

DOCKETED

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2022 POWER SOURCE DISCLOSURE ANNUAL REPORT For the Year Ending December 31, 2022

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
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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 Commission'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.

2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2022
(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)	0.2467

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 II	Wind	CA	W1841	60795A		57282	8000		8,000	8,000	-	-	
Alta Wind IV	Wind	CA	W2013	61093A		57293	12,000		12,000	12,000	-	-	
Pinyon Pines Wind II	Wind	CA	W2904	61808A		57837	20,000	20,000	-	-	-	-	
Alta Wind VIII	Wind	CA	W2483	61288A		57835	30,000		30,000	30,000	-	-	
Arlington Valley Solar Energy II - Phase 3	Solar	CA	W3544	60865A		57680	14,947		14,947	14,947	-	-	
Arlington Valley Solar Energy II - Phase 4	Solar	CA	W3545	60865A		57680	10,053		10,053	10,053	-	-	
Blythe Solar III, LLC	Solar	CA	W10157	63130A		60094	15,000		15,000	15,000	-	-	
Borden Solar Farm	Solar	CA	W10139	61829A		59531	3,000		3,000	3,000	-	-	
Cape Scott Wind	Wind	CA	W3959	60600A		P149	5,881		5,881	5,881	-	-	
Cape Scott Wind	Wind	CA	W3959	60600A		P149	746		746	746	-	-	
Clines Corners Wind Farm LLC	Wind	CA	W12057	64716A		64054	677		677	677	-	-	
Clines Corners Wind Farm LLC - Clines Corners B	Wind	CA	W12058	64716A		64054	34,323		34,323	34,323	-	-	
Colgreen North Shore	Solar	CA	W7283	61666A		60825	161,422	50,000	111,422	111,422	-	-	
Copper Mountain Solar 4, LLC	Solar	CA	W5023	62862A		59814	20,000	100	19,900	19,900	-	-	
Dillon Wind LLC	Wind	CA	W728	60542A		56791	7,000		7,000	7,000	-	-	
Dokie Wind	Wind	CA	W1992	61360A		P150	11,005		11,005	11,005	-	-	
Dokie Wind	Wind	CA	W1992	61360A		P150	1,216		1,216	1,216	-	-	
EDF Renewable Wind Farm V, LaBrisa Wind Project	Wind	CA	W732	64042A		54453	6,058		6,058	6,058	-	-	
ESJ Wind - Energia Sierra Juarez Wind Energy - Block#2-4	Wind	CA	W4620	60519A		P205	17,329		17,329	17,329	-	-	
ESJ Wind - Energia Sierra Juarez Wind Energy - Block# 5	Wind	CA	W4627	60519A		P205	2,653		2,653	2,653	-	-	
ESJ Wind - Energia Sierra Juarez Wind Energy - Block# 6	Wind	CA	W4673	60519A		P205	5,018		5,018	5,018	-	-	
Maverick Solar, LLC - Maverick Solar, LLC	Solar	CA	W10973	63321A		62178	3,000		3,000	3,000	-	-	
Mesquite Solar 2, LLC - Mesquite Solar 2, LLC	Solar	CA	W5299	62864A		60307	10,000		10,000	10,000	-	-	
Monterey Regional Waste Management District - MRWMD U1C06	Biomass & biogas	CA	W540	60107A		10748	1,391		1,391	1,391	0.0027	4	
Monterey Regional Waste Management District - MRWMD U2J02	Biomass & biogas	CA	W770	60107A		10748	1,442		1,442	1,442	0.0027	4	
Monterey Regional Waste Management District - MRWMD U3J98	Biomass & biogas	CA	W771	60107A		10748	1,077		1,077	1,077	0.0027	3	
Monterey Regional Waste Management District - MRWMD U4J09	Biomass & biogas	CA	W541	60107A		10748	1,240		1,240	1,240	0.0027	3	
Mount Signal Solar Farm II - Mount Signal Solar Farm II	Solar	CA	W7762	61648A		61353	26,500	15,264	11,236	11,236	-	-	
Mountain View Power Partners IV - Mountain View IV	Wind	CA	W2519	60487A		57459	18,500	8,500	10,000	10,000	-	-	
Quality Wind - Quality Wind	Wind	CA	W3160	62247A		P154	13,114		13,114	13,114	-	-	
Quality Wind - Quality Wind	Wind	CA	W3160	62247A		P154	538		538	538	-	-	
Rio Bravo Fresno - Rio Bravo Fresno	Biomass & biogas	CA	W648	60084A		10767	26,202		26,202	26,202	0.0555	1,454	
Rising Tree Wind Farm III LLC - Rising Tree Wind Farm III LLC	Wind	CA	W4612	62469A		59236	15,000		15,000	15,000	-	-	
Snow Mtn Hydro (Burney) - Burney Creek	Eligible hydro	CA	W673	60177A		10706	69		69	69	-	-	
Snow Mtn. Hydro - Lost Creek 1	Eligible hydro	CA	W670	60179A		10708	1,153		1,153	1,153	-	-	
Snow Mtn. Hydro - Lost Creek 2	Eligible hydro	CA	W671	60180A		10708	524		524	524	-	-	
SE Athos I - SE Athos I, LLC	Solar	CA	W12610	63755A		64290	489,878		489,878	489,878	-	-	
Tecolote Wind - Tecolote Wind LLC	Wind	CA	W12059	64729A		64066	30,000		30,000	30,000	-	-	
Valentine Solar, LLC - Valentine Solar, LLC	Solar	CA	W8806	63026A		62288	7,000		7,000	7,000	-	-	
Voyager Wind I - Voyager Wind I	Wind	CA	W8807	63262A		60594	10,000		10,000	10,000	-	-	
Harvest Wind - Harvest Wind	Wind	CA	W1306	60857A		57152	33,259		33,259	33,259	-	-	
Klondike Wind Power III	Wind	CA	W237	60602A		56468	16,741		16,741	16,741	-	-	
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?
Dokie Wind	Wind	BC	W1992	61360A	P150	P210	8,829		8,829	8,829	-	-	No
Dokie Wind	Wind	BC	W1992	61360A	P150	P206	13,433		13,433	13,433	-	-	No

