

DOCKETED

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Document Title:	REVISED 2020 Power Source Disclosure Filing
Description:	REVISED 2020 Power Disclosure Filing of Direct Energy Business, LLC
Filer:	Barbara Farmer
Organization:	Direct Energy Business, LLC
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2020 POWER SOURCE DISCLOSURE ANNUAL REPORT For the Year Ending December 31, 2020

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

GENERAL INSTRUCTIONS

RETAIL SUPPLIER NAME	
	Direct Energy Business, LLC
ELECTRICITY PORTFOLIO NAME	
CONTACT INFORMATION	
NAME	Barbara Farmer
TITLE	Regulatory Reporting Analyst
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Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to PSDprogram@energy.ca.gov. Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office>.

If you have questions, contact Power Source Disclosure (PSD) staff at PSDprogram@energy.ca.gov or (916) 639-0573.

INTRODUCTION

Retail suppliers are required to submit separate Annual Reports for each electricity portfolio offered to California retail consumers in the previous calendar year. Enter the Retail Supplier Name and Electricity Portfolio Name at the top of Schedule 1, Schedule 2, Schedule 3, and the Attestation.

A complete Annual Report includes the following tabs:

PSD Intro
Instructions
Schedule 1 - Procurements and Retail Sales
Schedule 2 - Retired Unbundled Renewable Energy Credits (RECs)
Schedule 3 - Annual Power Content Label Data
GHG Emissions Factors
Asset-Controlling Supplier (ACS) Procurement Calculator
PSD Attestation

INSTRUCTIONS

Schedule 1: Procurements and Retail Sales

Retail suppliers of electricity must complete this schedule by entering information about all power procurements and generation that served the identified electricity portfolio covered in this filing in the prior year. The schedule is divided into sections: directly delivered renewables, firmed-and-shaped imports, specified non-renewables, and procurements from ACSs. Insert additional rows as needed to report all procurements or generation serving the subject product. Provide the annual retail sales for the subject product in the appropriate space. At the bottom of Schedule 1, provide the retail suppliers' other electricity end-uses that are not retail sales, such as transmission and distribution losses. Retail suppliers shall submit a purchase agreement or ownership arrangement documentation substantiating that any eligible firmed-and-shaped product for which it is claiming an exclusion was executed prior to January 1, 2019. **Any retail supplier that offered multiple electricity portfolios in the prior year must submit separate Annual Reports for each portfolio offered.**

Specified Purchases: A Specified Purchase refers to a transaction in which electricity is traceable to specific generating facilities by any auditable contract trail or equivalent, such as a tradable commodity system, that provides commercial verification that the electricity claimed has been sold once and only once to retail consumers. Do not enter data in the grey fields. For specified purchases, include enter following information for each line item:

Facility Name - Provide the name used to identify the facility.

Fuel Type - Provide the resource type (solar, natural gas, etc.) that this facility uses to generate electricity.

Location - Provide the state or province in which the facility is located.

Identification Numbers - Provide all applicable identification numbers from the Western Renewable Energy Generation Information System (WREGIS), the Energy Information Agency (EIA), and the California Renewables Portfolio Standard (RPS).

Gross Megawatt Hours Procured - Provide the quantity of electricity procured in MWh from the generating facility.

Megawatt Hours Resold - Provide the quantity of electricity resold at wholesale.

Unspecified Power: Unspecified Power refers to electricity that is not traceable to specific generation sources by any auditable contract trail or equivalent, or to power purchases from a transaction that expressly transferred energy only and not the RECs associated from a facility. **Do not enter procurements of unspecified power.** The schedule will calculate unspecified power procurements automatically.

Schedule 2: Retired Unbundled RECs

Complete this schedule by entering information about unbundled REC retirements in the previous calendar year.

Schedule 3: Annual Power Content Label Data

This schedule is provided as an automated worksheet that uses the information from Schedule 1 to calculate the power content and GHG emissions intensity for each electricity portfolio. The percentages calculated on this worksheet should be used for your Power Content Label.

ACS Resource Mix Calculator

Retail suppliers may report specified purchases from ACS system power if the ACS provided its fuel mix of its specified system mix to the Energy Commission. Use the calculator to determine the resource-specific procurement quantities, and transfer them to Schedule 1.

GHG Emissions Factors

This tab will be displayed for informational purposes only; it will not be used by reporting entities, since the emissions factors below auto-populate in the relevant fields on Schedules 1 & 3.

Attestation

This template provides the attestation that must be submitted with the Annual Report to the Energy Commission, stating that the information contained in the applicable schedules is correct and that the power has been sold once and only once to retail consumers. This attestation must be included in the package that is transmitted to the Energy Commission. Please provide the complete Annual Report in Excel format and the complete Annual Report with signed attestation in PDF format as well.

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2020
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO NAME)

Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. **Fields in grey auto-populate as needed and should not be filled out.** For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "unspecified", "BPA," "Powerex," or "Tacoma" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. **Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell N9.** Unbundled RECs must not be entered on Schedule 1; these products must be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

Retail Sales (MWh)	2,639,649
Net Specified Procurement (MWh)	709,850
Unspecified Power (MWh)	1,929,799
Procurement to be adjusted	-
Net Specified Natural Gas	-
Net Specified Coal & Other Fossil Fuels	-
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	709,850
GHG Emissions (excludes grandfathered emissions)	863,904
GHG Emissions Intensity (in MT CO ₂ e/MWh)	0.3273

DIRECTLY DELIVERED RENEWABLES													
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (in MT CO ₂ e/MWh)	GHG Emissions (in MT CO ₂ e)	N/A
Alta Wind IV - Alta Wind IV	Wind	CA	W2013	61093A		57293	10,000	10,000	-	-	-	-	
Alta Wind IX - Alta 9	Wind	CA	W2904	62245A		58395	10,000	-	10,000	10,000	-	-	
Alta Wind V - Alta Wind V	Wind	CA	W2068	61094A		57294	10,000	10,000	-	-	-	-	
Alta Wind X, LLC - Alta Wind X, LLC	Wind	CA	W3537	62244A		58394	25,000	25,000	-	-	-	-	
Altwind 1 - Altwind 1	Wind	CA	W516	60403A		P1	447	447	-	-	-	-	
Altwind 2 - Altwind 2	Wind	CA	W514	60402A		P2	976	976	-	-	-	-	
Altwind 3 - Altwind 3	Wind	CA	W749	60403A		P3	161	-	161	161	-	-	
Atwell Island - Atwell Island PV Solar Generating Facility	Solar	CA	W3159	60947A		58366	4,193	4,193	-	-	-	-	
Avenal Park - Avenal Park LLC	Solar	CA	W2074	60912A		57359	1,064	1,064	-	-	-	-	
Biglow Canyon Wind Farm - Biglow Phase 2	Wind	OR	W1268	63055A		56485	11,960	-	11,960	11,960	-	-	
Cabazon Wind Partners - Cabazon Wind Partners	Wind	CA	W834	60736A		56011	2,603	1,699	904	904	-	-	
California Valley Solar Ranch - Block 1	Solar	CA	W2847	60603A		57439	6,504	6,504	-	-	-	-	
California Valley Solar Ranch - Block 2	Solar	CA	W3106	60603A		57439	2,595	2,595	-	-	-	-	
California Valley Solar Ranch - Block 3	Solar	CA	W3111	60603A		57439	36,832	36,832	-	-	-	-	
California Valley Solar Ranch - Block 4	Solar	CA	W3187	60603A		57439	12,061	12,061	-	-	-	-	
Cameron Ridge, LLC (III) - Cameron Ridge LLC (III)	Wind	CA	W407	60392A		10586	7,188	3,132	4,056	4,056	-	-	
Campo Verde Solar Project - Campo Verde Solar	Solar	CA	W3591	60652A		58467	106,475	86,394	20,081	20,081	-	-	
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A		P149	16,759	44	16,715	16,715	-	-	
CED White River Solar - CED White River Solar	Solar	CA	W3406	60949A		58373	5,893	5,893	-	-	-	-	
Colgreen North Shore - Colgreen North Shore	Solar	CA	W7283	61866A		60825	180,888	41,824	139,064	139,064	-	-	
Desert Winds I - Desert Winds I	Wind	CA	W521	60397A		P4	2,137	2,137	-	-	-	-	
Desert Winds II Pwr Purch Trst - Desert Winds II Pwr Purch Trst	Wind	CA	W522	60422A		P5	11,092	7,285	3,807	3,807	-	-	
Desert Winds III - Desert Winds III	Wind	CA	W523	60423A		P6	3,434	3,434	3,434	3,434	-	-	
Dillon - Dillon Wind LLC	Wind	CA	W728	60542A		56791	30,000	30,000	-	-	-	-	
Dokie Wind - Dokie Wind	Wind	BC	W1992	61360A		P150	25,219	4,253	20,966	20,966	-	-	
Geysers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60010A		286	23	23	-	-	0.0363	-	
Geysers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60025A		286	399	399	-	-	0.0363	-	
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60004A		286	30,588	30,588	-	-	0.0363	-	
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60010A		286	29,452	23,326	6,126	6,126	0.0363	222	
Geysers Power Plant - Calpine Geothermal Unit 13	Geothermal	CA	W121	60005A		286	28,717	28,717	-	-	0.0363	-	
Geysers Power Plant - Calpine Geothermal Unit 13	Geothermal	CA	W121	60010A		286	22,516	17,942	4,574	4,574	0.0363	166	
Geysers Power Plant - Calpine Geothermal Unit 14	Geothermal	CA	W122	60026A		286	60,834	30,417	30,417	30,417	0.0363	1,104	
Geysers Power Plant - Calpine Geothermal Unit 16	Geothermal	CA	W123	60006A		286	20,458	10,229	10,229	10,229	0.0363	371	
Kumeyaay Wind Farm - Kumeyaay Wind Farm	Wind	CA	W138	60432A		56295	143,525	96,305	47,220	47,220	-	-	
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A		P151	63,440	6,422	57,018	57,018	-	-	
Mesquite Solar 2, LLC - Mesquite Solar 2, LLC	Solar	AZ	W5299	60875A		60307	30,000	28,250	1,750	1,750	-	-	
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A		P152	804	804	804	804	-	-	
Mountain View Power Partners IV - Mountain View IV	Wind	CA	W2519	60487A		57459	15,000	11,667	3,333	3,333	-	-	
Mt. Poso Cogeneration Facility - MTNPOS_1 UNIT	Biomass & biowa	CA	W1091	60695A		54626	21,578	21,578	-	-	0.0326	-	
Mustang Hills, LLC - Mustang Hills, LLC	Wind	CA	W2482	61287A		57833	10,000	10,000	-	-	-	-	
Oak Creek Wind Power, LLC - Oak Creek Wind Power, LLC	Wind	CA	W509	60429A		50754	3,342	1,217	2,125	2,125	-	-	
Oasis Power Partners, LLC - Oasis Power Partners, LLC	Wind	CA	W131	60489A		56302	10,436	3,693	6,743	6,743	-	-	
Pacific Lumber Co. - Pacific Lumber Co. Unit 1	Biomass & biowa	CA	W645	60083A		50049	10,652	10,652	10,652	10,652	0.0523	557	
Pacific Lumber Co. - Pacific Lumber Co. Unit 2	Biomass & biowa	CA	W790	60083A		50049	19,674	19,674	19,674	19,674	0.0523	1,028	
Pacific Lumber Co. - Pacific Lumber Co. Unit 3	Biomass & biowa	CA	W791	60083A		50049	19,674	19,674	19,674	19,674	0.0523	1,028	
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A		P153	4,538	4,538	4,538	4,538	-	-	
Quality Wind - Quality Wind	Wind	BC	W3160	62247A		P154	29,261	3,873	25,388	25,388	-	-	
Regulus Solar, LLC - Regulus Solar, LLC	Solar	CA	W4387	61428A		57650	5,000	5,000	5,000	5,000	-	-	
Ridgetop Energy, LLC - Ridgetop Energy, LLC (I)	Wind	CA	W406	60375A		10597	6,454	2,915	3,539	3,539	-	-	

Ridgetop Energy, LLC (II) - Ridgetop Energy, LLC (II)	Wind	CA	W408	60407A			10597	3,640	1,259	2,381	2,381	-	-	-	-
Rising Tree Wind Farm III LLC - Rising Tree Wind Farm III LLC	Wind	CA	W4612	62426A			59236	20,000	20,000	-	-	-	-	-	-
San Geronio East - San Geronio East	Wind	CA	W4764	63228A		P8		2,846	696	2,150	2,150	-	-	-	-
Sand Drag - Sand Drag LLC	Solar	CA	W2072	60914A			57361	3,504	3,504	-	-	-	-	-	-
SEGS VIII - Luz Solar Partners Ltd. VIII	Solar	CA	W482	60365A			10444	10,635	3,186	7,449	7,449	0.0909	677	-	-
Seneca Sustainable Energy - Seneca Sustainable Energy	Biomass & biowa	OR	W2045	61090A			57457	13,424	6,335	7,089	7,089	0.0203	144	-	-
Shinish Creek Wind Farm - Shinish Creek Wind Farm	Wind	BC	W5500	64041A		P160		2,812	-	2,812	2,812	-	-	-	-
Shinish Creek Wind Farm - Shinish Creek Wind Farm	Wind	BC	W5500	60488A		P161		2,050	-	2,050	2,050	-	-	-	-
Sierra Pacific Burney Facility - Sierra Pacific Industry (Burney)	Biomass & biowa	CA	W667	60087A			50110	8,156	8,156	-	-	0.0088	-	-	-
Sierra Pacific Ind. (Lincoln) - Sierra Pacific Industry (Lincoln)	Biomass & biowa	CA	W668	60088A			10144	3,547	3,103	444	444	0.0112	5	-	-
Sierra Pacific Ind. (Quincy) - Sierra Pacific Industry (Quincy)	Biomass & biowa	CA	W669	60089A			50112	18,434	18,434	-	-	0.0557	-	-	-
Sierra Pacific Sonora - Sierra Pacific Sonora	Biomass & biowa	CA	W852	60576A			54517	1,662	1,662	-	-	0.0768	-	-	-
Solar Partners I, LLC - Ivanpah 2	Solar	CA	W4025	62274A			57074	15,000	15,000	-	-	0.0903	-	-	-
SPI Anderson 2 - SPI Anderson 2	Biomass & biowa	CA	W4674	61146A			59658	29,104	15,894	13,210	13,210	0.0101	133	-	-
SPS Alpaugh 50 - SPS Alpaugh 50	Solar	CA	W2826	60945A			58003	14,097	14,097	-	-	-	-	-	-
SPS Alpaugh North - SPS Alpaugh Biomass	Solar	CA	W2825	60946A			58002	5,173	5,173	-	-	-	-	-	-
Stockton Biomass - Stockton Biomass	Biomass & biowa	CA	W3540	60964A			54238	70,455	52,392	18,063	18,063	0.0230	416	-	-
Sun City Project LLC - Sun City	Solar	CA	W2073	60913A			57360	3,739	3,739	-	-	-	-	-	-
Terra-Gen Mojave Wind Farms, LLC - Morwind - Terra-Gen Mo	Wind	CA	W498	60380A		P161		5,236	1,869	3,367	3,367	-	-	-	-
Topaz Solar Farms LLC - Topaz 10-16	Solar	CA	W3226	61698A			57695	25,638	25,638	-	-	-	-	-	-
Topaz Solar Farms LLC - Topaz 17 - 20	Solar	CA	W3227	61698A			57695	13,971	13,971	-	-	-	-	-	-
Topaz Solar Farms LLC - Topaz 1-9	Solar	CA	W3193	61698A			57695	35,392	35,392	-	-	-	-	-	-
Topaz Solar Farms LLC - Topaz 21 - 22	Solar	CA	W3229	61698A			57695	3,421	3,421	-	-	-	-	-	-
Tucannon River Wind Farm - Tucannon River 1	Wind	WA	W4482	63027A			58571	13,040	-	13,040	13,040	-	-	-	-
Whitewater Hill Wind Partners - Whitewater Hill Wind Partne	Wind	CA	W835	60737A			56012	4,373	1,043	3,330	3,330	-	-	-	-

FIRMED-AND-SHAPED IMPORTS

Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	EIA ID of REC Source	EIA ID of Substitute Power	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (in MT CO2e/MWh)	GHG Emissions (in MT CO2e)	Eligible for Grandfathered Emissions?
American Falls Solar II, LLC - American Falls Solar II, LLC	Solar	ID	W5375	63450A	60012	Unspecified Power	258	-	258	258	0.42800	110	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind Farm	Wind	OR	W186	61034A	56623	Unspecified Power	68,277	68,277	-	-	0.42800	-	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind Farm	Wind	OR	W186	61034A	56623	Unspecified Power	7,950	2,642	5,308	5,308	0.42800	2,272	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind Farm	Wind	OR	W186	61034A	56623	Unspecified Power	800	800	-	-	0.42800	-	Yes
Grand View 2 West - Grand View 2 West	Solar	ID	W5070	61595A	60068	Unspecified Power	6,880	6,880	-	-	0.42800	-	Yes
ID Solar 1 - ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified Power	6,062	6,062	-	-	0.42800	-	Yes
ID Solar 1 - ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified Power	800	800	-	-	0.42800	-	Yes
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	6100	-	6,100	6,100	0.42800	2,611	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	2000	-	2,000	2,000	0.42800	856	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	11,120	-	11,120	11,120	0.42800	4,759	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	800	-	800	800	0.42800	342	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	800	-	800	800	0.42800	342	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	8800	-	8,800	8,800	0.42800	3,766	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	1600	-	1,600	1,600	0.42800	685	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	4600	-	4,600	4,600	0.42800	1,969	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	11900	-	11,900	11,900	0.42800	5,093	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	2260	-	2,260	2,260	0.42800	967	No
Limon Wind - Limon Wind I	Wind	CO	W3157	62246A	58126	Unspecified Power	3800	-	3,800	3,800	0.42800	1,626	No
Limon Wind II - Limon Wind II, LLC	Wind	CO	W3158	62246A	58127	Unspecified Power	800	-	800	800	0.42800	342	No
Limon Wind II - Limon Wind II, LLC	Wind	CO	W3158	62246A	58127	Unspecified Power	1,000	-	1,000	1,000	0.42800	428	No
Limon Wind II - Limon Wind II, LLC	Wind	CO	W3158	62246A	58127	Unspecified Power	2,400	-	2,400	2,400	0.42800	1,027	No
Limon Wind II - Limon Wind II, LLC	Wind	CO	W3158	62246A	58127	Unspecified Power	400	-	400	400	0.42800	171	No
Limon Wind II - Limon Wind II, LLC	Wind	CO	W3158	62246A	58127	Unspecified Power	200	-	200	200	0.42800	86	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	2,800	-	2,800	2,800	0.42800	1,198	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	4,400	-	4,400	4,400	0.42800	1,883	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	1,600	-	1,600	1,600	0.42800	685	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	800	-	800	800	0.42800	342	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	800	-	800	800	0.42800	342	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	5,600	-	5,600	5,600	0.42800	2,397	No
Limon Wind III, LLC - Limon Wind III, LLC	Wind	CO	W4269	62859A	59083	Unspecified Power	200	-	200	200	0.42800	86	No
Murphy Flat - Murphy Flat Power, LLC	Solar	ID	W5395	63449A	60009	Unspecified Power	684	684	-	-	0.42800	-	No
Neal Hot Springs Unit #1 - Neal Hot Springs Geothermal	Geothermal	OR	W3155	62427A	58022	Unspecified Power	28,898	28,898	-	-	0.42800	-	Yes
Neal Hot Springs Unit #1 - Neal Hot Springs Geothermal	Geothermal	OR	W3155	62427A	58022	Unspecified Power	4,480	4,480	-	-	0.42800	-	Yes
Northern Colorado Wind I - NCWE I	Wind	CO	W1304	60898A	57290	Unspecified Power	200	-	200	200	0.42800	86	No
Northern Colorado Wind I - NCWE I	Wind	CO	W1304	60898A	57290	Unspecified Power	20	-	20	20	0.42800	9	No
Orchard Ranch Solar, LLC - Orchard Ranch Solar, LLC	Solar	ID	W5373	63448A	60010	Unspecified Power	356	356	-	-	0.42800	-	Yes
Simcoe Solar, LLC - Simcoe Solar, LLC	Solar	ID	W5372	63447A	60748	Unspecified Power	208	208	-	-	0.42800	-	Yes

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2020
Direct Energy Business, LLC
General Offering

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	645,903	24.5%
Biomass & Biowaste	88,806	3.4%
Geothermal	51,346	1.9%
Eligible Hydroelectric	-	0.0%
Solar	173,602	6.6%
Wind	332,149	12.6%
Coal	-	0.0%
Large Hydroelectric	18,424	0.7%
Natural gas	-	0.0%
Nuclear	45,523	1.7%
Other	-	0.0%
Unspecified Power	1,929,799	73.1%
Total	2,639,649	100.0%

Total Retail Sales (MWh)	2,639,649
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	722
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.5%
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INDEX OF GENERATOR-SPECIFIC GHG EMISSIONS FACTORS

Instructions: This tab is for informational purposes only; it will not be used by reporting entities, since the emissions factors below auto-populate in the relevant fields on Schedules 1 & 3.

