett	ID	576	5861	754
0003055000B	Emmett	ID	576	5861	754
0003055500B	Emmett	ID	576	5861	754
0003055600B	Emmett	ID	576	5861	754
0456020100B	Irwin	ID	691	7180	421
0456020300B	Irwin	ID	691	7180	421
0456020500B	Irwin	ID	691	7180	421
0456020700B	Irwin	ID	691	7180	421
0456021600B	Irwin	ID	691	7180	421
0456021800B	Irwin	ID	691	7180	421
0456021900B	Irwin	ID	691	7180	421
0456022000B	Irwin	ID	691	7180	421
0456022100B	Irwin	ID	691	7180	421
0456022200B	Irwin	ID	691	7180	421
0456022300B	Irwin	ID	691	7180	421
0456030500B	Irwin	ID	691	7180	421
0456030600B	Irwin	ID	691	7180	421
0456030700B	Irwin	ID	691	7180	421
0456031200B	Irwin	ID	691	7180	421
0456031900B	Irwin	ID	691	7180	421
0456032000B	Irwin	ID	691	7180	421
0456032800B	Irwin	ID	691	7180	421
0456033000B	Irwin	ID	691	7180	421
0456033200B	Irwin	ID	691	7180	421
0456033400B	Irwin	ID	691	7180	421

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0456033600B	Irwin	ID	691	7180	421
0456033900B	Irwin	ID	691	7180	421
0456034300B	Irwin	ID	691	7180	421
0456034500B	Irwin	ID	691	7180	421
0456034800B	Irwin	ID	691	7180	421
0456034900B	Irwin	ID	691	7180	421
0456035000B	Irwin	ID	691	7180	421
0456035400B	Irwin	ID	691	7180	421
0456035500B	Irwin	ID	691	7180	421
0004031800B	Mountain Home	ID	585	5861	754
0004032400B	Mountain Home	ID	585	5861	754
1308111500B	Ririe	ID	677	7180	421
0017051100B	Rupert	ID	665	7180	421
0017051400B	Rupert	ID	665	7180	421
0017051500B	Rupert	ID	665	7180	421
0017051600B	Rupert	ID	665	7180	421
0017051700B	Rupert	ID	665	7180	421
ZZZZ1678111010B	Salmon	ID	704	7792	280
0372000100B	Ellis	KS	573	5001	1465
0372000200B	Ellis	KS	573	5001	1465
0372000300B	Ellis	KS	573	5001	1465
0495000100B	Glen Elder	KS	531	6421	997
0495000300B	Glen Elder	KS	531	6421	997
0495001100B	Glen Elder	KS	531	6421	997
0492000100B	Norton	KS	623	6859	713
0492000200B	Norton	KS	623	6859	713
0495000200B	Salina	KS	503	4791	1628
0468000100B	Stockton	KS	603	5001	1465
0468000200B	Stockton	KS	603	5001	1465
0468000300B	Stockton	KS	603	5001	1465
0271000100B	Webber	KS	561	6421	997
0271000200B	Webber	KS	561	6421	997
0271003000B	Webber	KS	561	6421	997
0015001600B	Babb	MT	729	8378	149
0015001800B	Babb	MT	729	8378	149
0015002500B	Babb	MT	729	8378	149
0015002900B	Babb	MT	729	8378	149

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
ZZZMTAO200B	Billings	MT	620	7164	652
0084000200B	Chester	MT	666	7741	388
0084000300B	Chester	MT	666	7741	388
0084000400B	Chester	MT	666	7741	388
ZZZMTAO100B	Chester	MT	708	7741	388
0015001300B	Havre	MT	681	8479	260
0015001400B	Havre	MT	681	8479	260
0015001500B	Havre	MT	681	8479	260
0015003000B	Havre	MT	681	8479	260
0296001201B	Helena	MT	639	8031	386
0296001600B	Helena	MT	639	8031	386
0296003500B	Helena	MT	639	8031	386
0296003501B	Helena	MT	639	8031	386
0296003600B	Helena	MT	639	8031	386
0296003900B	Helena	MT	639	8031	386
0296004000B	Helena	MT	639	8031	386
0296004100B	Helena	MT	639	8031	386
0296004200B	Helena	MT	639	8031	386
0296004300B	Helena	MT	639	8031	386
0296004400B	Helena	MT	639	8031	386
0296004500B	Helena	MT	639	8031	386
0296004700B	Helena	MT	639	8031	386
0296004800B	Helena	MT	639	8031	386
0296010200B	Helena	MT	639	8031	386
0296010300B	Helena	MT	639	8031	386
0447006700B	Kalispell	MT	674	8378	149
0447006900B	Kalispell	MT	674	8378	149
0447007000B	Kalispell	MT	674	8378	149
0447007200B	Kalispell	MT	674	8378	149
0459001100B	Lodge Grass	MT	626	7164	652
0459001200B	Lodge Grass	MT	626	7164	652
0459001300B	Lodge Grass	MT	626	7164	652
0459001400B	Lodge Grass	MT	626	7164	652
0459001500B	Lodge Grass	MT	626	7164	652
0459001600B	Lodge Grass	MT	626	7164	652
0459001800B	Lodge Grass	MT	626	7164	652
0459001900B	Lodge Grass	MT	626	7164	652

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0459002000B	Lodge Grass	MT	626	7164	652
0459002100B	Lodge Grass	MT	626	7164	652
0459002200B	Lodge Grass	MT	626	7164	652
0459002300B	Lodge Grass	MT	626	7164	652
0459002400B	Lodge Grass	MT	626	7164	652
0459003100B	Lodge Grass	MT	626	7164	652
0459003300B	Lodge Grass	MT	626	7164	652
0459003600B	Lodge Grass	MT	626	7164	652
0459003700B	Lodge Grass	MT	626	7164	652
0459003900B	Lodge Grass	MT	626	7164	652
0459004000B	Lodge Grass	MT	626	7164	652
0459004200B	Lodge Grass	MT	626	7164	652
0459004300B	Lodge Grass	MT	626	7164	652
0459005200B	Lodge Grass	MT	626	7164	652
0459005300B	Lodge Grass	MT	626	7164	652
0459005400B	Lodge Grass	MT	626	7164	652
0459007100B	Lodge Grass	MT	626	7164	652
0459007200B	Lodge Grass	MT	626	7164	652
0459007300B	Lodge Grass	MT	626	7164	652
0459007500B	Lodge Grass	MT	626	7164	652
0459007600B	Lodge Grass	MT	626	7164	652
0459016600B	Lodge Grass	MT	626	7164	652
0459016700B	Lodge Grass	MT	626	7164	652
0459016800B	Lodge Grass	MT	626	7164	652
0459016900B	Lodge Grass	MT	626	7164	652
0459017000B	Lodge Grass	MT	626	7164	652
0459019000B	Lodge Grass	MT	626	7164	652
0015000500B	Malta	MT	683	8745	558
0084000500B	Sanford	NC	373	3457	1417
0084001400B	Sanford	NC	373	3457	1417
0084001500B	Sanford	NC	373	3457	1417
0084001600B	Sanford	NC	373	3457	1417
0084001700B	Sanford	NC	373	3457	1417
0084001800B	Sanford	NC	373	3457	1417
0084001900B	Sanford	NC	373	3457	1417
0084002100B	Sanford	NC	373	3457	1417
0084002200B	Sanford	NC	373	3457	1417

