

e-FILING REPORT COVER SHEET

REPORT NAME: Oregon Solar Incentive Program Rate Impact Report

COMPANY NAME: PacifiCorp d/b/a/ Pacific Power

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes

If yes, please submit only the cover letter electronically. Submit confidential information as directed OAR 860-001-0070 or the terms of an applicable protective order.

If known, please select designation: RE (Electric) RG (Gas) RW (Water)
 RO (Other)

Report is required by: OAR 860-084-0380
 Statute
 Order
 Other

Is this report associated with a specific docket/case? No Yes
If Yes, enter docket number: RE-95

Key words: Oregon Solar Incentive Program Rate Impact Report

If known, please select the PUC Section to which the report should be directed:

- Corporate Analysis and Water Regulation
- Economic and Policy Analysis
- Electric and Natural Gas Revenue Requirements
- Electric Rates and Planning
- Natural Gas Rates and Planning
- Utility Safety, Reliability & Security
- Administrative Hearings Division
- Consumer Services Section

PLEASE NOTE: Do NOT use this form or e-filing with the PUC Filing Center for:

- **Annual Fee Statement form and payment remittance or**
- **OUS or RSPF Surcharge form or surcharge remittance or**
- **Any other Telecommunications Reporting or**
- **Any daily safety or safety incident reports or**
- **Accident reports required by ORS 654.715.**



825 NE Multnomah, Suite 2000
Portland, Oregon 97232

November 1, 2018

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
201 High Street SE, Suite 100
Salem, OR 97301-3398

Attn: Filing Center

Re: RE 95—Oregon Solar Incentive Program Rate Impact Report

Please find enclosed PacifiCorp d/b/a/ Pacific Power's Oregon Solar Incentive Program Rate Impact Report. Consistent with OAR 860-084-0380, PacifiCorp filed this report in 2010, 2012, and 2014. PacifiCorp provides this report in 2018 at the request of Public Utility Commission of Oregon staff.

Informal inquiries regarding this filing may be directed to Natasha Siores at (503) 813-6583.

Sincerely,

Etta Lockey
Vice President, Regulation

Enclosures

**Pacific Power
State of Oregon
Estimated Rate Impact of OSIP Cost Recovery**

	Total Retail	Residential	Sm/Med General Svc	Large General Svc	Irrigation
2018	0.3%	0.3%	0.3%	0.5%	0.3%
2019	0.4%	0.3%	0.4%	0.5%	0.3%
2020	0.3%	0.3%	0.4%	0.5%	0.3%
2021	0.3%	0.3%	0.3%	0.4%	0.3%
2022	0.3%	0.3%	0.3%	0.4%	0.3%
2023	0.3%	0.3%	0.3%	0.4%	0.3%
2024	0.3%	0.3%	0.3%	0.4%	0.3%
2025	0.3%	0.3%	0.3%	0.4%	0.3%
2026	0.3%	0.2%	0.3%	0.3%	0.2%
2027	0.2%	0.2%	0.2%	0.3%	0.2%
2028	0.1%	0.1%	0.1%	0.2%	0.1%
2029	0.1%	0.1%	0.1%	0.1%	0.1%
2030	0.0%	0.0%	0.0%	0.0%	0.0%
2031	0.0%	0.0%	0.0%	0.0%	0.0%
2032	0.0%	0.0%	0.0%	0.0%	0.0%
2033	0.0%	0.0%	0.0%	0.0%	0.0%

Note: Assumes 3% annual revenue growth.

