

Appendix O

Existing Renewable Energy Projects Within DRECP Plan Area

O EXISTING RENEWABLE ENERGY PROJECTS WITHIN DRECP PLAN AREA

Background. The list of projects included in this file was developed to help define the number and capacity of existing renewable energy projects in the Plan Area. These projects are considered part of the affected environment in the EIS Volume III. A map indicating the locations of these projects is presented as Figure III.1-2.

Existing projects include those that are either operational or under construction as of August 2015. Two tables are attached:

- Table O-1: Summary of Existing RE Projects (data summarized from Table O-2)
- Table O-2: Existing RE Projects (all projects)

Table O-1 below presents the acreage of existing renewable energy projects in the DRECP Plan Area. For informational purposes, 45% (13,081 acres) of the land affected by existing renewable energy projects on BLM administered land are located in the Preferred Alternative DFAs, as defined in Volume II. This represents less than 2.2% of the DFA acreage for the Preferred Alternative.

**Table O-1
Summary of Existing Renewable Energy (RE) Projects in the DRECP Plan Area**

	Generation Capacity		Acreage			
	Total MW	Percent of Total MW	Percent of Total Acres	Total Acres of RE Projects in the Plan Area	Total Acres of RE Projects in DFAs*	Percent of Total RE Project Acreage in DFAs*
BLM-Administered Public Lands – Total	2,855	36%	30%	29,128	13,081	45%
Wind	615	22%	52%	15,028	2,592	17%
Solar	2,240	78%	48%	14,100	10,489	74%
Private Lands and Other Public Lands – Total	5,019	64%	70%	68,460	N/A	N/A
Wind	2,015	40%	65%	44,643	N/A	N/A
Solar	2,904	58%	35%	23,272	N/A	N/A
Geothermal	100	2%	0.1%	545	N/A	N/A
Total RE Projects	7,874	100%	100%	97,588	13,081	N/A

* The DFA locations for the Preferred Alternative are used to define in this exercise. While the sizes and locations of DFAs vary among alternatives, this data provides an example of the locations of the existing renewable energy in comparison with the proposed DFAs. The total acres of DFAs in the Preferred Alternative is 2,027,693.

Table O-2
Existing Renewable Energy Projects (Operational or Under Construction)

Project ID # and Name	MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation	
<i>Projects on BLM Administered Land</i>								
1	Ocotillo Express Wind	315	921,690	12,436	OP	Wind	Imperial	Unallocated
2	Alta East Wind	300	877,800	2,592	OP	Wind	Kern	DFA
3	Genesis NextEra	250	537,500	1,950	OP	Solar Trough	Riverside	DFA
4	Desert Sunlight Solar Farm	550	1,182,500	4,144	OP	Solar PV	Riverside	DFA
5	Ivanpah Solar Electric Generating System	390	838,500	3,471	OP	Solar Power Tower	San Bernardino	Unallocated
7	Stateline Solar Farm	300	877,800	140	UC	Solar PV	San Bernardino	Unallocated
6	McCoy Solar Energy Project	750	1,612,500	4,395	UC	Solar PV	Riverside	DFA
<i>Projects on Private and other Public Land</i>								
6	SunPeak Solar	23	49,450	123	OP	Solar PV	Imperial	N/A
7	Hudson Ranch I	49.9	257,434	305	OP	Geothermal	Imperial	N/A
8	ORNI 18	50	257,950	240	OP	Geothermal	Imperial	N/A
9	Centinela Solar	170	365,500	2,067	OP	Solar PV	Imperial	N/A
10	Imperial Solar Energy Center South* (C Solar South)	130	279,500	946	OP	Solar PV	Imperial	N/A
11	Imperial Solar Energy Center West* (C Solar West)	250	537,500	1,100	UC	Solar PV	Imperial	N/A

**Table O-2
Existing Renewable Energy Projects (Operational or Under Construction)**

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
11	Campo Verde Solar	139	298,850	1,990	OP	Solar PV	Imperial	N/A
12	Mount Signal Solar Farm	200	430,000	1,409	OP	Solar PV	Imperial	N/A
13	Solar Gen 2 (Arkansas, Alhambra, Sonora)	150	322,500	1,500	UC	Solar PV	Imperial	N/A
14	Coram Ridge Wind Project	102	298,452	n/a	OP	Wind	Kern	N/A
15	Windstar (Aero Energy)	120	351,120	1,007	OP	Wind	Kern	N/A
16	Alta Wind (I-VI and VIII)	1020	2,984,520	13,785	OP	Wind	Kern	N/A
17	Pine Tree Wind Farm	120	351,120	8,000	OP	Wind	Kern	N/A
18	Pacific Wind LLC	140	409,640	8,300	OP	Wind	Kern	N/A
19	Coram, Inc.	8	23,408	130	OP	Wind	Kern	N/A
20	Borrego Solar Farm (at Edwards Air Force Base)	3.4	7,310	n/a	OP	Solar PV	Kern	N/A
21	Pine Tree Solar	8.5	18,275	34	OP	Solar PV	Kern	N/A
22	Pinyon Pines I (168 MW) and II (132 MW) formerly known as Alta Wind VII and IX)	300	877,800	included in acreage for Alta Wind (#16)	OP	Wind	Kern	N/A
23	North Sky River Energy	163	476,938	12,781	UC	Wind	Kern	N/A
24	China Lake	13.78	29,627	118	OP	Solar PV	Kern	N/A
25	Catalina Renewable Energy Project aka Solar	143	307,450	1,223	OP	Solar PV	Kern	N/A
26	RE Rio Grande	5	10,750	47	OP	Solar PV	Kern	N/A