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0084003900B	Sanford	NC	373	3457	1417
0084004000B	Sanford	NC	373	3457	1417
0769811000B	Bismarck	ND	635	8968	488
1112000100B	Elgin	ND	638	8968	488
1112000200B	Elgin	ND	638	8968	488
0769810100B	McClusky	ND	643	8968	488
0769810200B	New Rockford	ND	617	8968	488
0769830100B	Oakes	ND	595	9254	537
0328000400B	Cambridge	NE	620	6859	713
0328000500B	Cambridge	NE	620	6859	713
0328000600B	Cambridge	NE	620	6859	713
0328000100B	Enders	NE	644	5974	859
0328000200B	Enders	NE	644	5974	859
0328002800B	McCook	NE	629	6859	713
0328002900B	McCook	NE	629	6859	713
0328003000B	McCook	NE	629	6859	713
1047000500B	McCook	NE	629	6859	713
1047001200B	McCook	NE	629	6859	713
1047001300B	McCook	NE	629	6859	713
1047002000B	McCook	NE	629	6859	713
1047002100B	McCook	NE	629	6859	713
1047002500B	McCook	NE	629	6859	713
0328000800B	Trenton	NE	634	6859	713
0328000900B	Trenton	NE	634	6859	713
0328001000B	Trenton	NE	634	6859	713
0328001100B	Trenton	NE	634	6859	713
0328004000B	Trenton	NE	634	6859	713
0163DO7941B	Alamogordo	NM	544	2708	2094
0711002000B	Blanco	NM	728	8749	62
0711002100B	Blanco	NM	728	8749	62
0711002200B	Blanco	NM	728	8749	62
0711002300B	Blanco	NM	728	8749	62
0711005100B	Blanco	NM	728	8749	62
0711202100B	Bloomfield	NM	728	8749	62
0465000100B	Chama	NM	692	8749	62
0465000400B	Chama	NM	692	8749	62
0465000500B	Chama	NM	692	8749	62

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0465000600B	Chama	NM	692	8749	62
0465000900B	Chama	NM	692	8749	62
0163000800B	Socorro	NM	612	4425	1244
0163000900B	Socorro	NM	612	4425	1244
0163001500B	Socorro	NM	612	4425	1244
0163002500B	Socorro	NM	612	4425	1244
0163003000B	Socorro	NM	612	4425	1244
0163202500B	Socorro	NM	584	4425	1244
0465000200B	Tierra Amarilla	NM	692	8749	62
0465000300B	Tierra Amarilla	NM	692	8749	62
0024000100B	Truth or Consequences	NM	571	2708	2094
0024000200B	Truth or Consequences	NM	571	2708	2094
0024000300B	Truth or Consequences	NM	571	2708	2094
0024000400B	Truth or Consequences	NM	571	2708	2094
0024000500B	Truth or Consequences	NM	571	2708	2094
0024000600B	Truth or Consequences	NM	571	2708	2094
0024004100B	Truth or Consequences	NM	571	2708	2094
0351011900B	Parker Dam	CA	346	4995	631
0351012000B	Parker Dam	CA	346	4995	631
0351012200B	Parker Dam	CA	346	4995	631
0351015000B	Parker Dam	CA	346	4995	631
0351015100B	Parker Dam	CA	346	4995	631
0351015200B	Parker Dam	CA	346	4995	631
0351020400B	Parker Dam	CA	346	4995	631
0045000300B	Boulder City	NV	490	2407	3201
0045000900B	Boulder City	NV	490	2407	3201
0045001100B	Boulder City	NV	490	2407	3201
0045001200B	Boulder City	NV	490	2407	3201
0045001400B	Boulder City	NV	490	2407	3201
0045001500B	Boulder City	NV	490	2407	3201
0045001600B	Boulder City	NV	490	2407	3201
0045001700B	Boulder City	NV	490	2407	3201
0045002400B	Boulder City	NV	490	2407	3201

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0045003800B	Boulder City	NV	490	2407	3201
0045003900B	Boulder City	NV	490	2407	3201
0045004000B	Boulder City	NV	490	2407	3201
0045004100B	Boulder City	NV	490	2407	3201
0045004200B	Boulder City	NV	490	2407	3201
0045004300B	Boulder City	NV	490	2407	3201
0045004400B	Boulder City	NV	490	2407	3201
0045004500B	Boulder City	NV	490	2407	3201
0045004600B	Boulder City	NV	490	2407	3201
0045004700B	Boulder City	NV	490	2407	3201
0045004800B	Boulder City	NV	490	2407	3201
0045004900B	Boulder City	NV	490	2407	3201
0045005000B	Boulder City	NV	490	2407	3201
0045005100B	Boulder City	NV	490	2407	3201
1510300100B	Boulder City	NV	490	2407	3201
1510300200B	Boulder City	NV	490	2407	3201
1510300300B	Boulder City	NV	490	2407	3201
1510300400B	Boulder City	NV	490	2407	3201
1510300500B	Boulder City	NV	490	2407	3201
1510300600B	Boulder City	NV	490	2407	3201
1510300700B	Boulder City	NV	490	2407	3201
1510300800B	Boulder City	NV	490	2407	3201
1510300900B	Boulder City	NV	490	2407	3201
1510301000B	Boulder City	NV	490	2407	3201
1510301100B	Boulder City	NV	490	2407	3201
1510301200B	Boulder City	NV	490	2407	3201
1510301300B	Boulder City	NV	490	2407	3201
1510301400B	Boulder City	NV	490	2407	3201
1510301500B	Boulder City	NV	490	2407	3201
1510301600B	Boulder City	NV	490	2407	3201
1510301700B	Boulder City	NV	490	2407	3201
1878000100B	Boulder City	NV	490	2407	3201
1878000200B	Boulder City	NV	490	2407	3201
1878000300B	Boulder City	NV	490	2407	3201
1878000400B	Boulder City	NV	490	2407	3201
1878000500B	Boulder City	NV	490	2407	3201
0089000101B	Carson City	NV	759	5674	508