Cape Scott Wind	Wind	BC	W3959	60600A	P149	6200	9		9	9	-	-	No
Cape Scott Wind	Wind	BC	W3959	60600A	P149	3883	1,081		1,081	1,081	-	-	No
Cape Scott Wind	Wind	BC	W3959	60600A	P149	P210	8,772		8,772	8,772	-	-	No
Cape Scott Wind	Wind	BC	W3959	60600A	P149	P206	1,694		1,694	1,694	-	-	No
Cape Scott Wind	Wind	BC	W3959	60600A	P149	Tacoma Pov	3,600		3,600	3,600	0.0203	73	No
Meikle Wind	Wind	BC	W5189	63268A	P151	P210	10,738		27,144	27,144	-	-	No
Meikle Wind	Wind	BC	W5189	63268A	P151	P206	16,406		16,406	16,406	-	-	No
Moose Lake Wind	Wind	BC	W7518	64287A	P152	P210	1,669		1,669	1,669	-	-	No
Moose Lake Wind	Wind	BC	W7518	64287A	P152	P206	2,825		2,825	2,825	-	-	No
Pennaskk Wind Farm	Wind	BC	W5499	64015A	P153	P210	671		671	671	-	-	No
Pennaskk Wind Farm	Wind	BC	W5499	64015A	P153	P206	1,323		1,323	1,323	-	-	No
Shinish Creek Wind	Wind	BC	W5500	64041A	P160	6200	581		581	581	-	-	No
Shinish Creek Wind	Wind	BC	W5500	64041A	P160	3883	1,084		1,084	1,084	-	-	No
Shinish Creek Wind	Wind	BC	W5500	64041A	P160	P210	355		355	355	-	-	No
Shinish Creek Wind	Wind	BC	W5500	64041A	P160	P206	3		3	3	-	-	No
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152	59784	1,400		1,400	1,400	0.3979	557	No
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152	60768	3,035		3,035	3,035	0.3785	1,149	No
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152	55177	800		800	800	0.4111	329	No
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152	50865	127		127	127	0.3969	50	No
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152	55282	5,222		5,222	5,222	0.3978	2,077	No
Clearwater Paper Corporation - #4 turbine generator	Biomass & biogas	ID	W129	60533A	50637	59784	400		400	400	0.3979	159	No
Clearwater Paper Corporation - #4 turbine generator	Biomass & biogas	ID	W129	60533A	50637	55124	50		50	50	0.3900	20	No
Clearwater Paper Corporation - #4 turbine generator	Biomass & biogas	ID	W129	60533A	50637	55177	1,154		1,154	1,154	0.4111	474	No
Clearwater Paper Corporation - #4 turbine generator	Biomass & biogas	ID	W129	60533A	50637	50865	1,811		1,811	1,811	0.3969	719	No
Clearwater Paper Corporation - #4 turbine generator	Biomass & biogas	ID	W129	60533A	50637	55282	324		324	324	0.3978	129	No
Clearwater Paper Corporation - #3 turbine generator	Biomass & biogas	ID	W128	60533A	50637	59784	400		400	400	0.3979	159	No
Clearwater Paper Corporation - #3 turbine generator	Biomass & biogas	ID	W128	60533A	50637	60768	1,800		1,800	1,800	0.3785	681	No
Clearwater Paper Corporation - #3 turbine generator	Biomass & biogas	ID	W128	60533A	50637	58557	400		400	400	0.3963	159	No
Clearwater Paper Corporation - #3 turbine generator	Biomass & biogas	ID	W128	60533A	50637	55282	6,971		6,971	6,971	0.3978	2,773	No
Clearwater Paper Corporation - #3 turbine generator	Biomass & biogas	ID	W128	60533A	50637	50865	1,600		1,600	1,600	0.3969	635	No
WestRock CP, LLC - Tacoma Mill	Biomass & biogas	WA	W1228	60697A	57099	60768	5,517		5,517	5,517	0.3785	2,088	No
WestRock CP, LLC - Tacoma Mill	Biomass & biogas	WA	W1228	60697A	57099	58557	400		400	400	0.3963	159	No
WestRock CP, LLC - Tacoma Mill	Biomass & biogas	WA	W1228	60697A	57099	55177	446		446	446	0.4111	183	No
WestRock CP, LLC - Tacoma Mill	Biomass & biogas	WA	W1228	60697A	57099	50865	1,662		1,662	1,662	0.3969	660	No
WestRock CP, LLC - Tacoma Mill	Biomass & biogas	WA	W1228	60697A	57099	55282	10,565		10,565	10,565	0.3978	4,203	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	60768	1,600		1,600	1,600	0.3785	606	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	55177	200		200	200	0.4111	82	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	55282	2,487		2,487	2,487	0.3978	989	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	7999	50		50	50	0.4153	21	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	50865	300		300	300	0.3969	119	No
Klondike III - Klondike Wind Power III LLC	Wind	OR	W237	60602A	56468	55129	45		45	45	0.4201	19	No
Kittitas Valley Wind Farm - Sagebrush Power Partners, LLC	Wind	WA	W1876	60939A	56858	55282	956		956	956	0.3978	380	No
Monroe Street HED - Monroe Street HED	Eligible hydro	WA	W218	60496A	9095	55282	102		102	102	0.3978	41	No
Post Falls HED - Post Falls HED	Eligible hydro	ID	W220	60498A	835	55282	48		48	48	0.3978	19	No
Nine Mile HED - Nine Mile HED	Eligible hydro	WA	W216	60497A	3869	55282	128		128	128	0.3978	51	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
Balch #1 PH	Large hydro	CA				217	753		753	753	-	-	
Balch #2 PH	Large hydro	CA				218	2,646		2,646	2,646	-	-	
Belden	Large hydro	CA				219	2,050		2,050	2,050	-	-	
Bucks Creek	Large hydro	CA				220	791		791	791	-	-	
Butt Valley	Large hydro	CA				221	876		876	876	-	-	
Caribou 1	Large hydro	CA				222	674		674	674	-	-	
Caribou 2	Large hydro	CA				223	3,330		3,330	3,330	-	-	
Cresta	Large hydro	CA				231	1,811		1,811	1,811	-	-	
Drum #1	Large hydro	CA				235	480		480	480	-	-	
Drum #2	Large hydro	CA				236	3,017		3,017	3,017	-	-	
Electra	Large hydro	CA				239	3,860		3,860	3,860	-	-	
Haas	Large hydro	CA				240	2,036		2,036	2,036	-	-	
James B Black	Large hydro	CA				249	3,704		3,704	3,704	-	-	
Kerckhoff #2 PH	Large hydro	CA				682	3,583		3,583	3,583	-	-	
Kings River	Large hydro	CA				254	883		883	883	-	-	
Pit1	Large hydro	CA				265	1,243		1,243	1,243	-	-	
Pit 3	Large hydro	CA				266	1,294		1,294	1,294	-	-	
Pit 4	Large hydro	CA				267	3,159		3,159	3,159	-	-	
Pit 5	Large hydro	CA				268	5,454		5,454	5,454	-	-	