Facility Name	EIA ID or Proxy ID	GHG Emissions Factor (in MT CO ₂ e/MWh)
Bonneville Power Administration (Asset-Controlling Supplier)	BPA	0.0117
Powerex (Asset-Controlling Supplier)	Powerex	0.0342
Tacoma Power (Asset-Controlling Supplier)	Tacoma Power	0.0168
Unspecified Power	Unspecified Power	0.4280
AES Alamos, LLC	315	0.6983
AES Huntington Beach, LLC	335	0.5893
AES Redondo Beach LLC	356	0.8753
Air Products Wilmington Hydrogen Plant	55557	4.2229
Algonquin Power Sanger, LLC	57564	0.3870
LAR ARCO Watson Cogeneration	50216	0.8254
LAR Tesoro Equilon Los Angeles Refining	50530	0.8254
Calciner	10601	1.1029
Badger Creek Limited	10650	0.4983
Bear Mountain Limited	10649	0.4941
Biola University	54296	0.2248
Blythe Energy	55295	0.4281
Braun Medical Inc	50200	0.4900
California State University, Channel Islands	50851	2.1993
CP Kelco San Diego	52147	0.4965

CalEnergy Operating Corporation - J J Elmore - Geothermal	10634	0.0211
CalEnergy Operating Corporation - J M Leathers - Geothermal	10631	0.0659
CalEnergy Operating Corporation - Region 1 - Geothermal	10878	0.0650
CalEnergy Operating Corporation - Region 1 - Geothermal	10879	0.0650
CalEnergy Operating Corporation - Region 1 - Geothermal	10759	0.0650
CalEnergy Operating Corporation - Region 1 - Geothermal	54996	0.0650
CalEnergy Operating Corporation - Region 1 - Geothermal	55983	0.0650
CalEnergy Operating Corporation - Region 2 - Geothermal	55984	0.0572
CalEnergy Operating Corporation - Region 2 - Geothermal	10632	0.0572
CalEnergy Operating Corporation - Region 2 - Geothermal	50210	0.0572
Midway Peaking, LLC	56639	0.6231
CalPeak Power - Enterprise	55513	0.5810
California Institute of Technology (CalTech)	10262	0.2605
California Power Holdings, LLC-Chowchilla Facility, 95360	56185	0.5521
California Power Holdings, LLC-Red Bluff Facility, 96080	56184	0.5548
California State University, San Diego	50061	0.4499

California State University, San Jose	10548	0.5309
Calpine - CCFC Sutter Energy, LLC	55112	0.3887
Calpine - Delta Energy Center, LLC	55333	0.3882
Calpine - Gilroy Cogen, L.P., Gilroy Cogen_Peaker	55810	0.5283
ProEnergy - Greenleaf Energy Unit 2, LLC	10349	0.4094
Calpine - King City Cogen, LLC, King City Cogen_Peaker	10294	0.4423
Calpine - Los Esteros Critical Energy Facility, LLC	55748	0.4524
Calpine - Los Medanos Energy Center, LLC	55217	0.3501
Calpine - Metcalf Energy Center, LLC	55393	0.3885
Calpine - O.L.S. Energy - Agnews Inc. 95134	50748	0.5499
Calpine - Otay Mesa Energy Center	55345	0.3900
Calpine - Pastoria Energy Facility L.L.C.	55656	0.3756
Carson Hybrid Energy Storage LLC	10169	0.4657
Chalk Cliff Limited	50003	0.4102
Chevron Products Company - El Segundo Refinery, 90245	10213	2.4441
Chevron Products Company - Richmond Refinery, 94802	52109	1.5618
City of Anaheim, Combustion Turbine Generator	7693	0.5105
Civic Center Cogen, LA County	10623	0.2636
Phillips 66 Company - San Francisco Refinery	50119	0.7175

Phillips 66 Company - San Francisco Carbon Plant	50388	2.0184
Phillips 66 Company - Los Angeles Refinery - Wilmington Plant	54451	1.6196
Phillips 66 Company - Santa Maria Refinery	56284	40.1235
Coso Energy Developers (BLM E&W) - Geothermal	10875	0.3995
Coso Finance Partners (Navy I) - Geothermal	10873	0.1641
Coso Power Developers (Navy II) - Geothermal	10874	0.3240
Crockett Cogeneration Project, LP	55084	0.3296
Grade 6 Oil, LLC	54410	1.0260
Double C Limited	50493	0.5430
Dynegy Moss Landing, LLC	260	0.3717
Dynegy Oakland, LLC.	6211	1.1267
E.F. Oxnard LLC	10776	0.4202
City of Colton - Generation	55951	0.6066
Torrance Refinery	50624	7.5526
Frito Lay - Kern Plant	10110	1.2355
Hanford Energy Park Peaker	55698	0.6612
Henrietta Peaker Plant	55807	0.6082
Goal Line LP, 92025	54749	0.9196
Grayson Power Plant	377	0.8372
High Desert Power Project, LLC	55518	0.4072
High Sierra Limited	50495	0.5477
Imperial Irrigation District (IID), El Centro Generating Station	389	0.4497
Imperial Irrigation District (IID), Niland Gas Turbine Plant	56569	0.5336
Inland Empire Energy Center, LLC.	55853	0.4111
New-Indy Oxnard LLC	57585	0.3069

KES Kingsburg L.P.-- Kingsburg Cogeneration Facility	10405	0.5099
Kern Front Limited	50494	0.5559
Kern River Cogeneration Facility	10496	0.3190
Kimberly Clark Worldwide Inc.	58083	0.3785
Kyocera International Inc.	10720	0.6923
La Paloma Generating Plant GHG	55151	0.3952
Bridge Energy, LLC	56090	1.0777
Live Oak Limited	54768	0.4953
Loma Linda University	10206	0.3598
Los Angeles Department of Water & Power-Harbor Generating Station (LADWP)	399	0.5127
Los Angeles Department of Water & Power-Haynes Generating Station (LADWP)	400	0.4051
Los Angeles Department of Water & Power- Scattergood Generating Station (LADWP)	404	0.4210
Los Angeles Department of Water & Power-Valley Generating Station (LADWP)	408	0.3860
Luz Solar Partners LTD	10439	0.0142
Luz Solar Partners LTD	10440	0.0142
Luz Solar Partners LTD	10441	0.0142
Luz Solar Partners LTD	10442	0.0142
Luz Solar Partners LTD	10443	0.0142
Luz Solar Partners LTD VIII & IX	10444	0.0909
Luz Solar Partners LTD VIII & IX	10446	0.0909
Malaga Power, LLC	56239	0.5738
Malburg Generating Station	56041	0.4320
Martinez Cogen Limited Partnership	10342	0.3281

McKittrick Limited	50612	0.4080
Midway-Sunset Cogeneration	52169	0.2298
Modesto Irrigation District (MID) - Woodland Generation Station, 95351	7266	0.4644
Modesto Irrigation District - Ripon Generation Station, 95366	56135	0.5940
NRG Energy - El Segundo	330	0.4712
NRG Energy - El Segundo	57901	0.4712
NRG Energy - Long Beach	341	0.9008
OLS Energy Chino	50850	1.7717
New-Indy Ontario, LLC Linerboard Mill	10427	0.4867
Ormat Nevada, Inc./ GEM 2 & 3 - Geothermal	54038	0.1244
Ormat Nevada, Inc./ GEM 2 & 3 - Geothermal	10763	0.1244
Ormond Beach Power, LLC	350	0.6373
PG&E Gateway Generating Station	56476	0.3846
PG&E Humboldt Bay Generating Station	246	0.4669
Panoche Energy Center, LLC	56803	0.5033
Pasadena Water and Power, Glenarm	422	0.6223
Pasadena Water and Power, Glenarm	420	0.6223
Qualcomm, Inc. - Morehouse Facility	59456	0.4204
Qualcomm, Inc. - Pacific Center Facility	59458	0.3124
Qualcomm, Inc. - Pacific Center Facility	59457	0.3124
Redding Electric Utility - Redding Power Generation	7307	0.4559
Eco Services - Dominguez	52064	2.9928
Eco Services - Martinez	52063	0.8230

Riverside Public Utilities - Riverside Energy Resource Center	56143	0.5923
SDG&E - Miramar Energy Facility	56232	0.5476
SDG&E - Palomar Energy Center	55985	0.3927
SRI International Cogen Project	50537	0.3403
Sacramento Municipal Utility District (SMUD) , SCA	7551	0.3899
Sacramento Municipal Utility District (SMUD) , SPA	7552	0.4360
Salinas River Cogeneration Facility	50865	0.4231
Searles Valley Minerals Inc.	10684	0.4902
Martinez Refining Company LLC	54912	2.3256
Silicon Valley Power (SVP), City of Santa Clara , Cogen	7232	0.6209
Silicon Valley Power (SVP), City of Santa Clara , DVR	56026	0.4308
Southern California Edison (SCE) - Pebbly Beach	6704	0.7854
Southern California Edison (SCE) - Mountainview	358	0.4010
Sunrise Power Company	55182	0.3766
Sycamore Cogeneration Facility	50134	0.3378
Turlock Irrigation District (TID), Almond Power Plant	7315	0.5703
Turlock Irrigation District/ Walnut Energy Center	56078	0.4498
U.S. Borax, 93516	50115	0.4368
University of California, Irvine	57122	0.3037

University of California, Los Angeles, UCLA	52073	0.2944
University of California, San Diego, UCSD	57584	0.4031
University of California, San Francisco	58198	0.3405
University of California, Santa Cruz, UCSC EH&S Office	50064	0.5088
Valero Refining Company - California, Benicia Refinery and Benicia Asphalt Plant	55851	3.1943
Wildflower Energy, LP - Indigo Generation, LLC	55541	0.5790
Wildflower Energy, LP - Larkspur Energy Facility, LLC	55542	0.5655
Yuba City Cogeneration Partners LP	52186	0.0478
Harbor Cogeneration Company, LLC	50541	0.5977
The P&G Paper Products Co.	50464	0.4138
AltaGas Ripon Energy Inc.	50299	0.5512
Canyon Power Project (CPP)	57027	0.5861
High Sierra Cogeneration	57977	0.3316
CalPeak Power - Border	55510	0.6092
SDG&E - Cuyamaca Peak Energy Plant	55512	0.6108
Tracy Combined Cycle Plant	55933	0.4511
Riverside Public Utilities - Clearwater Facility	56356	0.4666
Chevron AAPG 745 San Joaquin Basin	52086	1.2173
Chevron AAPG 745 San Joaquin Basin	52082	1.2173
Chevron AAPG 745 San Joaquin Basin	52076	1.2173
Chevron AAPG 745 San Joaquin Basin	52107	1.2173

Chevron AAPG 745 San Joaquin Basin	50751	1.2173
Chevron AAPG 745 San Joaquin Basin	52081	1.2173
Chevron AAPG 745 San Joaquin Basin	52085	1.2173
Chevron AAPG 745 San Joaquin Basin	52104	1.2173
California Resources Elk Hills, LLC - 35R Gas Plant	55400	0.7655
PG&E Colusa Generating Station	56532	0.3826
Aera Energy Coastal Basins	55184	3.1410
Southern California Edison (SCE) - Barre Peaker	56474	0.5998
Southern California Edison (SCE) - Center Hybrid	56475	0.5960
Southern California Edison (SCE) - Grapeland Hybrid	56472	0.6161
Southern California Edison (SCE) - Mira Loma Peaker	56473	0.5356
Roseville Electric, Roseville Energy Park	56298	0.4517
CalPeak Power - Panoche, LLC	55508	0.6025
CalPeak Power - Vaca Dixon, LLC	55499	0.5802
Calpine - Gilroy Energy Center, LLC, Feather River	55847	0.6044
Calpine - Gilroy Energy Center, LLC, Riverview Peaker	55963	0.5779
Calpine - Gilroy Energy Center, LLC, Wolfskill Peaker	55855	0.6281
Naval Medical Center - San Diego	50963	0.4348
Orange Grove Energy Center	56914	0.6032

Northern California Power Agency - Geothermal Plant No. 1	7368	0.0457
Northern California Power Agency - Geothermal Plant No. 2	7369	0.0730
California Resources Production Corporation - 760 Los Angeles Basin	56051	0.7249
BWP/MPP Electricity Generating Facilities at 164 W. Magnolia	6013	0.3979
BWP/MPP Electricity Generating Facilities at 164 W. Magnolia	56077	0.3979
BWP/MPP Electricity Generating Facilities at 164 W. Magnolia	56046	0.3979
Escondido Energy Center, LLC	55538	0.5621
El Cajon Energy, LLC	57001	0.6046
Fresno Cogeneration Partners, LP	10156	0.5999
Chula Vista Energy Center	55540	0.9467
Sentinel Peak Resources - SJV Basin Facility	54447	3.8634
Sentinel Peak Resources - SJV Basin Facility	54449	3.8634
Signal Hill Petroleum Facilities	57702	0.8561
Berry Petroleum Company - San Joaquin Basin	50622	1.1155
Berry Petroleum Company - San Joaquin Basin	50170	1.1155
Mariposa Energy LLC	57483	0.5838
Richard J Donovan Correctional Facility	54936	0.0876
Marsh Landing Generating Station	57267	0.6474
Walnut Creek Energy, LLC	57515	0.5165

Sentinel Energy Center, LLC	57482	0.5308
Southern California Edison (SCE) - McGrath Peaker	56471	0.5290
Lodi Energy Center	57978	0.3860
Lodi Energy Center	7449	0.3860
California State University, Fullerton	58169	0.2827
Kaweah Delta Medical Center	10042	816.8080
Saint Agnes Medical Center	54800	0.2157
Houweling Nurseries Oxnard, Inc	58432	0.7032
Olive View Medical Center, Los Angeles County Department of Health Services	10884	0.3418
Rady Children's Hospital San Diego	10175	0.4784
Calpine - Russell City Energy Center	56467	0.3894
Ivanpah Solar Electric Generating System	57074	0.0903
Ivanpah Solar Electric Generating System	57073	0.0903
Ivanpah Solar Electric Generating System	57075	0.0903
Delano Energy Center, LLC	58122	0.6151
Ormat Nevada, Inc. / ORNI 18 North Brawley - Geothermal	56832	0.6186
University of California, Berkeley	50849	0.3340
Pacific Ethanol Madera, LLC	61989	4.1431
ProEnergy - Greenleaf Energy Unit 1, LLC	10350	0.4768
Sharp Grossmont Hospital	10115	0.3039
Pio Pico Energy Center	57555	0.5313
SunSelect Produce (California) Inc	61754	0.9099

Berry Petroleum Company - Placerita	52096	0.3327
Carlsbad Energy Center Project	58847	0.5882
Biomass One, L.P.	10869	0.0355
Clearwater Paper Corp. - Lewiston	50637	0.0252
Desert View Power	10300	0.0395
H. Wilson Sundt Generating Station (formerly Irvington Generating Station)	126	0.6244
Kettle Falls Woodwaste Plant	550	0.0435
Longview Washington Pulp and Paper Mill	54562	0.0347
Loyalton Biomass Cogeneration (ARP)	50111	0.0329
Seneca Sustainable Energy	57457	0.0203
Sierra Pacific Burlington	56406	0.0090
Trans-Jordan Generating Station (Landfill Gas)	56853	0.0032
WestRock - Tacoma (formerly: Simpson Biomass)	57099	0.0235
Weyerhaeuser Longview WA	50187	0.4790
Agua Caliente Solar Project	57373	0.0000
Agua Fria Generating Station	141	0.6964
American Falls Solar	60011	0.0000
American Falls Solar II	60012	0.0000
Apache Generating Station	160	0.8126
Apache Solar	60964	0.0000
Apex Generating Station-Natural Gas Combined Cycle	55514	0.3731
Arlington Valley Energy Facility-Natural Gas Combined Cycle	55282	0.3923
Arlington Valley Solar Project II	57680	0.0000