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0029001200B	Fallon	NV	752	5674	508
OTAO000200B	Oklahoma City	OK	411	3659	1859
0415000900B	Ashland	OR	459	4611	725
0417001400B	Gaston	OR	379	4927	247
0417001700B	Gaston	OR	379	4927	247
0030000700B	Hermiston	OR	426	5294	701
0030001100B	Hermiston	OR	426	5294	701
0012007920B	Klamath Falls	OR	501	4611	725
0012011000B	Klamath Falls	OR	501	4611	725
0012011100B	Klamath Falls	OR	501	4611	725
0012011200B	Klamath Falls	OR	501	4611	725
0012011700B	Klamath Falls	OR	501	4611	725
0030000500B	Pendleton	OR	426	5294	701
0030000600B	Pendleton	OR	426	5294	701
0030010200B	Pendleton	OR	426	5294	701
0276000100B	Lemmon	SD	623	8968	488
0276000200B	Lemmon	SD	623	8968	488
0276000300B	Lemmon	SD	623	8968	488
0469810100B	Pierre	SD	602	7411	897
0469810200B	Pierre	SD	602	7411	897
OTAO000100B	Austin	TX	255	1688	3016
0591001000B	Dutch John	UT	798	8365	266
0591001700B	Dutch John	UT	798	8365	266
0591002000B	Dutch John	UT	798	8365	266
0591002100B	Dutch John	UT	798	8365	266
0591002500B	Dutch John	UT	798	8365	266
0591002900B	Dutch John	UT	798	8365	266
0591003500B	Dutch John	UT	798	8365	266
0591003700B	Dutch John	UT	798	8365	266
0591003800B	Dutch John	UT	798	8365	266
0591004300B	Dutch John	UT	798	8365	266
0591004900B	Dutch John	UT	798	8365	266
0591005000B	Dutch John	UT	798	8365	266
0591005200B	Dutch John	UT	798	8365	266
0591005600B	Dutch John	UT	798	8365	266
0591006000B	Dutch John	UT	798	8365	266
0591006200B	Dutch John	UT	798	8365	266

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0591006400B	Dutch John	UT	798	8365	266
0591006500B	Dutch John	UT	798	8365	266
0591006700B	Dutch John	UT	798	8365	266
0591007000B	Dutch John	UT	798	8365	266
0591007100B	Dutch John	UT	798	8365	266
0591008000B	Dutch John	UT	798	8365	266
0591008200B	Dutch John	UT	798	8365	266
0591008400B	Dutch John	UT	798	8365	266
05911625B0B	Dutch John	UT	798	8365	266
0591162600B	Dutch John	UT	798	8365	266
0591190800B	Dutch John	UT	798	8365	266
0591006900B	Manila	UT	798	8365	266
0244000200B	Pleasant Grove	UT	644	5765	1047
0244000300B	Pleasant Grove	UT	644	5765	1047
0244000400B	Pleasant Grove	UT	644	5765	1047
0244000500B	Pleasant Grove	UT	644	5765	1047
0244000600B	Pleasant Grove	UT	644	5765	1047
0244000700B	Pleasant Grove	UT	644	5765	1047
0066000100B	Provo	UT	644	5765	1047
0244002000B	Roosevelt	UT	679	5765	1047
0033009400B	Benton City	WA	437	5294	701
0033009500B	Benton City	WA	437	5294	701
0033012100B	Benton City	WA	437	5294	701
0033011600B	Cle Elum	WA	436	4908	190
0033012500B	Cle Elum	WA	436	5967	458
0033013600B	Cle Elum	WA	436	5967	458
0033016000B	Cle Elum	WA	436	5967	458
0222020500B	Connell	WA	453	5294	701
0222020600B	Connell	WA	453	5294	701
0222020800B	Connell	WA	453	5294	701
0222020100B	Coulee City	WA	476	5967	458
0222020200B	Coulee City	WA	476	5967	458
0222220100B	Ephrata	WA	468	5967	458
0222220200B	Ephrata	WA	468	5967	458
0222220300B	Ephrata	WA	468	5967	458
0222220400B	Ephrata	WA	468	5967	458
0222220500B	Ephrata	WA	468	5967	458

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
5222000100B	Grand Coulee	WA	508	6842	398
5222000200B	Grand Coulee	WA	508	6842	398
5222010100B	Grand Coulee	WA	508	6842	398
5222010200B	Grand Coulee	WA	508	6842	398
5222010300B	Grand Coulee	WA	508	6842	398
5222010700B	Grand Coulee	WA	508	6842	398
5222010800B	Grand Coulee	WA	508	6842	398
5222011400B	Grand Coulee	WA	508	6842	398
5222011500B	Grand Coulee	WA	508	6842	398
5222011600B	Grand Coulee	WA	508	6842	398
5222011700B	Grand Coulee	WA	508	6842	398
5222011800B	Grand Coulee	WA	508	6842	398
5222011900B	Grand Coulee	WA	508	6842	398
5222012000B	Grand Coulee	WA	508	6842	398
5222012100B	Grand Coulee	WA	508	6842	398
5222012200B	Grand Coulee	WA	508	6842	398
5222012300B	Grand Coulee	WA	508	6842	398
5222012400B	Grand Coulee	WA	508	6842	398
5222012600B	Grand Coulee	WA	508	6842	398
5222012700B	Grand Coulee	WA	508	6842	398
5222012800B	Grand Coulee	WA	508	6842	398
5222012900B	Grand Coulee	WA	508	6842	398
5222013000B	Grand Coulee	WA	508	6842	398
5222013100B	Grand Coulee	WA	508	6842	398
5222013200B	Grand Coulee	WA	508	6842	398
5222013300B	Grand Coulee	WA	508	6842	398
5222013500B	Grand Coulee	WA	508	6842	398
5222013600B	Grand Coulee	WA	508	6842	398
5222013800B	Grand Coulee	WA	508	6842	398
5222013900B	Grand Coulee	WA	508	6842	398
5222014100B	Grand Coulee	WA	508	6842	398
5222014200B	Grand Coulee	WA	508	6842	398
5222014300B	Grand Coulee	WA	508	6842	398
5222014400B	Grand Coulee	WA	508	6842	398
5222014500B	Grand Coulee	WA	508	6842	398
5222014800B	Grand Coulee	WA	508	6842	398
0033000300B	Naches	WA	469	5967	458

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
003301000B	Naches	WA	429	5967	458
003301300B	Naches	WA	469	5967	458
ZZZZ1678110200B	Twisp	WA	469	5967	458
0033011400B	Yakima	WA	469	5967	458
0033011500B	Yakima	WA	469	5967	458
0033012000B	Yakima	WA	469	5967	458
0033012300B	Yakima	WA	469	5967	458
0033012400B	Yakima	WA	469	5967	458
0033012600B	Yakima	WA	469	5967	458
0033013200B	Yakima	WA	469	5967	458
0033013500B	Yakima	WA	469	5967	458
0033013900B	Yakima	WA	469	5967	458
0033015000B	Yakima	WA	474	5967	458
1510015900B	Yakima	WA	469	5967	458
0020000100B	Casper	WY	761	7682	445
0020000200B	Casper	WY	761	7682	445
0020000300B	Casper	WY	761	7682	445
0020004400B	Casper	WY	761	7682	445
0144000200B	Casper	WY	760	7682	445
0144003600B	Casper	WY	761	7682	445
0144003700B	Casper	WY	761	7682	445
0144003800B	Casper	WY	761	7682	445
0144005000B	Casper	WY	760	7682	445
0144005100B	Casper	WY	760	7682	445
0144005600B	Casper	WY	760	7682	445
0144005700B	Casper	WY	761	7682	445
0144006900B	Casper	WY	761	7682	445
0144007800B	Casper	WY	761	7682	445
0144008100B	Casper	WY	761	7682	445
0467006400B	Casper	WY	760	7682	445
1049002000B	Casper	WY	760	7682	445
1049002400B	Casper	WY	760	7682	445
1049002600B	Casper	WY	760	7682	445
1049002700B	Casper	WY	760	7682	445
1049003100B	Casper	WY	760	7682	445
1049003200B	Casper	WY	760	7682	445
1049003300B	Casper	WY	760	7682	445

