



e-FILING REPORT COVER SHEET

COMPANY NAME: Portland General Electric Company

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type: RE (Electric) RG (Gas) RW (Water) RT (Telecommunications)
 RO (Other, for example, industry safety information)

Did you previously file a similar report? No Yes, report docket number: RE 73

Report is required by: OAR 860-038-0300(10)

Statute

Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other

(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case? No Yes, docket number:

List Key Words for this report. We use these to improve search results.

PGE's Electricity Product Claim Reconciliation Report

Send the completed Cover Sheet and the Report in an email addressed to PUC.FilingCenter@puc.oregon.gov

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



Portland General Electric
121 SW Salmon Street · Portland, Ore. 97204

August 31, 2022

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street, S.E.
P.O. Box 1088
Salem, OR 97308-1088

RE: PGE's 2021 Electricity Product Claim Reconciliation Report

Portland General Electric Company (PGE) hereby submits under RE 73 the annual Product Claim Reconciliation Report for calendar year 2021. It summarizes PGE's purchases and sales of Renewable Energy Certificates (RECs) on behalf of customers that subscribed to PGE's voluntary renewable portfolio programs in 2021. This filing complies with the annual reporting requirement in OAR 860-038-0300(10). PGE reviews methodologies to ensure accuracy and best practices, and our 2021 reporting year methodology has been updated to align with that used by other utilities as follows:

- Revising the Verification of Product Content Labeling section to show the Claimed and Actual Percentage of products' fuel mix based on the product alone, and not an interpretation of if an average customer were to only purchase one block of a specific product. PGE's block products now show as 100% wind or solar, as appropriate.
- Claimed Percentage product mixes reflect the product's Prospective Product Content label, published in the first 60 days of each year, and Actual Percentage product mixes reflect the Historic Product Content label published following the close of the Green-e(R) Energy Audit and reflecting the actual and audited mix delivered in the previous reporting year.
- Revising the Environmental Impact section to report emissions of nitrogen oxides and sulfur dioxide as the product's emissions intensity (lb/MWh) percentage above or below the Northwest Power Pool (NWPP) average emissions intensity. For the one product that has emissions from generation (Green Future Choice, approximately 4% from biomass), PGE estimated biomass emissions intensity based on publicly available power generation and emissions data, as available, and used engineering estimates for the approximately 20% of the biomass-sourced power if emissions data were not available.

If you have any questions about this filing, please contact Casey Manley at casey.manley@pgn.com or Mary Widman at mary.widman@pgn.com

Please direct all formal correspondence and requests to the following email address pge.opuc.filings@pgn.com

Sincerely,

\s\ Robert Macfarlane

Robert Macfarlane
Manager, Pricing & Tariffs
Enclosure

ELECTRICITY PRODUCT CLAIM RECONCILIATION REPORT - Per OAR 860-038-0300 (10)
Electric Company / Electricity Service Supplier Name: Portland General Electric
Reporting Year: 2021

Sale of Block Products

Product Name	Block Size (kWh)	Residential/Small Non-Res Customers Mwh Sold	Large Nonresidential Customers MWh Sold	Total Blocks Sold	New Renewables MWH Sold	Existing Renewables MWH Sold	Total MWH Sold
Green Future Block (Fixed Renewable)	200	19,839	-	99,195.00	19,839	-	19,839
Green Future Solar*		2,811	-		2,811	-	2,811
Green Future Enterprise	1,000	-	729,056	729,056	729,056	-	729,056
Total Block Sales		22,650	729,056	828,251	751,706	-	751,706

* Green Future Solar blocks are sold in 1 KW

Sale of Blended Products

Product Name	% New Renewables in Product	% Existing Renewables in Product	Portfolio Customers MWH Sold	Large Nonresidential Customers MWH Sold	New Renewables MWH Sold	Total MWH Sold
Green Future Choice (Renewable Usage)	100%	0%	2,039,308.00	-	2,039,308	2,039,308
Total Blended Sales			2,039,308	-	2,039,308	2,039,308

