

**DOCKETED**

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<b>Project Title:</b>	Power Source Disclosure Program - 2020
<b>TN #:</b>	238056
<b>Document Title:</b>	PSD Report
<b>Description:</b>	PSD Report for Just Energy Solutions with Signatures in PDF format
<b>Filer:</b>	Inger Goodman
<b>Organization:</b>	Just Energy Solutions Inc.
<b>Submitter Role:</b>	Applicant
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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	
	Just Energy Solutions Inc.
ELECTRICITY PORTFOLIO NAME	
	Annual Power Mix
CONTACT INFORMATION	
NAME	Inger Goodman
TITLE	Regulatory Manager
MAILING ADDRESS	5251 Westheimer Road, Suite 1000
CITY, STATE, ZIP	Houston, TX 77056
PHONE	714-425-1063
EMAIL	<a href="mailto:jgoodman@justenergy.com">jgoodman@justenergy.com</a>
WEBSITE URL FOR PCL POSTING	<a href="http://www.justenergy.com">www.justenergy.com</a>

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to [PSDprogram@energy.ca.gov](mailto: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](mailto: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, 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.

**2020 POWER SOURCE DISCLOSURE ANNUAL REPORT**  
**SCHEDULE 1: PROCUREMENTS AND RETAIL SALES**  
**For the Year Ending December 31, 2020**  
**Just Energy Solutions Inc.**  
**Annual Power Mix**

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)	<b>190,157</b>
Net Specified Procurement (MWh)	52,168
Unspecified Power (MWh)	137,989
Procurement to be adjusted	-
Net Specified Natural Gas	-
Net Specified Coal & Other Fossil Fuels	-
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	52,168
GHG Emissions (excludes grandfathered emissions)	59,241
GHG Emissions Intensity (in MT CO <sub>2</sub> e/MWh)	0.3115

**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 <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	N/A
Cape Scott Wind - Cape Scott Wind	Wind	BC	W3959	60600A		P149	8,015	-	8,015	8,015	-	-	
Dokie Wind - Dokie Wind	Wind	BC	W1992	61360A		P150	2,406	-	2,406	2,406	-	-	
Meikle Wind - Meikle Wind	Wind	BC	W5189	63268A		P151	13,019	-	13,019	13,019	-	-	
Moose Lake Wind - Moose Lake Wind	Wind	BC	W7518	64287A		P152	1,655	-	1,655	1,655	-	-	
Pennask Wind Farm - Pennask Wind Farm	Wind	BC	W5499	64015A		P153	1,418	-	1,418	1,418	-	-	
Quality Wind - Quality Wind	Wind	BC	W3160	62247A		P154	3,060	-	3,060	3,060	-	-	
Seneca Sustainable Energy - Seneca Sustainable	Biomass & biowa	OR	W2045	61090A		57457	8,969	-	8,969	8,969	0.0203	182	
Shinish Creek Wind Farm - Shinish Creek Wind Fd	Wind	BC	W5500	64041A		P160	1,458	-	1,458	1,458	-	-	
Buena Vista Energy Windfarm - Buena Vista Ener	Wind	CA	W165	60124A		56446	5,168	-	5,168	5,168	-	-	

**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 <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	Eligible for Grandfathered Emissions?
Dokie Wind - Dokie Wind	Wind	BC	W1992	61360A	P150	NA	5,000	-	5,000	5,000	#N/A		
Seneca Sustainable Energy - Seneca Sustainable	Biomass & biowa	OR	W2045	61090A	57457	NA	2,000	-	2,000	2,000	#N/A		

**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 <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	N/A

**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 <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	N/A

<b>END USES OTHER THAN RETAIL SALES</b>	<b>MWh</b>

**2020 POWER SOURCE DISCLOSURE ANNUAL REPORT**  
**SCHEDULE 2: RETIRED UNBUNDLED RECS**  
**For the Year Ending December 31, 2020**  
**Just Energy Solutions Inc.**  
**Annual Power Mix**

