

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Continue Implementation and
Administration of California Renewables Portfolio Standard
Program.

Rulemaking 11-05-005
(Filed May 5, 2011)

PacifiCorp

2011 Preliminary Annual 33% RPS Compliance Report

Reporting progress towards meeting the procurement quantity requirements for California's RPS
Program

PUBLIC VERSION

December 19, 2012

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CALIFORNIA'S RENEWABLES PORTFOLIO STANDARD

2011 Preliminary Annual 33% RPS Compliance Reporting Instructions

Annual RPS compliance reports submitted by retail sellers include qualitative and quantitative elements, as required by the public utilities code 399.13 and Commission decisions, notably, Decision (D.) 11-12-020, D.11-12-052 and D.12-06-038. Specific procedural guidelines, reporting requirements and general explanations about the RPS compliance spreadsheet are detailed below. Any questions concerning RPS compliance matters should be directed to Robert Blackney robert.blackney@cpuc.ca.gov, (415) 703-3072.

Procedural Guidelines

1. D.12-06-038 requires Investor Owned Utilities (IOU), Multi-Jurisdictional Utilities (MJU), Electric Service Providers (ESP), and Community Choice Aggregators (CCAs) to submit an annual report on its compliance with the California RPS program. Refer to D.12-06-038 for additional details related to the calculations within the RPS compliance spreadsheet.
2. Any retail seller seeking confidentiality protection for information required by the Compliance Report should file a declaration. Confidentiality requests shall comply with the substantive and procedural rules set forth in D.06-06-066, as modified by D.08-04-023, the Commission's decision in its Confidentiality proceeding, Rulemaking (R.)05-06-040, and any subsequent decisions issued in the same or successor proceeding. A declaration for confidentiality should identify all redacted information by tab name and cell reference.
3. RPS Compliance reports must be submitted to the Commission as specified below:
 - a. Serve a public version on the service list in proceeding R.11-05-005. All pages must be legible: If reports need to be printed and scanned to be issued to the service list, please ensure that scanned documents are not blurry or distorted. Retail sellers are responsible for maintaining confidentiality when serving a redacted report. **The most current version of the service list can be found on the Commission's webpage :**
http://www.cpuc.ca.gov/service_lists/R1105005_79864.htm
 - b) **Submit a confidential Excel version utilizing the locked spreadsheet with the Energy Division by e-mailing an electronic version to robert.blackney@cpuc.ca.gov and rpscompliance@cpuc.ca.gov. Please only submit Excel documents in .xls format (.xism and .xlsx files will NOT be accepted).**
 - c) Send paper copies (confidential and public) to each of the assigned Administrative Law Judges (ALJs):
Regina M. DeAngelis and Anne E. Simon
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
 - d) **Do not send paper copies of the confidential version to anyone except the persons listed above, unless specifically requested.**
4. Include the Title Page and fill out the following information:
 - a) Name of the retail seller serving the Compliance Report
 - b) Date the Compliance Report is being served
 - c) Contact information
5. Complete the Officer Verification Form in the format provided (Rule 1.11)

Narrative Reporting Requirements

Pursuant to Public Utilities Code Section 399.13(a)(3), each retail seller must include the following narrative information in each annual compliance report and in the final report for each compliance period:

1. The status of any necessary siting and permitting approvals from federal, state, and local agencies for those eligible renewable energy resources procured by the retail seller that have not yet attained their commercial on-line dates.
2. Identification of all procurement from eligible renewable energy resources located outside California and within the WECC during the period covered by the report.
3. Identification of all procurement of unbundled renewable energy credits (RECs) during the period covered by the report.
4. Recommendations to remove impediments to making progress toward achieving the renewable energy resources procurement requirements established by statute and implemented by Commission decision.

Each retail seller that is also an electrical corporation must, in addition to the four items set forth above, include the following narrative information in each annual compliance report and in the final report for each compliance period:

1. The current status and progress made during the prior year toward construction of, and upgrades to, transmission and distribution facilities and other electrical system components owned by that electrical corporation to interconnect eligible renewable energy resources and to supply the electricity generated by those resources to load. The narrative must specifically include, but is not limited to, the status of planning, siting, and permitting of transmission facilities by federal, state, and local agencies.