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Existing Renewable Energy Projects (Operational or Under Construction)**

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
27	Rosamond I	20	43,000	320	UC	Solar PV	Kern	N/A
28	Rosamond II	20	43,000	160	UC	Solar PV	Kern	N/A
29	Jawbone Wind	39	114,114	640	UC	Wind	Kern	N/A
30	Barren Ridge I Solar Project	74	159,100	588	UC	Solar PV	Kern	N/A
	Beacon Solar Energy Project	250	537,500	2,320	UC	Solar PV	Kern	N/A
30	AVSP 1 (Solar Star California XIX)	579	1,244,850	3,200	UC	Solar PV	Kern and LA County	N/A
31	Adelanto Solar	10	21,500	42	OP	Solar PV	Los Angeles	N/A
32	Absolutely Solar (CUP 11-02)	3.4	7,310	20	OP	Solar PV	Los Angeles – Lancaster	N/A
33	Alpine Solar Project	66	141,900	835	OP - Feb 2013 (Note 2)	Solar PV	Los Angeles	N/A
34	TA High Desert – Solar PV	20	43,000	216	OP - July 2013	Solar PV	Los Angeles–Lancaster	N/A
35	Sunlight Partners (CUP 10-23)	1.5	3,225	20	OP	Solar PV	Los Angeles	N/A
36	Horn PV (CUP 12-11)	1.5	3,225	20	UC	Solar PV	Los Angeles	N/A
37	Solar Electric Solutions LLC (SPR5-10-2)	2	4,300	17	UC	Solar PV	Los Angeles	N/A
38	Del Sur Solar (CUP 10-22)	38	81,700	180	UC	Solar PV	Los Angeles	N/A

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Existing Renewable Energy Projects (Operational or Under Construction)**

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
39	NextLight Antelope Valley (AV Solar Ranch) PV1	115	247,250	1,050	OP	Solar PV	Los Angeles–Lancaster	N/A
40	NextLight Antelope Valley (AV Solar Ranch) PV2	115	247,250	1,050	UC	Solar PV	Los Angeles–Lancaster	N/A
41	FSE Blythe 1	21	45,150	200	OP	Solar PV	Riverside	N/A
42	SEPV2- Twentynine Palms Solar	2	4,300	20	OP	Solar PV	San Bernardino–29 Palms	N/A
43	SEPV8, LLC	12	25,800	100	OP	Solar PV	San Bernardino–29 Palms	N/A
44	SEPV9, LLC	9	19,350	80	OP	Solar PV	San Bernardino–29 Palms	N/A
45	Abengoa Mojave Solar	250	537,500	1,765	OP	Solar trough	San Bernardino	N/A
46	Cascade Solar	18.5	39,775	150	UC	Solar PV	San Bernardino	N/A
47	Sunlight Partners Apple Valley (Nunn)	1	2,150	10	OP	Solar PV	San Bernardino	N/A
48	Sunlight Partners El Mirage	2.5	5,375	26	OP	Solar PV	San Bernardino	N/A
49	Avalon Solar Development	2	4,300	18.5	UC	Solar PV	San Bernardino	N/A
50	Cemex Black Mountain Quarry Wind	1.5	4,389	n/a	OP	Wind	San Bernardino	N/A
51	Cemex Victorville Wind	1.6	4,682	n/a	OP	Wind	San Bernardino	N/A

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 Existing Renewable Energy Projects (Operational or Under Construction)**

Project ID # and Name		MW	Estimated Production (MWh)	Acres	Status UC: Under Construction OP: Operational	Technology	County	DRECP Land Designation
52	NRG Solar Borrego I	26	55,900	308	OP	Solar PV	San Diego	N/A
53	Sol Orchard 1-4, 6-10, 12-17	8.5	18,275	n/a	Note 2	Solar PV	San Diego	N/A

Notes:

- ¹ The 835 acres would be sufficient for the Phase 2 26 MW additional.
- ² Location uncertain - throughout SDG&E territory (9 PPAs terminated per CPUC RPS Tracking table)

n/a = Data not available.

DFA = Development Focus Area