DOCKETED	
Docket Number:	22-PSDP-01
Project Title:	Power Source Disclosure Program - 2021 Reporting
TN #:	244126
Document Title:	REVISED 2021 Power Source Disclosure Annual Report of Direct Energy Business, LLC public version
Description:	REVISED CEC Annual Power Source Disclosure Filing of Direct Energy Business, LLC
Filer:	Barbara S. Farmer
Organization:	Direct Energy Business, LLC
Submitter Role:	Applicant
Submission Date:	7/20/2022 9:03:10 AM
Docketed Date:	7/20/2022

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 ATTESTATION FORM

For the Year Ending December 31, 2021 Direct Energy Business, LLC Standard Product Offer

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) <u>Direct Energy Business, LLC,</u> 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: pylolo Holtma
Dated:
Executed at:

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.

<u>Specified Purchases</u>: 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.

<u>Unspecified Power</u>: 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.

0.3263

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

DIRECTLY DELIVERED RENEWABLES

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 CO₂e/MWh)

					ווט	RECILT DEL	IVERED RENEWA	DLEO					
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 CO₂e/MWh)	GHG Emissions (in MT CO₂e)	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		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 Sola	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	ВС	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													
							ID-SHAPED IMPOR	13					
					EIA ID of	EIA ID of		13			GHG Emissions		Eligible for
- w. v.	Evel Toma	State or	WDF010 ID	DD0 ID	REC	EIA ID of Substitute	Gross MWh		Net MWh	Adjusted Net MWh	Factor (in MT	GHG Emissions	Grandfathered
Facility Name	Fuel Type	State or Province	WREGIS ID		REC Source	EIA ID of Substitute Power	Gross MWh Procured	MWh Resold	Procured	Procured		GHG Emissions (in MT CO₂e)	Grandfathered Emissions?
American Falls Solar II, LLC - American Falls Solar	Solar	Province ID	W5375	63450A	REC Source 60012	EIA ID of Substitute Power 6008	Gross MWh Procured 821		Procured 821	Procured 821	Factor (in MT CO₂e/MWh)	(in MT CO ₂ e)	Grandfathered Emissions? Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar	Solar Solar		W5375 W5375	63450A 63450A	REC Source 60012 60012	EIA ID of Substitute Power 6008 55282	Gross MWh Procured 821 1,235		Procured 821 1,235	Procured 821 1,235	Factor (in MT		Grandfathered Emissions? Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar,	Solar Solar Solar	Province ID ID ID	W5375 W5375 W5376	63450A 63450A 63451A	REC Source 60012 60012 60011	EIA ID of Substitute Power 6008 55282 6008	Gross MWh Procured 821 1,235 794		821 1,235 794	Procured 821 1,235 794	Factor (in MT CO₂e/MWh) - 0.3949	(in MT CO ₂ e) - 488 -	Grandfathered Emissions? Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar,	Solar Solar Solar Solar	Province ID ID ID ID	W5375 W5375 W5376 W5376	63450A 63450A 63451A 63451A	REC Source 60012 60012 60011	EIA ID of Substitute Power 6008 55282 6008 55282	Gross MWh Procured 821 1,235 794 1,404		821 1,235 794 1,404	Procured 821 1,235 794 1,404	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949	(in MT CO ₂ e) - 488 - 554	Grandfathered Emissions? Yes Yes Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar,	Solar Solar Solar Solar Solar	Province ID ID ID ID ID	W5375 W5375 W5376 W5376 W5376	63450A 63450A 63451A 63451A	REC Source 60012 60012 60011 60011	EIA ID of Substitute Power 6008 55282 6008 55282 58557	Gross MWh Procured 821 1,235 794 1,404 123		821 1,235 794 1,404	821 1,235 794 1,404 123	Factor (in MT CO₂e/MWh) - 0.3949	(in MT CO ₂ e) - 488 -	Grandfathered Emissions? Yes Yes Yes Yes Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind	Solar Solar Solar Solar Solar Wind	Province ID ID ID ID ID ID BC	W5375 W5375 W5376 W5376 W5376 W3959	63450A 63450A 63451A 63451A 63451A 60600A	REC Source 60012 60012 60011 60011 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887	Gross MWh Procured 821 1,235 794 1,404 123 1,529		821 1,235 794 1,404 123 1,529	Procured 821 1,235 794 1,404 123 1,529	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949	(in MT CO ₂ e) - 488 - 554 46	Grandfathered Emissions? Yes Yes Yes Yes Yes Yes No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Cape Scott Wind - Cape Scott Wind	Solar Solar Solar Solar Solar Wind	Province ID ID ID ID ID BC BC	W5375 W5375 W5376 W5376 W5376 W3959 W3959	63450A 63450A 63451A 63451A 63451A 60600A	REC Source 60012 60011 60011 60011 P149 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088	MWh Resold - -	821 1,235 794 1,404 123 1,529 4,088	821 1,235 794 1,404 123 1,529 4,088	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949	(in MT CO ₂ e) - 488 - 554	Grandfathered Emissions? Yes Yes Yes Yes Yes No No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Cape Scott Wind - Cape Scott Wind Cape Scott Wind - Cape Scott Wind	Solar Solar Solar Solar Solar Wind Wind	Province ID ID ID ID ID BC BC BC	W5375 W5375 W5376 W5376 W5376 W3959 W3959	63450A 63450A 63451A 63451A 63451A 60600A 60600A	REC Source 60012 60011 60011 60011 P149 P149 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060	MWh Resold - -	821 1,235 794 1,404 123 1,529 4,088 3,060	821 1,235 794 1,404 123 1,529 4,088 3,060	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764	(in MT CO ₂ e) - 488 - 554 46	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind	Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730	MWh Resold - -	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764 0.4280	(in MT CO ₂ e) - 488 - 554 46 3,736	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind	Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764 0.4280 0.0211	(in MT CO ₂ e) - 488 - 554 46 3,736 187	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind - Cape Scott