RPS Compliance Report Spreadsheet Instructions

General Instructions

1. Orange cells throughout the spreadsheet indicate data provided by the retail seller.
2. All data must be entered in megawatt-hours (MWh) out to three decimal points to accurately account for reported retail sales, quantity or renewable energy credits (RECs) and targets. The spreadsheet will display MWh throughout. Do not round any reporting data, as this may result in calculation errors.
3. The RPS compliance spreadsheet has locked cells to ensure accurate calculations. An unprotected version of the spreadsheet is available by request.
4. Protecting confidential data: Individual cells may be formatted black, which will serve to redact info when excel file is converted to pdf. Select cell - click on "fill color" icon - choose black. Note: Once converted to pdf, additional steps are necessary to ensure redacted data is not accessible.

Accounting tab instructions

The Accounting tab is where the primary RPS compliance calculations are made.

Information from the 20% RPS Program: 2010 retail sales figure (cells C10:D10) is needed to calculate the long-term contracting requirement for the first compliance period. Enter the "Surplus/(Deficit) Carried Forward" value from the "Provisional 20% RPS Closing Report" (cells C11:D11). Pursuant to D.12-06-038, all CA retail sellers are required to file a Closing Report to calculate their surplus/(deficit) procurement amount from the 20% RPS program.

Annual RPS Procurement and Percentages: This section calculates retail seller's annual percentage target and procurement made towards those targets, prior to the application of specific compliance rules.

Procurement Quantity Requirement: This section calculates retail seller's Procurement Quantity Requirement (PQR) for a given compliance period, and shows the total amount of RECs applied to the PQR (data sourced from the "RECs Retired to meet PQR Detail" tab).

Excess Procurement Calculation: This section calculates the quantity and classification of RECs that qualify as for excess procurement.

Excess Procurement Bank: This section shows the amount of excess procurement available for future RPS compliance, and a retail seller's application of excess procurement RECs towards a procurement quantity requirement, as applicable.

RPS Compliance Status: This section shows whether or not a retail seller met its procurement quantity requirement and the deficit amount, if any. Enforcement rules for RPS compliance have yet to be determined.

Deficit from the 20% Closing Report: This section how the retail seller will satisfy its net deficit from the 20% RPS Program, as reported in the Closing Report, if any.

Procurement Detail tab

Procurement Summary: This section differentiates the reported RECs procured by classification (i.e., pre-June 1, 2010, Category 1, Category 2 or Category 3) and calculates whether the retail seller met the long-term contracting requirements, if any short-term (< 10 yrs) contracts were executed in a compliance period.

Contract Detail: For each contract, enter actual and forecasted data (MWh) for each year throughout the contract term. Do not assume that an expiring contract will be renegotiated.

- a) Pre-2002 Contracts: Input total annual deliveries by resource type
- b) 2002-2020 Contracts: List contracts by CPUC ID Number, name, annual contracted deliveries (MWh), contract status, facility status, resource type, expected portfolio content category (i.e. Category 1, Category 2, etc.), contract length (i.e. short-term/long-term), whether contracted RECs are bundled/unbundled, the facility location (City and State), contract execution date, and the total MWh volume of the contract
- c) "Contract Volume" (Column "V") Input the total MWh over the term of the contract identified in the power purchase agreement.
- d) Contract Execution Date: The date the original contract was signed. If the parties signed on different dates, or there are any contract amendments or modifications occurring after June 1, 2010, that increase the nameplate capacity or expected quantities of annual generation, or substitute a different renewable energy resource, use the most recent execution/signing date.
- e) If any data for a specific contract differs from what is reported to the CEC or included in an RPS Verification Report of the CEC for that year, the specific cell should be highlighted and the discrepancy should be explained.

RECs Retired and Applied to PQR

The information provided in this tab is largely the same as the information within the "Procurement Detail tab"; however, rather than including all RPS eligible RECS procured, retail sellers should provide only the MWh figures of RECs retired through WREGIS and applied to their Procurement Quantity Requirement.