Arlington Wind Power Project	56855	0.0000
Beaver	8073	0.5322
Bennett Mountain Power	55733	0.5970
Beowawe Power	10287	0.0622
Big Horn II-Wind	57319	0.0000
Big Horn PPM-Wind Power Project	56361	0.0000
Biglow Canyon Wind Farm (Phase 1)	56485	0.0000
Biglow Canyon Wind Farm (Phase 2)	56485	0.0000
Biglow Canyon Wind Farm (Phase 3)	56485	0.0000
Boardman Power Plant	6106	1.1770
Bonanza Power Plant	7790	1.0203
Boundary Hydroelectric Units	6433	0.0000
Box Canyon Dam (WA)	3891	0.0000
Broadview Energy JN, LLC	60145	0.0000
Broadview Energy KW, LLC	60152	0.0000
Brownlee	811	0.0000
Cabinet Gorge	833	0.0000
Caithness Shepherd's Flat - Horseshoe Bend (Wind)	57550	0.0000
Caithness Shepherd's Flat - North Hurlburt (Wind)	57526	0.0000
Caithness Shepherd's Flat - South Hurlburt (Wind)	57549	0.0000
Campbell Hill Windpower Project (Three Buttes Windpower LLC)	57090	0.0000
Carty Generating Station	58503	0.3802
Cedar Creek II	57210	0.0000
Cedar Creek Wind	56371	0.0000
Cedar Point Wind	57315	0.0000
Centennial Hardin (MT)	55749	1.4143
Chehalis	55662	0.3985

Cholla Power Station	113	1.1294
Chuck Lenzie Station	55322	0.4022
CJ Strike	812	0.0000
Clark Station	2322	0.5553
Colgate Powerhouse	454	0.0000
Collierville Hydro	54555	0.0000
Colstrip	6076	1.0518
Coolidge Generation Station	56948	0.5420
Copper Mountain Solar 1 (CM10)	56944	0.0000
Copper Mountain Solar 2 (CMS2)	58017	0.0000
Copper Mountain Solar 3	58915	0.0000
Copper Mountain Solar 4 (CMS4)	59814	0.0000
Coronado Generating Station	6177	1.1649
Cowiltz River Project (Mayfield Dam and Mossyrock Dam)	3917	0.0000
Coyote Springs I	7350	0.3683
Craig	6021	1.0399
Crooked Falls	2181	0.0000
Currant Creek	56102	0.4045
Cushman Hydro Project (Cushman No. 1 Dam and Cushman No. 2 Dam)	3914	0.0000
Dave Johnston	4158	1.1114
Desert Basin Generating Station	55129	0.4264
Desert Star Energy Center (formerly: Eldorado Energy)- Natural Gas Combined Cycle	55077	0.4109
Don A. Campbell (Phase 2) Geothermal Plant	60419	0.0000
Don A. Campbell (Wild Rose) Geothermal Plant	58533	0.0000
Donnells Hydro	415	0.0000
Dunlap I	57299	0.0000
El Cabo Wind	58098	0.0000

Elkhorn Valley Wind Farm	56623	0.0000
Encogen Generating Station	7870	0.4809
Eurus Combine Hills II LLC	57137	0.0000
Evander Andrews Power Complex	7953	0.5843
Ferndale Generating Station	54537	0.4116
Fort Churchill Station	2330	0.6374
Four Corners Power Plant	2442	1.0277
Frank Tracy Station	2336	0.4387
Frederickson Power LP	55818	0.3806
Frederickson PSE	99	1.3726
Fredonia Generating Station	607	0.7850
Gala Solar (Solar Star Oregon II)	61048	0.0000
Galena 2 Geothermal Power Plant	56540	0.0000
Galena 3 Geothermal Power Plant	56541	0.0000
Gila River Power Station - Block 1	59338	0.4209
Gila River Power Station - Block 2	60768	0.4088
Gila River Power Station - Block 3	59784	0.4254
Gila River Power Station - Block 4	55306	0.4209
Glacier Wind Farm (Naturener)	57049	0.0000
Glen Canyon Dam	153	0.0000
Glenrock I	56841	0.0000
Glenrock III	56841	0.0000
Goldendale Generating Station	55482	0.3901
Goodnoe Hills	56666	0.0000
Goshen Phase II LLC	57211	0.0000
Grady Wind Energy Center, LLC	60317	0.0000
Grand View 2 West	60068	0.0000
Grays Harbor Energy	7999	0.3937

Griffith Energy, LLC	55124	0.3898
Harry Allen Station	7082	0.3944
Harvest Wind	57152	0.0000
Hay Canyon Wind	56790	0.0000
Headgate Rock Dam	7179	0.0000
Heber Geothermal	54689	0.0539
Hells Canyon	3013	0.0000
Hermiston	54761	0.4016
Hermiston Power, LLC	55328	0.3949
Higgins Generating Station	55687	0.4205
High Plains	57040	0.0000
High Winds	56075	0.0000
Holter Dam	2186	0.0000
Hoover Dam	154	0.0000
Hopkins Ridge Wind	56255	0.0000
Horse Butte Wind	57890	0.0000
Hunter	6165	0.9796
Huntington	8069	0.9793
ID Solar 1	60445	0.0000
Intermountain Power Project	6481	0.9185
Jim Bridger Total Plant	8066	1.0022
Judith Gap Wind Farm	56377	0.0000
Juniper Canyon Wind	57320	0.0000
Kerr	2188	0.0000
Kings Beach	6518	0.9184
Kittitas Valley Wind Power Project (Sagebrush Power)	56858	0.0000
Klamath Falls Cogeneration	55103	0.4110
Klondike Windpower II	56359	0.0000
Klondike Windpower III	56468	0.0000
Klondike Windpower IIIA	56468	0.0000
Kyrene Generating Station	147	0.3881
Lake Chelan Hydroelectric Facility	6424	0.0000
Lake Side	56237	0.3988
Langley Gulch Power Plant	57028	0.3745
Las Vegas Generating Station	10761	0.4605

Leaning Juniper	56360	0.0000
Leaning Juniper II	57333	0.0000
Limon Wind I	58126	0.0000
Limon Wind II	58127	0.0000
Limon Wind III	59083	0.0000
Linden Wind Energy Project (aka Linden Ranch Wind Farm)	57635	0.0000
Little Falls (WA)	3866	0.0000
Logan Wind Farm	56613	0.0000
Long Lake	3867	0.0000
Lower Baker	3855	0.0000
Lower Snake River Wind Energy Project	57195	0.0000
Lucky Peak Power Plant Project	10014	0.0000
Luning Solar	61084	0.0000
Macho Springs Solar Facility	59010	0.0000
Marengo Wind Farm I	56466	0.0000
Marengo Wind Farm II	56466	0.0000
McFadden Ridge	57039	0.0000
McGinness Hills 3 Geothermal Energy Facility	57446	0.0000
Merwin	3847	0.0000
Mesquite Generating Station - Block 1	58557	0.4037
Mesquite Generating Station - Block 2	55481	0.3874
Mesquite Solar 1	57707	0.0000
Mid-C Hydro - Priest Rapids and Wanapum dams (Grant County PUD)	3887	0.0000
Mid-C Hydro - Rock Island (Chelan County PUD)	6200	0.0000
Mid-C Hydro - Rock Island and Rocky Reach (Chelan County PUD)	3883	0.0000
Mid-C Hydro - Rocky Reach (Chelan County PUD)	3883	0.0000

Mid-C Hydro - Wanapum (Grant County PUD)	3888	0.0000
Mid-C Hydro - Wells (Douglas County PUD)	3886	0.0000
Middle Fork Hydro	425	0.0000
Milford I Wind Farm	57079	0.0000
Milford II Wind Farm	57107	0.0000
Mint Farm Generation Station	55700	0.4019
Moapa Southern Paiute Solar	57859	0.0000
Monroe Street HED	9095	0.0000
Montague Wind Power Facility	58099	0.0000
Murphy Flat Solar	60009	0.0000
Narrows 2 Powerhouse	455	0.0000
Narrows PH	262	0.0000
Naughton	4162	1.0744
Navajo Generating Station	4941	1.0722
Neal Hot Springs Geothermal Plant	58022	0.0000
Nebo Power Station	56177	0.4599
Nine Canyon Wind Project	7936	0.0000
Nine Mile HED	3869	0.0000
Nisqually River Project (Alder Dam and LaGrande Dam)	3913	0.0000
North Valmy Station	8224	1.0228
Northern Colorado Wind I	57290	0.0000
Northern Colorado Wind II	57290	0.0000
NorWest Energy 4 (Bonanza)	62268	0.0000
Noxon Rapids	2199	0.0000
Ocotillo	116	0.7495
Old Lahontan hydropower Plant	6521	0.0000
Orchard Avenue 1 (Yakima- Tieton ID)	50421	0.0000
Orchard Ranch Solar	60010	0.0000
Oxbow (Oregon)	3014	0.0000

Palo Verde Nuclear Generating Station	6008	0.0000
Palouse Wind	57530	0.0000
Parker-Davis Project	447	0.0000
Patua Geothermal	58319	0.0000
Patua Solar Project	58319	0.0000
Pebble Springs	56789	0.0000
Peetz Table Wind Energy	56563	0.0000
Pelton Round Butte	3048	0.0000
Perrin Ranch Wind	58155	0.0000
Pleasant Valley Wind Energy Project	56093	0.0000
Port Westward 1	56227	0.3746
Port Westward 2	58266	0.5535
Post Falls Hydro	835	0.0000
Ralston Hydro	427	0.0000
Red Hawk Power Station CC Natural Gas	55455	0.4446
Richard Burdette Power Plant	56321	0.0000
Rim Rock Wind Farm (Naturener)	57995	0.0000
River Road generating plant (Clark County PUD)	7605	0.3976
Rolling Hills	56842	0.0000
Sage Solar I	62399	0.0000
Sage Solar II	62399	0.0000
Sage Solar III	62399	0.0000
Saguaro	118	0.7374
San Emidio Project	57456	0.0687
San Juan	2451	1.1662
Santan Generating Station	8068	0.4120
Seven Mile Hill I	56843	0.0000
Seven Mile Hill II	56843	0.0000
Silverhawk Station	55841	0.4095
Simcoe Solar	60748	0.0000
Smith Falls Hydro Project	54249	0.0000
Snoqualmie Hydroelectric Project	3860	0.0000
South Point Energy Center, LLC	55177	0.4237
Spring Canyon	56320	0.0000

Spring Valley Wind Project	57192	0.0000
Springerville Generating Station	8223	0.9869
Star Point	57096	0.0000
Steamboat Hills Geothermal	50654	0.0378
Steamboat II	54665	0.0000
Steamboat III	54666	0.0000
Stillwater Wind	61858	0.0000
Sumas Power Plant	54476	0.4488
Sun Peak Generating Station	54854	0.7216
Sundance	55522	0.6299
Swift 1	3850	0.0000
Terra-Gen Dixie Valley	52015	0.0662
Thermo No. 1 Geothermal (Raser Technologies)	57353	0.0000
Thompson Falls Dam	2195	0.0000
Tieton Dam Hydro Electric Project	57496	0.0000
Top of the World	57327	0.0000
Transalta Centralia Generation	3845	1.1357
TS Power Plant	56224	1.0306
Tucannon River Wind Farm	58571	0.0000
Tungsten Mountain Geothermal Energy Facility	60785	0.0000
Turquoise Liberty Solar - Phase 1	62980	0.0000
Twin Buttes	56460	0.0000
Upper Baker	3861	0.0000
Upper Falls Hydro	9096	0.0000
Vansycle II Wind Energy Center	58324	0.0000
Vantage Wind	57188	0.0000
Veyo Heat Recovery Project	60421	0.0000
Voyager Wind II	61582	0.0000
West Phoenix	117	0.4662
West Valley Generation Project	55622	0.5910

White Creek Wind Farm	56487	0.0000
Whitehorn Generating Station	6120	1.5593
Wild Horse Wind	56322	0.0000
Willow Creek Wind	56952	0.0000
Windy Flats Wind Project	57159	0.0000
Windy Point/Flats Project phase 1 (Tuolumne Wind Project)	56702	0.0000
Wolverine Creek	56301	0.0000
Wy'East Solar	61345	0.0000
Yale	3852	0.0000
Yucca	120	0.6711
Yuma Cogeneration Associates	54694	0.5111
Ameresco Chiquita Energy LLC	56898	0.0037
Ameresco Forward LLC	58437	0.0025
Ameresco Half Moon Bay	56895	0.0027
Ameresco Keller Canyon	56897	0.0027
Ameresco San Joaquin LLC	58436	0.0026
Ameresco Santa Cruz	56428	0.0023
Ameresco Vasco Road	58435	0.0026
Ampersand Chowchilla Biomass, LLC, 93610	56706	0.0287
Bowerman Power LFG, LLC	59461	0.0029
Brea Generation, LLC	10648	0.0030
Burney Forest Products	10652	0.0703
City of San Diego, Public Utilities Dept, North City Water Reclamation Plant	60571	0.0397
City of San Diego, Public Utilities Dept, North City Water Reclamation Plant	55602	0.0397
City of San Diego, Public Utilities Dept, Point Loma Treatment Plant	50492	0.0175
Collins Pine Co.	10661	0.0061

DG Fairhaven Power LLC	10052	0.1138
DTE Stockton, LLC	54238	0.0230
East Bay Municipal Utility District	56036	0.0118
East Bay Municipal Utility District	57696	0.0118
G2 Energy Ostrom Road, LLC	57133	0.0029
GenPower Lincon Landfill Power Plant	57362	0.0040
HL Power Company	10777	0.0337
Humboldt Sawmill Company	50049	0.0523
Kiefer Landfill, Department of Waste Management and Recycling	55766	0.0055
LACSD - Calabasas LF	57163	0.0041
LACSD - Joint Water Pollution Control Plant	10091	0.0601
LACSD - Puente Hills Landfill	10472	0.0031
Merced Power, LLC, 95340	56707	0.0290
Miramar - MM and Miramar Energy	55094	0.0043
MM Lopez Energy LLC	55161	0.0027
MM Prima Deshecha Energy LLC	55601	0.0031
MM Tajiguas Energy LLC	55603	0.0031
MM West Covina LLC	54015	0.0064
MM Yolo Power LLC	54567	0.0037
Monterey Regional Waste Management District	10748	2.3341
Mt. Poso Cogeneration Company	54626	0.0326
NOVE Power Plant	50831	0.0051
Orange County Sanitation District - Plant 2	52099	0.0518
Otay Landfill Gas LLC	52204	0.0033
Pacific Ultrapower Chinese	50560	0.0279

Potrero Hills Energy Producers, LLC	59952	0.0027
Rio Bravo Fresno	10767	0.0379
Rio Bravo Rocklin	10772	0.0413
Roseburg Forest Products	56469	0.0113
Sacramento Municipal Utility District (SMUD) , Cosumnes Power Plant	55970	0.3603
San Francisco Southeast Treatment Plant	57971	0.0280
San Marcos Energy LLC	10386	0.0038
Santa Cruz Energy LLC	57876	0.0031
Sierra Pacific Industries (SPI) - Anderson, 96007	59658	0.0101
Sierra Pacific Industries (SPI) - Burney	50110	0.0088
Sierra Pacific Industries (SPI) - Lincoln	10144	0.0112
Sierra Pacific Industries (SPI) - Quincy Division	50112	0.0557
Sierra Pacific Industries (SPI) - Sonora	54517	0.0768
Sonoma County Landfill Gas to Energy	55752	0.0035
Sonoma County Landfill Gas to Energy	55753	0.0035
Sonoma County Landfill Gas to Energy	55880	0.0035
Sunshine Gas Producers, LLC	58429	0.0031
Sycamore Energy LLC	10387	0.0049
Wadham Energy Ltd Partnership	50293	0.0210
Waste Management - Altamont Landfill	50571	0.0050
Waste Management - Redwood Landfill, Inc.	59299	0.0030
Wheelabrator Shasta Energy Company	50881	0.0320
Woodland Biomass Power, LLC	10836	0.0349
Central Contra Costa Sanitary District	57573	1.3297
Covanta - Stanislaus, Inc	50632	1.8204

Encina Water Pollution Control Facility	10026	0.9635
Energy 2001, Placer WRSL	57988	0.9681
John L. Featherstone Plant (Hudson Ranch)	57475	0.0561
Kern Oil Refinery	58100	4.2923
Orange County Sanitation District - Plant 1	50696	0.5731
Pacific Ethanol Stockton, LLC	61027	1418.2784
Sacramento Municipal Utility District (SMUD) , Carson Ice CG	7527	0.4192
San Jose/Santa Clara Regional Wastewater Facility	56080	0.4819
Southeast Resource Recovery Facility (SERRF)	50837	1.9325
Spreckels Sugar Company, Inc.- Brawley	54533	0.1013
85 A	52162	0.0000
85 B	52163	0.0000
Sunshine Valley Solar	59826	0.0000
Windhub Solar A LLC	59878	0.0000
Ponderosa Bailey Creek	10709	0.0000
CA Flats Solar 130, LLC	60033	0.0000
Blackwell Solar Park	59524	0.0000
Montgomery Creek Hydro	55009	0.0000
Ameresco Johnson Canyon	58397	0.5579
Spicer Meadow Project	54554	0.0000
Kettleman Solar -Centaurus	59633	0.0000
Elevation Solar C	59964	0.0000
Frontier Solar LLC	60039	0.0000
Hayworth Solar	59009	0.0000
Western Antelope Blue Sky B	59961	0.0000
Shiloh I Wind Project	56362	0.0000
Midway Solar Farm 1	60336	0.0000
Blythe Solar 110, LLC	60093	0.0000
Calpine - Geysers Unit 5-20	286	0.0363
Calpine - Aidlin Geothermal P	52158	0.0363
Calpine - Sonoma California C	510	0.0363
Calpine - Calistoga Power Pla	50066	0.0363

Dutch Flat 2	413	0.0000
Bowman	50546	0.0000
Atwell Island	58366	0.0000
Avenal Park	57359	0.0000
California Valley Solar Ranch	57439	0.0000
White River Solar	58373	0.0000
Henrietta Solar Project	58975	0.0000
Mojave Solar Project	57331	0.0000
North Star Solar	58713	0.0000
Sand Drag LLC	57361	0.0000
Alpaugh 50	58003	0.0000
Alpaugh North	58002	0.0000
Sun City Project LLC	57360	0.0000
Topaz Solar Farm	57695	0.0000
Hatchet Ridge Wind Project	56654	0.0000
Shiloh IV Wind Project LLC	57725	0.0000
Shiloh Wind Project 2 LLC	56874	0.0000
San Geronio Windplant WP	54454	0.0000
Alamo Solar	59469	0.0000
Bayshore Solar C, LLC	60475	0.0000
GPS Cabazon Wind LLC	50552	0.0000
Camanche	537	0.0000
Golden Hills Wind	60049	0.0000
Mesquite Solar 3, LLC	60308	0.0000
Pardee	376	0.0000
RE Tranquillity	59939	0.0000
Ridgetop	54931	0.0000
Algonquin SKIC20 Solar LLC	59412	0.0000
CED Avenal	60077	0.0000
White River Solar 2	58973	0.0000
Westlands Solar PV Farm	58616	0.0000
Morelos del Sol	60007	0.0000
Murphys	261	0.0000
RE Old River One, LLC	58986	0.0000
Orion Solar I	58718	0.0000
RE Astoria 2	59977	0.0000
Rising Tree Wind Farm	57621	0.0000
Shafter Solar LLC	59408	0.0000
Woodmere Solar Farm	59008	0.0000
Solar Star California, XLI, LLC	60591	0.0000
Shaffer	59396	0.0000
Findlay Wind Farm	60015	0.0000
Cape Cod Air Force Station -	58661	0.0000
AV Solar Ranch One	57378	0.0000
Cabazon Wind Partners	56011	0.0000