Wind Cape Scott Wind - Cape Scot	Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Biomass & biowa	Province ID ID ID ID ID BC BC BC BC BC ID	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959 W3959	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60600A 60600A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 P149	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813	MWh Resold - -	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3764 0.4280 0.0211 0.4280	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912	Grandfathered Emissions? Yes Yes Yes Yes Yes No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine general Dokie Wind - Dokie Wind	Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC BC BC BC BC	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959 W129 W1992	63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60600A 60533A 61360A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 P150	FIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764 0.4280 0.0211	(in MT CO ₂ e) - 488 - 554 46 3,736 187	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No No No No N
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine generation - Dokie Wind - Dokie Wind Farm - Elkhorn Valley Wind Farm - Elkhorn - Valley Wind Farm - Elkhorn - Valley Wind Farm - Valley Wind Farm - Valley Wind Farm - Valley Wind Farm - Valley Wind - Valley Wind Farm - Valley Wind Farm - Valley Wind Farm - Valley	Solar Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC BC C BC C	W5375 W5376 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959 W129 W1992 W186	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60600A 60533A 61360A 61034A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 P150 50637	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3764 0.4280 0.0211 0.4280 0.0211 -	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912 39 -	Grandfathered Emissions? Yes Yes Yes Yes Yes No
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine general Dokie Wind -Dokie Wind Farm - Elkhorn Valley	Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC BC OR	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959 W129 W129 W1992 W186 W186	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60600A 60533A 61360A 61034A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 50637 P150 56623 56623	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA 6008 8223	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3764 0.4280 0.0211 0.4280 0.0211 - 1.0275	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912 39 - 2,260	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No No No No Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine general Dokie Wind -Dokie Wind Elkhorn Valley Wind Farm - Elkhorn Valley Wind Falkhorn Valley Wind Farm - Elkhorn Valley Wind Farm - E	Solar Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC BC COR OR	W5375 W5375 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W129 W129 W1992 W186 W186	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60533A 61360A 61034A 61034A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 P150 56623 56623 56623	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA 6008 8223 50865	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764 0.4280 0.0211 0.4280 0.0211 - 1.0275 0.3736	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912 39 - 2,260 158	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No No No Yes Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine general Dokie Wind -Dokie Wind Elkhorn Valley Wind Farm - Elkhorn Valley Wind Fa	Solar Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC OR OR OR	W5375 W5376 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W3959 W129 W129 W1992 W186 W186 W186	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60600A 60533A 61360A 61034A 61034A 61034A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 50637 P150 56623 56623 56623 56623	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA 6008 8223 50865 55282	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424 9,365	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 1,963 2,200 424 9,365	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424 9,365	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3764 0.4280 0.0211 0.4280 0.0211 - 1.0275 0.3736 0.3949	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912 39 - 2,260 158 3,698	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No No No Yes Yes Yes Yes Yes
American Falls Solar II, LLC - American Falls Solar American Falls Solar II, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, American Falls Solar, LLC - American Falls Solar, Cape Scott Wind - Cape Scott Wind Clear Water Paper Corporation -#4 turbine general Dokie Wind -Dokie Wind Elkhorn Valley Wind Farm - Elkhorn Valley Wind Falkhorn Valley Wind Farm - Elkhorn Valley Wind Farm - E	Solar Solar Solar Solar Solar Solar Wind Wind Wind Wind Wind Wind Wind Wind	Province ID ID ID ID ID BC BC BC BC BC BC COR OR	W5375 W5376 W5376 W5376 W5376 W3959 W3959 W3959 W3959 W129 W129 W1992 W186 W186 W186 W186 W186	63450A 63450A 63451A 63451A 63451A 60600A 60600A 60600A 60600A 60533A 61360A 61034A 61034A	REC Source 60012 60011 60011 60011 P149 P149 P149 P149 P149 P149 50637 P150 56623 56623 56623 56623	EIA ID of Substitute Power 6008 55282 6008 55282 58557 3887 6206 6424 Unspecified BPA Unspecified BPA 6008 8223 50865	Gross MWh Procured 821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	MWh Resold	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	821 1,235 794 1,404 123 1,529 4,088 3,060 8,730 8,870 13,813 1,863 139 2,200 424	Factor (in MT CO ₂ e/MWh) - 0.3949 - 0.3949 0.3764 0.4280 0.0211 0.4280 0.0211 - 1.0275 0.3736	(in MT CO ₂ e) - 488 - 554 46 3,736 187 5,912 39 - 2,260 158	Grandfathered Emissions? Yes Yes Yes Yes Yes No No No No No No No No Yes Yes Yes Yes