RPS Compliance Report: Summary

2011 Annual Summary	
December 19, 2012	

RPS Summary Report	2011	
	MWh	% of Total Retail Sales
Total Retail Sales	808,648	n/a
Annual RPS Target	161,730	20.0%
Total RPS Eligible RECs Procured	191,632	23.7%
Total RPS Eligible RECs Retired for Compliance	0	0.0%

RPS Procurement (from Procurement Detail Tab) Resource Mix

RPS Procurement	2011	
	MWh	% of Total RPS Procurement
Biomass	41,151	21.5%
Digester Gas	0	0.0%
Biodiesel	0	0.0%
Landfill Gas	234	0.1%
Muni Solid Waste	0	0.0%
<i>Biopower Subtotal</i>	41,385	21.6%
Geothermal	4,522	2.4%
Small Hydro	54,956	28.7%
Conduit Hydro	7,900	4.1%
Solar PV	0	0.0%
Solar Thermal	0	0.0%
Wind	82,870	43.2%
Ocean/Tidal	0	0.0%
Fuel Cells	0	0.0%
Total RPS Eligible Procurement	191,632	

Claimed Portfolio Content Category of RPS Procurement

Portfolio Content Category	2011	
	MWh	% of Total RPS Procurement
RECs Procured from Contracts Executed Prior to June 1, 2010	152,015	79.3%
RECs Procured from Category 1 Eligible Resources	0	0.0%
RECs Procured from Category 2 Eligible Resources	0	0.0%
RECs Procured from Category 3 Eligible Resources	39,618	20.7%
	191,632	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2			RPS Compliance Report: Summary										
3			2011-13 Compliance Period										
4			December 19, 2012										
5													
6													
7													
8			RPS Summary Report		2011	2012	2013	CP TOTAL					
9				MWh	MWh	MWh	MWh		%	of Total Retail Sales			
10			Total Retail Sales	808,648						n/a			
11			Annual RPS Targets and Compliance Period Procurement Requirement	161,730						20.0%			
12			Total RPS Eligible RECs Procured	191,632	156,309	157,108	505,049						
13			Total RPS Eligible RECs Retired	0	0	0	0			0.0%			
14			RPS Procurement Resource Mix										
15													
16													
17			RPS Eligible Procurement		2011	2012	2013	CP TOTAL					
18				MWh	MWh	MWh	MWh			%	of Total RPS Procurement		
19			Biomass	41,151	35,861	26,280	103,291			20.5%			
20			Digester Gas	0	0	0	0			0.0%			
21			Biodiesel	0	0	0	0			0.0%			
22			Landfill Gas	234	237	233	704			0.1%			
23			Muni Solid Waste	0	0	0	0			0.0%			
24			<i>Biopower Subtotal</i>	41,385	36,098	26,513	103,996			20.6%			
25			Geothermal	4,522	4,496	4,502	13,520			2.7%			
26			Small Hydro	54,956	31,734	42,094	128,783			25.5%			
27			Conduit Hydro	7,900	6,595	6,018	20,513			4.1%			
28			Solar PV	0	0	0	0			0.0%			
29			Solar Thermal	0	0	0	0			0.0%			
30			Wind	82,870	77,387	77,981	238,238			47.2%			
31			Ocean/Tidal	0	0	0	0			0.0%			
32			Fuel Cells	0	0	0	0			0.0%			
33			Total RPS Eligible Procurement	191,632	156,309	157,108	505,049						
34			Claimed Portfolio Content Category of RPS Procurement										
35													
36													
37			Portfolio Content Category		2011	2012	2013	CP TOTAL					
38				MWh	MWh	MWh	MWh			%	of Total RPS Procurement		
39			RECs Procured from Contracts Executed Prior to June 1, 2010	152,015	120,448	130,828	403,291			79.9%			
40			RECs Procured from Category 1 Eligible Resources	0	0	0	0			0.0%			
41			RECs Procured from Category 2 Eligible Resources	0	0	0	0			0.0%			
42			RECs Procured from Category 3 Eligible Resources	39,618	35,861	26,280	101,758			20.1%			
43			Total	191,632	156,309	157,108	505,049						
44													

