



**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

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Order Instituting Rulemaking to Continue
Implementation and Administration, and Consider
Further Development, of California Renewables
Portfolio Standard Program.

Rulemaking 15-02-020
(Filed February 26, 2015)

**PACIFICORP'S (U 901-E) ADDENDUM TO ITS 2015 ON-YEAR SUPPLEMENT TO
ITS 2015 INTEGRATED RESOURCE PLAN**

**PUBLIC VERSION
(ATTACHMENT A REDACTED)**

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Date: July 28, 2015

Attorney for PacifiCorp

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ITS 2015 INTEGRATED RESOURCE PLAN**

Pursuant to the *Decision on Participation of Small and Multi-jurisdictional Utilities in the Renewables Portfolio Standard Program*, issued May 30, 2008 (SMJU Order), PacifiCorp, d/b/a Pacific Power (PacifiCorp or Company) (U 901-E) submitted its 2015 On-Year Supplement to its 2015 Integrated Resource Plan (2015 On-Year Supplement) on April 30, 2015. Subsequently, on May 28, 2015, Assigned Commissioner Peterman issued *Assigned Commissioner’s Revised Ruling Identifying Issues and Schedule of Review for 2015 Renewables Portfolio Standard Procurement Plans* (the Ruling). The Ruling acknowledged that PacifiCorp filed its On-Year Supplement to its 2015 Integrated Resource Plan (IRP) on April 30, 2015¹, but requires PacifiCorp to “address the elements stated herein” with a filing on July 28, 2015.² Consistent with the Ruling, PacifiCorp submits this addendum to its 2015 On-Year Supplement.

In consideration of authority granted to the California Public Utilities Commission (Commission) in Assembly Bill 327, which authorized the Commission to increase the Renewables Portfolio Standard (RPS) procurement percentage, the Ruling requires 2015 RPS Procurement Plans to consider higher RPS targets. Specifically, the 2015 RPS Procurement Plans must consider both a 33 percent requirement by 2020 and a 40 percent requirement by

¹ See *Assigned Commissioner’s Revised Ruling Identifying Issues and Schedule of Review for 2015 Renewables Portfolio Standard Procurement Plans*, R.15-02-020 at 6 (May 28, 2015) (“Ruling”).

² *Id.* at Ordering Paragraph 2; Ordering Paragraph 5; Attachment 1.

VERIFICATION

I am the Director of Origination of the respondent corporation herein. I am authorized, per *Administrative Law Judges' Ruling Regarding Service and Provision of Documents*, issued April 22, 2015 in R.15-02-020, 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 and belief, and as to those matters I believe them to be true.

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

Executed on July 28, 2015 at Portland, Oregon.

A handwritten signature in black ink, appearing to read "Rick Link", is written over a horizontal line.