Total All Product Sales RY2021 **2,791,014** **-** **2,791,014**

Retired on Behalf of PGE Renewable Development Fund

Product Name	% New Renewables in Product	% Existing Renewables in Product	Portfolio Customers MWH Sold	Large Nonresidential Customers MWH Sold	New Renewables MWH Sold	Total MWH Sold	RECs (MWh) Retired on Behalf of PGE Renewable Development Fund
PGE Renewable Development Fund	-	-	-	-	-	-	-
Total MWh/RECs retired for RY2021							2,791,014

List of New Renewable Purchases and Generation Used to Meet Sales Requirement

Generator Facility Name or Wholesale Supplier	Generator Location (City, State)	Generator Purchased for	Total MWH Purchased or Generated	Net MWH Used to Meet Sales Requirement	Renewable Fuel Type	Date Generated (Month)	Date Generated (Year)	Tradable Renewable Credits?
Bennett Creek Wind Farm	ID	Green Future Block	267	267	Wind	4	2021	Yes
Cassia Gulch Wind Park	ID	Green Future Block	1,752	1,752	Wind	11	2020	Yes
Goodnoe Hills	WA	Green Future Block	1,100	1,100	Wind	10	2020	Yes
Goodnoe Hills	WA	Green Future Block	1,900	1,900	Wind	12	2020	Yes
Horse Butte Wind	ID	Green Future Block	56	56	Wind	8	2020	Yes
Horse Butte Wind	ID	Green Future Block	350	350	Wind	9	2020	Yes
Hot Springs Wind Farm aka Mountain Home Wind Farm	ID	Green Future Block	1,644	1,644	Wind	5	2021	Yes
Marengo	WA	Green Future Block	1,700	1,700	Wind	6	2021	Yes
Marengo	WA	Green Future Block	1,985	1,985	Wind	12	2020	Yes
Marengo II	WA	Green Future Block	1,900	1,900	Wind	11	2020	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Block	980	980	Wind	3	2021	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Block	1,067	1,067	Wind	4	2021	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Block	1,278	1,278	Wind	2	2021	Yes
Rockland Wind Farm LLC	ID	Green Future Block	2,043	2,043	Wind	7	2020	Yes
Spanish Fork	UT	Green Future Block	1,817	1,817	Wind	2	2021	Yes
Anderson Wind II, LLC	NM	Green Future Enterprise	3,778	3,778	Wind	4	2021	Yes
Anderson Wind II, LLC	NM	Green Future Enterprise	4,561	4,561	Wind	5	2021	Yes
Brady Wind II	ND	Green Future Enterprise	47,858	47,858	Wind	8	2020	Yes
Brady Wind II	ND	Green Future Enterprise	63,920	63,920	Wind	10	2020	Yes
Brady Wind II	ND	Green Future Enterprise	38,079	38,079	Wind	7	2020	Yes
Broadview Energy Prime	NM	Green Future Enterprise	643	643	Wind	4	2021	Yes
Broadview Energy Prime	NM	Green Future Enterprise	3,552	3,552	Wind	5	2021	Yes
Broadview Energy Prime II	NM	Green Future Enterprise	4,114	4,114	Wind	3	2021	Yes
Broadview Energy Prime II	NM	Green Future Enterprise	3,528	3,528	Wind	5	2021	Yes
Cassia Gulch Wind Park	ID	Green Future Enterprise	2,500	2,500	Wind	12	2020	Yes
Chopin Wind Farm	OR	Green Future Enterprise	2,531	2,531	Wind	7	2020	Yes