Cameron Ridge LLC	10586	0.0000
Campo Verde Solar	58467	0.0000
Cottonwood Solar, LLC (City	59087	0.0000
CM48	57205	0.0000
Little Bay	60495	0.0000
O'Neill Creek Solar	63235	0.0000
Venable Solar 1	58289	0.0000
Washington White Post Sola	58135	0.0000
Bluegrass Ridge	56555	0.0000
Heartland Community Colleg	59776	0.0000
Pilgrim Stage Wind Park	56440	0.0000
North Gooding Main Hydro	61688	0.0000
Westside Solar Station	57499	0.0000
Normanskill Hydro Project	50123	0.0000
Echo Wind Park	58121	0.0000
Cummins, Inc	60453	0.0000
Ball Mountain Hydro	59040	0.0000
Gunsight Mountain Wind En	56776	0.0000
Alpine Solar	57295	0.0000
Bridgewater	2719	0.0000
Richland Solar Center	59874	0.0000
Golden Hills North Wind Ene	61222	0.0000
Giffen Solar Park	59522	0.0000
Five Points Solar Park	59523	0.0000
Ameresco Butte County	57771	0.6131
Nimbus	444	0.0000
Lewiston	977	0.0000
Stampede	7066	0.0000
Graeagle	3247	0.0000
Tulloch	416	0.0000
Judge F Carr	442	0.0000
Folsom	441	0.0000
Keswick	443	0.0000
New Melones	6158	0.0000
Shasta	445	0.0000
Spring Creek	450	0.0000
Trinity	451	0.0000
ONeill	446	0.0000
Alameda	7450	0.8963
Lodi	7451	0.8853
Brea Expansion Plant	58007	0.5142
Second Imperial Geothermal	54111	0.0766
Perris	481	0.0000
Valley View	487	0.0000
Anaheim Solar Energy Plant	59416	0.0000

Westside Solar Power PV1	60275	0.0000
San Gorgonio Farms Wind Fa	50281	0.0000
Garnet Wind Energy Center	57302	0.0000
San Dimas Wash Generating	50233	0.0000
RE Columbia Two, LLC	58990	0.0000
Summer Solar LLC	60280	0.0000
Antelope Big Sky Ranch	60279	0.0000
Kingbird B Solar, LLC	60091	0.0000
Antelope DSR 2	60187	0.0000
Hoover Dam (AZ)	8902	0.0000
Shoreham	2518	1.4073
Lake One	7987	0.5613
TA-Acacia, LLC	59443	0.0000
Bayshore Solar A, LLC	60481	0.0000
Bayshore Solar B, LLC	60474	0.0000
Coram Tehachapi	54750	0.0000
Desert Sunlight 300, LLC	57993	0.0000
Genesis Solar Energy Project	57394	0.0000
North Sky River Energy LLC	58154	0.0000
Portal Ridge Solar C, LLC	60311	0.0000
Western Antelope Blue Sky P	58626	0.0000
CA Flats Solar 150, LLC	60034	0.0000
Cuyama Solar, LLC	60043	0.0000
Gates Solar Station	57892	0.0000
Huron Solar Station	57523	0.0000
Lost Hills/Blackwell	58711	0.0000
RE Astoria	59976	0.0000
Rising Tree Wind Farm II	59235	0.0000
Shiloh III Wind Project LLC	57586	0.0000
West Gates Solar Station	58206	0.0000
Centinela Solar Energy	58430	0.0000
Imperial Solar Energy Center	57490	0.0000
Mountain View III	56112	0.0000
CalRenew-1	56768	0.0000
Cantua Solar Station	57522	0.0000
Diablo Winds LLC	56271	0.0000
Five Points Solar Station	57498	0.0000
FPL Energy Montezuma Wind	57201	0.0000
Guernsey Solar Station	57891	0.0000
Montezuma Wind II	57701	0.0000
Stroud Solar Station	57497	0.0000
Vaca Dixon Solar Station	57041	0.0000
Etiwanda	745	0.0000
Mammoth G1	10480	0.0766
Sunray 2	10437	0.0000

Tehachapi Wind Resource I	10191	0.0000
Tehachapi Wind Resource II	54909	0.0000
Imperial Solar Energy Center	57491	0.0000
Solar Borrego I	57455	0.0000
Ocotillo Express LLC	57514	0.0000
Willow Spring Solar, LLC	60324	0.0000
Voyager Wind IV	61584	0.0000
San Pablo Raceway	62004	0.0000
Alta Wind Energy Center I	57282	0.0000
Alta Wind Energy Center II	57291	0.0000
Difwind Farms Ltd V	54685	0.0000
Voyager Wind I	60594	0.0000
Terra-Gen 251 Wind LLC	52161	0.0000
Oak Creek Energy Systems I	50754	0.0000
Painted Hills Wind Park	50533	0.0000
Ridgetop Energy LLC	10597	0.0000
RE Rosamond One LLC	58498	0.0000
Mojave 5	52144	0.0000
Victory Garden (Tehachapi)	50532	0.0000
Whitewater Hill Wind Partne	56012	0.0000
Windpark Unlimited 1	10027	0.0000
Windpark Unlimited 2	60321	0.0000
CTV Power Purchase Contract	54300	0.0000
Desert Wind Farm, LLC	59968	0.0000
Dion R Holm	380	0.0000
Moccasin	381	0.0000
Bonneville	3075	0.0000
Sunset Reservoir North Basin	57559	0.0000
Colton Solar One, LLC	59597	0.0000
Colton Solar Two, LLC	59598	0.0000
Davis Dam	152	0.0000
Mammoth G2	10481	0.0766
Rock Creek	275	0.0000
A G Wishon	293	0.0000
Alta Powerhouse	214	0.0000
Big Creek Water Works	10282	0.0000
Chili Bar	225	0.0000
Coleman PH	227	0.0000
Cow Creek	229	0.0000
De Sabla	232	0.0000
Deer Creek PH	233	0.0000
Dutch Flat	237	0.0000
El Dorado	238	0.0000
Halsey	241	0.0000
Hat Creek 2	244	0.0000

Kelly Ridge	418	0.0000
Kilarc	253	0.0000
Newcastle	632	0.0000
Oak Flat	626	0.0000
Phoenix	264	0.0000
Potter Valley	274	0.0000
Rollins	34	0.0000
San Joaquin No. 1	278	0.0000
Sly Creek	776	0.0000
South	280	0.0000
Spaulding 1	281	0.0000
Spring Gap	284	0.0000
Three Forks Water Power Pr	54308	0.0000
Toadtown	714	0.0000
Volta 1	290	0.0000
Volta 2	180	0.0000
West Point PH	291	0.0000
Wise	292	0.0000
Oro Loma	59915	0.0000
Imperial Valley Solar, LLC	56917	0.0000
Silver State Solar Power Sout	58644	0.0000
Desert Sunlight 250, LLC	58542	0.0000
Aspiration G	59737	0.0000
Lost Hills Solar LLC	58712	0.0000
San Joaquin Solar	60678	0.0000
Alta Wind X	58394	0.0000
Alta Wind XI	58395	0.0000
Rising Tree Wind Farm III	59236	0.0000
Box Canyon Dam	50179	0.0000
Alta Wind Energy Center III	57292	0.0000
Alta Wind Energy Center IV	57293	0.0000
Alta Wind Energy Center V	57294	0.0000
Vasco Winds	57700	0.0000
Mustang Hills LLC	57833	0.0000
Alta Wind VIII	57835	0.0000
Giffen	57521	0.0000
Windstar 1	57774	0.0000
Pinyon Pine II	57837	0.0000
Pinyon Pine I	57834	0.0000
RE Kansas South LLC	58148	0.0000
Corcoran Solar	58374	0.0000
Cottage Street Solar Facility	58568	0.0000
Solar Star 1	58388	0.0000
Solar Star 2	58389	0.0000
RE Kansas Solar, LLC	58985	0.0000

RE Kent South, LLC	58991	0.0000
CID Solar, LLC	59183	0.0000
Regulus Solar Project	57650	0.0000
Bakersfield PV 1	61117	0.0000
Quinto Solar PV Project	59339	0.0000
Stateline Solar	58646	0.0000
Whitney Point Solar	60975	0.0000
W R Gianelli	448	0.0000
Tacoma	6206	0.0000
Drop 1	585	0.0000
Drop 2 (CA)	385	0.0000
Drop 3 (CA)	386	0.0000
Drop 4	387	0.0000
Drop 5	314	0.0000
East Highline	586	0.0000
Pilot Knob	388	0.0000
Imperial Valley Solar Compat	58062	0.0000
Heber Solar	58398	0.0000
Duke Building 98	59433	0.0000
Coachella	6060	0.8642
Rockwood	7824	0.9333
Western Antelope Dry Ranch	58627	0.0000
Big Pine Creek	391	0.0000
Control Gorge	393	0.0000
Cottonwood	394	0.0000
Foothill	396	0.0000
Franklin (CA)	397	0.0000
Middle Gorge	401	0.0000
Pleasant Valley Hydro	402	0.0000
San Fernando	403	0.0000
San Francisquito 1	6479	0.0000
San Francisquito 2	6480	0.0000
Sepulveda Canyon	316	0.0000
Upper Gorge	407	0.0000
McGinness Hills 3	61912	0.0766
Ormesa Geothermal	50762	0.0766
Hecate Energy Beacon Solar	59315	0.0000
Beacon Solar Plant Site 2	59309	0.0000
Hecate Energy Beacon Solar	59316	0.0000
Hecate Energy Beacon Solar	59317	0.0000
Beacon Solar Plant Site 5	59308	0.0000
Owens Valley Solar Project 1	60953	0.0000
Munro Valley Solar	60412	0.0000
Port of LA Solar FiT Project	61319	0.0000
Xebec 1	62286	0.0000

USPS PV	61250	0.0000
CFW Solar X LLC - Vaughn	62378	0.0000
Westmont 301	61593	0.0000
Westmont 401	61594	0.0000
RE Barren Ridge 1	60389	0.0000
Springbok Solar Farm 1	59532	0.0000
Springbok Solar Farm 2	59840	0.0000
Adelanto Solar Project	57305	0.0000
Pine Tree Solar Project	57306	0.0000
Manzana Wind LLC	57484	0.0000
Pine Tree Wind Power Project	56433	0.0000
Castaic	392	0.0000
Cottonwood Solar, LLC (Goos)	59086	0.0000
Marin Clean Energy Solar On	61013	0.0000
RE Mustang LLC	59150	0.0000
Mustang Two	62015	0.0000
Voyager Wind III	61583	0.0000
Antelope Expansion 2	61264	0.0000
Blythe Solar II, LLC	60092	0.0000
Wistaria Ranch Solar	61750	0.0000
Green Power I	55396	0.0000
G2 Energy Hay Rd	58320	0.5467
Great Valley Solar Portfolio H	59940	0.0000
Hat Creek 1	243	0.0000
Parker	428	0.0000
Mesquite Solar 2, LLC	60307	0.0000
North Rosamond Solar LLC	59879	0.0000
Panoche Valley Solar Farm	57340	0.0000
RE Garland	60233	0.0000
Frankenheimer Power Plant	50219	0.0000
Woodward Power Plant	50218	0.0000
Spaulding 2	282	0.0000
Spaulding 3	283	0.0000
Tule Wind LLC	57913	0.0000
Terra-Gen VG Wind LLC	56570	0.0000
New Hogan Power Plant	50755	0.0000
Axium Modesto Solar	58039	0.0000
Stone Drop	499	0.0000
Don Pedro	439	0.0000
McClure	151	1.1685
Klondike Wind Power	55871	0.0000
Mesa Wind Power Corp	50535	0.0000
Balch 2	218	0.0000
Belden	219	0.0000
James B Black	249	0.0000

Caribou 2	223	0.0000
Cresta	231	0.0000
Haas	240	0.0000
Kerckhoff 2	682	0.0000
Pit 3	266	0.0000
Pit 4	267	0.0000
Pit 5	268	0.0000
Poe	272	0.0000
Stanislaus	285	0.0000
Coram Energy LLC	54299	0.0000
Rancho Penasquitos	56615	0.0000
TPC Windfarms LLC	54647	0.0000
Hamilton Branch	242	0.0000
Lime Saddle	255	0.0000
San Joaquin 2	276	0.0000
Monticello Dam	7646	0.0000
Haypress	10253	0.0000
Forks of Butte Hydro Project	50350	0.0000
Muck Valley Hydroelectric	10458	0.0000
Monterey One Water	54951	0.2887
Rio Bravo Hydro Project	50037	0.0000
Olsen	50180	0.0000
Burney Creek	10706	0.0000
Cove Hydroelectric	10707	0.0000
Deadwood Creek	7507	0.0000
ABEC #2 dba West-Star Dairy	61501	0.6615
ABEC #3 dba Lakeview Dairy	61502	0.6516
ABEC #4 dba CE&S Dairy	61503	0.6472
Baker Creek Hydroelectric	59428	0.0000
Bakersfield 111	59948	0.0000
Bear Creek Solar	58508	0.0000
Cloverdale Solar I	58949	0.0000
Hollister Solar LLC	59268	0.0000
Merced Solar LLC	59265	0.0000
Mission Solar LLC	59267	0.0000
Enerparc CA1 LLC	59122	0.0000
Enerparc CA2, LLC	59978	0.0000
Sonora 1	58578	0.0000
CSU Fresno Solar Project	56813	0.0000
Castor Solar	60277	0.0000
Shasta Solar Farm	58814	0.0000
Kettleman Solar Project	58510	0.0000
Kingsburg Solar	58304	0.0000
La Joya Del Sol	58118	0.0000
Lemoore 1	60142	0.0000

Lost Creek I	10708	0.0000
Madera 1 PV	61421	0.0000
Gosselin Hydro Plant	10128	0.0000
Sun Harvest Solar NDP1	59687	0.0000
Nickel 1 Solar Facility	58034	0.0000
Combie South	846	0.0000
Scott Flat	839	0.0000
Oakley Solar Project	58376	0.0000
2127 Harris Solar Project	58919	0.0000
2097 Helton Solar Project	58920	0.0000
2081 Terzian Solar Project	58918	0.0000
Putah Creek Solar Farm	59550	0.0000
Site 980 65	50322	0.0000
Cold Canyon 1	58379	0.6135
Vintner Solar	58509	0.0000
Grassland 3&4 Solar Project	58204	0.0000
Zero Waste Energy Developr	60220	0.3875
Nelson Creek	50223	0.0000
Verwey-Hanford Dairy Diges	62418	0.7183
Verwey-Hanford Dairy Diges	62419	0.7306
Bakersfield Industrial PV 1	61118	0.0000
Delano Land 1	61116	0.0000
Manteca Land PV	61115	0.0000
Merced 1 PV	61420	0.0000
Redwood 4 Solar Farm	60490	0.0000
ABEC Bidart-Old River LLC	58699	0.7344
Corcoran Solar 3	59900	0.0000
Columbia Solar Energy, LLC	59979	0.0000
Brookfield Tehachapi 1	57962	0.0000
Eagle Creek	63078	0.0000
Kekawaka Power House	54654	0.0000
NextEra Westside PV	60981	0.0000
Diablo Canyon	6099	0.0000
Balch 1	217	0.0000
Bucks Creek	220	0.0000
Butt Valley	221	0.0000
Caribou 1	222	0.0000
Drum 1	235	0.0000
Drum 2	236	0.0000
Electra	239	0.0000
Kings River PH	254	0.0000
Pit 1	265	0.0000
Pit 6	269	0.0000
Pit 7	270	0.0000
Salt Springs	279	0.0000

Tiger Creek	287	0.0000
Forbestown	417	0.0000
Chicago Park	412	0.0000
CSU East Bay	57042	0.3419
SF State University	57043	0.3021
South Belridge Cogeneration	50752	0.3150
Coalinga Cogeneration Facility	50750	0.2538
Oroville Cogeneration LP	54477	0.2710
Adams Solar Center	61496	0.0000
Ashton	825	0.0000
Bear Creek Solar Center	61281	0.0000
Bend	6484	0.0000
Big Fork	6459	0.0000
Blundell	299	0.0766
Bly Solar Center	62272	0.0000
Clearwater 1	3020	0.0000
Clearwater 2	3021	0.0000
Copco 1	294	0.0000
Copco 2	295	0.0000
Cutler Hydro	3646	0.0000
Eagle Point	3024	0.0000
Elbe Solar Center	61497	0.0000
Enterprise Solar, LLC	59386	0.0000
Fall Creek	296	0.0000
Fish Creek	3026	0.0000
Foote Creek I	55607	0.0000
Foote Creek II	55608	0.0000
Foote Creek III	55609	0.0000
Granite	3651	0.0000
Gunlock	7069	0.0000
Iron Gate	297	0.0000
Last Chance	987	0.0000
Latigo Wind Park	59965	0.0000
Mountain Wind Power II LLC	56753	0.0000
Mountain Wind Power LLC	56752	0.0000
Oneida	829	0.0000
Paris	830	0.0000
Pavant Solar II LLC	60449	0.0000
Pavant Solar, LLC	59702	0.0000
Pioneer	3656	0.0000
Pioneer Wind Park, LLC	60259	0.0000
Prospect 1	3032	0.0000
Prospect 3	3034	0.0000
Prospect 4	3035	0.0000
Rock River I LLC	55740	0.0000