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 Unbundled RECs** 38,785

<b>RETIRED UNBUNDLED RECS</b>				
<b>Facility Name</b>	<b>Fuel Type</b>	<b>State or Province</b>	<b>RPS ID</b>	<b>Total Retired (in MWh)</b>
Mink Creek Hydro - Mink Creek Hydro LLC	Hydro	ID	61425A	2,000
Mink Creek Hydro - Mink Creek Hydro LLC	Hydro	ID	61425A	100
Apache Solar - Apache Solar	Solar	AZ	63454A	2,800
Cabazon Wind Partners - Cabazon Wind Part	Wind	CA	60736A	1
Meikle Wind - Meikle Wind	Wind	BC	63268A	1
Moose Lake Wind - Moose Lake Wind	Wind	BC	64287A	5,035
Top of the World - Top of the World	Wind	WY	61199A	508
Voyager Wind 3 - Voyager Wind 3	Wind	CA	63685A	3,213
Alpine Elementary School South - Keppel US	Solar	CA	NA	69
Saddleback Valley Unified School District - El	Solar	CA	63204A	66
Saddleback Valley Unified School District - El	Solar	CA	63204A	198
Saddleback Valley Unified School District - Tr	Solar	CA	63202A	278
Saddleback Valley Unified School District - Tr	Solar	CA	63202A	444
Saddleback Valley Unified School District - Tr	Solar	CA	63202A	296
Saddleback Valley USD - Laguna Hills High S	Solar	CA	63207A	1,165
Saddleback Valley USD - Mission Viejo High S	Solar	CA	63205A	1,207
Saddleback Valley USD - Mission Viejo High S	Solar	CA	63205A	292
Sulphur Springs Unified School District - Cany	Solar	CA	63249A	363
Sulphur Springs Unified School District - Distr	Solar	CA	63250A	228
Sulphur Springs Unified School District - Fair	Solar	CA	63251A	250
Sulphur Springs Unified School District - Gold	Solar	CA	63252A	280
Sulphur Springs Unified School District - Leon	Solar	CA	63253A	222
Sulphur Springs Unified School District - Mint	Solar	CA	63254A	281
Sulphur Springs Unified School District - Mitch	Solar	CA	63255A	298
Sulphur Springs Unified School District - Pine	Solar	CA	63256A	267
Sulphur Springs Unified School District - Sulp	Solar	CA	63257A	325
Sulphur Springs Unified School District - Valle	Solar	CA	63258A	319
Valle Vista Elementary - Central School Distri	Solar	CA	63099A	109
Wilson ES-San Gabriel Unified School Dist-SG	Solar	CA	63095A	43
Apache Solar - Apache Solar	Solar	AZ	63454A	1
Birch Creek Power - Birch Creek Power	Hydro	ID	61378A	5190
Cedar Creek - Cedar Creek	Wind	CO	60822A	858
Dry Creek Project - Dry Creek Project	Hydro	ID	61381A	4191
Lacomb Irrigation District Hydro Project - Lac	Hydro	OR	61440A	3989
Marsh Valley Project - Marsh Valley Project	Hydro	ID	61380A	3598
Mink Creek Hydro - Mink Creek Hydro LLC	Hydro	ID	61425A	300

**2020 POWER SOURCE DISCLOSURE ANNUAL REPORT**  
**SCHEDULE 3: POWER CONTENT LABEL DATA**  
**For the Year Ending December 31, 2020**  
**Just Energy Solutions Inc.**  
**Annual Power Mix**

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

	<b>Adjusted Net Procured (MWh)</b>	<b>Percent of Total Retail Sales</b>
<b>Renewable Procurements</b>	52,168	27.4%
Biomass & Biowaste	10,969	5.8%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	-	0.0%
Wind	41,199	21.7%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	137,989	72.6%
<b>Total</b>	<b>190,157</b>	<b>100.0%</b>

<b>Total Retail Sales (MWh)</b>	<b>190,157</b>
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<b>GHG Emissions Intensity (converted to lbs CO<sub>2</sub>e/MWh)</b>	<b>687</b>
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<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>	<b>20.4%</b>
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## 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	-

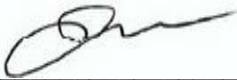
Tacoma Power				
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-
		Coal		-
		Large hydroelectric	0.90	-
		Natural gas		-
		Nuclear	0.06	-
		Other		-
		Unspecified Power	0.04	-

**POWER SOURCE DISCLOSURE ANNUAL REPORT  
ATTESTATION FORM  
for the year ending December 31, 2020  
Just Energy Solutions Inc.  
Annual Power Mix**

I, John Marcinko, EVP of Supply and Load Forecasting, 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 Just Energy Solutions Inc., 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: John Marcinko

Representing (Retail Supplier): Just Energy Solutions Inc.

Signature:  \_\_\_\_\_

Dated: May 27, 2021

Executed at: Missisauga, Ontario