This amount represents total procurement quantity requirement

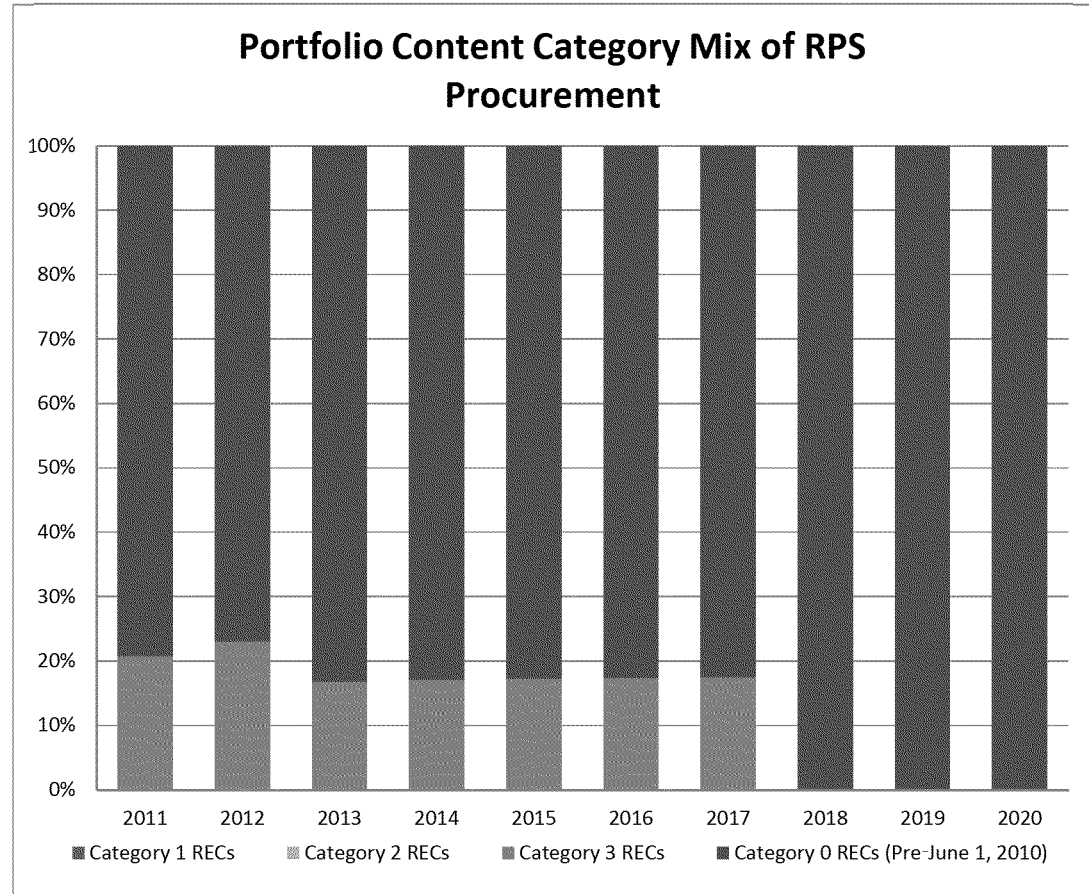
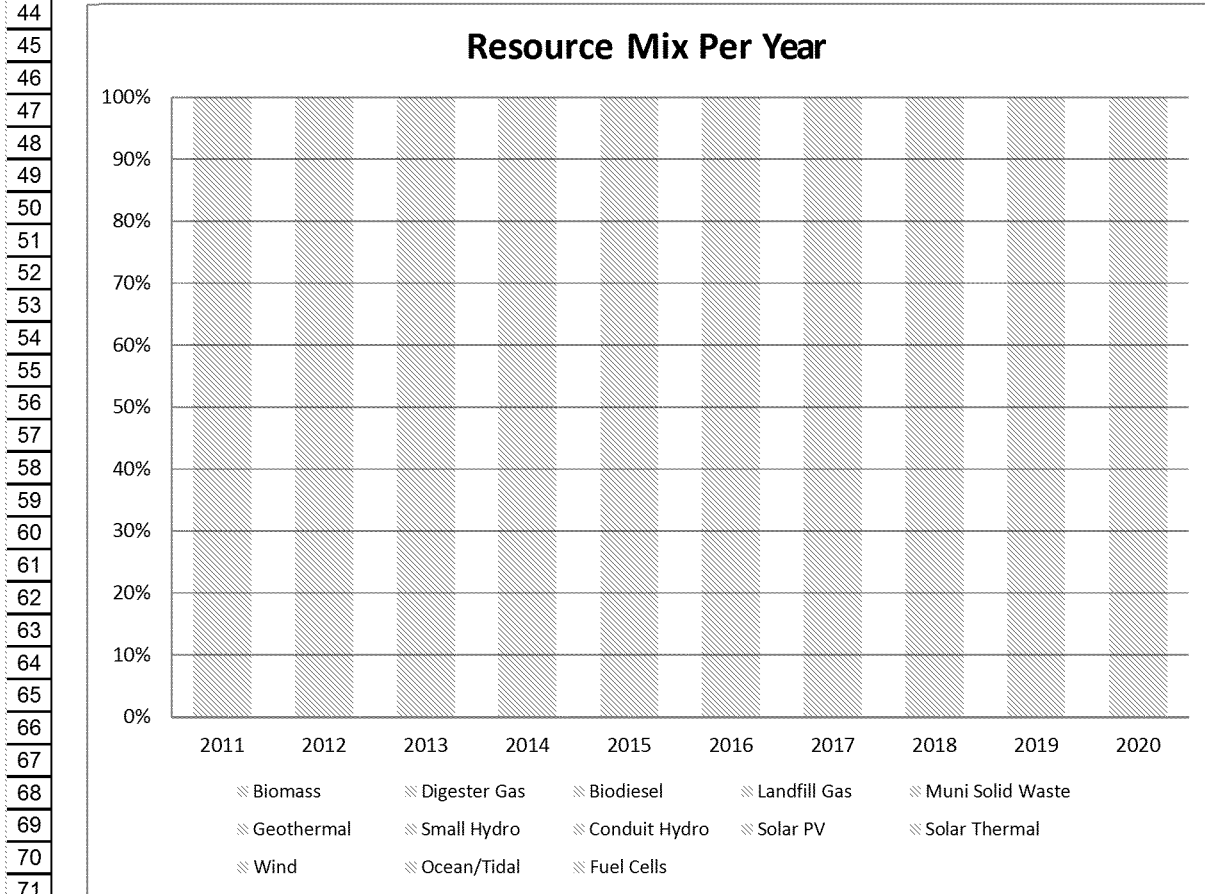
This amount represents quantity of RECs retired for this compliance period

