



e-FILING REPORT COVER SHEET

COMPANY NAME: PacifiCorp d/b/a Pacific Power

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: UE 328

Report is required by:  OAR

Statute

Order Order No. 17-172

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: UE 328

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

Schedule 45

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

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.

September 19, 2022

***VIA ELECTRONIC FILING***

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

**RE: RE 180—Compliance Filing—Annual Program Report**

**Purpose**

In compliance with Order No. 17-172, the purpose of this filing is to provide the fifth annual report on PacifiCorp d/b/a Pacific Power's (PacifiCorp or the Company) Schedule 45 Public DC Fast Charger Optional Transitional Rate Delivery Service (Schedule 45), which became effective June 1, 2017, with the approval of Advice 16-020 by the Public Utility Commission of Oregon (Commission).<sup>1</sup> PacifiCorp filed Advice 16-020 on December 27, 2016, which was supplemented on April 14, 2017 (Supplemental Filing). In its Supplemental Filing, PacifiCorp committed to file both annual and triennial reports on the effects of Schedule 45 throughout the time it remains in effect.

**Background**

In response to Senate Bill 1547, which passed in March of 2016, PacifiCorp filed applications for new programs and rates to accelerate transportation electrification in Advice 16-020. In advance of filing these applications, the company held a series of public stakeholder workshops, during which various parties indicated that, at current utilization levels, demand charges are a significant impediment to maintaining and expanding a network of public electric vehicle direct current (DC) fast charging stations. As a result of these meetings, as well as PacifiCorp's own analysis, it became apparent that, while it may not often be economic for customers to install DC fast chargers at the frequency they are currently utilized, the availability of a dependable network of publicly available DC fast chargers that can quickly recharge electric vehicle batteries is critical to the acceleration of transportation electrification. PacifiCorp addressed these concerns in its initial filing in Advice 16-020, which proposed replacing demand charges with on-peak energy charges for separately-metered, publicly-available DC fast chargers. After discussions with Commission staff, PacifiCorp's Supplemental Filing included a proposal for both annual and triennial reporting on Schedule 45, a cap of 200 program participants, and an explicit glide-path for Schedule 45 customers back to Schedule 28 over a period of nine years. This proposal was ultimately approved by the Commission, and Schedule 45 became effective June 1, 2017.

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<sup>1</sup> *In the Matter of PacifiCorp dba Pacific Power, Advice 16-020 (ADV 485), Schedule 45 and 745 Public DC Fast Charger Delivery Service Optional Transitional Rate*, Docket No. UE 328, Order No. 17-172 (May 16, 2017).

### **Rate Design**

Customers on Schedule 45 pay all applicable rates under Schedule 28, plus a 10.738 cents per kilowatt-hour on-peak energy adder that is designed to collect the same amount of revenue as the Schedule 28 demand charges.<sup>2</sup> While the customer pays both the demand charges and the on-peak energy adder, the schedule includes complementary percentage discounts that prevent the customer from ever paying the full amount of either charge. These percentage discounts are scheduled to change annually on May 15 in a way that increases the demand charges and decreases the on-peak energy adder by 10 percent. Continuing this glide-path, rates will return to standard Schedule 28 rates after nine years.

### **Report Requirements**

The Supplemental Filing proposed both annual and triennial reports as detailed below:

- Information provided annually:
  - The monthly number of customers, including the number of DC fast chargers participating in the tariff. The monthly energy on the tariff.
  - An analysis that compares these customers' monthly bills with what they would have been on standard rates.
  - The location by ZIP Code of installed chargers plus known information on the size and capacity of chargers.
- Information provided triennially:
  - Lessons learned from the program, including any anecdotal feedback from customers or from plug-in electric vehicle (PEV) drivers who use the participating DC fast chargers. Information, if available, on the rates charged to drivers and if those rates vary by time period.
  - Recommendations for changes to the schedule, if needed. A request for continuance of offering, if needed.

PacifiCorp's response to both the annual and triennial reporting requirements detailed above follows.

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<sup>2</sup> To maintain an on-peak period consistent with what is currently offered to residential and small non-residential consumers, the Company uses the on-peak time period currently effective for Schedule 210, Portfolio Time-of-Use Supply Service. This is defined as 4:00 p.m. to 8:00 p.m. in summer; 6:00 a.m. to 10:00 a.m. and 5:00 p.m. to 8:00 p.m. in winter (except weekends and holidays).

**Participation and Bill Comparisons**

The table below provides the locations of the 29 sites currently participating in Schedule 45, along with known information on the size and capacity of the chargers at the sites.