**Estimated Cost of the Oregon Solar Incentive Program
Nov-18**

Year	(aa) KWH	(bb) Payments	(cc) Enroll Cost	(cc) Metering	(cc) Ongoing costs	(dd) Energy Value per KWH	(WH * Energy Value Energy Value	(cc) Meter Rev	Tot of Rev & Costs) Total
2010/2011									
1*	967,154	\$ 423,296	\$ 433,417	\$ 39,014	\$ -	\$ 0.0310	\$ 29,969	\$ 18,599	\$ 847,159
2012*	4,175,261	\$ 1,641,824	\$ 352,756	\$ 26,806	\$ -	\$ 0.0319	\$ 133,218	\$ 54,368	\$ 1,833,800
2013*	7,519,620	\$ 2,819,424	\$ 330,747	\$ 33,917	\$ -	\$ 0.0315	\$ 237,078	\$ 51,802	\$ 2,895,208
2014*	12,067,617	\$ 3,825,461	\$ 401,157	\$ 30,037	\$ -	\$ 0.0341	\$ 411,711	\$ 69,270	\$ 3,775,674
2015*	14,421,020	\$ 4,382,464	\$ 386,851	\$ 12,212	\$ -	\$ 0.0343	\$ 494,209	\$ 83,981	\$ 4,203,337
2016*	15,987,290	\$ 4,573,234	\$ -	\$ 12,384	\$ 268,778	\$ 0.0257	\$ 410,549	\$ 93,540	\$ 4,350,307
2017*	15,225,019	\$ 4,816,933	\$ -	\$ 860	\$ 188,475	\$ 0.0259	\$ 394,885	\$ 98,942	\$ 4,512,441
2018*	16,674,744	\$ 4,802,079	\$ -	\$ -	\$ 174,938	\$ 0.0336	\$ 560,367	\$ 101,081	\$ 4,315,569
2019	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0276	\$ 452,210	\$ 102,000	\$ 4,698,167
2020	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0273	\$ 447,781	\$ 102,000	\$ 4,702,595
2021	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0303	\$ 496,332	\$ 102,000	\$ 4,654,045
2022	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0337	\$ 551,936	\$ 102,000	\$ 4,598,441
2023	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0373	\$ 612,132	\$ 102,000	\$ 4,538,245
2024	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0420	\$ 689,387	\$ 102,000	\$ 4,460,990
2025	16,402,249	\$ 5,052,377	\$ -	\$ -	\$ 200,000	\$ 0.0448	\$ 734,985	\$ 102,000	\$ 4,415,392
2026	15,435,095	\$ 4,754,009	\$ -	\$ -	\$ 200,000	\$ 0.0478	\$ 738,106	\$ 102,000	\$ 4,113,903
2027	12,226,988	\$ 3,765,912	\$ -	\$ -	\$ 200,000	\$ 0.0474	\$ 579,804	\$ 102,000	\$ 3,284,108
2028	8,882,629	\$ 2,735,850	\$ -	\$ -	\$ 200,000	\$ 0.0472	\$ 419,260	\$ 90,000	\$ 2,426,590
2029	4,334,632	\$ 1,335,067	\$ -	\$ -	\$ 135,000	\$ 0.0506	\$ 219,332	\$ 60,000	\$ 1,190,734
2030	917,700	\$ 282,652	\$ -	\$ -	\$ 135,000	\$ 0.0559	\$ 51,254	\$ 30,000	\$ 336,398
2031	917,700	\$ 282,652	\$ -	\$ -	\$ 135,000	\$ 0.0586	\$ 53,750	\$ 960	\$ 362,942
2032	917,700	\$ 282,652	\$ -	\$ -	\$ 135,000	\$ 0.0617	\$ 56,622	\$ 960	\$ 360,070
2033	131,100	\$ 40,379	\$ -	\$ -	\$ 135,000	\$ 0.0648	\$ 8,495	\$ 120	\$ 166,764
	245,617,009	\$ 76,130,523	\$ 1,904,928	\$ 155,230	\$ 3,307,191		\$ 8,783,371	\$ 1,671,623	\$ 71,042,878

* Actual Costs for program Year 2010 - 2018

**Estimated Blended Rate and KWH Output
Nov-18**

Date	Tot KWH	Est. Dollars	(aa) KWH	(bb) Payments
7/1/10	1,302,728	\$ 548,218		
10/1/10	1,128,666	\$ 591,761	2,431,394	\$ 1,139,979
4/1/11	1,745,393	\$ 645,044		
10/1/11	670,721	\$ 193,832	2,416,114	\$ 838,876
4/1/12	2,727,100	\$ 731,145		
10/1/12	2,189,400	\$ 561,183	4,916,500	\$ 1,292,328
4/1/13	1,739,618	\$ 407,525		
10/1/13	1,174,577	\$ 314,783	2,914,196	\$ 722,308
4/1/14	1,709,590	\$ 469,395	1,709,590	\$ 469,395
5/1/15	2,014,455	\$ 589,492	2,014,455	\$ 589,492
Total			16,402,249	\$ 5,052,377

**Estimated Development, Enrollment and Ongoing Program Costs
Nov-18**

Development and Enrollment Cost Year 1	\$	475,000	<i>(cc)</i>
Enrollment Cost Years 2 through 5	\$	425,000	<i>(cc)</i>
Metering Cost Year 1 through 5	\$	50,000	<i>(cc)</i>
Ongoing Cost Year 7 through 18	\$	200,000	<i>(cc)</i>
Ongoing Cost Year 19 through 23	\$	135,000	<i>(cc)</i>
Revenue Meter Throughout Program	\$10 per Month		<i>(cc)</i>