Rick Link
Director of Origination

ATTACHMENT A
PACIFICORP'S RENEWABLE NET SHORT ANALYSIS
ASSUMING 33% BY 2020 AND 40% BY 2024

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF			
1	1,000																																		
2																																			
3	Variable	Calculation	Item	Deficit from RPS prior to Reporting Year	2011 Actuals	2012 Actuals	2013 Actuals	2011-2013	2014 Forecast	2015 Forecast	2016 Forecast	2014-2016	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2017-2020	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast					
4	Forecast Year				-	-	-	CP1	-	-	-	CP2	-	-	-	-	CP3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
5	Annual RPS Requirement																																		
6	A		Bundled Retail Sales Forecast (LTPP)		809	783	795	2,386	754						720	710					696	685	672	659	642	628	614	602	586	576	564	555	546		
7	B		RPS Procurement Quantity Requirement (%)		20.0%	20.0%	20.0%	20.0%	21.7%	23.3%	25.0%	23.3%	27.0%	29.0%		31.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%		
8	C	A*B	Gross RPS Procurement Quantity Requirement (GWh)		162	157	159	477	164						223	234					230	226	222	218	212	207	203	199	193	190	186	183	180		
9	D		Voluntary Margin of Over-procurement																																
10	E	C+D	Net RPS Procurement Need (GWh)					477													230	226	222	218	212	207	203	199	193	190	186	183	180		
11	RPS-Eligible Procurement																																		
12	Fa		Risk-Adjusted RECs from Online Generation		190	158	130	477	155	156	156	467	154	140	116	108	519	86	84	88	88	78	75	74	74	73	84	67	59	58	52				
13	Faa		Forecast Failure Rate for Online Generation (%)																																
14	Fb		Risk-Adjusted RECs from RPS Facilities in Development						0	5	5	8	9	9	9	9	38	9	9	9	9	8	10	15	15	15	15	15	15	15	15	15	15		
15	Fbb		Forecast Failure Rate for RPS Facilities in Development (%)																																
16	Fc		Pre-Approved Generic RECs																																
17	Fd		Executed REC Sales																																
18	F	Fa + Fb + Fc + Fd	Total RPS Eligible Procurement (GWh)		190	158	130	477	155	156	161	472	163	149	125	117	555	95	92	97	97	86	86	90	89	88	83	74	73	74	73	67			
19	F0		Category 0 RECs		150	119	82	381	128	129	128	385	127	128	115	108	478	86	84	83	83	74	71	70	69	69	63	54	54	54	52				
20	F1		Category 1 RECs																																
21	F2		Category 2 RECs																																
22	F3		Category 3 RECs		40	39	48	126	27	28	53	87	37	21	10	9	77	9	9	14	14	13	15	20	20	20	20	20	20	20	20	20	15		
23	Gross RPS Position (Physical Net Short)																																		
24	Ga	F-E	Annual Gross RPS Position (GWh)					0													(134)	(133)	(125)	(121)	(125)	(122)	(113)	(110)	(105)	(107)	(113)	(110)	(113)		
25	Gb	F/A	Annual Gross RPS Position (%)					20%													14%	14%	14%	15%	15%	14%	15%	15%	14%	15%	14%	15%	12%		
26	Application of Bank																																		
27	Ha	H - Hc (from previous year)	Existing Banked RECs above the PQR		23			23	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
28	Hb		RECs above the PQR added to Bank				22	22																											
29	Hc		Non-bankable RECs above the PQR		5			5																											
30	H	Ha+Hb	Gross Balance of RECs above the PQR		23	-	22	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
31	CONFIDENTIAL	Ia	Planned Application of RECs above the PQR towards RPS Compliance																																
32	CONFIDENTIAL	Ib	Planned Sales of RECs above the PQR																																
33	CONFIDENTIAL	J	H-Ia-Ib																																
34	CONFIDENTIAL	J0	Category 0 RECs																																
35	CONFIDENTIAL	J1	Category 1 RECs																																
36	CONFIDENTIAL	J2	Category 2 RECs																																
37	Expiring Contracts																																		
38	K		RECs from Expiring RPS Contracts			3	3		3	3	4		4	4	4	56	57			57	57	57	57	57	57	57	57	57	57	57	57	57	57		
39	Net RPS Position (Optimized Net Short)																																		
40	CONFIDENTIAL	La	Ga + Ia - Ib - Hc																																
41	CONFIDENTIAL	Lb	(F + Ia - Ib - Hc)/A																																
42	Note: Fields in grey are protected as Confidential under CPUC Confidentiality Rules																																		
43	Note: Values are shown in GWhs																																		
44	Variable A:	Bundled Retail Sales Forecast (LTPP)	PacifiCorp does not participate in the LTPP. PacifiCorp retail sales forecast is based on PacifiCorp's 2015 IRP and incorporates the Preferred Portfolio's assumed selection of Distributed Generation and Energy Efficiency.																																
45	Variable Fa:	Risk-Adjusted RECs from Online Generation	Renewable energy generation forecast is based on PacifiCorp's 2015 IRP; however, includes recent contracts not included in IRP.																																
46			Generation adjusted to exclude contract extensions beyond the contract expiration date.																																
47	Variable Fb:	Risk-Adjusted RECs from RPS Facilities in Development	Includes system power purchase agreements executed as of April 1, 2015 and assumes 100% of the expected amount of energy output.																																
48	Variable K:	RECs from Expiring RPS Contracts	RECs from Expiring RPS Contracts is based on PacifiCorp's 2014 Preliminary Annual 33% RPS Compliance Report and include contracts expiring prior to 2020.																																
49	Variable Hc:	Non-bankable RECs above the PQR	Representative of the 2008 vintage RECs retired by PacifiCorp in Compliance Period 1 and deemed ineligible by the CPUC per 20% closing report.																																
50	General comment:		Procurement shown represents amount allocated to California. Forecast subject to change as allocations are based on dynamic allocation factors.																																