Chopin Wind Farm	OR	Green Future Enterprise	500	500	Wind	9	2020	Yes
Chopin Wind Farm	OR	Green Future Enterprise	1,751	1,751	Wind	8	2020	Yes
Chopin Wind Farm	OR	Green Future Enterprise	218	218	Wind	9	2020	Yes
Elk City Wind	OK	Green Future Enterprise	14,230	14,230	Wind	9	2021	Yes
Elk City Wind	OK	Green Future Enterprise	2,152	2,152	Wind	10	2021	Yes
Goodnoe Hills	WA	Green Future Enterprise	5,000	5,000	Wind	10	2020	Yes
Goodnoe Hills	WA	Green Future Enterprise	5,000	5,000	Wind	12	2020	Yes
Lindahl Wind Project	ND	Green Future Enterprise	61,538	61,538	Wind	9	2020	Yes
Lindahl Wind Project	ND	Green Future Enterprise	45,684	45,684	Wind	8	2020	Yes
Marengo	WA	Green Future Enterprise	10,000	10,000	Wind	2	2021	Yes
Marengo	WA	Green Future Enterprise	9,000	9,000	Wind	11	2020	Yes
Marengo	WA	Green Future Enterprise	8,000	8,000	Wind	12	2020	Yes
Marengo II	WA	Green Future Enterprise	3,000	3,000	Wind	10	2020	Yes
Meadow Creek Project Company LLC - Five Pine Project	ID	Green Future Enterprise	11,298	11,298	Wind	11	2020	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Enterprise	6,477	6,477	Wind	10	2020	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Enterprise	20,407	20,407	Wind	11	2020	Yes
Minco Wind, LLC	OK	Green Future Enterprise	27,587	27,587	Wind	9	2021	Yes
Mountain Air Projects	ID	Green Future Enterprise	19,018	19,018	Wind	7	2021	Yes
Mountain Air Projects	ID	Green Future Enterprise	982	982	Wind	9	2021	Yes
Red Hills Wind Farm	OK	Green Future Enterprise	23,198	23,198	Wind	11	2021	Yes
Red Hills Wind Farm	OK	Green Future Enterprise	3,235	3,235	Wind	10	2021	Yes
Rocky Ridge Wind Project	OK	Green Future Enterprise	53,666	53,666	Wind	10	2021	Yes
Rocky Ridge Wind Project	OK	Green Future Enterprise	55,932	55,932	Wind	11	2021	Yes
Roosevelt Wind Project	NM	Green Future Enterprise	5,147	5,147	Wind	4	2021	Yes
Roosevelt Wind Project	NM	Green Future Enterprise	15,001	15,001	Wind	3	2021	Yes
Sunflower Wind Project	ND	Green Future Enterprise	28,562	28,562	Wind	10	2020	Yes
Sunflower Wind Project	ND	Green Future Enterprise	42,301	42,301	Wind	9	2020	Yes
Sunflower Wind Project	ND	Green Future Enterprise	32,058	32,058	Wind	8	2020	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	8,411	8,411	Wind	1	2021	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	6,792	6,792	Wind	2	2021	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	10,777	10,777	Wind	3	2021	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	6,421	6,421	Wind	4	2021	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	6,627	6,627	Wind	5	2021	Yes
Wildcat Wind Farm	NM	Green Future Enterprise	4,022	4,022	Wind	6	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	35	35	Solar	10	2020	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	8	8	Solar	11	2020	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	51	51	Solar	12	2020	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	66	66	Solar	1	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	140	140	Solar	2	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	313	313	Solar	3	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	412	412	Solar	4	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	435	435	Solar	5	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	443	443	Solar	6	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	477	477	Solar	7	2021	Yes
Steel Bridge Solar	Willamina, OR	Green Future Solar	431	431	Solar	8	2021	Yes
B6 Dairy BioFactory Project	ID	Green Future Choice	394	394	Gaseous Biomass	7	2020	Yes
Bennett Creek Wind Farm	ID	Green Future Choice	437	437	Wind	4	2021	Yes
Bennett Creek Wind Farm	ID	Green Future Choice	2,508	2,508	Wind	4	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	150	150	Wind	4	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	176	176	Wind	2	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	777	777	Wind	5	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	1,087	1,087	Wind	9	2020	Yes
Chopin Wind Farm	OR	Green Future Choice	1,520	1,520	Wind	12	2020	Yes
Chopin Wind Farm	OR	Green Future Choice	2,191	2,191	Wind	6	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	2,324	2,324	Wind	1	2021	Yes
Chopin Wind Farm	OR	Green Future Choice	3,300	3,300	Wind	10	2020	Yes
Chopin Wind Farm	OR	Green Future Choice	3,343	3,343	Wind	11	2020	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	872	872	Gaseous Biomass	9	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,886	1,886	Gaseous Biomass	4	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,628	1,628	Gaseous Biomass	7	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,782	1,782	Gaseous Biomass	10	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,932	1,932	Gaseous Biomass	1	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,676	1,676	Gaseous Biomass	2	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,955	1,955	Gaseous Biomass	3	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,491	1,491	Gaseous Biomass	8	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	689	689	Gaseous Biomass	9	2021	Yes
Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,675	1,675	Gaseous Biomass	11	2021	Yes