Sand Cove	3636	0.0000
Slide Creek	3036	0.0000
Soda	831	0.0000
Soda Springs	3037	0.0000
Stairs	3659	0.0000
Sweetwater Solar	61369	0.0000
Viva Naughton	7050	0.0000
Wallowa Falls	3041	0.0000
Weber	3661	0.0000
BYUI Central Energy Facility	59496	0.2360
Shute Creek Facility	56312	0.4127
Gadsby	3648	0.8998
Grace	827	0.0000
Hayden	525	1.0242
John C Boyle	3028	0.0000
Lemolo 1	3029	0.0000
Lemolo 2	6421	0.0000
Prospect 2	3033	0.0000
Sunnyside Cogen Associates	50951	1.3915
General Chemical	54318	0.3946
Tesoro SLC Cogeneration Pla	56509	0.6288
Toketee Falls	3040	0.0000
Wyodak	6101	1.2650
City of Palo Alto	57714	0.7436
Buena Vista Energy LLC	56446	0.0000
Solar Gen 2 Solar Facility	58592	0.0000
Colgreen North Shore Solar F	60825	0.0000
Dinosaur Point	10005	0.0000
Karen Avenue Wind Farm	10718	0.0000
Kumeyaay Wind	56295	0.0000
Bidwell Ditch Project	10880	0.0000
Hatchet Creek Project	10882	0.0000
Roaring Creek Water Power	10881	0.0000
Ramona Solar Energy	60995	0.0000
Seville 1	59722	0.0000
Difwind Farms Ltd I	54681	0.0000
Difwind Farms Ltd II	54682	0.0000
Altech III	50485	0.0000
San Gorgonio Westwinds II L	50690	0.0000
French Meadows	424	0.0000
Hell Hole Powerhouse	763	0.0000
Oxbow (CA)	426	0.0000
RGS-Rutland VNM SREC II Pro	59777	0.0000
Warm Springs Hydro Project	54261	0.0000
Boulder Canyon Hydro	466	0.0000

Whiskeytown	7189	0.0000
AP North Lake I, LP	59610	0.0000
Tequesquite Landfill Solar PV	60035	0.0000
Antelope DSR 1	60186	0.0000
Wintec Energy Ltd	50276	0.0000
Wagner Wind LLC	58233	0.0000
Springs Generating Station	56144	0.7370
Sand Bar Power Plant	50400	0.0000
Roseville Power Plant #2	7452	1.0345
Robbs Peak	433	0.0000
Camp Far West	531	0.0000
Jones Fork	534	0.0000
SMUD at Van Conett	57670	0.0000
SMUD at Fleshman	57671	0.0000
SMUD at Lawrence	57753	0.0000
RE Dillard 1 LLC	57777	0.0000
RE Dillard 2 LLC	57779	0.0000
RE Dillard 3 LLC	57781	0.0000
Dillard 4 LLC	57806	0.0000
RE Kammerer 1 LLC	57778	0.0000
RE Bruceville 1 LLC	57783	0.0000
RE Kammerer 2 LLC	57780	0.0000
RE Kammerer 3 LLC	57782	0.0000
RE Bruceville 2 LLC	57784	0.0000
RE Bruceville 3 LLC	57785	0.0000
Green Acres Solar Facility 1	57849	0.0000
Green Acres Solar Facility 2	57850	0.0000
RE McKenzie 1 LLC	57816	0.0000
RE McKenzie 2 LLC	57817	0.0000
RE McKenzie 3 LLC	57818	0.0000
RE McKenzie 4 LLC	57819	0.0000
RE McKenzie 5 LLC	57820	0.0000
RE McKenzie 6 LLC	57821	0.0000
Sacramento Soleil LLC	56875	0.0000
Rancho Seco Solar	529	0.0000
Solano Wind	7526	0.0000
Camino	430	0.0000
Jaybird	431	0.0000
Loon Lake	432	0.0000
Union Valley	6612	0.0000
White Rock/Slab Creek	435	0.0000
McClellan (CA)	535	0.6739
Rancho Seco Solar, LLC	60226	0.0000
SMUD at Grundman	57669	0.0000
Calipatria Solar Farm	59088	0.0000

Cascade Solar	58590	0.0000
Desert Green Solar Farm LLC	57959	0.0000
Maricopa West Solar PV, LLC	59607	0.0000
Ramona 1	58909	0.0000
Ramona 2	58911	0.0000
Valley Center 1	58906	0.0000
Valley Center 2	58907	0.0000
Midway Solar Farm III	60315	0.0000
Bear Valley	457	0.0000
Catalina Solar LLC	57708	0.0000
Granger	60516	0.0000
Valley Center	60509	0.0000
Coram Energy LLC (ECT)	54298	0.0000
Oasis Wind	56302	0.0000
Pacific Wind LLC	57757	0.0000
Carlsbad Energy Center	59002	0.5915
Lake Hodges Hydroelectric F	57729	0.0000
R C Kirkwood	382	0.0000
John H Kerr	3833	0.0000
Crane Valley Powerhouse	230	0.0000
Coronal Lost Hills	59638	0.0000
Victory Garden Phase IV LLC	52160	0.0000
Exchequer	409	0.0000
Gianera	7231	0.0909
RE Rosamond Two LLC	58499	0.0000
Mount Signal Solar Farm II	61353	0.0000
MEBA	60496	0.0000
Gopher Creek Wind Farm	61417	0.0000
Valencia 1 Solar CA	61418	0.0000
MM Tulare Energy	55160	0.6219
Isabella Hydro Project	10139	0.0000
Terminus Hydroelectric Proje	54343	0.0000
Santa Felicia Dam	50076	0.0000
Tulare Success Power Projec	10222	0.0000
East Portal Generator	50375	0.0000
Bear Creek	50156	0.0000
Whitewater Hydro Plant	10162	0.0000
Springville Hydroelectric	56125	0.0000
Bishop Creek 2	323	0.0000
Bishop Creek 3	324	0.0000
Bishop Creek 4	325	0.0000
Bishop Creek 5	326	0.0000
Bishop Creek 6	327	0.0000
Borel	328	0.0000
Fontana	332	0.0000

Kaweah 1	337	0.0000
Kaweah 2	336	0.0000
Kaweah 3	338	0.0000
Kern River 1	340	0.0000
Lundy	342	0.0000
Mill Creek 3	7147	0.0000
Poole	353	0.0000
Portal	354	0.0000
Rush Creek	357	0.0000
Santa Ana 1	361	0.0000
Santa Ana 2	362	0.0000
Santa Ana 3	363	0.0000
Lower Tule River	365	0.0000
Green Beanworks B PV	61339	0.0000
Solar Blythe LLC	56939	0.0000
RE Rio Grande Solar LLC	58500	0.0000
Gaskell West 1 Solar Facility	61445	0.0000
RE Victor Phelan Solar One L	58202	0.0000
TA-High Desert LLC	58149	0.0000
Green Beanworks C PV	61215	0.0000
Green Beanworks D PV	61216	0.0000
Temescal Canyon RV, LLC	57656	0.0000
Corcoran Solar 2	59413	0.0000
Adobe Solar	57651	0.0000
Golden Springs Building C-1	57796	0.0000
Golden Springs Building D	57797	0.0000
Industry MetroLink PV 1	57860	0.0000
San Antonio West Solar Roof	57904	0.0000
SEPV 1	58073	0.0000
SEPV 2	58074	0.0000
Sunray 3	10438	0.0000
North Palm Springs 1A	57743	0.0000
North Palm Springs 4A	57722	0.0000
Powhatan Solar Power Gene	58611	0.0000
Otoe Solar Power Generatio	58612	0.0000
Navajo Solar Power Generati	58610	0.0000
Lancaster Dry Farm Ranch B	58750	0.0000
Victor Dry Farm Ranch A	58418	0.0000
Victor Dry Farm Ranch B	58419	0.0000
Sierra Solar Greenworks	59431	0.0000
Coronus Adelanto West 1	59536	0.0000
Coronus Adelanto West 2	59537	0.0000
Garnet Solar Generation Stat	58528	0.0000
RE Columbia 3 LLC	58502	0.0000
McCoy Solar Energy Project I	58462	0.0000

Industry Solar Power Genera	58609	0.0000
Newberry Solar 1 LLC	58226	0.0000
Little Rock Pham Solar	60026	0.0000
L-8 Solar Project	57836	0.0000
Heliocentric	57831	0.0000
One Ten Partners PV	61419	0.0000
Arrache 4006	58445	0.0000
Arrache 4013	58446	0.0000
Arrache 8083	58447	0.0000
Horn	58452	0.0000
Ma	58451	0.0000
Nunn	58448	0.0000
Rutan	58449	0.0000
Vinam	58450	0.0000
Watts 3115	58454	0.0000
Radiance Solar 5	58355	0.0000
Radiance Solar 4	58354	0.0000
SEPV 8	58234	0.0000
SEPV9 Power Plant	58227	0.0000
Summer Solar C2	58755	0.0000
Summer Solar D2	58756	0.0000
Summer Solar A2	58753	0.0000
Summer Solar B2	58754	0.0000
Rodeo Solar C2	58751	0.0000
Rodeo Solar D2	58752	0.0000
Expressway Solar C2	58763	0.0000
Exeter Solar	58306	0.0000
Lindsay Solar	58308	0.0000
Ivanhoe Solar	58307	0.0000
Porterville Solar	58309	0.0000
Tulare 1 and 2	58642	0.0000
Kettering Solar 1	59098	0.0000
Kettering Solar 2	59099	0.0000
Division 1	59094	0.0000
Division 2	59095	0.0000
Division 3	59096	0.0000
Diamond Valley Solar Project	59405	0.0000
Farmersville	59203	0.0000
Lone Valley Solar Park I LLC	58417	0.0000
Lone Valley Solar Park II LLC	59237	0.0000
US-TOPCO (Soccer Center)	60086	0.0000
Orion Solar II	58721	0.0000
Vega Solar	59555	0.0000
RE Adams East, LLC	58984	0.0000
Porterville 6 and 7	59219	0.0000

Hesperia	59182	0.0000
Oltmans SCE at Champagne	58581	0.0000
Oltmans SCE at Jurupa	58582	0.0000
SCE-Snowline-Duncan Road (59359	0.0000
SCE-Snowline-Duncan Road (59360	0.0000
Victor Mesa Linda B2	59269	0.0000
Victor Mesa Linda C2	59270	0.0000
Victor Mesa Linda D2	59271	0.0000
Victor Mesa Linda E2	59272	0.0000
Hanford 1 and 2	59300	0.0000
Desert Hot Springs Solar	58514	0.0000
SCE-Snowline-White Road (N	59422	0.0000
SCE-Snowline-White Rd (Cen	59423	0.0000
Mitchell Solar, LLC	59411	0.0000
Rudy Solar, LLC	59410	0.0000
Madelyn Solar, LLC	59409	0.0000
SCE-Snowline-White Road (S	59421	0.0000
Venable Solar 2	58290	0.0000
Lancaster Solar 1	59167	0.0000
Lancaster Solar 2	59169	0.0000
Morgan Lancaster 1	59942	0.0000
PVN Milliken, LLC	60790	0.0000
SEPV Palmdale East	59273	0.0000
Lancaster WAD B	59739	0.0000
Pumpjack Solar I	59322	0.0000
Catalina Solar 2, LLC	59334	0.0000
Citizen B	59738	0.0000
Wildwood Solar I, LLC	59380	0.0000
Adelanto Solar, LLC	59441	0.0000
Redcrest Solar Farm	58831	0.0000
Central Antelope Dry Ranch	60281	0.0000
Lancaster Little Rock	59262	0.0000
Solar Oasis LLC	59528	0.0000
Atwell Island West Solar	59414	0.0000
Adera Solar	60027	0.0000
Rancho Cucamonga Dist #1	59540	0.0000
Terra Francesco	59541	0.0000
Park Meridian #1	59539	0.0000
Santa Fe Springs Rooftop Sol	58913	0.0000
Santa Fe Springs Rooftop Sol	58912	0.0000
Adelanto Solar II, LLC	59440	0.0000
Central Antelope Dry Ranch	59963	0.0000
North Lancaster Ranch	59962	0.0000
Summer North Solar	58757	0.0000
Nicolis Solar PV Plant	59600	0.0000

Tropico Solar PV Plant	59599	0.0000
SEPV 18	59730	0.0000
SEPV Mojave West	59740	0.0000
SunE Rochester	60032	0.0000
SunE- E Philadelphia Ontario	59916	0.0000
Longboat Solar, LLC	60485	0.0000
Algonquin SKIC 10 Solar, LLC	60242	0.0000
Portal Ridge Solar B, LLC	60310	0.0000
Rio Bravo Solar 1 LLC	59249	0.0000
Rio Bravo Solar II LLC	59250	0.0000
Wildwood Solar II	59253	0.0000
Jacumba Solar Farm	60947	0.0000
RE Garland A	60386	0.0000
CED Ducor 1	60078	0.0000
CED Ducor 2	60079	0.0000
CED Ducor 4	60081	0.0000
CED Ducor 3	60080	0.0000
Building F	60151	0.0000
Building G	60153	0.0000
Buidling L	60154	0.0000
Freeway Springs	60183	0.0000
Dulles	60182	0.0000
Antelope DSR 3	61265	0.0000
Lancaster	62056	0.0000
Valentine Solar, LLC	62288	0.0000
CalCity Solar 1	63054	0.0000
Solar Photovoltaic Project #0	56996	0.0000
Solar Photovoltaic Project #1	57224	0.0000
Solar Photovoltaic Project #1	57229	0.0000
Solar Photovoltaic Project #1	57231	0.0000
Solar Photovoltaic Project #1	57232	0.0000
Solar Photovoltaic Project #2	57236	0.0000
Solar Photovoltaic Project #2	57245	0.0000
Solar Photovoltaic Project #2	57246	0.0000
Solar Photovoltaic Project #1	57226	0.0000
Solar Photovoltaic Project #3	57534	0.0000
Solar Photovoltaic Project #3	57535	0.0000
Solar Photovoltaic Project #0	57220	0.0000
Solar Photovoltaic Project #0	57222	0.0000
Solar Photovoltaic Project #0	57223	0.0000
Solar Photovoltaic Project #1	57225	0.0000
Solar Photovoltaic Project #1	57227	0.0000
Solar Photovoltaic Project #1	57230	0.0000
Solar Photovoltaic Project #2	57237	0.0000
Solar Photovoltaic Project #0	57219	0.0000

Solar Photovoltaic Project #0	57221	0.0000
Solar Photovoltaic Project #0	57217	0.0000
Solar Photovoltaic Project #4	57540	0.0000
Solar Photovoltaic Project #4	57441	0.0000
Solar Photovoltaic Project #2	57247	0.0000
Solar Photovoltaic Project #4	57900	0.0000
Sky River LLC	50536	0.0000
Mountain View IV	57459	0.0000
Mountain View I&2	55719	0.0000
Edom Hills Project 1 LLC	50553	0.0000
Big Creek 1	317	0.0000
Big Creek 2	318	0.0000
Big Creek 2A	322	0.0000
Big Creek 3	319	0.0000
Big Creek 4	320	0.0000
Big Creek 8	321	0.0000
J S Eastwood	104	0.0000
Kern River 3	339	0.0000
Mammoth Pool	344	0.0000
Oxnard Wastewater Treatment	50224	0.4368
Cal State Univ San Bernardino	57544	0.2928
La Grange	440	0.0000
Turlock Lake	161	0.0000
Hickman	162	0.0000
Upper Dawson	489	0.0000
Golden Fields Solar I, LLC	60590	0.0000
Indian Valley Dam Hydro Pro	50129	0.0000
H. Gonzales	56039	0.7128
Sullivan County - Adult Care	60817	0.0000
Bear Valley Power Plant	56346	1.0457
Spring Canyon Expansion Wi	58769	0.0000
Mankato Energy Center	56104	0.3765
CNE at Cambridge MD	59842	0.0000
Georgia Power at Wadley GA	59843	0.0000
Munich Re Plaza	59844	0.0000
Cedar Creek	3255	0.0000
FPL Energy Vansycle LLC (OR	55989	0.0000
Gridley Main Two	58371	0.0000
Nacimiento Hydro Project	50352	0.0000
SEPV Imperial Dixieland East	60745	0.0000
SEPV Imperial Dixieland Wes	60744	0.0000
Seville 2	59723	0.0000
Midway Solar Farm II	60237	0.0000
Citizens Imperial Solar	62052	0.0000
Ormesa II	54724	0.0770

HL Solar	62655	0.0000
Mojave 16	50821	0.0000
Mojave 18	50823	0.0000
Cottonwood Solar, LLC Cotto	59703	0.0000
Outagamie County Co-Gener	54842	0.4595
Tule River	289	0.0000
Angels	215	0.0000
Kingbird A Solar LLC	59868	0.0000
Lansing BWL REO Town Plan	58427	0.2978
Stony Gorge	7151	0.0000
Grizzly	7338	0.0000
Friant Hydro Facility	50393	0.0000
Beardsley	414	0.0000
Black Butte	7229	0.0000
Hometown Bio Energy LLC	58563	0.5603
Leominster (MA)-South Stree	59745	0.0000
AVS Lancaster 1	60085	0.0000
Mount Signal Solar Farm V	61202	0.0000
Windland	50386	0.0000
Meadow Creek Project Comp	58106	0.0000
Venice Hydro	72	0.0000
South Consolidated	100	0.0000
Horse Mesa	145	0.0000
Mormon Flat	148	0.0000
Roosevelt	149	0.0000
Stewart Mountain	150	0.0000
Lake Creek Dam	159	0.0000
Inskip	248	0.0000
Merced Falls	258	0.0000
San Joaquin 3	277	0.0000
Haiwee	398	0.0000
McSwain	410	0.0000
Woodleaf	419	0.0000
Devil Canyon	436	0.0000
Edward C Hyatt	437	0.0000
Cabin Creek	467	0.0000
Georgetown Hydro	472	0.0000
Grand Valley Project Power P	473	0.0000
Salida	474	0.0000
Shoshone (CO)	476	0.0000
Temescal	479	0.0000
Corona	480	0.0000
Rio Hondo	482	0.0000
Coyote Creek	483	0.0000
Red Mountain	484	0.0000

Manitou Springs	494	0.0000
Ruxton Park	495	0.0000
Boysen	505	0.0000
Lamar Plant	508	0.0000
Blue Mesa	512	0.0000
Estes	513	0.0000
Morrow Point	514	0.0000
Big Thompson	515	0.0000
Green Mountain	516	0.0000
Marys Lake	517	0.0000
Flatiron	518	0.0000
Pole Hill	519	0.0000
Lower Molina	520	0.0000
Upper Molina	521	0.0000
Navajo Dam	584	0.0000
South Fork Tolt	622	0.0000
Medicine Bow	692	0.0000
Moccasin Low Head Hydro P	751	0.0000
Gem State	790	0.0000
American Falls	809	0.0000
Bliss	810	0.0000
Cascade Dam	813	0.0000
Clear Lake	814	0.0000
Lower Malad	815	0.0000
Lower Salmon	816	0.0000
Shoshone Falls	818	0.0000
Swan Falls	819	0.0000
Thousand Springs	820	0.0000
Twin Falls (ID)	821	0.0000
Upper Salmon A	822	0.0000
Upper Malad	823	0.0000
Dworshak	840	0.0000
City Power Plant	841	0.0000
Lower No 2	843	0.0000
Upper Power Plant	844	0.0000
Palisades Dam	850	0.0000
Albeni Falls	851	0.0000
Alamo	905	0.0000
Quincy Chute	917	0.0000
Hydro Plant No 3	925	0.0000
Manti Lower	1020	0.0000
Cochrane	2182	0.0000
Hauser	2185	0.0000
Morony	2191	0.0000
Mystic	2192	0.0000