	diar.	lop	144400	1040044	50000	50704	5 500		5 500	5 500	2 4000	0.045	.,
Elkhorn Valley Wind Farm - Elkhorn Valley Wind		OR	W186	61034A	56623		5,599		5,599	5,599	0.4009	2,245	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind	+	OR	W186	61034A	56623		6,406		6,406	6,406	0.3930	2,517	Yes
Elkhorn Valley Wind Farm - Elkhorn Valley Wind	<u> </u>	OR	W186	61034A		Unspecified	400		400	400	0.4280	171	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068		2,646	-	2,646	2,646	-	-	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068		550		550	550	1.0275	565	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068		509		509	509	0.3949	201	Yes
Grandview 2 West - Grandview 2 West	Solar	ID	W5070	61595A	60068		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 EAST - Grandview 5 EAST	Solar	ID	W5069	61595A	60068	6008	719	-	719	719	-	-	Yes
Grandview 5 EAST - Grandview 5 EAST	Solar	ID	W5069	61595A	60068	55282	1,149		1,149	1,149	0.3949	454	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	ВС	W5189	63268A	P151	Unspecified	29,049		29,049	29,049	0.4280	12,433	No
Moose Lake Wind - Moose Lake Wind	Wind	ВС	W7518	64287A	P152	3887	885	-	885	885	-	-	No
Moose Lake Wind - Moose Lake Wind	Wind	ВС	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	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 Geo	t Geothermal	OR	W3155	62427A	58022	6008	17,864	-	17,864	17,864	-	-	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geo	t Geothermal	OR	W3155	62427A	58022	55282	1,502		1,502	1,502	0.3949	593	Yes
Neal Hot Springs Unit #1- Neals Hot Springs Geo	t 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 Geo	t 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	ВС	W5499	64015A	P153	3887	155	-	155	155	-	-	No
Pennask Wind Farm - Pennask Wind Farm	Wind	ВС	W5499	64015A	P153	6206	2,382		2,382	2,382	-	-	No
Pennask Wind Farm - Pennask Wind Farm	Wind	ВС	W5499	64015A	P153	Unspecified	3,237		3,237	3,237	0.4280	1,385	No
Quality Wind - Quality Wind	Wind	BC	W3160	62447A	P154	6206	600	-	600	600	-	-	No
Quality Wind - Quality Wind	Wind	ВС	W3160	62447A	P154	Unspecified	20,267		20,267	20,267	0.4280	8,674	No
Quality Wind - Quality Wind	Wind	ВС	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	0.4280	1,496	No
Shinish Creek Wind Farm -Shinish Creek Wind F	aWind	ВС	W5500	64041A	P160	3887	1,883	-	1,883	1,883	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind F	aWind	ВС	W5500	64041A	P160	6206	1,630		1,630	1,630	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind F	aWind	ВС	W5500	64041A	P160	6424	53		53	53	-	-	No
Shinish Creek Wind Farm -Shinish Creek Wind F	aWind	ВС	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	 	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	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 CO₂e/MWh)	GHG Emissions (in MT CO₂e)	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	-	•	