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
1049003400B	Casper	WY	760	7682	445
1049003500B	Casper	WY	760	7682	445
1049003600B	Casper	WY	760	7682	445
1049005700B	Casper	WY	760	7682	445
1049005800B	Casper	WY	760	7682	445
1049005900B	Casper	WY	760	7682	445
1049006000B	Casper	WY	760	7682	445
1049006100B	Casper	WY	760	7682	445
0467001700B	Cody	WY	650	7164	652
0467003900B	Cody	WY	650	7164	652
0467004000B	Cody	WY	650	7164	652
0467004100B	Cody	WY	650	7164	652
0467004200B	Cody	WY	650	7164	652
0467004300B	Cody	WY	650	7164	652
1458010200B	Cody	WY	650	7164	652
1458010700B	Cody	WY	650	7164	652
1458010900B	Cody	WY	650	7164	652
0154000700B	Cokeville	WY	756	8365	266
0154000800B	Cokeville	WY	756	8365	266
0154000900B	Cokeville	WY	756	8365	266
0154001000B	Cokeville	WY	756	8365	266
0449000100B	Glendo	WY	719	7326	285
0449001300B	Glendo	WY	719	7326	285
0449002000B	Glendo	WY	719	7326	285
0449002100B	Glendo	WY	719	7326	285
0449002200B	Glendo	WY	719	7326	285
0020001100B	Guernsey	WY	719	7326	285
0020001200B	Guernsey	WY	719	7326	285
0020001300B	Guernsey	WY	719	7326	285
0020001500B	Guernsey	WY	719	7326	285
0020001600B	Guernsey	WY	719	7326	285
0020001700B	Guernsey	WY	719	7326	285
0020001800B	Guernsey	WY	719	7326	285
0020001900B	Guernsey	WY	719	7326	285
0020002000B	Guernsey	WY	719	7326	285
0020002700B	Guernsey	WY	719	7326	285
0020002800B	Guernsey	WY	719	7326	285

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m²/yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0020003700B	Guernsey	WY	719	7326	285
1049003800B	Guernsey	WY	719	7326	285
1236000500B	Jeffrey City	WY	759	7889	479
1236000700B	Jeffrey City	WY	759	7889	479
0154000100B	Kemmerer	WY	756	8365	266
0154000200B	Kemmerer	WY	805	8365	266
0154000300B	Kemmerer	WY	805	8365	266
0154000400B	Kemmerer	WY	805	8365	266
0154000500B	Kemmerer	WY	805	8365	266
0154000600B	Kemmerer	WY	756	8365	266
0017006400B	Moose	WY	682	7180	421
0017006700B	Moose	WY	682	7180	421
0017110400B	Moose	WY	682	7180	421
1236002900B	Pavillion	WY	748	7889	479
1236006800B	Pavillion	WY	748	7889	479
0026000300B	Powell	WY	638	7164	652
0026002000B	Powell	WY	638	7164	652
0026010100B	Powell	WY	638	7164	652
0026010200B	Powell	WY	638	7164	652
0026010300B	Powell	WY	638	7164	652
0026010400B	Powell	WY	638	7164	652
0285001800B	Shoshoni	WY	759	7889	479
0285002000B	Shoshoni	WY	759	7889	479
0285002100B	Shoshoni	WY	759	7889	479
0285002200B	Shoshoni	WY	759	7889	479
0285002400B	Shoshoni	WY	759	7889	479
0144001200B	Sinclair	WY	795	7682	445
0144001300B	Sinclair	WY	795	7682	445
0144001400B	Sinclair	WY	795	7682	445
0144001700B	Sinclair	WY	795	7682	445
0144002000B	Sinclair	WY	795	7682	445
0144007000B	Sinclair	WY	795	7682	445
0144007100B	Sinclair	WY	795	7682	445
0144007200B	Sinclair	WY	795	7682	445
0144007300B	Sinclair	WY	795	7682	445
0144007400B	Sinclair	WY	795	7682	445
0144007900B	Sinclair	WY	795	7682	445

RPUID Identifier	City	State	Solar Vent Preheat Annual Energy Delivered (kWh/m ² /yr)	Annual Heating Degree Days (65°F)	Annual Cooling Degree Days (65°F)
0144008000B	Sinclair	WY	795	7682	445

Table B1-3. Wind Resource Data at 80 m Height Extracted for Provided Reclamation Facility Locations

Note: The wind resource is very site-specific and can vary greatly over short distances depending on the wind climate.

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m ²)
0351000200B	Bullhead City	AZ	304
0351010700B	Bullhead City	AZ	304
0351011400B	Bullhead City	AZ	304
0351032500B	Bullhead City	AZ	304
0351032600B	Bullhead City	AZ	304
0423000100B	Ehrenberg	AZ	197
0423000200B	Ehrenberg	AZ	197
0423000300B	Ehrenberg	AZ	197
0423000400B	Ehrenberg	AZ	197
03446B1501B	Glendale	AZ	119
1510321502B	Glendale	AZ	119
1510321503B	Glendale	AZ	119
1510321504B	Glendale	AZ	119
1510321505B	Glendale	AZ	119
1510321506B	Glendale	AZ	119
0557000100B	Page	AZ	169
0557000200B	Page	AZ	232
0557000300B	Page	AZ	169
0557000400B	Page	AZ	232
0557000500B	Page	AZ	232
1292000200B	Yuma	AZ	268
1292000300B	Yuma	AZ	268
1292000400B	Yuma	AZ	268
1292000600B	Yuma	AZ	268
1292000700B	Yuma	AZ	268
1292000800B	Yuma	AZ	268

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
1292000900B	Yuma	AZ	268
1292001000B	Yuma	AZ	268
1292001100B	Yuma	AZ	268
1292001200B	Yuma	AZ	268
1292001300B	Yuma	AZ	268
1292001400B	Yuma	AZ	268
1292001500B	Yuma	AZ	268
1292001600B	Yuma	AZ	268
1292001700B	Yuma	AZ	268
1292001800B	Yuma	AZ	268
1292002300B	Yuma	AZ	268
1292002400B	Yuma	AZ	268
0725307100B	Arbuckle	CA	231
0725307200B	Arbuckle	CA	231
0725307300B	Arbuckle	CA	231
0725307400B	Arbuckle	CA	231
0725307500B	Arbuckle	CA	231
0725307600B	Arbuckle	CA	231
0214504800B	Byron	CA	273
0214504801B	Byron	CA	273
0214504802B	Byron	CA	264
0214504803B	Byron	CA	264
0214504804B	Byron	CA	264
0214504805B	Byron	CA	264
0214504806B	Byron	CA	264
0214504807B	Byron	CA	264
0214100501B	Channel Islands National PK	CA	385
0214100502B	Channel Islands National PK	CA	385
0214000100B	Folsom	CA	145
0214000200B	Folsom	CA	145
0214000300B	Folsom	CA	145
0214000400B	Folsom	CA	145
0214000500B	Folsom	CA	145
0214000600B	Folsom	CA	145
0214000800B	Folsom	CA	145