Rainbow (MT)	2193	0.0000
Ryan	2194	0.0000
Hungry Horse	2203	0.0000
Yellowtail	2204	0.0000
Animas	2465	0.0000
East Side	3025	0.0000
Faraday	3045	0.0000
North Fork	3047	0.0000
River Mill	3049	0.0000
Round Butte	3050	0.0000
Sullivan	3053	0.0000
Carmen Smith	3067	0.0000
Leaburg	3068	0.0000
Walterville	3071	0.0000
Big Cliff	3074	0.0000
Cougar	3076	0.0000
Detroit	3077	0.0000
Dexter	3078	0.0000
Green Peter	3080	0.0000
Hills Creek	3081	0.0000
John Day	3082	0.0000
Lookout Point	3083	0.0000
McNary	3084	0.0000
Upper Beaver	3643	0.0000
Olmstead	3655	0.0000
Snake Creek	3658	0.0000
Brigham City	3666	0.0000
Hydro III	3675	0.0000
Manti Upper	3676	0.0000
Bartholomew	3688	0.0000
Spanish Fork	3691	0.0000
Gateway	3697	0.0000
Wanship	3698	0.0000
Boulder	3699	0.0000
Uintah	3704	0.0000
Electron	3854	0.0000
Meyers Falls	3868	0.0000
Yelm	3878	0.0000
The Dalles	3895	0.0000
Cushman 2	3915	0.0000
LaGrande	3916	0.0000
Mossyrock	3918	0.0000
Chief Joseph	3921	0.0000
Ice Harbor	3925	0.0000
Little Goose	3926	0.0000

Lower Monumental	3927	0.0000
Packwood	3929	0.0000
Fremont Canyon	4176	0.0000
Glendo	4177	0.0000
Guernsey	4178	0.0000
Kortes	4180	0.0000
Seminoe	4182	0.0000
Shoshone (WY)	4183	0.0000
Fontenelle	4185	0.0000
Island Park	4204	0.0000
PHP 1	4213	0.0000
PHP 2	4214	0.0000
Echo Dam	4263	0.0000
Helms Pumped Storage	6100	0.0000
Crystal	6159	0.0000
Grand Coulee	6163	0.0000
Libby	6172	0.0000
Lost Creek	6174	0.0000
Lower Granite	6175	0.0000
W E Warne	6196	0.0000
Ross	6202	0.0000
Ames Hydro	6207	0.0000
Mount Elbert	6208	0.0000
Felt	6359	0.0000
Strawberry Creek	6393	0.0000
Swift Creek	6394	0.0000
Anderson Ranch	6395	0.0000
Black Canyon	6396	0.0000
Boise R Diversion	6397	0.0000
Minidoka	6398	0.0000
Canyon Ferry	6400	0.0000
Elephant Butte	6402	0.0000
Green Springs	6403	0.0000
Deer Creek (UT)	6404	0.0000
Flaming Gorge	6405	0.0000
Chandler	6406	0.0000
Roza	6407	0.0000
Heart Mountain	6408	0.0000
Alcova	6409	0.0000
Madison Dam	6422	0.0000
Cedar Falls (WA)	6430	0.0000
Gorge	6431	0.0000
Diablo	6432	0.0000
Azusa	6449	0.0000
Oak Grove	6505	0.0000

Moyie Springs	6506	0.0000
Drop 2 (WA)	6507	0.0000
Fleish	6513	0.0000
Verdi	6531	0.0000
Washoe	6532	0.0000
Little Cottonwood	6537	0.0000
Foster	6552	0.0000
Fort Peck	6623	0.0000
Greg Avenue	6643	0.0000
Lake Mathews	6644	0.0000
Foothill Feeder	6645	0.0000
San Dimas	6646	0.0000
Yorba Linda	6647	0.0000
Lower No 1	7012	0.0000
Unit 4	7015	0.0000
Hydro II	7034	0.0000
Mojave Siphon	7072	0.0000
Upper Salmon B	7079	0.0000
PEC Headworks	7113	0.0000
Wynoochee	7127	0.0000
Thermalito Diverson Dam	7129	0.0000
Pine View Dam	7132	0.0000
Waddell	7164	0.0000
Milner Hydro	7190	0.0000
Tesla	7233	0.0000
Skookumchuck	7259	0.0000
Buffalo Bill	7317	0.0000
McPhee	7372	0.0000
Towaoc	7373	0.0000
Cowlitz Falls	7427	0.0000
Dalles Dam North Fishway P	7431	0.0000
Basalt	7458	0.0000
Lake Mendocino	7489	0.0000
Stone Creek	7508	0.0000
McNary Dam Fish Attraction	7511	0.0000
Spirit Mountain	7541	0.0000
Causey	7548	0.0000
H M Jackson	7588	0.0000
El Vado Dam	7593	0.0000
Abiquiu Dam	7789	0.0000
Snoqualmie 2	7867	0.0000
Pine Flat	7907	0.0000
Kern Canyon	7911	0.0000
Diamond Valley Lake	7942	0.0000
Newhalem	9842	0.0000

Little Mac Project	10049	0.0000
Foothills Hydro Plant	10070	0.0000
Strontia Springs Hydro Plant	10081	0.0000
South Dry Creek Hydro	10138	0.0000
Birch Creek Power	10140	0.0000
South Forks Hydro	10296	0.0000
Copper Dam Plant	10323	0.0000
Peters Drive Plant	10324	0.0000
Mink Creek Hydro	10325	0.0000
Dillon Hydro Plant	10421	0.0000
Williams Fork Hydro Plant	10422	0.0000
North Fork Hydro Plant	10423	0.0000
Gross Hydro Plant	10424	0.0000
Barber Dam	10735	0.0000
Sprague Hydro	10737	0.0000
Magic Dam Hydroelectric Pro	10740	0.0000
Koyle Ranch Hydroelectric Pr	10781	0.0000
Crystal Springs	10806	0.0000
Dietrich Drop	10807	0.0000
Low Line Rapids	10808	0.0000
Rock Creek II	10809	0.0000
Sheep Creek Hydro	50091	0.0000
R E Badger Filtration Plant	50147	0.0000
Vallecito Hydroelectric	50206	0.0000
Rocky Brook Hydroelectric	50228	0.0000
New Lahontan	50261	0.0000
Redlands Water & Power	50267	0.0000
Marco Ranch	50323	0.0000
Michell Butte Power Project	50360	0.0000
Owyhee Dam Power Project	50361	0.0000
Tunnel 1 Power Project	50362	0.0000
Upriver Dam Hydro Plant	50380	0.0000
Twin Reservoirs	50382	0.0000
Cowiche	50423	0.0000
Sugarloaf Hydro Plant	50435	0.0000
Lilliwaup Falls Generating	50700	0.0000
Notch Butte Hydro	50718	0.0000
Stillwater Facility	50765	0.0766
East Winds Project	50820	0.0000
Twin Falls Hydro	50827	0.0000
El Dorado Hydro Elk Creek	50891	0.0000
Bypass	50895	0.0000
S E Hazelton A	50896	0.0000
Middle Fork Irrigation Distric	50917	0.0000
Galesville Project	50938	0.0000

Slate Creek	50961	0.0000
Marsh Valley Development	50972	0.0000
Siphon Power Project	50980	0.0000
Rock Creek I	50987	0.0000
Quail Creek Hydro Plant #1	52039	0.0000
Mojave 4	52142	0.0000
Mojave 3	52143	0.0000
Lacomb Irrigation District	52155	0.0000
Helzel & Schwarzhoff 88 Win	52165	0.0000
Falls Creek	52187	0.0000
Broadwater Power Project	54006	0.0000
San Gabriel Hydro Project	54017	0.0000
Hillcrest Pump Station	54142	0.0000
Opal Springs Hydro	54251	0.0000
Koma Kulshan Associates	54267	0.0000
Wilson Lake Hydroelectric Pr	54306	0.0000
Little Wood Hydro Project	54386	0.0000
Weeks Falls	54387	0.0000
Dry Creek Project	54394	0.0000
EDF Renewable Windfarm V	54453	0.0000
Blind Canyon Hydro	54514	0.0000
Horseshoe Bend Hydroelectr	54524	0.0000
Hazelton B Hydro	54558	0.0000
Swanmill Windfarm I	54650	0.0000
Kanaka	54653	0.0000
Falls River Hydro	54668	0.0000
Ford Hydro LP	54674	0.0000
Boulder City Lakewood Hydr	54679	0.0000
Boulder City Betasso Hydro P	54680	0.0000
Difwind Farms Ltd VI	54686	0.0000
Warm Springs Power Enterpr	54721	0.0000
Taylor Draw Hydroelectric Fa	54729	0.0000
Mile 28 Water Power Project	54812	0.0000
Black Creek	54860	0.0000
Vansycle	55125	0.0000
FPL Energy Vansycle LLC (WA	55560	0.0000
Foote Creek IV	55610	0.0000
Condon Windpower LLC	55739	0.0000
Ridge Crest Wind Partners	55741	0.0000
Boulder City Silver Lake Hydr	55931	0.0000
New Mexico Wind Energy Ce	56097	0.0000
Kimball Wind	56106	0.0000
Colorado Green Holdings LLC	56173	0.0000
Combine Hills I	56195	0.0000
Prescott Airport	56228	0.0000

Helzel & Schwarzhoff 86	56275	0.0000
ZCO	56276	0.0000
Fossil Gulch	56308	0.0000
Aragonne Wind LLC	56336	0.0000
Burley Butte Windpark	56434	0.0000
Golden Valley Wind Park LLC	56435	0.0000
Milner Dam Wind Park LLC	56437	0.0000
Oregon Trail Wind Park	56439	0.0000
Salmon Falls Wind Park	56441	0.0000
Thousand Springs Wind Park	56442	0.0000
Tuana Gulch Wind Park	56443	0.0000
SunE Alamosa	56481	0.0000
Mora Drop Hydroelectric Pro	56498	0.0000
Tiber Dam Hydroelectric Plan	56499	0.0000
Nellis Air Force Base Solar Ar	56568	0.0000
Horseshoe Bend Wind Park	56591	0.0000
Mountain Home	56636	0.0000
Bennett Creek Windfarm LLC	56637	0.0000
Russell D Smith	56694	0.0000
Summer Falls Power Plant	56695	0.0000
Eltopia Branch Canal 4.6	56696	0.0000
Potholes East Canal 66.0	56697	0.0000
Main Canal Headworks	56698	0.0000
Spanish Fork Wind Park 2 LLC	56751	0.0000
Solana Generating Station	56812	0.0000
Denver Int Airport	56815	0.0000
Wheat Field Wind Power Pro	56854	0.0000
Bolthouse S&P and Rowen Fa	56862	0.0000
Chester Diversion Hydroelec	56893	0.0000
Gap Pacific Distribution Cent	56909	0.0000
WWRF Solar Plant	56922	0.0000
Threemile Canyon	56933	0.0000
Cassia Wind	56934	0.0000
Cassia Gulch	56935	0.0000
High Lonesome Mesa LLC	56945	0.0000
Happy Jack Windpower Proje	56960	0.0000
Butter Creek Power LLC	56967	0.0000
Big Top LLC	56968	0.0000
Four Corners Windfarm LLC	56969	0.0000
Four Mile Canyon Windfarm	56970	0.0000
Oregon Trail Windfarm LLC	56971	0.0000
Pacific Canyon Windfarm LLC	56972	0.0000
Sand Ranch Windfarm LLC	56973	0.0000
Wagon Trail LLC	56974	0.0000
Ward Butte Windfarm LLC	56975	0.0000

Arrowrock Hydroelectric Pro	56997	0.0000
SunEdison Walgreens Moren	57004	0.0000
Mariani Packing Vacaville So	57005	0.0000
Walgreens Woodland Distrib	57006	0.0000
SunEdison Ironwood State P	57007	0.0000
SunEdison Procter & Gamble	57008	0.0000
Kohls San Bernardino Solar F	57009	0.0000
SunEdison Anheuser Busch F	57010	0.0000
Chuckawalla Valley State Pris	57011	0.0000
SunEdison Walmart Apple Va	57012	0.0000
NaturEner Glacier Wind Ener	57050	0.0000
Silver Sage Windpower	57091	0.0000
Casper Wind Farm	57093	0.0000
Dry Lake Wind LLC	57098	0.0000
Payne's Ferry	57124	0.0000
Camp Reed	57125	0.0000
Yahoo Creek	57126	0.0000
Tuana Springs	57136	0.0000
RV CSU Power LLC	57141	0.0000
Colorado Highlands Wind	57174	0.0000
Cimarron Solar Facility	57243	0.0000
Kit Carson Windpower	57244	0.0000
Victor Valley CC CPV Solar	57254	0.0000
Texico Wind Ranch LP	57258	0.0000
Crescent Dunes Solar Energy	57275	0.0000
Dutch Wind Energy	57301	0.0000
Maclay Solar Project	57308	0.0000
Pacific Cruise Ship Terminals	57309	0.0000
1420 Coil Av #C	57310	0.0000
Occidental College Solar Proj	57311	0.0000
Metro Support Services Cent	57313	0.0000
San Luis Valley Solar Ranch	57317	0.0000
Poseidon Solar, LLC	57318	0.0000
Luke Solar	57324	0.0000
Roadrunner Solar	57338	0.0000
Red Mesa Wind LLC	57357	0.0000
Siphon Drop Power Plant	57364	0.0000
Cogentrix of Alamosa	57368	0.0000
Questa Solar Facility	57369	0.0000
Bellevue Solar Project	57372	0.0000
Greater Sandhill I	57377	0.0000
Poseidon Wind, LLC	57379	0.0000
UASTP I	57392	0.0000
Yolo County Solar Project	57422	0.0000
Buffalo Ridge II LLC	57424	0.0000

Ryegrass Windfarm	57427	0.0000
Hammett Hill Windfarm	57428	0.0000
Mainline Windfarm	57429	0.0000
Desert Meadow Windfarm	57430	0.0000
Cold Springs Windfarm	57431	0.0000
Juniper Ridge Hydroelectric P	57437	0.0000
Silver State Solar Power Nort	57442	0.0000
Two Ponds Windfarm	57444	0.0000
FRV SI Transport Solar LP	57506	0.0000
RV CSU Power II LLC	57507	0.0000
Carson Solar I	57509	0.0000
Roger Road WWTP	57524	0.0000
Garland Canal Power Plant	57551	0.0000
AFA Solar Farm	57554	0.0000
La Senita	57556	0.0000
Chino Solar Valley	57560	0.0000
Cotton Center Solar Hybrid	57561	0.0000
Paloma Solar Hybrid	57562	0.0000
Hyder Solar Hybrid	57563	0.0000
Albuquerque Solar Energy Ce	57567	0.0000
Los Lunas Solar Energy Cente	57571	0.0000
Deming Solar Energy Center	57575	0.0000
Las Vegas Solar Energy Cente	57576	0.0000
Alamogordo Solar Energy Ce	57577	0.0000
PaTu Wind Farm LLC	57578	0.0000
Robert O Schulz Solar Farm	57579	0.0000
Hatch Solar Energy Center I,	57591	0.0000
Teichert Materials-Teichert V	57594	0.0000
Foundation ST	57626	0.0000
Vestas Towers America, Inc.	57643	0.0000
City & County of Denver at D	57645	0.0000
Yamhill Solar LLC	57652	0.0000
Bakersfield College Solar 01	57655	0.0000
Avra Valley Solar	57657	0.0000
Macys Goodyear	57673	0.0000
Post Rock Wind Power Proje	57678	0.0000
City of Boulder WWTP	57681	0.0000
City of Madera WWTP	57682	0.0000
Staples La Mirada, CA	57683	0.0000
Turnbull Hydro	57690	0.0000
Flatirons Campus (FC)	57692	0.0000
DOE Golden NWTC Research	57693	0.0000
DOE Golden NREL Main Cam	57694	0.0000
Aerojet I	57697	0.0000
Aerojet II	57698	0.0000

SPS1 Dollarhide	57736	0.0000
SPS2 Jal	57737	0.0000
SPS3 Lea	57738	0.0000
SPS4 Monument	57739	0.0000
SPS5 Hopi	57740	0.0000
Gordon Butte Wind LLC	57748	0.0000
Sawtooth Wind Project	57749	0.0000
Coastal Energy Project	57756	0.0000
Power County Wind Park Sou	57760	0.0000
Power County Wind Park No	57761	0.0000
Youngs Creek Hydroelectric P	57763	0.0000
Naval Air Weapons Station C	57764	0.0000
Arizona Western College PV	57765	0.0000
Rockland Wind Farm	57766	0.0000
Palo Verde College	57773	0.0000
Kingman 1	57775	0.0000
RE Bagdad Solar I LLC	57790	0.0000
Foundation AB	57791	0.0000
Foundation IE	57792	0.0000
RE Ajo 1 LLC	57795	0.0000
Lime Wind	57803	0.0000
Dinuba Wastewater Treatme	57827	0.0000
ISH Solar Hospital SDMC	57840	0.0000
ISH Solar Hospital Downey	57841	0.0000
North Hollywood	57854	0.0000
Univ of California San Diego	57856	0.0000
Castle Rock Vineyards	57870	0.0000
2555 E Olympic Bl	57871	0.0000
Baldock Solar Highway	57882	0.0000
Queen Creek Solar Farm	57883	0.0000
Improvement Dst No. 4	57895	0.0000
Solar Star California II LLC	57933	0.0000
Walmart Casa Grande	57939	0.0000
Macho Springs Power I	57947	0.0000
Musselshell Wind Project	57963	0.0000
Musselshell Wind Project Tw	57965	0.0000
Butte College Main Campus	57970	0.0000
Busch Ranch Wind Energy Fa	57980	0.0000
Meridian Vineyards	57982	0.0000
SunE EPE2 LLC	57985	0.0000
SunE EPE1 LLC	57986	0.0000
Foothills Solar Plant Hybrid	57997	0.0000
Salt Palace Solar Gen Plant	58006	0.0000
WSMR I	58010	0.0000
High Mesa	58019	0.0000

