

DOCKETED

Docket Number:	22-PSDP-01
Project Title:	Power Source Disclosure Program - 2021 Reporting
TN #:	246157
Document Title:	FINAL 2021 Power Source Disclosure Annual Report public version
Description:	Final 2021 Power Source Disclosure Annual Report Public versions, with redactions
Filer:	Barbara S. Farmer
Organization:	Direct Energy Business, LLC
Submitter Role:	Applicant
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2021 POWER SOURCE DISCLOSURE ANNUAL REPORT For the Year Ending December 31, 2021

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	
Standard Product Offer	
CONTACT INFORMATION	
NAME	Barbara Farmer
TITLE	Regulatory Reporting Analyst
MAILING ADDRESS	910 Louisiana Street, Suite B200
CITY, STATE, ZIP	Houston, TX 77002
PHONE	281-731-5027
EMAIL	barbara.farmer@nrg.com
WEBSITE URL FOR PCL POSTING	https://business.directenergy.com/privacy-and-legal

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) 805-7439.

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2021
Direct Energy Business, LLC
Standard Product Offer

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 Power", "BPA", or "Tacoma Power" 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)	
Net Specified Procurement (MWh)	
Unspecified Power (MWh)	
Procurement to be adjusted	-
Net Specified Natural Gas	
Net Specified Coal & Other Fossil Fuels	
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	
GHG Emissions (excludes grandfathered emissions)	
GHG Emissions Intensity (in MT CO ₂ e/MWh)	0.3305

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
Colgreen North Shore - Colgreen Northshore, LLC	Solar	CA	W7283	61666A		60825	183139	50,000	133,139	133,139	-	-	
Alta Wind III - Alta Wind III	Wind	CA	W1842	61092A		57292	11,000	-	11,000	11,000	-	-	
Pinyon Pines Wind II	Wind	CA	W2904	61808A		57837	7,000	-	7,000	7,000	-	-	
Alta Wind X - Alta Wind X	Wind	CA	W3537	62244A		58394	12,000	-	12,000	12,000	-	-	
Alta Wind XI - Alta Wind XI	Wind	CA	W3538	62245A		58395	15,000	15,000	-	-	-	-	
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A		P149	13,007	-	13,007	13,007	-	-	
CED Wistaria Solar, LLC - Wistaria Ranch Solar	Solar	CA	W7130	62623A		61750	10,000	10,000	-	-	-	-	
Copper Mountain Solar 4 - Copper Mountain Solar	Solar	NV	W5023	62662A		59814	10,000	100	9,900	9,900	-	-	
Dillon-Dillon Wind LLC	Wind	CA	W728	60542A		56791	17,000	10,000	7,000	7,000	-	-	
Dokie Wind - Dokie Wind	Wind	BC	W1992	61360A		P150	8,999	-	8,999	8,999	-	-	
Maverick Solar, LLC - Maverick Solar, LLC	Solar	CA	W10973	63321A		62178	23,400	-	23,400	23,400	-	-	
Mesquite Solar 2 - Mesquite Solar 2, LLC	Solar	AZ	W5299	62664A		60307	16,600	-	16,600	16,600	-	-	
Quality Wind - Quality Wind	Wind	BC	W3160	62247A		P154	10,494	-	10,494	10,494	-	-	
RE Tranquility - RE Tranquility	Solar	CA	W4898	61269A		59939	38,000	-	38,000	38,000	-	-	
Regulus Solar, LLC - Regulus Solar, LLC	Solar	CA	W4387	61428A		57650	30,000	10,000	20,000	20,000	-	-	
Rising Tree Wind Farm III LLC	Wind	CA	W4612	62469A		59236	15,000	-	15,000	15,000	-	-	