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0214000900B	Folsom	CA	145
0214001000B	Folsom	CA	145
0214003500B	Folsom	CA	145
0214003700B	Folsom	CA	145
0214003900B	Folsom	CA	145
0214010211B	Folsom	CA	145
0214160000B	Folsom	CA	145
0214160100B	Folsom	CA	145
0214160400B	Folsom	CA	145
0214160500B	Folsom	CA	145
0214160600B	Folsom	CA	145
0214166100B	Folsom	CA	145
0214166200B	Folsom	CA	145
0214616000B	Folsom	CA	145
0214616100B	Folsom	CA	145
0214616200B	Folsom	CA	145
0214616300B	Folsom	CA	145
0214616400B	Folsom	CA	145
0012011300B	Fresno	CA	115
0012011400B	Fresno	CA	115
0214111700B	Fresno	CA	118
0767000700B	Fresno	CA	112
0767000800B	Fresno	CA	112
0767001000B	Fresno	CA	112
0767003500B	Fresno	CA	112
0767003600B	Fresno	CA	112
0767003700B	Fresno	CA	112
0767003800B	Fresno	CA	112
0767003900B	Fresno	CA	112
0767004000B	Fresno	CA	112
0214111701B	Friant	CA	102
0214112000B	Friant	CA	102
0214112300B	Friant	CA	102
0214112400B	Friant	CA	102
0214112500B	Friant	CA	102
0214112600B	Friant	CA	102
0214112700B	Friant	CA	102

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0214114200B	Friant	CA	102
0214114400B	Friant	CA	102
0214114500B	Friant	CA	102
0214114900B	Friant	CA	102
0214115100B	Friant	CA	102
0805200200B	Huron	CA	127
0805200300B	Huron	CA	127
0805200400B	Huron	CA	127
0805200500B	Huron	CA	127
0805200600B	Huron	CA	127
0805200700B	Huron	CA	127
0805272000B	Huron	CA	127
0805272100B	Huron	CA	127
0805272200B	Huron	CA	127
0805272300B	Huron	CA	127
0805272400B	Huron	CA	127
0805274400B	Huron	CA	127
0805274500B	Huron	CA	127
0805274600B	Huron	CA	127
0805274700B	Huron	CA	127
0805274800B	Huron	CA	127
0805274900B	Huron	CA	127
0805275000B	Huron	CA	127
0805275100B	Huron	CA	127
0214504000B	Jamestown	CA	113
0416613200B	Lewiston	CA	99
0416613500B	Lewiston	CA	99
0575000100B	Los Banos	CA	161
0413000100B	Napa	CA	135
0413000200B	Napa	CA	133
0413000300B	Napa	CA	133
0413000400B	Napa	CA	133
0413000500B	Napa	CA	135
0413000600B	Napa	CA	135
0413000700B	Napa	CA	133
0413000900B	Napa	CA	133
0413001000B	Napa	CA	133

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0214001900B	Rancho Cordova	CA	166
0214002000B	Rancho Cordova	CA	166
0214614700B	Rancho Cordova	CA	162
0725201500B	Red Bluff	CA	243
0725203000B	Red Bluff	CA	243
0725203100B	Red Bluff	CA	243
0725203400B	Red Bluff	CA	243
0725306400B	Red Bluff	CA	243
0725306500B	Red Bluff	CA	243
0725306600B	Red Bluff	CA	243
0725306700B	Red Bluff	CA	243
0725306800B	Red Bluff	CA	243
0725307700B	Red Bluff	CA	243
0214307900B	Redding	CA	197
0214308300B	Redding	CA	174
0022001500B	Shasta Lake	CA	211
0022002800B	Shasta Lake	CA	211
0022002900B	Shasta Lake	CA	211
0022003000B	Shasta Lake	CA	211
0022003100B	Shasta Lake	CA	211
0214304000B	Shasta Lake	CA	211
0214304700B	Shasta Lake	CA	211
0214304800B	Shasta Lake	CA	211
0214307000B	Shasta Lake	CA	211
0214307100B	Shasta Lake	CA	211
0214307300B	Shasta Lake	CA	211
0214307400B	Shasta Lake	CA	211
0725201800B	Shasta Lake	CA	211
0214515000B	Sonora	CA	107
0214515100B	Sonora	CA	107
0214515200B	Sonora	CA	107
0214515300B	Sonora	CA	107
0214515400B	Sonora	CA	107
0089000103B	Truckee	CA	154
0725200800B	Willows	CA	194
0423000500B	Winterhaven	CA	234

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0423000600B	Winterhaven	CA	234
0423000900B	Winterhaven	CA	234
0423001000B	Winterhaven	CA	234
0423001100B	Winterhaven	CA	234
1298000100B	Alamosa	CO	165
1298000200B	Alamosa	CO	165
1298000600B	Alamosa	CO	165
1298000700B	Alamosa	CO	165
1298000800B	Alamosa	CO	165
1298201600B	Alamosa	CO	165
1298201700B	Alamosa	CO	165
0382000100B	Basalt	CO	76
0382000400B	Basalt	CO	76
1294000100B	Bedrock	CO	104
1294000200B	Bedrock	CO	104
1294000900B	Bedrock	CO	104
1294001000B	Bedrock	CO	88
1294195400B	Bedrock	CO	88
1294195500B	Bedrock	CO	88
0331000100B	Burlington	CO	438
0331000200B	Burlington	CO	438
0331000400B	Burlington	CO	438
0622000100B	Cimarron	CO	114
0622000200B	Cimarron	CO	114
0622000300B	Cimarron	CO	114
0482000100B	Collbran	CO	110
0482201300B	Collbran	CO	110
0622002000B	Crawford	CO	113
0245012800B	Estes Park	CO	227
0008195900B	Grand Junction	CO	149
0482000200B	Grand Junction	CO	152
1295000600B	Grand Junction	CO	135
1295000700B	Grand Junction	CO	135
0622001000B	Gunnison	CO	105
0622001100B	Gunnison	CO	74
1335019000B	Leadville	CO	99
0245007300B	Loveland	CO	230

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0245007400B	Loveland	CO	230
0245011200B	Loveland	CO	230
0245011300B	Loveland	CO	230
0245011600B	Loveland	CO	170
0245011700B	Loveland	CO	170
0245011800B	Loveland	CO	170
0245011900B	Loveland	CO	170
0245012000B	Loveland	CO	170
0245012100B	Loveland	CO	170
0245012300B	Loveland	CO	170
0245012400B	Loveland	CO	170
0245012500B	Loveland	CO	170
0245012600B	Loveland	CO	170
0245013400B	Loveland	CO	230
0245015000B	Loveland	CO	230
0245015500B	Loveland	CO	170
0245015600B	Loveland	CO	230
0245015700B	Loveland	CO	170
0245015800B	Loveland	CO	163
0245016200B	Loveland	CO	230
0245019500B	Loveland	CO	230
0245025700B	Loveland	CO	163
0482000400B	Mesa	CO	138
0482000900B	Mesa	CO	139
0382001200B	Montrose	CO	165
0382021500B	Montrose	CO	165
0622000500B	Montrose	CO	144
0622000600B	Montrose	CO	144
0622000700B	Montrose	CO	137
0622000900B	Montrose	CO	137
0622001200B	Montrose	CO	144
0382018700B	Pueblo	CO	233
0382018800B	Pueblo	CO	233
0382018900B	Pueblo	CO	233
0245005700B	Silverthorne	CO	101
0245006000B	Silverthorne	CO	101
0245006100B	Silverthorne	CO	101