Site	Zip	City	# DCFC	DCFC KW
1	97110	CANNON BEACH	1	50
2	97103	ASTORIA	1	50
3	97741	MADRAS	1	50
4	97031	HOOD RIVER	1	50
5	97470	ROSEBURG	1	50
6	97526	GRANTS PASS	1	50
7	97502	CENTRAL POINT	1	50
8	97497	WOLF CREEK	1	50
9	97424	COTTAGE GROVE	1	50
10	97367	LINCOLN CITY	1	50
11	97360	MILL CITY	1	50
12	97812	ARLINGTON	1	50
13	97322	ALBANY	4	350
14	97031	HOOD RIVER	4	350
15	97526	GRANTS PASS	4	350
16	97479	SUTHERLIN	4	350
17	97838	HERMISTON	4	350
18	97217	PORTLAND	4	50
19	97741	MADRAS	1	40
20	97504	MEDFORD	12	250
21	97801	PENDLETON	8	150
22	97138	SEASIDE	8	150
23	97702	BEND	8	150
24	97526	GRANTS PASS	8	150
25	97603	KLAMATH FALLS	8	150
26	97146	WARRENTON	4	350
27	97702	BEND	4	350
28	97031	HOOD RIVER	8	250
29	97457	MYRTLE CREEK	8	250

The table below details the total monthly Schedule 45 energy usage and demand, and the program savings by month.

Schedule 45 Participation, Usage and Savings Summary												
A	B	C	D	E	F	G	H	I	J	K	L	M
Month-Year	Sites (monthly bills)	On-Peak kWh	Total kWh	=D/B Total kWh per bill	15-Minute Peak kW Demand	=F/B 15-Minute Peak kW Demand per bill	=F/D*730 Load Factor	Standard Rate Bill Totals	Schedule 45 Bill Totals	=I-J Total Customer Savings	=K/B Average Customer Savings	=K/I Percentage Savings
Jun-17	-	-	-	-	-	-	0.0%	\$0	\$0	\$0	\$0	0%
Jul-17	1	35	266	266	28	28	1.3%	\$84	\$62	\$21	\$21	26%
Aug-17	1	116	684	684	28	28	3.3%	\$171	\$132	\$39	\$39	23%
Sep-17	1	45	188	188	28	28	0.9%	\$117	\$87	\$30	\$30	26%
Oct-17	2	80	451	226	56	28	1.1%	\$306	\$224	\$82	\$41	27%
Nov-17	10	980	5,375	538	495	50	1.5%	\$3,607	\$1,536	\$2,071	\$207	57%
Dec-17	12	1,953	8,017	668	515	43	2.1%	\$4,673	\$2,130	\$2,543	\$212	54%
Jan-18	12	1,600	7,888	657	497	41	2.2%	\$4,527	\$2,052	\$2,475	\$206	55%
Feb-18	12	1,804	7,297	608	534	45	1.9%	\$4,675	\$2,125	\$2,550	\$212	55%
Mar-18	12	1,697	8,049	671	535	45	2.1%	\$4,742	\$2,176	\$2,566	\$214	54%
Apr-18	12	1,263	7,035	586	542	45	1.8%	\$4,708	\$1,982	\$2,725	\$227	58%
May-18	12	866	6,903	575	572	48	1.7%	\$4,763	\$1,992	\$2,771	\$231	58%
Jun-18	12	1,048	8,073	673	588	49	1.9%	\$4,946	\$2,362	\$2,584	\$215	52%
Jul-18	12	1,212	8,782	732	566	47	2.1%	\$5,023	\$2,467	\$2,556	\$213	51%
Aug-18	12	1,304	9,389	782	560	47	2.3%	\$5,072	\$2,501	\$2,571	\$214	51%
Sep-18	12	1,340	8,474	706	542	45	2.1%	\$4,748	\$2,351	\$2,397	\$200	50%
Oct-18	12	1,187	8,228	686	500	42	2.3%	\$4,586	\$2,321	\$2,265	\$189	49%
Nov-18	12	1,457	8,540	712	548	46	2.1%	\$4,834	\$2,411	\$2,423	\$202	50%
Dec-18	12	1,887	8,280	690	553	46	2.1%	\$4,855	\$2,446	\$2,409	\$201	50%
Jan-19	12	1,843	7,975	665	492	41	2.2%	\$4,521	\$2,358	\$2,163	\$180	48%
Feb-19	12	1,885	7,944	662	543	45	2.0%	\$4,701	\$2,391	\$2,310	\$193	49%
Mar-19	12	1,866	7,386	616	551	46	1.8%	\$4,662	\$2,338	\$2,324	\$194	50%
Apr-19	12	1,336	7,827	652	541	45	2.0%	\$4,641	\$2,316	\$2,325	\$194	50%
May-19	13	1,067	8,369	644	711	55	1.6%	\$5,283	\$2,621	\$2,662	\$205	50%
Jun-19	16	2,167	15,722	983	1,049	66	2.1%	\$8,494	\$4,593	\$3,900	\$244	46%
Jul-19	17	2,853	19,363	1,139	1,184	70	2.2%	\$9,823	\$5,407	\$4,417	\$260	45%
Aug-19	18	4,266	23,329	1,296	1,330	74	2.4%	\$11,379	\$6,307	\$5,071	\$282	45%
Sep-19	18	4,707	22,896	1,272	1,469	82	2.1%	\$12,323	\$6,640	\$5,683	\$316	46%
Oct-19	18	3,214	22,121	1,229	1,437	80	2.1%	\$12,096	\$6,428	\$5,668	\$315	47%
Nov-19	18	3,975	23,068	1,282	1,678	93	1.9%	\$13,646	\$7,046	\$6,600	\$367	48%
Dec-19	19	4,945	24,273	1,278	1,503	79	2.2%	\$12,849	\$6,988	\$5,860	\$308	46%