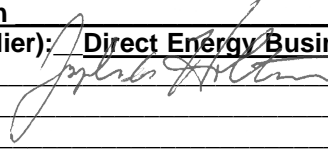
2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2022
Direct Energy Business, LLC
Standard Product Offer

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	1,138,571	
Biomass & Biowaste	64,852	
Geothermal	-	
Eligible Hydroelectric	2,024	
Solar	695,436	
Wind	376,259	
Coal	-	
Large Hydroelectric	95,458	
Natural gas	-	
Nuclear	281,168	
Other	-	
Unspecified Power		
Total		100.0%
Total Retail Sales (MWh)		
GHG Emissions Intensity (converted to lbs CO₂e/MWh)		544
Percentage of Retail Sales Covered by Retired Unbundled RECs		

**2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM
For the Year Ending December 31, 2022
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO NAME)**

I, Joseph Holtman, Vice President of Trading of NRG Energy, Inc., the ultimate parent company of Direct Energy Business, LLC, declare under penalty of perjury, that the information provided in this report is true and correct and that I, as an authorized agent of NRG Energy, inc / Direct Energy Business, LLC, have authority to submit this report on the retail supplier's behalf. I further declare that all of the electricity claimed as specified purchases as shown in this report was sold once and only once to retail customers.

Name: Joseph A. Holtman
Representing (Retail Supplier): Direct Energy Business, LLC
Signature: 
Dated: _____
Executed at: _____