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0245006200B	Silverthorne	CO	101
0245006800B	Silverthorne	CO	101
0017112200B	American Falls	ID	340
0003040200B	Boise	ID	213
0004010100B	Boise	ID	211
0004010400B	Boise	ID	211
0004010600B	Boise	ID	211
0004020400B	Boise	ID	250
0004045600B	Boise	ID	213
1510100100B	Boise	ID	212
1510104550B	Boise	ID	213
0017050100B	Burley	ID	254
0017050200B	Burley	ID	254
0003080100B	Cascade	ID	99
0003080200B	Cascade	ID	99
0003080300B	Cascade	ID	99
0003080400B	Cascade	ID	99
0003080500B	Cascade	ID	99
0003080700B	Cascade	ID	99
0003080800B	Cascade	ID	99
0003081000B	Cascade	ID	99
0003090100B	Cascade	ID	134
0003090300B	Cascade	ID	134
0003090500B	Cascade	ID	134
0003090600B	Cascade	ID	134
0003092400B	Cascade	ID	134
0003051200B	Emmett	ID	132
0003051300B	Emmett	ID	132
0003051400B	Emmett	ID	132
0003051500B	Emmett	ID	132
0003052200B	Emmett	ID	132
0003052300B	Emmett	ID	132
0003052400B	Emmett	ID	132
0003052600B	Emmett	ID	132
0003052700B	Emmett	ID	132
0003052800B	Emmett	ID	132
0003052900B	Emmett	ID	132

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0003054100B	Emmett	ID	132
0003055000B	Emmett	ID	132
0003055500B	Emmett	ID	132
0003055600B	Emmett	ID	132
0456020100B	Irwin	ID	155
0456020300B	Irwin	ID	155
0456020500B	Irwin	ID	155
0456020700B	Irwin	ID	155
0456021600B	Irwin	ID	155
0456021800B	Irwin	ID	155
0456021900B	Irwin	ID	155
0456022000B	Irwin	ID	155
0456022100B	Irwin	ID	155
0456022200B	Irwin	ID	155
0456022300B	Irwin	ID	155
0456030500B	Irwin	ID	155
0456030600B	Irwin	ID	155
0456030700B	Irwin	ID	155
0456031200B	Irwin	ID	155
0456031900B	Irwin	ID	155
0456032000B	Irwin	ID	155
0456032800B	Irwin	ID	155
0456033000B	Irwin	ID	155
0456033200B	Irwin	ID	155
0456033400B	Irwin	ID	155
0456033600B	Irwin	ID	155
0456033900B	Irwin	ID	155
0456034300B	Irwin	ID	155
0456034500B	Irwin	ID	155
0456034800B	Irwin	ID	155
0456034900B	Irwin	ID	155
0456035000B	Irwin	ID	155
0456035400B	Irwin	ID	155
0456035500B	Irwin	ID	155
0004031800B	Mountain Home	ID	101
0004032400B	Mountain Home	ID	101
1308111500B	Ririe	ID	267

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0017051100B	Rupert	ID	240
0017051400B	Rupert	ID	240
0017051500B	Rupert	ID	240
0017051600B	Rupert	ID	240
0017051700B	Rupert	ID	240
ZZZZ1678111010B	Salmon	ID	117
0372000100B	Ellis	KS	366
0372000200B	Ellis	KS	366
0372000300B	Ellis	KS	366
0495000100B	Glen Elder	KS	358
0495000300B	Glen Elder	KS	358
0495001100B	Glen Elder	KS	358
0492000100B	Norton	KS	358
0492000200B	Norton	KS	358
0495000200B	Salina	KS	363
0468000100B	Stockton	KS	346
0468000200B	Stockton	KS	346
0468000300B	Stockton	KS	346
0271000100B	Webber	KS	430
0271000200B	Webber	KS	430
0271003000B	Webber	KS	430
0015001600B	Babb	MT	294
0015001800B	Babb	MT	294
0015002500B	Babb	MT	294
0015002900B	Babb	MT	294
ZZZMTAO200B	Billings	MT	243
0084000200B	Chester	MT	468
0084000300B	Chester	MT	468
0084000400B	Chester	MT	468
ZZZMTAO100B	Chester	MT	368
0015001300B	Havre	MT	327
0015001400B	Havre	MT	327
0015001500B	Havre	MT	327
0015003000B	Havre	MT	327
0296001201B	Helena	MT	183
0296001600B	Helena	MT	183
0296003500B	Helena	MT	183

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0296003501B	Helena	MT	183
0296003600B	Helena	MT	183
0296003900B	Helena	MT	183
0296004000B	Helena	MT	183
0296004100B	Helena	MT	183
0296004200B	Helena	MT	183
0296004300B	Helena	MT	183
0296004400B	Helena	MT	183
0296004500B	Helena	MT	183
0296004700B	Helena	MT	183
0296004800B	Helena	MT	183
0296010200B	Helena	MT	183
0296010300B	Helena	MT	183
0447006700B	Kalispell	MT	118
0447006900B	Kalispell	MT	118
0447007000B	Kalispell	MT	118
0447007200B	Kalispell	MT	118
0459001100B	Lodge Grass	MT	347
0459001200B	Lodge Grass	MT	347
0459001300B	Lodge Grass	MT	347
0459001400B	Lodge Grass	MT	347
0459001500B	Lodge Grass	MT	347
0459001600B	Lodge Grass	MT	347
0459001800B	Lodge Grass	MT	347
0459001900B	Lodge Grass	MT	347
0459002000B	Lodge Grass	MT	347
0459002100B	Lodge Grass	MT	347
0459002200B	Lodge Grass	MT	347
0459002300B	Lodge Grass	MT	347
0459002400B	Lodge Grass	MT	347
0459003100B	Lodge Grass	MT	347
0459003300B	Lodge Grass	MT	347
0459003600B	Lodge Grass	MT	347
0459003700B	Lodge Grass	MT	347
0459003900B	Lodge Grass	MT	347
0459004000B	Lodge Grass	MT	347
0459004200B	Lodge Grass	MT	347