Dry Creek Landfill Gas to Energy Project	OR	Green Future Choice	1,718	1,718	Gaseous Biomass	12	2021	Yes
Escalante Solar I	UT	Green Future Choice	8,307	8,307	Solar	1	2021	Yes
Escalante Solar I	UT	Green Future Choice	8,062	8,062	Solar	12	2020	Yes
Escalante Solar I	UT	Green Future Choice	12,249	12,249	Solar	2	2021	Yes
Escalante Solar I	UT	Green Future Choice	17,810	17,810	Solar	3	2021	Yes
Escalante Solar I	UT	Green Future Choice	20,397	20,397	Solar	7	2020	Yes
Escalante Solar II	UT	Green Future Choice	13,420	13,420	Solar	6	2021	Yes
Escalante Solar II	UT	Green Future Choice	7,865	7,865	Solar	6	2021	Yes
Escalante Solar II	UT	Green Future Choice	246	246	Solar	5	2021	Yes
Escalante Solar II	UT	Green Future Choice	81	81	Solar	6	2021	Yes
Escalante Solar II	UT	Green Future Choice	1	1	Solar	6	2021	Yes
Escalante Solar III	UT	Green Future Choice	10,625	10,625	Solar	1	2021	Yes
Escalante Solar III	UT	Green Future Choice	6,765	6,765	Solar	9	2020	Yes
Escalante Solar III	UT	Green Future Choice	18,235	18,235	Solar	8	2020	Yes
Escalante Solar III	UT	Green Future Choice	23,496	23,496	Solar	7	2020	Yes
Escalante Solar III	UT	Green Future Choice	12,113	12,113	Solar	2	2021	Yes
Escalante Solar III	UT	Green Future Choice	17,747	17,747	Solar	3	2021	Yes
Escalante Solar III	UT	Green Future Choice	9,515	9,515	Solar	4	2021	Yes
Escalante Solar III	UT	Green Future Choice	11,689	11,689	Solar	6	2021	Yes
Escalante Solar III	UT	Green Future Choice	6,985	6,985	Solar	5	2021	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,931	1,931	Gaseous Biomass	7	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,662	1,662	Gaseous Biomass	1	2021	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,828	1,828	Gaseous Biomass	8	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,425	1,425	Gaseous Biomass	9	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,469	1,469	Gaseous Biomass	10	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	75	75	Gaseous Biomass	11	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,875	1,875	Gaseous Biomass	12	2020	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,744	1,744	Gaseous Biomass	2	2021	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,763	1,763	Gaseous Biomass	5	2021	Yes
Fighting Creek Landfill Gas Plant	ID	Green Future Choice	1,474	1,474	Gaseous Biomass	6	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,087	2,087	Gaseous Biomass	10	2020	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,142	2,142	Gaseous Biomass	1	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,060	2,060	Gaseous Biomass	11	2020	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	1,965	1,965	Gaseous Biomass	2	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,188	2,188	Gaseous Biomass	3	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,171	2,171	Gaseous Biomass	12	2020	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,110	2,110	Gaseous Biomass	4	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,058	2,058	Gaseous Biomass	5	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	727	727	Gaseous Biomass	6	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	1,363	1,363	Gaseous Biomass	6	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,224	2,224	Gaseous Biomass	8	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,224	2,224	Gaseous Biomass	10	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,174	2,174	Gaseous Biomass	9	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,131	2,131	Gaseous Biomass	7	2021	Yes
Finley Buttes Landfill Gas Power Plant	OR	Green Future Choice	2,227	2,227	Gaseous Biomass	11	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,055	1,055	Gaseous Biomass	4	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,005	1,005	Gaseous Biomass	8	2020	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	412	412	Gaseous Biomass	9	2020	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,044	1,044	Gaseous Biomass	10	2020	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,071	1,071	Gaseous Biomass	1	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	983	983	Gaseous Biomass	2	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,094	1,094	Gaseous Biomass	3	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,030	1,030	Gaseous Biomass	11	2020	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,085	1,085	Gaseous Biomass	12	2020	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,029	1,029	Gaseous Biomass	5	2021	Yes
Finley Buttes Landfill Gas Power Plant II	OR	Green Future Choice	1,045	1,045	Gaseous Biomass	6	2021	Yes
Goodnoe Hills	WA	Green Future Choice	5,000	5,000	Wind	11	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	10,428	10,428	Solar	1	2021	Yes
Granite Mountain Solar East	UT	Green Future Choice	11,761	11,761	Solar	8	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	13,603	13,603	Solar	9	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	17,431	17,431	Solar	10	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	77	77	Solar	11	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	10,817	10,817	Solar	11	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	9,399	9,399	Solar	12	2020	Yes
Granite Mountain Solar East	UT	Green Future Choice	6,565	6,565	Solar	3	2021	Yes
Granite Mountain Solar East	UT	Green Future Choice	13,007	13,007	Solar	2	2021	Yes
Granite Mountain Solar East	UT	Green Future Choice	23,944	23,944	Solar	5	2021	Yes