* Revenue Meter is based on \$10 per month

Estimated Energy Value for Program Costs

Nov-18

Date	Price
1/1/2019	\$ 31.78
2/1/2019	\$ 27.72
3/1/2019	\$ 19.91
4/1/2019	\$ 16.51
5/1/2019	\$ 18.45
6/1/2019	\$ 23.38
7/1/2019	\$ 37.53
8/1/2019	\$ 44.19
9/1/2019	\$ 33.91
10/1/2019	\$ 22.92
11/1/2019	\$ 24.48
12/1/2019	\$ 30.03
Average:	\$ 27.57
Conversion to KWH	0.001
Energy Value Per KWH:	\$ 0.02757 (dd)

Incentive Estimate by Allotment Period

		Capacity	KWH	Tot KWH	Est Rate	Est \$		
7/1/2010*	S	371.61	1311.00	487180.71	\$ 0.62	\$ 302,052		
	M	124.58	1311.00	163324.38	\$ 0.55	\$ 89,828		
	L	497.50	1311.00	652222.50	\$ 0.24	\$ 156,338		
				1302727.59	\$ 0.47	\$ 548,218		
10/1/2010*	s	458.65	1311.00	601290.15	\$ 0.55	\$ 330,710		
	M	402.27	1311.00	527375.97	\$ 0.50	\$ 261,051		
	L	0.00	1311.00	0.00	\$ -	\$ -	KWH	\$
				1128666.12	\$ 0.52	\$ 591,761	2431393.71	\$ 1,139,979
4/1/2011*	S	717.14	1311.00	940163.99	\$ 0.43	\$ 402,766		
	M	253.57	1311.00	332430.27	\$ 0.40	\$ 131,642		
	L	360.64	1311.00	472799.04	\$ 0.23	\$ 110,635		
				1745393.30	\$ 0.35	\$ 645,044		
10/1/2011*	S	262.61	1311.00	344281.71	\$0.36	123941.42		
	M	249.00	1311.00	326439.00	\$0.21	69890.59		
	L	0.00	1311.00	0.00	\$ -	0.00	KWH	\$
				670720.71	\$0.29	\$ 193,832	2416114.01	\$ 838,876
4/1/2012*	S	693.59	1311.00	909293.87	\$ 0.38	\$ 345,532		
	M	539.08	1311.00	706733.88	\$ 0.29	\$ 204,953		
	L	847.50	1311.00	1111072.50	\$ 0.16	\$ 180,660		
				2727100.25	\$ 0.28	\$ 731,145		
10/1/2012*	S	771.00	1311.00	1010784.93	\$ 0.36	\$ 363,883		
	M	899.02	1311.00	1178615.22	\$ 0.17	\$ 197,300		
	L	0.00	1311.00	0.00	\$ -	\$ -	KWH	\$
				2189400.15	\$ 0.26	\$ 561,183	4916500.40	\$ 1,292,328
4/1/2013*	S	681.05	1311.00	892856.55	\$ 0.33	\$ 294,643		
	M	150.56	1311.00	197384.16	\$ 0.21	\$ 41,451		
	L	495.33	1311.00	649377.63	\$ 0.11	\$ 71,432		
				1739618.34	\$ 0.22	\$ 407,525		
10/1/2013*	S	604.74	1311.00	792814.14	\$ 0.32	\$ 253,701		
	M	291.20	1311.00	381763.20	\$ 0.16	\$ 61,082		
	L	0.00	1311.00	0.00	\$ -	\$ -	KWH	\$
				1174577.34	\$ 0.24	\$ 314,783	2914195.68	\$ 722,308
4/1/14	S	822.12	1311.00	1077792.77	\$ 0.33	\$ 355,672		
	M	481.92	1311.00	631797.12	\$ 0.18	\$ 113,723		
	L	0.00	1311.00	0.00	\$ -	\$ -		
		10974.67		1709589.89	\$ 0.26	\$ 469,395		
5/1/15 Estimated	S	646.95	1311.00	848150.14	\$ 0.31	\$ 262,927		
	M	889.63	1311.00	1166304.93	\$ 0.28	\$ 326,565		
	L	0.00	1311.00	0.00	\$ -	\$ -	KWH	\$
				2014455.07	\$ 0.31	\$ 589,492	3724044.95	\$ 1,058,887

Total 16,402,249 \$ 5,052,377

Avg Cost Per kWh \$0.3080