					1						
	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	2,408	-	2,408	2,408	-	•	
Pitt 3	Large Hydro	CA		266	1,504	-	1,504	1,504	-	•	
Pitt 4	Large Hydro	CA		267	1,721	-	1,721	1,721	-	•	
Pitt 5	Large Hydro	CA		268	2,633	-	2,633	2,633	-	•	
Pitt 6	Large Hydro	CA		269	2,058	-	2,058	2,058	-	•	
Pitt 7	Large Hydro	CA		270	929	-	929	929	-	•	
Poe	Large Hydro	CA		272	978	-	978	978	-	•	
Rock Creek	Large Hydro	CA		275	858	-	858	858	-	•	
Salt Creek	Large Hydro	CA		279	166	-	166	166	-	•	
Stanislaus	Large Hydro	CA		285	253	-	253	253		-	
Tiger Creek	Large Hydro	CA		287	9	-	9	9	-	•	
South Feather Water & Power Agency Forbestow	Large Hydro	CA		417	325	-	325	325		-	
Woodleaf	Large Hydro	CA		419	295	-	295	295	-	•	
NID- Chicago Park	Large Hydro	CA		412	516	-	516	516		-	
Diablo Canyon Power Plant Unit 1	Nuclear	CA		6099	74,784	-	74,784	74,784		-	
Diablo Canyon Power Plant Unit 2	Nuclear	CA		6099	50,572	-	50,572	50,572	-	-	
			PROCUREME	NTS FROM A	SSET-CONTROLI	ING SUPPLIE	RS				

GHG Emissions Factor (in MT CO₂e/MWh) Gross MWh Procured Net MWh Procured Adjusted Net MWh Procured GHG Emissions (in MT CO₂e) Facility Name Fuel Type N/A N/A N/A N/A EIA ID MWh Resold N/A #N/A #N/A #N/A #N/A

END USES OTHER THAN RETAIL SALES	MWh

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT SCHEDULE 2: RETIRED UNBUNDLED RECS For the Year Ending December 31, 2021 Direct Energy Business, LLC

INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. 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.

		Total Retired Un	bundled RECs				
RETIRED UNBUNDLED RECS							
Facility Name	Fuel Type	State or Province	RPS ID	Total Retired (in MWh)			
Three Peaks - Three Peaks	Solar	UT	63608A	155,000			
Grandview 5 East	Solar	ID	61595A	400			

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	39,119						
Natural gas	-						
Nuclear	161,880						
Other	-						
Unspecified Power							
Total		100.0%					
Total Retail Sales (MWh)							
GHG Emissions Intensity (converted to lbs CO ₂ e/MWh)							
Percentage of Retail Sales Covered RECs							