Granite Mountain Solar East	UT	Green Future Choice	842	842	Solar	4	2021	Yes
Granite Mountain Solar East	UT	Green Future Choice	6,674	6,674	Solar	4	2021	Yes
Granite Mountain Solar West	UT	Green Future Choice	444	444	Solar	1	2021	Yes
Granite Mountain Solar West	UT	Green Future Choice	7,073	7,073	Solar	2	2021	Yes
Granite Mountain Solar West	UT	Green Future Choice	11,072	11,072	Solar	3	2021	Yes
Granite Mountain Solar West	UT	Green Future Choice	4,896	4,896	Solar	5	2021	Yes
Granite Mountain Solar West	UT	Green Future Choice	14,757	14,757	Solar	6	2021	Yes
Head of U Canal Hydo	ID	Green Future Choice	341	341	Hydro	4	2021	Yes
Head of U Canal Hydo	ID	Green Future Choice	882	882	Hydro	7	2020	Yes
Head of U Canal Hydo	ID	Green Future Choice	814	814	Hydro	8	2020	Yes
Head of U Canal Hydo	ID	Green Future Choice	666	666	Hydro	9	2020	Yes
Head of U Canal Hydo	ID	Green Future Choice	260	260	Hydro	10	2020	Yes
Head of U Canal Hydo	ID	Green Future Choice	731	731	Hydro	5	2021	Yes
Head of U Canal Hydo	ID	Green Future Choice	854	854	Hydro	6	2021	Yes
Horse Butte WInd	ID	Green Future Choice	136	136	Wind	7	2020	Yes
Horse Butte WInd	ID	Green Future Choice	162	162	Wind	8	2020	Yes
Horse Butte WInd	ID	Green Future Choice	2,702	2,702	Wind	11	2020	Yes
Hot Springs Wind Farm aka Mountain Home Wind Farm	ID	Green Future Choice	2,492	2,492	Wind	4	2021	Yes
Iron Springs	UT	Green Future Choice	17,694	17,694	Solar	10	2020	Yes
Iron Springs	UT	Green Future Choice	11,649	11,649	Solar	11	2020	Yes
Iron Springs	UT	Green Future Choice	9,958	9,958	Solar	12	2020	Yes
Iron Springs	UT	Green Future Choice	5,125	5,125	Solar	1	2021	Yes
Iron Springs	UT	Green Future Choice	12,915	12,915	Solar	2	2021	Yes
Iron Springs	UT	Green Future Choice	17,677	17,677	Solar	3	2021	Yes
Iron Springs	UT	Green Future Choice	21,499	21,499	Solar	4	2021	Yes
Iron Springs	UT	Green Future Choice	11,050	11,050	Solar	6	2021	Yes
Marengo	WA	Green Future Choice	64	64	Wind	10	2020	Yes
Marengo	WA	Green Future Choice	972	972	Wind	4	2021	Yes
Marengo	WA	Green Future Choice	2,200	2,200	Wind	11	2020	Yes
Marengo	WA	Green Future Choice	2,936	2,936	Wind	10	2020	Yes
Marengo	WA	Green Future Choice	3,000	3,000	Wind	5	2021	Yes
Marengo	WA	Green Future Choice	3,300	3,300	Wind	12	2020	Yes
Marengo	WA	Green Future Choice	3,500	3,500	Wind	3	2021	Yes
Marengo	WA	Green Future Choice	7,200	7,200	Wind	3	2021	Yes
Marengo	WA	Green Future Choice	10,000	10,000	Wind	1	2021	Yes