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2		Data Reported by:											
3		PacifiCorp											
4		December 1 st , 2012											
5													
6		Compliance Summary and Charts											
7													
8			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
10		Retail Sales	808,648					776,115	773,308	771,611	769,882	768,617	
11		Annual % Target	20%	20%	20%	21.7%	23.3%	25%	27%	29%	31%	33%	
12		Annual RPS Target	161,730					194,029	208,793	223,767	238,663	253,644	
13		Procurement Quantity Requirement									924,867		
14													
15		Resource Mix											
16													
17			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
19		Total RPS Procurement	191,632	156,309	157,108	154,471	152,889	151,646	151,063	125,586	125,571	125,570	
20		<i>Biomass</i>	41,151	35,861	26,280	26,280	26,280	26,280	26,280	0	0	0	
21		<i>Digester Gas</i>	0	0	0	0	0	0	0	0	0	0	
22		<i>Biodiesel</i>	0	0	0	0	0	0	0	0	0	0	
23		<i>Landfill Gas</i>	234	237	233	226	224	222	221	222	222	222	
24		<i>Muni Solid Waste</i>	0	0	0	0	0	0	0	0	0	0	
25		<i>Biopower Subtotal</i>	41,385	36,098	26,513	26,506	26,504	26,502	26,501	222	222	222	
26		<i>Geothermal</i>	4,522	4,496	4,502	4,691	4,652	4,505	4,578	4,578	4,578	4,578	
27		<i>Small Hydro</i>	54,956	31,734	42,094	41,799	41,618	41,390	41,130	41,379	41,379	41,379	
28		<i>Conduit Hydro</i>	7,900	6,595	6,018	5,751	5,426	5,394	5,361	5,394	5,394	5,394	
29		<i>Solar PV</i>	0	0	0	0	0	0	0	0	0	0	
30		<i>Solar Thermal</i>	0	0	0	0	0	0	0	0	0	0	
31		<i>Wind</i>	82,870	77,387	77,981	75,724	74,689	73,855	73,493	74,012	73,997	73,997	
32		<i>Ocean/Tidal</i>	0	0	0	0	0	0	0	0	0	0	
33		<i>Fuel Cells</i>	0	0	0	0	0	0	0	0	0	0	
34													

A B C D E F G H I J K L M

35 **Portfolio Content Category Mix**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
39 Category 0 RECs (Pre-June 1, 2010)	152,015	120,448	130,828	128,191	126,609	125,366	124,783	125,586	125,571	125,570
40 Category 1 RECs	0	0	0	0	0	0	0	0	0	0
41 Category 2 RECs	0	0	0	0	0	0	0	0	0	0
42 Category 3 RECs	39,618	35,861	26,280	26,280	26,280	26,280	26,280	0	0	0



