

DOCKETED

Docket Number:	22-PSDP-01
Project Title:	Power Source Disclosure Program - 2021 Reporting
TN #:	243370
Document Title:	2021 Power Source Disclosure Annual Report of Direct Energy Business, LLC public version
Description:	The 2021 Power Source Disclosure Filing of Direct Energy Business, LLC redacted to remove confidential information
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	
Direct Energy Business, LLC General Offer	
CONTACT INFORMATION	
NAME	Barbara Farmer
TITLE	Regulatory Reporting Analyst
MAILING ADDRESS	910 Louisiana Street, Suite B200
CITY, STATE, ZIP	Houston, TX 77002
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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
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 Busines, LLC
Signature: 
Dated: 6/1/2022
Executed at: 804 Carnegie Center, Princeton, NJ 08857

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, firm-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 firm-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.

**2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2021
(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 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)	0.3118

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	W7283	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	W1097	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	62460A		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	6008	821	-	821	821	-	-	Yes
American Falls Solar II, LLC - American Falls Solar	Solar	ID	W5375	63450A	60012	55282	1,235	-	1,235	1,235	0.3949	488	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	6008	794	-	794	794	-	-	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	55282	1,404	-	1,404	1,404	0.3949	554	Yes
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	58557	123	-	123	123	0.3764	46	Yes
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	3887	1,529	-	1,529	1,529	-	-	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	6206	4,088	-	4,088	4,088	-	-	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	6424	3,060	-	3,060	3,060	-	-	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	BCH	8,730	-	8,730	8,730	#N/A	-	No
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A	P149	BPA	8,870	-	8,870	8,870	0.0211	187	No
Clear Water Paper Corporation -#4 turbine genera	Biomass & biowa	ID	W129	60533A	50637	unspecified	13,813	-	13,813	13,813	#N/A	-	No
Dokie Wind -Dokie Wind	Wind	BC	W1992	61360A	P150	BPA	1,863	-	1,863	1,863	0.0211	39	No
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	6008	139	-	139	139	-	-	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	8223	2,200	-	2,200	2,200	1.0275	2,260	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	50865	424	-	424	424	0.3736	158	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	55282	9,365	-	9,365	9,365	0.3949	3,698	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	55372	160	-	160	160	#N/A	-	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	58557	16,403	-	16,403	16,403	0.3764	6,174	Yes

Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	59784	5,599		5,599	5,599	0.4009	2,245	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	60768	6,406		6,406	6,406	0.3930	2,517	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	unspecified	400		400	400	#N/A		Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	6008	2,646	-	2,646	2,646	-	-	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	8223	550		550	550	1.0275	565	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	55282	509		509	509	0.3949	201	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	59784	1,575		1,575	1,575	0.4009	631	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068	60768	1,299		1,299	1,299	0.3930	510	Yes
Grandview 5 West - Grandview 5 West	Solar	ID	W5069	61595A	60068	6008	719	-	719	719	-	-	Yes
Grandview 5 West - Grandview 5 West	Solar	ID	W5069	61595A	60068	55282	1,149		1,149	1,149	0.3949	454	Yes
Grandview 5 West - Grandview 5 West	Solar	ID	W5069	61595A	60068	unspecified	400		400	400	#N/A		Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	6008	438	-	438	438	-	-	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	55282	1,656		1,656	1,656	0.3949	654	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	59784	119		119	119	0.4009	48	Yes
ID Solar 1- ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	60768	80		80	80	0.3930	31	Yes
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A	P151	3887	904	-	904	904	-	-	No
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A	P151	BCH	29,049		29,049	29,049	#N/A		No
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A	P152	3887	885	-	885	885	-	-	No
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A	P152	BCH	3,688		3,688	3,688	#N/A		No
Murphy Flat - Murphy Flat Power, LLC	Solar	ID	W5395	63449A	60009	55282	1,230	-	1,230	1,230	0.3949	486	Yes
Murphy Flat - Murphy Flat Power, LLC	Solar	ID	W5395	63449A	60009	60768	1,185		1,185	1,185	0.3930	466	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	6008	17,864	-	17,864	17,864	-	-	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	55282	1,502		1,502	1,502	0.3949	593	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	55455	3,200		3,200	3,200	0.3861	1,236	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	58557	16,277		16,277	16,277	0.3764	6,127	Yes
Orchard Ranch Solar, LLC- Orchard Ranch Solar,	Solar	ID	W5373	63448A	60010	55282	1,153	-	1,153	1,153	0.3949	455	Yes
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	3887	155	-	155	155	-	-	No
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	6206	2,382		2,382	2,382	-	-	No
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A	P153	BCH	3,237		3,237	3,237	#N/A		No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	6206	600	-	600	600	-	-	No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	BCH	20,267		20,267	20,267	#N/A		No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	BPA	4,133		4,133	4,133	0.0211	87	No
Seneca Sustainable Energy	Biomass & biowa	OR	W2045	61090A	57457	unspecified	3,495	-	3,495	3,495	#N/A		No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	3887	1,883	-	1,883	1,883	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	6206	1,630		1,630	1,630	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	6424	53		53	53	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind Fa	Wind	BC	W5500	64041A	P160	BCH	2,994		2,994	2,994	#N/A		No
Simcoe Solar, LLC - Simcoe Solar, LLC	Solar	ID	W5372	73447A	60748	55282	1,247	-	1,247	1,247	0.3949	492	Yes
WestRock CP, LLC - Tacoma Mill	Biomass & biowa	WA	W1228	60697A	57099	unspecified	7,692	-	7,692	7,692	#N/A		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	-	-	

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
Direct Energy Business, LLC
General 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	550,810	
Biomass & Biowaste	25,000	
Geothermal	38,843	
Eligible Hydroelectric	-	
Solar	261,371	
Wind	225,596	
Coal	-	
Large Hydroelectric	39,119	
Natural gas	-	
Nuclear	161,880	
Other	-	
Unspecified Power		
Total		100.0%

Total Retail Sales (MWh)

GHG Emissions Intensity (converted to lbs CO₂e/MWh)

687

Percentage of Retail Sales Covered by Retired Unbundled RECs