Marengo II	WA	Green Future Choice	3,000	3,000	Wind	4	2021	Yes
Marengo II	WA	Green Future Choice	5,000	5,000	Wind	12	2020	Yes
Marengo II	WA	Green Future Choice	5,000	5,000	Wind	10	2020	Yes
Marengo II	WA	Green Future Choice	5,000	5,000	Wind	11	2020	Yes
Marengo II	WA	Green Future Choice	5,900	5,900	Wind	12	2020	Yes
Marengo II	WA	Green Future Choice	7,000	7,000	Wind	1	2021	Yes
Marengo II	WA	Green Future Choice	7,000	7,000	Wind	3	2021	Yes
Marengo II	WA	Green Future Choice	9,000	9,000	Wind	2	2021	Yes
MC6 Hydro	ID	Green Future Choice	825	825	Hydro	4	2021	Yes
MC6 Hydro	ID	Green Future Choice	1,310	1,310	Hydro	5	2021	Yes
MC6 Hydro	ID	Green Future Choice	1,066	1,066	Hydro	6	2021	Yes
Meadow Creek Project Company LLC - Five Pine Project	ID	Green Future Choice	5,683	5,683	Wind	12	2020	Yes
Meadow Creek Project Company LLC - Five Pine Project	ID	Green Future Choice	7,122	7,122	Wind	4	2021	Yes
Meadow Creek Project Company LLC - Five Pine Project	ID	Green Future Choice	7,396	7,396	Wind	6	2021	Yes
Meadow Creek Project Company LLC - Five Pine Project	ID	Green Future Choice	7,486	7,486	Wind	5	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	3,099	3,099	Wind	11	2020	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	3,218	3,218	Wind	3	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	7,395	7,395	Wind	1	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	12,928	12,928	Wind	2	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	13,920	13,920	Wind	5	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	14,670	14,670	Wind	4	2021	Yes
Meadow Creek Project Company LLC - North Point Project	ID	Green Future Choice	16,566	16,566	Wind	6	2021	Yes
Midway Power LLC.	ID	Green Future Choice	688	688	Hydro	7	2020	Yes
Midway Power LLC.	ID	Green Future Choice	635	635	Hydro	4	2021	Yes
Midway Power LLC.	ID	Green Future Choice	1,597	1,597	Hydro	8	2020	Yes
Midway Power LLC.	ID	Green Future Choice	1,273	1,273	Hydro	9	2020	Yes
Midway Power LLC.	ID	Green Future Choice	788	788	Hydro	10	2020	Yes
Midway Power LLC.	ID	Green Future Choice	1,420	1,420	Hydro	8	2021	Yes
Midway Power LLC.	ID	Green Future Choice	1,097	1,097	Hydro	9	2021	Yes
Midway Power LLC.	ID	Green Future Choice	4	4	Hydro	10	2021	Yes
Midway Power LLC.	ID	Green Future Choice	1,569	1,569	Hydro	5	2021	Yes
Midway Power LLC.	ID	Green Future Choice	1,632	1,632	Hydro	6	2021	Yes