IKEA Tejon 345	58028	0.0000
Buckeye Union HS District 20	58037	0.0000
Black Mountain Solar LLC	58042	0.0000
Edwards Air Force Base	58076	0.0000
Intel Folsom	58086	0.0000
Foundation Cemex River Plac	58101	0.0000
Foundation Cemex BMQ	58102	0.0000
Foundation Superior Farms	58104	0.0000
Foundation Wal-Mart Red Bl	58105	0.0000
Foundation Cemex Madison	58112	0.0000
Foundation RRM	58113	0.0000
Foundation Nwana	58114	0.0000
Depot Park Solar System	58119	0.0000
Outback Solar At Christmas V	58131	0.0000
Prescott Solar Plant	58147	0.0000
Black Cap Solar Plant	58150	0.0000
Crafton Hills College Solar Fa	58170	0.0000
Prairie Fire	58171	0.0000
Saddle Mountain Solar I	58213	0.0000
Grassland 1&2 Solar Project	58217	0.0000
Spion Kop Wind Farm	58218	0.0000
Tahquitz High School	58232	0.0000
Kit Carson	58240	0.0000
West Valley High School Sola	58244	0.0000
VA Sepulveda Ambulatory Ca	58249	0.0000
Los Alamos PV Site	58256	0.0000
FAA NorCal TRACON	58261	0.0000
Badger 1	58262	0.0000
Jewish Community Center PV	58292	0.0000
Paradise Valley H.S. PV	58293	0.0000
Gridley Main	58370	0.0000
Hyder II Hybrid	58383	0.0000
Fargo Drop	58384	0.0000
Flint Creek Hydroelectric LLC	58392	0.0000
CSU Northridge Plant	58422	0.0000
Swauk Wind LLC	58441	0.0000
45 Mile Hydroelectric Projec	58455	0.0000
C-Drop Hydro	58470	0.0000
Las Vegas WPCF Solar Plant	58477	0.0000
SEV NM Phase 2	58479	0.0000
CSU Pueblo	58481	0.0000
Picture Rocks Solar, LLC	58486	0.0000
Apex Solar PV Power Project	58489	0.0000
Spectrum Solar PV Power Pr	58490	0.0000
RE Gillespie 1 LLC	58501	0.0000

Chuckawalla Solar	58506	0.0000
Ironwood Solar LLC	58513	0.0000
Union HS at Casa Grande	58516	0.0000
Vista Grande HS at Casa Grande	58517	0.0000
Otero Solar	58520	0.0000
Manzano Solar	58521	0.0000
Madera Community Hospital	58522	0.0000
Crown Cooling Facility	58527	0.0000
Lake Pleasant WTP	58539	0.0000
Silver City WWTP PV Project	58540	0.0000
Gilbert Solar Facility I, LLC	58543	0.0000
Mountain View Solar	58544	0.0000
Community Solar 1	58545	0.0000
SMPA Solar 1 Community Solar	58547	0.0000
Huerfano River Wind	58548	0.0000
GSE NM1	58576	0.0000
Sue Cleveland High School	58588	0.0000
Rio Rancho High School	58589	0.0000
Beryl Solar Plant	58598	0.0000
Cedar Valley Solar Plant	58599	0.0000
Buckhorn Solar Plant	58600	0.0000
Milford Flat Solar Plant	58601	0.0000
Laho Solar Plant	58602	0.0000
Greenville Solar Plant	58603	0.0000
Granite Peak Solar Plant	58604	0.0000
Sol Orchard El Centro PV	58621	0.0000
Carter Hydro	58622	0.0000
Actus Lend Lease DMAFB	58632	0.0000
Monterey Regional Water Plant	58633	0.0000
Lancaster Baptist Church	58634	0.0000
Sacramento Fairbairn Water Treatment	58636	0.0000
Utah Red Hills Renewable Energy	58660	0.0000
Blue Sky One	58689	0.0000
Nooksack Hydro	58696	0.0000
Mira Loma	58698	0.0000
Phoenix Airport East Economic	58708	0.0000
Phoenix Airport Rental Car Center	58709	0.0000
North Bay Solar 1	58748	0.0000
Expressway Solar A	58761	0.0000
Expressway Solar B	58762	0.0000
South Canal Hydro-1	58783	0.0000
South Canal Hydro-3	58784	0.0000
Storrie Lake Solar Project	58794	0.0000
Cogenra - TEP	58832	0.0000
Red Horse 2	58833	0.0000

Gato Montes Solar, LLC	58842	0.0000
ASTI	58889	0.0000
Beringer	58890	0.0000
Prosperity Energy Storage Fa	58899	0.0000
Tri-County Water Hydropow	58901	0.0000
Intel Folsom Phase 2	58954	0.0000
Oregon University System O	58961	0.0000
Las Virgenes Municipal Wate	58963	0.0000
Fairfield Wind	58966	0.0000
Fort Huachuca Solar PV Proje	58972	0.0000
RE Camelot LLC	58983	0.0000
Two Dot Wind Farm	59003	0.0000
Gila Bend Hybrid	59020	0.0000
Rio Rico Solar	59044	0.0000
Vacaville	59058	0.0000
Chopin Wind LLC	59076	0.0000
CSD 2- Freedom High	59129	0.0000
CSD 2 - Heritage High	59130	0.0000
Dartmouth Landfill	59131	0.0000
EAFB - North Base	59132	0.0000
EAFB - South Base	59133	0.0000
SDCCD - Miramar	59138	0.0000
SDCWA - Twin Oaks	59139	0.0000
Brighton PV Solar Plant	59144	0.0000
Avalon Solar	59168	0.0000
Sterling PV 3	59198	0.0000
Mesa PV1	59199	0.0000
Eagle Springs Solar LLC	59239	0.0000
California PV Energy at ISD W	59283	0.0000
Sacramento (SMUD)	59323	0.0000
Golden Acorn Casino	59328	0.0000
City of Soledad Water Reclar	59329	0.0000
Taylor Farms	59330	0.0000
Anheuser-Busch #2	59331	0.0000
Dorena Hydro-Electric Facilit	59357	0.0000
Old Mill Solar	59374	0.0000
Escalante Solar I, LLC	59387	0.0000
Escalante Solar II, LLC	59388	0.0000
Escalante Solar III, LLC	59389	0.0000
Eubank Landfill Solar Array	59393	0.0000
Searchlight Solar	59404	0.0000
Newman Solar	59407	0.0000
Solar Las Vegas MB-1	59430	0.0000
Desert Star	59444	0.0000
Valencia Solar	59454	0.0000

Tech Park Solar	59455	0.0000
Denver Intl Airport IV Solar	59462	0.0000
Ft. Churchill PV	59472	0.0000
Apple Campus 2 PV	59473	0.0000
Jett Creek Windfarm (Burnt)	59490	0.0000
Benson Creek Windfarm (Bu	59491	0.0000
Durbin Creek Windfarm (Bur	59492	0.0000
Prospector Windfarm (Burnt	59493	0.0000
Willow Spring Windfarm (Bu	59494	0.0000
Wright Solar Park	59525	0.0000
Sandoval Solar Energy Cente	59558	0.0000
Springer Solar 1	59560	0.0000
Meadow Lake Solar Energy C	59618	0.0000
Cibola	59619	0.0000
South Milford Solar Plant	59620	0.0000
Sandstone Solar	59634	0.0000
Forever 21 Retail, Inc.	59651	0.0000
Nordhoff Place	59652	0.0000
City of Truth or Consequence	59653	0.0000
Comanche Solar	59656	0.0000
Imperial Valley Solar Co (IVS	59657	0.0000
Mt. Home Solar 1, LLC	59695	0.0000
Sunnyside Ranch Community	59742	0.0000
DSH (CA) - Coalinga State Ho	59746	0.0000
River Mountains Solar	59747	0.0000
CDCR (CA) - Pleasant Valley S	59748	0.0000
Davis Monthan AFB (AZ) Wes	59779	0.0000
Fiddler's Canyon #2	59786	0.0000
Fiddler's Canyon #1	59787	0.0000
Oregon University System Ra	59790	0.0000
Colon PV	59798	0.0000
Airport 1 Solar (DIA)	59807	0.0000
Tooele Army Depot	59817	0.0000
Mohave Electric at Fort Moh	59819	0.0000
Playa Solar 1, LLC	59827	0.0000
Pikes Peak Solar Garden 1 LL	59848	0.0000
Adams Community Solar Gar	59849	0.0000
Adams Community Solar Gar	59850	0.0000
UC Davis South Campus	59872	0.0000
Nellis Solar PV II	59919	0.0000
Fiddler's Canyon 3	59932	0.0000
Iron Springs Solar, LLC	59941	0.0000
Granite Mountain Solar Wes	59945	0.0000
Granite Mountain Solar East,	59946	0.0000
Milford 2	59958	0.0000

Golden West Power Partners	59974	0.0000
Carousel Wind Farm LLC	59975	0.0000
Hooper Solar	60008	0.0000
SR Jenkins Ft Lupton	60023	0.0000
Steel Bridge Solar, LLC	60057	0.0000
Lindberg Field Solar	60060	0.0000
Avalon Solar II	60062	0.0000
Fresno Solar	60083	0.0000
Oregon Convention Center	60112	0.0000
Granby Hydro	60119	0.0000
Peak View Wind Farm	60143	0.0000
Solverde 1	60185	0.0000
Whitethorn Solar LLC	60193	0.0000
South Valley Solar Energy Ce	60195	0.0000
Santa Fe Solar Energy Center	60196	0.0000
Santolina Solar Energy Cente	60197	0.0000
Rio Communities Solar Energ	60198	0.0000
Strata Roof 1	60219	0.0000
Estrella Mountain PV	60230	0.0000
Genentech-Oceanside Hybrid	60231	0.0000
Valley View Solar	60247	0.0000
Skylark	60248	0.0000
Weymouth Solar Plant	60255	0.0000
Alta Luna	60258	0.0000
Playa Solar 2	60261	0.0000
SR Mavericks	60283	0.0000
Red Horse III	60285	0.0000
Montana Solar Facility	60300	0.0000
Holloman Solar Facility	60301	0.0000
San Isabel Solar, LLC	60304	0.0000
Jeffco Community Solar Gard	60320	0.0000
Grove Solar Center, LLC	60330	0.0000
Hyline Solar Center, LLC	60331	0.0000
Open Range Solar Center, LL	60332	0.0000
Railroad Solar Center, LLC	60333	0.0000
Thunderegg Solar Center, LL	60334	0.0000
Vale Air Solar Center, LLC	60335	0.0000
Wal-Mart Truth or Consequen	60341	0.0000
Solar Las Vegas MB 2, LLC	60350	0.0000
Bison Solar LLC	60351	0.0000
Boulder Solar Power, LLC	60352	0.0000
Sulphur Springs	60381	0.0000
Bonnybrooke PV	60413	0.0000
Calligan Creek Hydroelectric	60418	0.0000
RCWD PV Project	60426	0.0000

CA Dept of Public Health at R	60428	0.0000
Three Peaks Power	60432	0.0000
E&B Resources	60446	0.0000
Corcoran	60450	0.0000
Red Rock	60467	0.0000
Greenfield Wind - MT	60486	0.0000
Springbok 3 Solar Farm Hybr	60491	0.0000
SR Skylark B	60497	0.0000
Clear Spring Ranch PV Project	60511	0.0000
Hancock Creek Hydroelectric	60517	0.0000
NorWest Energy 2, LLC	60548	0.0000
Solar Blythe 2	60558	0.0000
Jacobson 5 MW Solar	60603	0.0000
BC Solar	60616	0.0000
Rush Creek Wind	60619	0.0000
Amphitheater High School Sc	60684	0.0000
Canyon Del Oro High School	60685	0.0000
Weld 1 Community Solar Arr	60720	0.0000
Logan 1 Community Solar Ar	60722	0.0000
Conejos 1 Community Solar A	60723	0.0000
Arapahoe 3 Community Sola	60724	0.0000
Xcel Adams 2 Community So	60725	0.0000
Xcel Adams 1 Community So	60726	0.0000
Victory Solar LLC	60764	0.0000
SunAnza	60791	0.0000
CEC Solar #1117, LLC	60801	0.0000
Cloverdale Solar Center	60813	0.0000
Weber State University - Dav	60821	0.0000
Intel - Ocotillo Campus Solar	60822	0.0000
Valley Sanitary District WTP	60824	0.0000
Genentech Vacaville Meter #	60844	0.0000
US GSA - Sacramento	60846	0.0000
Dept of General Services -FT	60861	0.0000
Timothy Lake Powerhouse	60868	0.0000
Solar Star California, XLIV, LL	60869	0.0000
Boulder Solar II, LLC	60885	0.0000
Pavant Solar III	60886	0.0000
Westmont 300B	60914	0.0000
OSLH, LLC	60976	0.0000
CSUF State College	60978	0.0000
CSUF Nutwood Solar	60979	0.0000
Lindberg Field Solar 2	60984	0.0000
Iron Horse Battery Storage H	60996	0.0000
SCDA Solar 1	61006	0.0000
Twin Buttes II Wind	61040	0.0000

Foundation CDCR LAC	61066	0.0000
Foundation Scheid Vineyards	61067	0.0000
Pima Community College - E	61104	0.0000
Quichapa 1	61119	0.0000
Quichapa 2	61120	0.0000
Quichapa 3	61121	0.0000
Intel Folsom Phase 3	61152	0.0000
Big Timber Wind Farm	61155	0.0000
Columbus Solar Project	61165	0.0000
Shavano Falls Hydro	61189	0.0000
Shavano Falls Hydro Drop 4	61190	0.0000
Drop 5	61191	0.0000
IKEA Las Vegas 462	61193	0.0000
Merck - Upper Gwynedd Sol	61198	0.0000
T0588 Phoenix - AZ	61199	0.0000
OR Solar 3, LLC	61201	0.0000
Sacramento Regional County	61209	0.0000
Head of U Canal Hydro Proje	61217	0.0000
Westmont 300A	61249	0.0000
Kayenta Solar Project	61268	0.0000
Gray Hawk Solar	61272	0.0000
River Bend Solar, LLC	61289	0.0000
South Mills Solar, LLC	61290	0.0000
Green Meadow Solar, LLC	61291	0.0000
SR Kersey	61314	0.0000
Great Divide Solar, LLC	61335	0.0000
Black Eagle Solar, LLC	61336	0.0000
Magpie Solar, LLC	61337	0.0000
Mill Creek Solar (OR)	61338	0.0000
Westmont 400A	61348	0.0000
Westmont 400B	61349	0.0000
Amazon - Patterson PV	61377	0.0000
OR Solar 5, LLC	61423	0.0000
OR Solar 8, LLC	61424	0.0000
Coyote Ridge Community So	61425	0.0000
OR Solar 6, LLC	61430	0.0000
Panasonic Carport Solar Hyb	61439	0.0000
Foundation California Traini	61442	0.0000
Foundation Mann Packing	61443	0.0000
Foundation Salinas Valley Sta	61444	0.0000
SR Platte Solar Farm	61462	0.0000
Vandenberg Solar Project	61463	0.0000
San Luis Solar Garden	61472	0.0000
Klamath Falls Solar 2 CSG	61553	0.0000
Facebook 1 Solar Energy Cen	61556	0.0000

Facebook 2 Solar Energy Cen	61557	0.0000
Facebook 3 Solar Energy Cen	61558	0.0000
Woodline Solar	61559	0.0000
Eagle Point Solar	61560	0.0000
Denver Metro Solar	61563	0.0000
Tumbleweed Solar, LLC	61580	0.0000
San Luis Valley Solar Array	61605	0.0000
Vilas Solar Array	61606	0.0000
Stenner Creek Solar	61607	0.0000
Techren Solar I LLC	61611	0.0000
CDCR (CA) - Solano State Pris	61619	0.0000
CDCR (CA) - Corcoran State P	61620	0.0000
CDCR (CA) - Wasco State Pris	61621	0.0000
Kilroy Solar	61628	0.0000
Chiloquin Solar, LLC	61631	0.0000
Carrizozo Solar	61662	0.0000
Pinal Central Energy Center H	61678	0.0000
USG 1	61682	0.0000
USG 2	61683	0.0000
IVC Solar	61692	0.0000
Folsom SP and CSP Sacramen	61698	0.0000
Aerolease	61718	0.0000
Quincy II Solar Garden	61752	0.0000
Imboden Solar Garden	61753	0.0000
Stage Gulch Solar	61791	0.0000
Lavio Solar	61792	0.0000
EGP Stillwater Solar PV II, LLC	61809	0.0000
Titan Solar	61811	0.0000
Target Shafter	61824	0.0000
Dignity - Siena Campus	61825	0.0000
Dayton Cutoff Solar	61827	0.0000
Valley Creek Solar	61828	0.0000
Silverton Solar	61829	0.0000
Sheep Solar	61830	0.0000
Colton Solar	61831	0.0000
Interstate Solar	61832	0.0000
Soboba Community Solar Pro	61834	0.0000
Grand Ronde Solar	61835	0.0000
SeaWorld Aquatica	61843	0.0000
Jordanelle Dam Hydroelectri	61853	0.0000
Dignity - San Martin	61862	0.0000
Bar D	61886	0.0000
National Raisin	61894	0.0000
Casa Mesa Wind Energy Cen	61925	0.0000
Techren Solar II LLC	61930	0.0000

Adams Nielson Solar	61933	0.0000
Gavilan District College Solar	61993	0.0000
UC Merced Solar Hybrid	61995	0.0000
UC Riverside Lots 30 & 32	62016	0.0000
Stanford Campus Solar	62020	0.0000
CSU Long Beach Lots 7 & 14	62028	0.0000
Santa Rosa Junior College Pe	62039	0.0000
Pima Community College	62075	0.0000
Blue Shld Of Cal- El Dorado H	62077	0.0000
Roseville Solar	62114	0.0000
Syncarpha Eagle Nest	62149	0.0000
Chaffey College Rancho Cucu	62150	0.0000
Clif Bar Bakery of Twin Falls	62151	0.0000
Boring Solar LLC	62169	0.0000
Ballston Solar LLC	62170	0.0000
Labish Solar LLC	62171	0.0000
CNMEC Solar Energy Center	62191	0.0000
Oak Leaf Solar XXVII LLC	62224	0.0000
Oak Leaf Solar XXX LLC (CSG)	62239	0.0000
NorWest Energy 9 LLC	62241	0.0000
County of San Diego SBRC	62242	0.0000
Oak Leaf Solar XXI (CSG)	62243	0.0000
Oak Leaf Solar XXXI LLC (CSG)	62244	0.0000
Oak Leaf Solar XXV LLC (CSG)	62245	0.0000
Target Woodland Solar Proje	62246	0.0000
Oak Leaf Solar XXXII (CSG)	62251	0.0000
Oak Leaf Solar XXII LLC (CSG)	62252	0.0000
Oak Leaf Solar XXIV LLC (CSG)	62253	0.0000
Oak Leaf Solar XXVI LLC	62254	0.0000
Oak Leaf Solar XXVIII LLC (CS)	62255	0.0000
Oak Leaf Solar XXIII LLC (CSG)	62256	0.0000
Trout Creek Solar	62260	0.0000
Liberty HS Solar Project	62274	0.0000
Frontier HS Solar Project	62275	0.0000
Francisco St. Solar	62287	0.0000
Grazing Yak Solar	62376	0.0000
City of Gallup Solar	62406	0.0000
Busch Ranch II Wind Farm	62445	0.0000
Vista Solar Energy Center	62467	0.0000
Airport Solar	62560	0.0000
Preferred Freezer San Leand	62578	0.0000
Rio De Oro Solar Energy Cent	62597	0.0000
PFMG Solar Grossmont Helix	62611	0.0000
NVSS-II	62636	0.0000
AZ State University - Tempe	62643	0.0000