	A	B	C	D	E	F	G	H	I	J	K	L	M
2		Annual RPS Compliance Report: Compliance Status											
3		Data Reported by:											
4		PacifiCorp											
5		December 1 st , 2012											
6													
7													
8													
9		Information from the 20% RPS Compliance Program											
10		Total Retail Sales in 2010											
11		Net Surplus/(Deficit) from 20% RPS Closing Report											
12													
13													
14													
15													
16													
17		Annual RPS Procurement and Percentages (MWh)											
18		Annual Retail Sales											
19		Annual RPS Procurement											
20		Annual Percentage Targets											
21		Annual RPS Procurement Percentage											
22													
23													
24													
25		Procurement Quantity Requirement (MWh)											
26		Procurement Quantity Requirement (PQR)											
27		Retirements from Short-Term Contracts Executed Prior to June 1, 2010											
28		Retirements from Long-Term Contracts Executed Prior to June 1, 2010											
29		Long-Term Category 1 RECs Retired											
30		Short-Term Category 1 RECs Retired											
31		Long-Term Category 2 RECs Retired											
32		Short-Term Category 2 RECs Retired											
33		Long-Term Category 3 RECs Retired											
34		Short-Term Category 3 RECs Retired											
35		Annual Percentage Targets											
36		RECs Retired as Percentage of Retail Sales											
37		Total RECs Retired (Compliance Period)											
38													
39													
40													
41		Excess Procurement Calculation (MWh)											
42		Total RECs Retired in the Compliance Period											
43		RECs Retired from Short-Term contracts signed after June 1, 2010											
44		Portion of Unbundled RECs above the maximum limit											
45		Excess RECs Eligible for Banking											
46													
47													
48													
49		Excess Procurement Bank (MWh)											
50		Banked RECs											
51		Application of Banked RECs											
52		Balance of Banked RECs											
53													
54													
55													
56		RPS Compliance Status (MWh)											
57		Additional RECs Needed to meet RPS Procurement Quantity Requirement											
58													

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
215		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
216		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
217		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
218		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
219		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
220	Original Contract Year	Supine Contracted Capacity Expired in Base Units	56	1,499	1,567	1,639	1,711	1,783	1,855	1,927	2,000	2,072										
221		CA Compliance Eligible Procurement	58,225	142,185	142,185	142,185	142,185	142,185	142,185	142,185	142,185	142,185										
222		Resource	0	2,469	2,469	2,469	2,469	2,469	2,469	2,469	2,469	2,469										
223		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
224		Resource Name	0																			
225		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
226	2009	Cherem Capet Wind Farm	0										excluded - no approval needed	online								
227		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
228	2011	Geo Pro	0										excluded - no approval needed	online								
229		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
230	2011	Geo Pro	0										excluded - no approval needed	online								
231		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
232	2010	Rebure Wind	0										excluded - no approval needed	online								
233		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
234		Resource Name	0																			
235		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
236		Resource	0																			
237		CA Compliance Eligible Procurement	0										excluded - no approval needed	online								
238		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
239		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
240		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
241		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
242		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
243		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
244		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
245		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
246		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
247		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
248		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
249		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
250		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
251		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										
252		Project Name: Total generation	0	0	0	0	0	0	0	0	0	0										
253		CA Compliance Eligible Procurement	0	0	0	0	0	0	0	0	0	0										

RPS Procurement Progress Report: Retirement Detail

Data Reported by:
PacifiCorp
December 19, 2022

Input Required
Actual Data
Forecasted Data

Retirement Summary (MWh)	Actual MWh			Forecasted MWh						
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Annual Retirements	0	0	0	0	0	0	0	0	0	0
Retirements from Long-Term Contracts Executed Prior to June 1, 2010	0	0	0	0	0	0	0	0	0	0
Retirements from Short-Term Contracts Executed Prior to June 1, 2010	0	0	0	0	0	0	0	0	0	0
Long-Term Category 1 RECs Retired	0	0	0	0	0	0	0	0	0	0
Short-Term Category 1 RECs Retired	0	0	0	0	0	0	0	0	0	0
Long-Term Category 2 RECs Retired	0	0	0	0	0	0	0	0	0	0
Short-Term Category 2 RECs Retired	0	0	0	0	0	0	0	0	0	0
Long-Term Category 3 RECs Retired	0	0	0	0	0	0	0	0	0	0
Short-Term Category 3 RECs Retired	0	0	0	0	0	0	0	0	0	0
Total RECs Retired per Compliance Period	0	0	0	0	0	0	0	0	0	0
Amount of Category 1 Short-Term RECs Excluded from PQR	0	0	0	0	0	0	0	0	0	0
Amount of Category 2 Short-Term RECs Excluded from PQR	0	0	0	0	0	0	0	0	0	0
Amount of Category 3 Short-Term RECs Excluded from PQR	0	0	0	0	0	0	0	0	0	0
Retired RECs Eligible for Compliance	0	0	0	0	0	0	0	0	0	0