Midway Power LLC.	ID	Green Future Choice	1,598	1,598	Hydro	7	2021	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	3,560	3,560	Solar	7	2020	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	2,825	2,825	Solar	8	2020	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	2,334	2,334	Solar	9	2020	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	1,896	1,896	Solar	10	2020	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	182	182	Solar	11	2020	Yes
Mountain Home Solar 1, LLC	ID	Green Future Choice	564	564	Solar	12	2020	Yes
Mountain Wind I	WY	Green Future Choice	4,000	4,000	Wind	11	2020	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Choice	690	690	Wind	6	2021	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Choice	734	734	Wind	1	2021	Yes
Nine Canyon Wind Project Phase III	WA	Green Future Choice	848	848	Wind	5	2021	Yes
Old Mill Solar	OR	Green Future Choice	117	117	Solar	6	2021	Yes
Old Mill Solar	OR	Green Future Choice	19	19	Solar	7	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	13	13	Solar	7	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	13	13	Solar	8	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	12	12	Solar	9	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	9	9	Solar	10	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	8	8	Solar	11	2020	Yes
Oregon Solar PV 2010	OR	Green Future Choice	5	5	Solar	12	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	53	53	Solar	8	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	43	43	Solar	9	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	36	36	Solar	10	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	30	30	Solar	11	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	22	22	Solar	12	2020	Yes
Oregon Solar PV 2011	OR	Green Future Choice	52	52	Solar	7	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	14	14	Solar	7	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	15	15	Solar	8	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	13	13	Solar	9	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	11	11	Solar	10	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	10	10	Solar	11	2020	Yes
Oregon Solar PV 2013	OR	Green Future Choice	7	7	Solar	12	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	10	10	Solar	7	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	11	11	Solar	8	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	10	10	Solar	9	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	8	8	Solar	10	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	8	8	Solar	11	2020	Yes
Oregon Solar PV 2014	OR	Green Future Choice	6	6	Solar	12	2020	Yes
Quichapa 1, LLC	UT	Green Future Choice	638	638	Solar	8	2020	Yes
Quichapa 1, LLC	UT	Green Future Choice	771	771	Solar	9	2020	Yes
Quichapa 1, LLC	UT	Green Future Choice	558	558	Solar	10	2020	Yes
Quichapa 1, LLC	UT	Green Future Choice	324	324	Solar	11	2020	Yes
Quichapa 1, LLC	UT	Green Future Choice	379	379	Solar	12	2020	Yes
Quichapa 2, LLC	UT	Green Future Choice	909	909	Solar	8	2020	Yes
Quichapa 2, LLC	UT	Green Future Choice	786	786	Solar	9	2020	Yes
Quichapa 2, LLC	UT	Green Future Choice	582	582	Solar	10	2020	Yes
Quichapa 2, LLC	UT	Green Future Choice	319	319	Solar	11	2020	Yes
Quichapa 2, LLC	UT	Green Future Choice	380	380	Solar	12	2020	Yes
Quichapa 3, LLC	UT	Green Future Choice	895	895	Solar	8	2020	Yes
Quichapa 3, LLC	UT	Green Future Choice	762	762	Solar	9	2020	Yes
Quichapa 3, LLC	UT	Green Future Choice	562	562	Solar	10	2020	Yes
Quichapa 3, LLC	UT	Green Future Choice	301	301	Solar	11	2020	Yes
Quichapa 3, LLC	UT	Green Future Choice	359	359	Solar	12	2020	Yes
Raft River Unit 1	ID	Green Future Choice	3,551	3,551	Geothermal	7	2020	Yes
Raft River Unit 1	ID	Green Future Choice	3,409	3,409	Geothermal	8	2020	Yes
Raft River Unit 1	ID	Green Future Choice	3,522	3,522	Geothermal	9	2020	Yes
Raft River Unit 1	ID	Green Future Choice	4,018	4,018	Geothermal	10	2020	Yes
Raft River Unit 1	ID	Green Future Choice	228	228	Geothermal	11	2020	Yes
Raft River Unit 1	ID	Green Future Choice	2,185	2,185	Geothermal	12	2020	Yes
Rattlesnake	WA	Green Future Choice	3,394	3,394	Wind	1	2021	Yes
Rattlesnake	WA	Green Future Choice	10,578	10,578	Wind	2	2021	Yes
Rattlesnake	WA	Green Future Choice	11,157	11,157	Wind	2	2021	Yes
Rattlesnake	WA	Green Future Choice	15,659	15,659	Wind	1	2021	Yes
Rock Creek Dairy	ID	Green Future Choice	539	539	Gaseous Biomass	9	2020	Yes
Rock Creek Dairy	ID	Green Future Choice	423	423	Gaseous Biomass	10	2020	Yes
Rockland Wind Farm LLC	ID	Green Future Choice	397	397	Wind	12	2020	Yes
Rockland Wind Farm LLC	ID	Green Future Choice	20,446	20,446	Wind	3	2021	Yes
Rockland Wind Farm LLC	ID	Green Future Choice	24,071	24,071	Wind	11	2020	Yes