SFDK Solar	62649	0.0000
Gilcrest Solar	62663	0.0000
Quincy Solar	62664	0.0000
Lafayette Horizon Solar CSG	62667	0.0000
American Canyon Solar	62687	0.0000
Malech Solar Farm	62688	0.0000
Hellyer Solar Farm	62689	0.0000
Guadalupe Solar Farm	62690	0.0000
Mesa CSG 2 Massicotte	62718	0.0000
Mesa CSG 1 Murdock	62719	0.0000
Solar Star Palo Alto I, LLC	62732	0.0000
RC Energy AA LLC Solar Facili	62756	0.0000
Bloomington Solar I	62805	0.0000
Amazon Denver DEN3	62877	0.0000
Desert Star Hybrid	62965	0.0000
Grossmont HS Solar Project	62987	0.0000
Bluewater CDEC 1	62994	0.0000
Grants CDEC 2	62995	0.0000
SCCCD - Clovis Community C	63021	0.0000
Gloucester Solar	63031	0.0000
SCCCD - Fresno Community C	63068	0.0000
Reedley Community College	63074	0.0000
San Miguel I Solar Energy Ce	63081	0.0000
San Miguel II Solar Energy Ce	63082	0.0000
Syncarpha El Rito	63124	0.0000
Tom Sifers Solar	63163	0.0000
Whiskey Hill Solar	63164	0.0000
Rio Rancho Solar Energy Cen	63184	0.0000
CID Solar (CA)	63204	0.0000
Rafael Solar	63206	0.0000
Case Creek Solar	63207	0.0000
Kale Patch Solar	63208	0.0000
Mtn. Solar 1	63276	0.0000
Mtn. Solar 2	63277	0.0000
CO LI CSG 1 - Kamerra	63278	0.0000
Garrett Solar	63301	0.0000
Alticor Inc - Solar Project	63303	0.0000
Starvation	63344	0.0000
OE_AZ1	63349	0.0000
Medline Ind. Phase 2 Tracy	63361	0.0000
Niagara Bottling Stockton	63363	0.0000
Phelan Pinon Hills CSD Solar	63376	0.0000
Castaic Lake Phase II	63385	0.0000
City of Rio Rancho WWTP	63391	0.0000
Tickle Creek Solar	63442	0.0000

Thomas Creek Solar	63443	0.0000
RE-VFO LLC	63455	0.0000
D'Arrigo Brothers - Phase 4	63486	0.0000
PSREC/SIAD Solar	63493	0.0000
Moonlight Packing - Phase 2	63514	0.0000
California City	63516	0.0000
Pima Community College NV	63531	0.0000
Amazon_DEN2	63536	0.0000
Mohave Electric Cooperative	63554	0.0000
Britton Solar Energy Center	63579	0.0000
SR Kersey II	63586	0.0000
SR Skylark C	63587	0.0000
Pleasanton - Amador Valley I	63630	0.0000
North Kern State Prison Phas	63651	0.0000
IBM Solar	63869	0.0000
Vacaville Hospital	63928	0.0000
Hyperion Treatment Plant Ch	60690	0.5247
Valero Wilmington Cogenera	63285	0.4928
Mohave County Wind Farm	63114	0.0000
Nevada Solar One	56405	0.0137
Western 102 Power Plant	56500	0.4678
Broadridge Cogen	57580	0.5364
Irwindale Brew Yard, LLC	58056	0.5866
CBS Television City	58253	0.3940
City of Hayward WWTP	58525	0.3931
Sierra Nevada Brewing Co Hy	58585	0.2265
Santa Rita Jail Hybrid	58625	0.3405
City of Tulare Water Facility	59395	0.4774
Dillon Wind LLC	56791	0.0000
American Kings Solar, LLC	60777	0.0000
Maverick Solar, LLC	62178	0.0000
Borden Solar Farm	59531	0.0000
Sun Streams, LLC	60827	0.0000
Blythe Solar III, LLC Hybrid	60094	0.0000
Highline	7224	0.0000
Beacon BESS 1	61431	0.0000
Oregon State University	57653	0.2210
Veyo	3635	0.0000
Southern Owens Valley Solar	57304	0.0000
Van Norman Bypass Solar Pr	57307	0.0000
LATTC South Campus Solar	57312	0.0000
Foothill Solar Project	59799	0.0000
Blythe Solar IV, LLC	60095	0.0000
Rancho Seco Solar II, LLC	63387	0.0000
Wildflower Solar I, LLC	62988	0.0000

Walnut Power Plant	4256	0.3937
Lopez Canyon	57730	0.0000
USPS FIT 1B - BP14-009B-700	61251	0.0000
USPS FIT 2A - BP14-011A-700	61252	0.0000
USPS FIT 2B - BP14-011B-700	61253	0.0000
SANTA MARIA II LFG POWER	57100	1.1222
Altwind 1 - Altwind 1	P1	0.0000
Altwind 2 - Altwind 2	P2	0.0000
Altwind 3 - Altwind 3	P3	0.0000
Desert Winds I - Desert Wind	P4	0.0000
Desert Winds II Pwr Purch Tr	P5	0.0000
Desert Winds III - Desert Wir	P6	0.0000
San Gorgonio Altwind - San G	P7	0.0000
San Gorgonio East - San Gorg	P8	0.0000
1122-11423 Vanowen - FITS1	P9	0.0000
1160-2645 La Cienega Ave -	P10	0.0000
1254-10261 Glenoaks Blvd -	P11	0.0000
1425-12360 Foothill Blvd - FI	P12	0.0000
14539 Blythe Solar PV - FITS1	P13	0.0000
21717 Nordhoff - FITS1007 -	P14	0.0000
8011-658 Venice Blvd. - FITS	P15	0.0000
Bathke Broadway Properties	P16	0.0000
Capelin Distribution Center -	P17	0.0000
Cathay LA - Solar Project - Fi	P18	0.0000
Chatsmouth Solar Project 1 -	P19	0.0000
DS2 Solar FIT Project - FiTS10	P20	0.0000
DS3 Solar FIT Project - FiTS10	P21	0.0000
Figueroa & Ave 61 Center - F	P22	0.0000
FITS1017 - 11115 Laurel Can	P23	0.0000
Harbor Regional Park Ground	P24	0.0000
KSI Solar Whiteman - FITS10	P25	0.0000
LAX Logistic Industrial Center	P26	0.0000
Layline Distribution Center -	P27	0.0000
Mastercraft 96.64kW Solar P	P28	0.0000
M-C Investments 4558 Brazil	P29	0.0000
North Figueroa & Ave. 58-59	P30	0.0000
Oxen Solar I - FITD1019 - 113	P31	0.0000
Prairie Solar I - FITS1025 - 20	P32	0.0000
Prairie Solar II - FITS1026 - 19	P33	0.0000
Saf Keep Melrose - FITS1016	P34	0.0000
Saf Keep San Fernando - FITS	P35	0.0000
Shri Ji Ram Solar FIT Project -	P36	0.0000
SOL #1235 LOS ANGELES - FI	P37	0.0000
Sunstarter Solar CXVI - FITS1	P38	0.0000
Tangen Building - FITS1009 -	P39	0.0000

Van Nuys Air - Hannah Solar	P40	0.0000
Aeroplex - FITS1100 - 16143	P41	0.0000
Aeroplex 2 - FITS1099 - 7943	P42	0.0000
Flight Building 1 - FITS1049 -	P43	0.0000
Flight Building 6 - FITS1054 -	P44	0.0000
Flight Building 7 - FITS1055 -	P45	0.0000
Flight Building 8 - FITS1056 -	P46	0.0000
Flight Building 10 - FITS1058	P47	0.0000
Van Nuys Air - 16620 Stagg S	P48	0.0000
Flight Building 2	P49	0.0000
Flight Building 3 - FITS1051 -	P50	0.0000
Flight Building 4 - FITS1052 -	P51	0.0000
Flight Building 5 - FITS1053 -	P52	0.0000
Foothill - FITS1087 - 7061 Fo	P53	0.0000
13207 Bradley Avenue - FITS	P54	0.0000
Flight Building 11 - FITS1059	P55	0.0000
Flight Building 12 - FITS1060	P56	0.0000
Flight Building 13 - FITS1061	P57	0.0000
Sun Valley 2 - FITS1101 - 110	P58	0.0000
BJE Solar FiT Project II - FITS1	P59	0.0000
Flight Building 9 - FITS1057 -	P60	0.0000
Valley Solar 1 - FITS1094 - 93	P61	0.0000
Valley Solar 5 - FITS1093 - 93	P62	0.0000
Valley Solar 6 - FITS1095 - 19	P63	0.0000
BJE Solar FiT Project - FITS10	P64	0.0000
WE Solar FiT Project - FITS10	P65	0.0000
US Customhouse - BP 14-011	P66	0.0000
Berths 153 154-155 - BP14-0	P67	0.0000
Ardagh Cannery Building 8 -	P68	0.0000
Napa FiT - FITS1073 - 16901-	P69	0.0000
Flight Building 14 - FITS1062	P70	0.0000
Woodman and Nordhoff Cen	P71	0.0000
De Soto - FITS1103 - 9401 De	P72	0.0000
LA Convention Center Carpo	P73	0.0000
Main St - General Service HO	P74	0.0000
Metro Center - Parking Gara	P75	0.0000
Owens Dry Lake Solar Demo	P76	0.0000
Valley Generating Station - A	P77	0.0000
Harbor Generating Station -	P78	0.0000
Solar Rooftops Program - Gro	P79	0.0000
Haiwee Power Plant - Haiwe	P80	0.0000
Haiwee Power Plant - Haiwe	P81	0.0000
AT&T Park Solar Arrays	P82	0.0000
SF Service Center Solar Array	P83	0.0000
SF Service Center Solar Array	P84	0.0000

CHARCOAL RAVINE	P85	0.0000
HAT CREEK HEREFORD RANC	P86	0.0000
JAMES B. PETER	P87	0.0000
JAMES CRANE HYDRO	P88	0.0000
JOHN NEERHOUT JR.	P89	0.0000
KINGS RIVER HYDRO CO.	P90	0.0000
LOFTON RANCH	P91	0.0000
ORANGE COVE IRRIGATION D	P92	0.0000
ROCK CREEK WATER DISTRIC	P93	0.0000
SCHAADS HYDRO	P94	0.0000
SWISS AMERICA	P95	0.0000
2103 HILL PRISTINE SUN LLC	P96	0.0000
2105 HART (Oroville Solar)	P97	0.0000
2154 Foote (Oroville Solar)	P98	0.0000
AMERICAN ENERGY, INC. (SA	P99	0.0000
AMERICAN ENERGY, INC. (W	P100	0.0000
APEX 646-460	P101	0.0000
BROWNS VALLEY IRRIGATION	P102	0.0000
BUCKEYE HYDROELECTRIC PR	P103	0.0000
CALAVERAS PUBLIC UTILITY D	P104	0.0000
CALAVERAS PUBLIC UTILITY D	P105	0.0000
CALAVERAS PUBLIC UTILITY D	P106	0.0000
DIGGER CREEK RANCH	P107	0.0000
Goose Valley Hydro (SB32)	P108	0.0000
GreenLight- Peacock Solar Pr	P109	0.0000
JACKSON VALLEY IRRIGATION	P110	0.0000
Lassen Station Hydro	P111	0.0000
MADERA CANAL (1174 + 84)	P112	0.0000
Madera Canal (1923)	P113	0.0000
MADERA CANAL STATION 13	P114	0.0000
Mathew's Dam Hydro	P115	0.0000
MCFADDEN HYDROELECTRIC	P116	0.0000
Mill Sulphur Creek Project	P117	0.0000
NEVADA IRRIGATION DISTRIC	P118	0.0000
PCWA – Lincoln Metering an	P119	0.0000
Pristine Sun- 2192 Ramirez	P120	0.0000
Pristine Sun Alvares 2041	P121	0.0000
Pristine Sun Buzzelle	P122	0.0000
Pristine Sun Christensen	P123	0.0000
Pristine Sun Cotton 2096	P124	0.0000
PRISTINE SUN FITZJARRELL	P125	0.0000
Pristine Sun Jardine	P126	0.0000
PRISTINE SUN JARVIS	P127	0.0000
Pristine Sun Rogers	P128	0.0000
Pristine Sun Scherz	P129	0.0000

Pristine Sun Smotherman	P130	0.0000
Pristine Sun Stroing	P131	0.0000
ROCK CREEK L.P.	P132	0.0000
Salmon Creek Hydroelectric	P133	0.0000
SANTA MARIA II LFG POWER	P134	0.0000
SHAMROCK UTILITIES (CEDA	P135	0.0000
SHAMROCK UTILITIES (CLOV	P136	0.0000
SIERRA GREEN ENERGY	P137	0.0000
SILVER SPRINGS	P138	0.0000
Sirius Solar	P139	0.0000
TUNNEL HILL HYDROELECTRI	P140	0.0000
Twin Valley Hydro	P141	0.0000
Water Wheel Ranch	P142	0.0000
YUBA COUNTY WATER AGEN	P143	0.0000
GRASSHOPPER FLAT	P144	0.0000
Sutter's Mill	P145	0.0000
Hayward Paul Luckey	P146	0.0000
J Bar 9 Ranch, Inc. (LU)	P147	0.0000
West Side	P148	0.0000
Cape Scott Wind	P149	0.0000
Dokie Wind	P150	0.0000
Meikle Wind	P151	0.0000
Moose Lake Wind	P152	0.0000
Pennask Wind Farm	P153	0.0000
Quality Wind	P154	0.0000
FIT - McClellan Park	P155	0.0000
Sutter's Landing Solar	P156	0.0000
SMUD PV - Hedge Substation	P157	0.0000
Cal Expo	P158	0.0000
Utility Operations Center	P159	0.0000
Shinish Creek Wind Farm	P160	0.0000
TerraGen Mojave Wind Farm	P161	0.0000
CITY OF WATSONVILLE	P162	1.1222
BLAKE'S LANDING FARMS, IN	P163	1.1222
Clover Flat LFG	P164	1.1222
OPEN SKY DAIRY DIGESTER #	P165	1.1222
SAN LUIS OBISPO AD (aka HZ	P166	1.1222
VERWEY MADERA DAIRY DIG	P167	1.1222
ABEC Bidart-Stockdale LLC	P168	1.1222
Still Water Power	P169	1.1222
Van Warmerdam Dairy Diges	P170	1.1222
New Hope Dairy Digester	P171	1.1222
Van Steyn	P172	1.1222
Fiscalini Farms	P173	1.1222
1080 CHESTNUT CORP.	P174	0.3937

AIRPORT CLUB	P175	0.3937
ARDEN WOOD BENEVOLENT	P176	0.3937
CITY OF WATSONVILLE	P177	0.3937
GREATER VALLEJO RECREATI	P178	0.3937
HAYWARD AREA REC & PARK	P179	0.3937
NIHONMACHI TERRACE	P180	0.3937
ORINDA SENIOR VILLAGE	P181	0.3937
SATELLITE SENIOR HOMES	P182	0.3937
UC Davis Medical Center	P183	0.3937
Elk Grove Milling	P184	0.3937
GFP Ethanol, LLC dba Calgren	P185	0.3937
Techni-Cast Corp	P186	0.3937
Aligned Microgrid	P187	0.8038
CSE Arizona Facility	P188	0.5955
Gila River Power Station - All	P189	0.4191
Gila River Power Station - Blc	P190	0.4209
Gila River Power Station - Blc	P191	0.4088
Gila River Power Station - Blc	P192	0.4254
Gila River Power Station - Blc	P193	0.4209
La Rosita Power Project (ME)	P194	0.4161
MCAS Yuma Microgrid MCGX	P195	0.8038
Mesquite Generating Station	P196	0.3939
Stotz Southern Generation	P197	0.5955
Termoelectrica de Mexicali (P198	0.3832
26-foot Drop Small Hydro	P199	0.0000
Blackspring Ridge 1A Wind P	P200	0.0000
Blackspring Ridge 1B Wind P	P201	0.0000
Bridge River 1 Hydroelectric	P202	0.0000
Bridge River 2 Hydroelectric	P203	0.0000
Cheakamus Hydroelectric Ge	P204	0.0000
Energía Sierra Juárez Wind F	P205	0.0000
G.M. Shrum Hydroelectric Ge	P206	0.0000
Grand View 5 East	P207	0.0000
Halkirk I Wind Project (CAN)	P208	0.0000
Kootenay Canal Hydroelectri	P209	0.0000
Mica Hydroelectric Generati	P210	0.0000
Peace Canyon Hydroelectric	P211	0.0000
Revelstoke Hydroelectric Ge	P212	0.0000
Seven Mile Hydroelectric Ge	P213	0.0000
Utility Built Solar (LADWP)	P214	0.0000
FIT Solar	P215	0.0000

ASSET CONTROLLING SUPPLIER RESOURCE MIX CALCULATOR

Instructions: Enter total net specified procurement of ACS system resources into cell A8, A23, or A38. In Column E, the calculator will determine quantities of resource-specific net procurement for entry on Schedule 1.

		Powerex		
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind	0.00	-
		Coal		-
		Large hydroelectric	0.88	-
		Natural gas	0.01	-
		Nuclear	0.01	-
		Other	0.04	-
		Unspecified Power	0.06	-

		Bonneville Power Administration		
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar	0.00	-
		Wind		-
		Coal		-
		Large hydroelectric	0.85	-
		Natural gas	0.00	-
		Nuclear	0.11	-
		Other	0.01	-
		Unspecified Power	0.04	-

		Tacoma Power		
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-

Coal		-
Large hydroelectric	0.90	-
Natural gas		-
Nuclear	0.06	-
Other		-
Unspecified Power	0.04	-

**POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM
for the year ending December 31, 2020
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO NAME)**

I, Joseph A. Holtman, Vice President of Direct Energy Business, LLC, declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of Direct Energy Business, LLC, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.

Name: Joseph A. Holtmans

Representing (Retail Supplier): Direct Energy Business, LLC

Signature: _____

Dated: _____

Executed at: _____