Unbundled REC Retirement Summary (MWh)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Long Term Unbundled RECs from post June 1, 2010	0	0	0	0	0	0	0	0	0	0
Total Short Term Unbundled RECs from post June 1, 2010	0	0	0	0	0	0	0	0	0	0
Sum of All Unbundled RECs from Post June 1, 2010 Contracts	0	0	0	0	0	0	0	0	0	0
Maximum Unbundled RECs Allowed from Third Parties	0	0	0	0	0	0	0	0	0	0
Total Unbundled RECs over the Third Party REC Limit	0	0	0	0	0	0	0	0	0	0

RPS Eligible Procurement By Resource Type	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Biomass	0	0	0	0	0	0	0	0	0	0
Digester Gas	0	0	0	0	0	0	0	0	0	0
Biodiesel	0	0	0	0	0	0	0	0	0	0
Landfill Gas	0	0	0	0	0	0	0	0	0	0
Muni Solid Waste	0	0	0	0	0	0	0	0	0	0
Biopower Subtotal	0	0	0	0	0	0	0	0	0	0
Geothermal	0	0	0	0	0	0	0	0	0	0
Small Hydro	0	0	0	0	0	0	0	0	0	0
Conduit Hydro	0	0	0	0	0	0	0	0	0	0
Solar PV	0	0	0	0	0	0	0	0	0	0
Solar Thermal	0	0	0	0	0	0	0	0	0	0
Wind	0	0	0	0	0	0	0	0	0	0
Ocean/Tidal	0	0	0	0	0	0	0	0	0	0
Fuel Cells	0	0	0	0	0	0	0	0	0	0

Contract Year	Retirement Detail	MWh										Resource Type	Expected Classification	Contract Length/Energy Type	Bundled/Unbundled	Short Term Contract Eligibility
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020					
	Pre 2002 Contracts	0	0	0	0	0	0	0	0	0	0					
	Biomass	0	0	0	0	0	0	0	0	0	0	Biomass				
	Digester Gas	0	0	0	0	0	0	0	0	0	0	Digester Gas				
	Biodiesel	0	0	0	0	0	0	0	0	0	0	Biodiesel				
	Landfill Gas	0	0	0	0	0	0	0	0	0	0	Landfill Gas				
	Muni Solid Waste	0	0	0	0	0	0	0	0	0	0	Muni Solid Waste				
	Geothermal	0	0	0	0	0	0	0	0	0	0	Geothermal				
	Small Hydro	0	0	0	0	0	0	0	0	0	0	Small Hydro				
	Conduit Hydro	0	0	0	0	0	0	0	0	0	0	Conduit Hydro				
	Solar PV	0	0	0	0	0	0	0	0	0	0	Solar PV				
	Solar Thermal	0	0	0	0	0	0	0	0	0	0	Solar Thermal				
	Wind	0	0	0	0	0	0	0	0	0	0	Wind				
	Ocean/Tidal	0	0	0	0	0	0	0	0	0	0	Ocean/Tidal				
	Fuel Cells	0	0	0	0	0	0	0	0	0	0	Fuel Cells				
	Post 2002 Contract Detail	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					
	Contract Name	0	0	0	0	0	0	0	0	0	0					

OFFICER VERIFICATION FORM

I am an officer of the reporting corporation herein, and am authorized to make this verification on its behalf. The statements in the foregoing document are true of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters I believe them to be true. The spreadsheet format used to file this compliance report has not ~~has~~ been altered from the version issued or approved by Energy Division ~~[, with the alterations described in this report].~~

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 17, 2022 at Portland, Oregon.

A handwritten signature in black ink, appearing to read 'Stefan Bird', written over a horizontal line.

Stefan Bird, Senior Vice President, Commercial & Trading