New Renewables	Total Purchases/ Generation (MWH)	Total Sales (MWH)	Total Purch/Gen minus Sales (MWH)
Green Future Choice	2,039,308	2,039,308	-
Green Future Solar	2,811	2,811	-
Green Future Block	19,839	19,839	-
Green Future Enterprise	729,056	729,056	-
Total New Renewables	2,791,014	2,791,014	-

Verification of Product Content Labeling

	Product 1 Green Future Block (Fixed Renewable)		Product 2 Green Future Choice (Renewable Usage)		Product 3 Green Future Enterprise (Fixed Renewable)		Product 4 Green Future Solar	
	Claimed Percentage	Actual Percentage	Claimed Percentage	Actual Percentage*	Claimed Percentage	Actual Percentage	Claimed Percentage	Actual Percentage
Fuel (% of 100%)								
Hydro			1%	0.98%				
Nuclear								
Natural Gas								
Wind	100%	100.00%	75%	67.75%	100.00%	100.00%		
Solar			20%	26.78%			100.00%	100.00%
Biomass			3%	3.66%				
Geothermal			1%	0.83%				
Waste								
Other								
Coal								

*percentages might not add up to 100% due to rounding

Environmental Impact*

Nitrogen Oxide				-92.1%				
Sulfur Dioxide				-98.6%				
Carbon Dioxide								
Mercury								

* (% above or below the Northwest Power Pool (NWPP) emissions intensities for Nitrogen Oxides (0.504 lbs/MWh), Sulfur Dioxide (0.338 lbs/MWh), and Carbon Dioxide (600 lbs/MWh), per EPA Emissions & Generation Resource Integrated Database (eGRID, <https://www.epa.gov/e>

Certification: I CERTIFY THAT THE INFORMATION REPORTED IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

SIGNATURE		TITLE	Senior Director Clean Energy Origination & Structuring, Commercial Initiatives	DATE	26-Aug-22
NAME OF CONTACT PERSON AND PHONE NUMBER		Brett Greene (503) 464-7859			