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0459004300B	Lodge Grass	MT	347
0459005200B	Lodge Grass	MT	347
0459005300B	Lodge Grass	MT	347
0459005400B	Lodge Grass	MT	347
0459007100B	Lodge Grass	MT	347
0459007200B	Lodge Grass	MT	347
0459007300B	Lodge Grass	MT	347
0459007500B	Lodge Grass	MT	347
0459007600B	Lodge Grass	MT	347
0459016600B	Lodge Grass	MT	347
0459016700B	Lodge Grass	MT	347
0459016800B	Lodge Grass	MT	347
0459016900B	Lodge Grass	MT	347
0459017000B	Lodge Grass	MT	347
0459019000B	Lodge Grass	MT	347
0015000500B	Malta	MT	328
0084000500B	Sanford	NC	140
0084001400B	Sanford	NC	140
0084001500B	Sanford	NC	140
0084001600B	Sanford	NC	140
0084001700B	Sanford	NC	140
0084001800B	Sanford	NC	140
0084001900B	Sanford	NC	140
0084002100B	Sanford	NC	140
0084002200B	Sanford	NC	140
0084003900B	Sanford	NC	140
0084004000B	Sanford	NC	140
0769811000B	Bismarck	ND	414
1112000100B	Elgin	ND	515
1112000200B	Elgin	ND	515
0769810100B	McClusky	ND	390
0769810200B	New Rockford	ND	374
0769830100B	Oakes	ND	409
0328000400B	Cambridge	NE	381
0328000500B	Cambridge	NE	350
0328000600B	Cambridge	NE	381
0328000100B	Enders	NE	347

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0328000200B	Enders	NE	347
0328002800B	McCook	NE	332
0328002900B	McCook	NE	332
0328003000B	McCook	NE	332
1047000500B	McCook	NE	332
1047001200B	McCook	NE	332
1047001300B	McCook	NE	332
1047002000B	McCook	NE	332
1047002100B	McCook	NE	332
1047002500B	McCook	NE	332
0328000800B	Trenton	NE	318
0328000900B	Trenton	NE	318
0328001000B	Trenton	NE	318
0328001100B	Trenton	NE	318
0328004000B	Trenton	NE	318
0163DO7941B	Alamogordo	NM	194
0711002000B	Blanco	NM	162
0711002100B	Blanco	NM	162
0711002200B	Blanco	NM	162
0711002300B	Blanco	NM	162
0711005100B	Blanco	NM	162
0711202100B	Bloomfield	NM	181
0465000100B	Chama	NM	156
0465000400B	Chama	NM	156
0465000500B	Chama	NM	156
0465000600B	Chama	NM	156
0465000900B	Chama	NM	143
0163000800B	Socorro	NM	224
0163000900B	Socorro	NM	224
0163001500B	Socorro	NM	224
0163002500B	Socorro	NM	224
0163003000B	Socorro	NM	224
0163202500B	Socorro	NM	186
0465000200B	Tierra Amarilla	NM	164
0465000300B	Tierra Amarilla	NM	164
0024000100B	Truth or Consequences	NM	154

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0024000200B	Truth or Consequences	NM	154
0024000300B	Truth or Consequences	NM	154
0024000400B	Truth or Consequences	NM	154
0024000500B	Truth or Consequences	NM	154
0024000600B	Truth or Consequences	NM	154
0024004100B	Truth or Consequences	NM	208
0351011900B	Parker Dam	CA	229
0351012000B	Parker Dam	CA	229
0351012200B	Parker Dam	CA	229
0351015000B	Parker Dam	CA	229
0351015100B	Parker Dam	CA	229
0351015200B	Parker Dam	CA	229
0351020400B	Parker Dam	CA	229
0045000300B	Boulder City	NV	261
0045000900B	Boulder City	NV	261
0045001100B	Boulder City	NV	261
0045001200B	Boulder City	NV	261
0045001400B	Boulder City	NV	261
0045001500B	Boulder City	NV	261
0045001600B	Boulder City	NV	261
0045001700B	Boulder City	NV	261
0045002400B	Boulder City	NV	261
0045003800B	Boulder City	NV	261
0045003900B	Boulder City	NV	261
0045004000B	Boulder City	NV	261
0045004100B	Boulder City	NV	261
0045004200B	Boulder City	NV	261
0045004300B	Boulder City	NV	261
0045004400B	Boulder City	NV	261
0045004500B	Boulder City	NV	261
0045004600B	Boulder City	NV	261

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0045004700B	Boulder City	NV	261
0045004800B	Boulder City	NV	261
0045004900B	Boulder City	NV	261
0045005000B	Boulder City	NV	261
0045005100B	Boulder City	NV	261
1510300100B	Boulder City	NV	275
1510300200B	Boulder City	NV	275
1510300300B	Boulder City	NV	249
1510300400B	Boulder City	NV	261
1510300500B	Boulder City	NV	259
1510300600B	Boulder City	NV	232
1510300700B	Boulder City	NV	249
1510300800B	Boulder City	NV	249
1510300900B	Boulder City	NV	249
1510301000B	Boulder City	NV	249
1510301100B	Boulder City	NV	249
1510301200B	Boulder City	NV	249
1510301300B	Boulder City	NV	249
1510301400B	Boulder City	NV	249
1510301500B	Boulder City	NV	249
1510301600B	Boulder City	NV	249
1510301700B	Boulder City	NV	249
1878000100B	Boulder City	NV	249
1878000200B	Boulder City	NV	249
1878000300B	Boulder City	NV	249
1878000400B	Boulder City	NV	249
1878000500B	Boulder City	NV	249
0089000101B	Carson City	NV	148
0029001200B	Fallon	NV	168
OTAO000200B	Oklahoma City	OK	255
0415000900B	Ashland	OR	149
0417001400B	Gaston	OR	191
0417001700B	Gaston	OR	191
0030000700B	Hermiston	OR	222
0030001100B	Hermiston	OR	222
0012007920B	Klamath Falls	OR	183
0012011000B	Klamath Falls	OR	183

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0012011100B	Klamath Falls	OR	183
0012011200B	Klamath Falls	OR	183
0012011700B	Klamath Falls	OR	183
0030000500B	Pendleton	OR	161
0030000600B	Pendleton	OR	161
0030010200B	Pendleton	OR	161
0276000100B	Lemmon	SD	480
0276000200B	Lemmon	SD	480
0276000300B	Lemmon	SD	480
0469810100B	Pierre	SD	336
0469810200B	Pierre	SD	336
OTAO000100B	Austin	TX	100
0591001000B	Dutch John	UT	135
0591001700B	Dutch John	UT	135
0591002000B	Dutch John	UT	149
0591002100B	Dutch John	UT	149
0591002500B	Dutch John	UT	149
0591002900B	Dutch John	UT	132
0591003500B	Dutch John	UT	137
0591003700B	Dutch John	UT	135
0591003800B	Dutch John	UT	132
0591004300B	Dutch John	UT	149
0591004900B	Dutch John	UT	137
0591005000B	Dutch John	UT	149
0591005200B	Dutch John	UT	137
0591005600B	Dutch John	UT	132
0591006000B	Dutch John	UT	135
0591006200B	Dutch John	UT	135
0591006400B	Dutch John	UT	135
0591006500B	Dutch John	UT	186
0591006700B	Dutch John	UT	135
0591007000B	Dutch John	UT	135
0591007100B	Dutch John	UT	186
0591008000B	Dutch John	UT	135
0591008200B	Dutch John	UT	135
0591008400B	Dutch John	UT	135
05911625B0B	Dutch John	UT	135