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 CO ₂ e/MWh)	GHG Emissions (in MT CO ₂ e)	Eligible for Grandfathered Emissions?
American Falls Solar II, LLC - American Falls Solar	Solar	ID	W5375	63450A	60012	Unspecified	821	-	821	821	0.4280	351	Yes
American Falls Solar II, LLC - American Falls Solar	Solar	ID	W5375	63450A	60012	Unspecified	1,235	-	1,235	1,235	0.4280	529	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	Unspecified	794	-	794	794	0.4280	340	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	Unspecified	1,404	-	1,404	1,404	0.4280	601	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	Unspecified	123	-	123	123	0.4280	53	Yes
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	Unspecified	1,529	-	1,529	1,529	0.4280	654	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	Unspecified	4,088	-	4,088	4,088	0.4280	1,750	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	Unspecified	3,060	-	3,060	3,060	0.4280	1,310	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	Unspecified	8,730	-	8,730	8,730	0.4280	3,736	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	Unspecified	8,870	-	8,870	8,870	0.4280	3,796	No
Clear Water Paper Corporation -#4 turbine genera	Biomass & biowa	ID	W129	60533A	50637	Unspecified	13,813	-	13,813	13,813	0.4280	5,912	No
Dokie Wind -Dokie Wind	Wind	BC	W1992	61360A	P150	Unspecified	1,863	-	1,863	1,863	0.4280	797	No
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	139	-	139	139	0.4280	59	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	2,200	-	2,200	2,200	0.4280	942	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	424	-	424	424	0.4280	181	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	9,365	-	9,365	9,365	0.4280	4,008	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	160	-	160	160	0.4280	68	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	16,403	-	16,403	16,403	0.4280	7,020	Yes

Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	5,599		5,599	5,599	0.4280	2,396	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	6,406		6,406	6,406	0.4280	2,742	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	400		400	400	0.4280	171	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	Unspecified	2,646	-	2,646	2,646	0.4280	1,132	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	Unspecified	550		550	550	0.4280	235	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	Unspecified	509		509	509	0.4280	218	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	Unspecified	1,575		1,575	1,575	0.4280	674	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	Unspecified	1,299		1,299	1,299	0.4280	556	Yes
Grandview 5 EAST - Grandview 5 EAST	Solar	ID	W5069	61595A	60068	Unspecified	719	-	719	719	0.4280	308	Yes
Grandview 5 EAST - Grandview 5 EAST	Solar	ID	W5069	61595A	60068	Unspecified	1,149		1,149	1,149	0.4280	492	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	438	-	438	438	0.4280	187	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	1,656		1,656	1,656	0.4280	709	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	119		119	119	0.4280	51	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	80		80	80	0.4280	34	Yes
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A	P151	Unspecified	904	-	904	904	0.4280	387	No
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A	P151	Unspecified	29,049		29,049	29,049	0.4280	12,433	No
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A	P152	Unspecified	885	-	885	885	0.4280	379	No
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A	P152	Unspecified	3,688		3,688	3,688	0.4280	1,578	No
Murphy Flat - Murphy Flat Power, LLC	Solar	ID	W5395	63449A	60009	Unspecified	1,230	-	1,230	1,230	0.4280	526	Yes
Murphy Flat - Murphy Flat Power, LLC	Solar	ID	W5395	63449A	60009	Unspecified	1,185		1,185	1,185	0.4280	507	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	Unspecified	17,864	-	17,864	17,864	0.4280	7,646	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	Unspecified	1,502		1,502	1,502	0.4280	643	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	Unspecified	3,200		3,200	3,200	0.4280	1,370	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	Unspecified	16,277		16,277	16,277	0.4280	6,967	Yes
Orchard Ranch Solar, LLC- Orchard Ranch Solar,	Solar	ID	W5373	63448A	60010	Unspecified	1,153	-	1,153	1,153	0.4280	493	Yes
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	Unspecified	155	-	155	155	0.4280	66	No
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	Unspecified	2,382		2,382	2,382	0.4280	1,019	No
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	Unspecified	3,237		3,237	3,237	0.4280	1,385	No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	Unspecified	600	-	600	600	0.4280	257	No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	Unspecified	20,267		20,267	20,267	0.4280	8,674	No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	Unspecified	4,133		4,133	4,133	0.4280	1,769	No
Seneca Sustainable Energy	Biomass & biowa	OR	W2045	61090A	57457	Unspecified	3,495	-	3,495	3,495	0.4280	1,496	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	Unspecified	1,883	-	1,883	1,883	0.4280	806	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	Unspecified	1,630		1,630	1,630	0.4280	698	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	Unspecified	53		53	53	0.4280	23	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	Unspecified	2,994		2,994	2,994	0.4280	1,281	No
Simcoe Solar, LLC - Simcoe Solar, LLC	Solar	ID	W5372	73447A	60748	Unspecified	1,247	-	1,247	1,247	0.4280	534	Yes
WestRock CP, LLC - Tacoma Mill	Biomass & biowa	WA	W1228	60697A	57099	Unspecified	7,692	-	7,692	7,692	0.4280	3,292	No