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0591162600B	Dutch John	UT	135
0591190800B	Dutch John	UT	135
0591006900B	Manila	UT	103
0244000200B	Pleasant Grove	UT	123
0244000300B	Pleasant Grove	UT	151
0244000400B	Pleasant Grove	UT	123
0244000500B	Pleasant Grove	UT	151
0244000600B	Pleasant Grove	UT	151
0244000700B	Pleasant Grove	UT	123
0066000100B	Provo	UT	140
0244002000B	Roosevelt	UT	63
0033009400B	Benton City	WA	187
0033009500B	Benton City	WA	187
0033012100B	Benton City	WA	187
0033011600B	Cle Elum	WA	86
0033012500B	Cle Elum	WA	167
0033013600B	Cle Elum	WA	182
0033016000B	Cle Elum	WA	167
0222020500B	Connell	WA	227
0222020600B	Connell	WA	227
0222020800B	Connell	WA	227
0222020100B	Coulee City	WA	239
0222020200B	Coulee City	WA	239
0222220100B	Ephrata	WA	272
0222220200B	Ephrata	WA	308
0222220300B	Ephrata	WA	308
0222220400B	Ephrata	WA	308
0222220500B	Ephrata	WA	308
5222000100B	Grand Coulee	WA	236
5222000200B	Grand Coulee	WA	236
5222010100B	Grand Coulee	WA	236
5222010200B	Grand Coulee	WA	236
5222010300B	Grand Coulee	WA	236
5222010700B	Grand Coulee	WA	236
5222010800B	Grand Coulee	WA	236
5222011400B	Grand Coulee	WA	236
5222011500B	Grand Coulee	WA	236

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
5222011600B	Grand Coulee	WA	236
5222011700B	Grand Coulee	WA	236
5222011800B	Grand Coulee	WA	236
5222011900B	Grand Coulee	WA	236
5222012000B	Grand Coulee	WA	236
5222012100B	Grand Coulee	WA	236
5222012200B	Grand Coulee	WA	236
5222012300B	Grand Coulee	WA	236
5222012400B	Grand Coulee	WA	236
5222012600B	Grand Coulee	WA	236
5222012700B	Grand Coulee	WA	236
5222012800B	Grand Coulee	WA	236
5222012900B	Grand Coulee	WA	236
5222013000B	Grand Coulee	WA	236
5222013100B	Grand Coulee	WA	236
5222013200B	Grand Coulee	WA	236
5222013300B	Grand Coulee	WA	236
5222013500B	Grand Coulee	WA	236
5222013600B	Grand Coulee	WA	236
5222013800B	Grand Coulee	WA	236
5222013900B	Grand Coulee	WA	236
5222014100B	Grand Coulee	WA	236
5222014200B	Grand Coulee	WA	236
5222014300B	Grand Coulee	WA	236
5222014400B	Grand Coulee	WA	236
5222014500B	Grand Coulee	WA	236
5222014800B	Grand Coulee	WA	236
0033000300B	Naches	WA	196
0033010000B	Naches	WA	116
0033013000B	Naches	WA	196
ZZZZ1678110200B	Twisp	WA	97
0033011400B	Yakima	WA	174
0033011500B	Yakima	WA	174
0033012000B	Yakima	WA	174
0033012300B	Yakima	WA	175
0033012400B	Yakima	WA	175
0033012600B	Yakima	WA	175

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0033013200B	Yakima	WA	175
0033013500B	Yakima	WA	175
0033013900B	Yakima	WA	175
0033015000B	Yakima	WA	190
1510015900B	Yakima	WA	174
0020000100B	Casper	WY	392
0020000200B	Casper	WY	392
0020000300B	Casper	WY	392
0020004400B	Casper	WY	392
0144000200B	Casper	WY	527
0144003600B	Casper	WY	392
0144003700B	Casper	WY	392
0144003800B	Casper	WY	392
0144005000B	Casper	WY	555
0144005100B	Casper	WY	555
0144005600B	Casper	WY	527
0144005700B	Casper	WY	392
0144006900B	Casper	WY	392
0144007800B	Casper	WY	392
0144008100B	Casper	WY	392
0467006400B	Casper	WY	555
1049002000B	Casper	WY	498
1049002400B	Casper	WY	498
1049002600B	Casper	WY	498
1049002700B	Casper	WY	498
1049003100B	Casper	WY	498
1049003200B	Casper	WY	498
1049003300B	Casper	WY	498
1049003400B	Casper	WY	498
1049003500B	Casper	WY	498
1049003600B	Casper	WY	498
1049005700B	Casper	WY	498
1049005800B	Casper	WY	498
1049005900B	Casper	WY	498
1049006000B	Casper	WY	498
1049006100B	Casper	WY	498
0467001700B	Cody	WY	350

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0467003900B	Cody	WY	469
0467004000B	Cody	WY	350
0467004100B	Cody	WY	469
0467004200B	Cody	WY	350
0467004300B	Cody	WY	350
1458010200B	Cody	WY	350
1458010700B	Cody	WY	350
1458010900B	Cody	WY	350
0154000700B	Cokeville	WY	274
0154000800B	Cokeville	WY	274
0154000900B	Cokeville	WY	274
0154001000B	Cokeville	WY	274
0449000100B	Glendo	WY	350
0449001300B	Glendo	WY	350
0449002000B	Glendo	WY	350
0449002100B	Glendo	WY	350
0449002200B	Glendo	WY	350
0020001100B	Guernsey	WY	369
0020001200B	Guernsey	WY	369
0020001300B	Guernsey	WY	369
0020001500B	Guernsey	WY	369
0020001600B	Guernsey	WY	369
0020001700B	Guernsey	WY	369
0020001800B	Guernsey	WY	369
0020001900B	Guernsey	WY	369
0020002000B	Guernsey	WY	369
0020002700B	Guernsey	WY	369
0020002800B	Guernsey	WY	369
0020003700B	Guernsey	WY	369
1049003800B	Guernsey	WY	369
1236000500B	Jeffrey City	WY	367
1236000700B	Jeffrey City	WY	367
0154000100B	Kemmerer	WY	242
0154000200B	Kemmerer	WY	279
0154000300B	Kemmerer	WY	279
0154000400B	Kemmerer	WY	279
0154000500B	Kemmerer	WY	279

RPUID Identifier	City	State	Annual Wind Power Density at 80 m height (W/m²)
0154000600B	Kemmerer	WY	242
0017006400B	Moose	WY	315
0017006700B	Moose	WY	315
0017110400B	Moose	WY	315
1236002900B	Pavillion	WY	228
1236006800B	Pavillion	WY	228
0026000300B	Powell	WY	224
0026002000B	Powell	WY	224
0026010100B	Powell	WY	224
0026010200B	Powell	WY	224
0026010300B	Powell	WY	224
0026010400B	Powell	WY	224
0285001800B	Shoshoni	WY	213
0285002000B	Shoshoni	WY	213
0285002100B	Shoshoni	WY	213
0285002200B	Shoshoni	WY	213
0285002400B	Shoshoni	WY	213
0144001200B	Sinclair	WY	526
0144001300B	Sinclair	WY	526
0144001400B	Sinclair	WY	526
0144001700B	Sinclair	WY	526
0144002000B	Sinclair	WY	526
0144007000B	Sinclair	WY	526
0144007100B	Sinclair	WY	526
0144007200B	Sinclair	WY	526
0144007300B	Sinclair	WY	526
0144007400B	Sinclair	WY	526
0144007900B	Sinclair	WY	526
0144008000B	Sinclair	WY	526