SPECIFIED NON-RENEWABLE PROCUREMENTS

Facility Name	Fuel Type	State or Province	N/A	N/A	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
Mammoth Pool	Large Hydro	CA				344	11,416	-	11,416	11,416	-	-	
Palo Verde Nuclear Generating	Nuclear	AZ				6008	36,524	-	36,524	36,524	-	-	
Balch #1 PH	Large Hydro	CA				217	304	-	304	304	-	-	
Balch #2 PH	Large Hydro	CA				218	954	-	954	954	-	-	
Belden	Large Hydro	CA				219	1,198	-	1,198	1,198	-	-	
Bucks Creek	Large Hydro	CA				220	150	-	150	150	-	-	
Butt Valley	Large Hydro	CA				221	156	-	156	156	-	-	
Caribou 1	Large Hydro	CA				222	293	-	293	293	-	-	
Caribou 2	Large Hydro	CA				223	1,262	-	1,262	1,262	-	-	
Cresta	Large Hydro	CA				231	988	-	988	988	-	-	
Drum #1	Large Hydro	CA				235	347	-	347	347	-	-	
Drum #2	Large Hydro	CA				236	1,227	-	1,227	1,227	-	-	

Electra	Large Hydro	CA				239	1,308	-	1,308	1,308	-	-	
Haas	Large Hydro	CA				240	792	-	792	792	-	-	
James B Black	Large Hydro	CA				249	2,782	-	2,782	2,782	-	-	
Kerckhoff #2 PH	Large Hydro	CA				682	1,028	-	1,028	1,028	-	-	
Kings River	Large Hydro	CA				254	261	-	261	261	-	-	
Pitt 1	Large Hydro	CA				265	1,022	-	1,022	1,022	-	-	
Pitt 3	Large Hydro	CA				266	1,387	-	1,387	1,387	-	-	
Pitt 4	Large Hydro	CA				267	1,504	-	1,504	1,504	-	-	
Pitt 5	Large Hydro	CA				268	3,487	-	3,487	3,487	-	-	
Pitt 6	Large Hydro	CA				269	1,732	-	1,732	1,732	-	-	
Pitt 7	Large Hydro	CA				270	2,113	-	2,113	2,113	-	-	
Poe	Large Hydro	CA				272	1,788	-	1,788	1,788	-	-	
Rock Creek	Large Hydro	CA				275	1,651	-	1,651	1,651	-	-	
Salt Creek	Large Hydro	CA				279	557	-	557	557	-	-	
Stanislaus	Large Hydro	CA				285	988	-	988	988	-	-	
Tiger Creek	Large Hydro	CA				287	1,115	-	1,115	1,115	-	-	
South Feather Water & Power Agency Forbestow	Large Hydro	CA				417	325	-	325	325	-	-	
Woodleaf	Large Hydro	CA				419	536	-	536	536	-	-	
NID- Chicago Park	Large Hydro	CA				412	516	-	516	516	-	-	
Diablo Canyon Power Plant Unit 1	Nuclear	CA				6099	74,794	-	74,794	74,794	-	-	
Diablo Canyon Power Plant Unit 2	Nuclear	CA				6099	50,580	-	50,580	50,580	-	-	

PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS

Facility Name	Fuel Type	N/A	N/A	N/A	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
										-	#N/A		
										-	#N/A		
										-	#N/A		
										-	#N/A		

END USES OTHER THAN RETAIL SALES	MWh

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
Direct Energy Business, LLC
Standard Product Offer

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	550,410	
Biomass & Biowaste	25,000	
Geothermal	38,843	
Eligible Hydroelectric	-	
Solar	260,971	
Wind	225,596	
Coal	-	
Large Hydroelectric	43,187	
Natural gas	-	
Nuclear	161,898	
Other	-	
Unspecified Power		
Total		100.0%

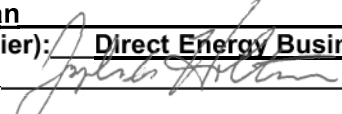
Total Retail Sales (MWh)	
GHG Emissions Intensity (converted to lbs CO₂e/MWh)	729
Percentage of Retail Sales Covered by Retired Unbundled RECs	

**2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM
For the Year Ending December 31, 2021
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO NAME)**

I, (print name) Joseph A. Holtman,
(title) Vice President, Trading, 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 (print name of company) 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. Holtman

Representing (Retail Supplier): Direct Energy Business, LLC

Signature: 

Dated: 6/1/2022

Executed at: 804 Carnegie Center, Princeton, NJ 08857