(continued)

Schedule 45 Participation, Usage and Savings Summary (continued)												
A	B	C	D	E	F	G	H	I	J	K	L	M
Month-Year	Sites (monthly bills)	On-Peak kWh	Total kWh	=D/B Total kWh per bill	15-Minute Peak kW Demand	=F/B 15-Minute Peak kW Demand per bill	=F/D*730 Load Factor	Standard Rate Bill Totals	Schedule 45 Bill Totals	=I-J Total Customer Savings	=K/B Average Customer Savings	=K/I Percentage Savings
Jan-20	19	4,798	23,247	1,224	1,319	69	2.4%	\$11,648	\$6,561	\$5,088	\$268	44%
Feb-20	19	4,732	20,086	1,057	1,279	67	2.2%	\$11,240	\$6,268	\$4,972	\$262	44%
Mar-20	19	4,650	20,850	1,097	1,360	72	2.1%	\$11,795	\$6,474	\$5,321	\$280	45%
Apr-20	19	2,808	14,046	739	1,309	69	1.5%	\$11,021	\$5,759	\$5,262	\$277	48%
May-20	19	2,265	13,124	691	1,309	69	1.4%	\$10,940	\$5,748	\$5,193	\$273	47%
Jun-20	19	3,014	18,226	959	1,469	77	1.7%	\$12,172	\$7,037	\$5,135	\$270	42%
Jul-20	19	4,200	20,357	1,071	1,435	76	1.9%	\$12,152	\$7,302	\$4,851	\$255	40%
Aug-20	19	3,848	24,217	1,275	1,466	77	2.3%	\$12,691	\$7,683	\$5,007	\$264	39%
Sep-20	19	4,618	25,705	1,353	1,521	80	2.3%	\$13,098	\$7,972	\$5,126	\$270	39%
Oct-20	19	3,144	22,205	1,169	1,629	86	1.9%	\$13,502	\$7,888	\$5,614	\$295	42%
Nov-20	19	4,255	22,652	1,192	1,466	77	2.1%	\$12,551	\$7,589	\$4,963	\$261	40%
Dec-20	19	4,569	22,214	1,169	1,547	81	2.0%	\$13,024	\$7,788	\$5,236	\$276	40%
Jan-21	20	4,288	24,236	1,212	1,709	85	1.9%	\$13,871	\$8,186	\$5,686	\$284	41%
Feb-21	23	18,127	103,079	4,482	3,135	136	4.5%	\$30,563	\$19,393	\$11,171	\$486	37%
Mar-21	25	35,241	191,032	7,641	4,271	171	6.1%	\$44,246	\$29,708	\$14,537	\$581	33%
Apr-21	25	49,357	272,939	10,918	4,830	193	7.7%	\$53,005	\$37,372	\$15,633	\$625	29%
May-21	25	46,027	293,743	11,750	5,012	200	8.0%	\$56,046	\$39,756	\$16,290	\$652	29%
Jun-21	26	57,729	358,244	13,779	5,517	212	8.9%	\$63,606	\$48,308	\$15,298	\$588	24%
Jul-21	27	85,264	478,179	17,710	5,718	212	11.5%	\$72,761	\$58,942	\$13,820	\$512	19%
Aug-21	27	90,192	519,601	19,244	5,940	220	12.0%	\$77,289	\$62,993	\$14,296	\$529	18%
Sep-21	27	64,542	407,626	15,097	6,015	223	9.3%	\$70,658	\$54,618	\$16,040	\$594	23%
Oct-21	27	58,132	345,286	12,788	5,435	201	8.7%	\$62,986	\$48,416	\$14,570	\$540	23%
Nov-21	28	64,621	380,160	13,577	6,137	219	8.5%	\$70,056	\$53,621	\$16,435	\$587	23%
Dec-21	28	71,907	402,706	14,382	6,611	236	8.3%	\$74,678	\$57,110	\$17,567	\$627	24%
Jan-22	29	69,804	381,208	13,145	6,617	228	7.9%	\$72,980	\$55,714	\$17,266	\$595	24%
Feb-22	29	57,492	309,206	10,662	6,525	225	6.5%	\$67,250	\$49,926	\$17,324	\$597	26%
Mar-22	29	71,926	382,179	13,179	6,671	230	7.8%	\$72,589	\$55,868	\$16,721	\$577	23%
Apr-22	29	84,940	497,237	17,146	7,623	263	8.9%	\$85,663	\$67,024	\$18,639	\$643	22%
May-22	29	78,000	472,988	16,310	7,217	249	9.0%	\$81,622	\$64,413	\$17,209	\$593	21%
Jun-22	29	100,669	641,360	22,116	7,824	270	11.2%	\$95,979	\$81,226	\$14,752	\$509	15%
Jul-22	29	141,817	845,387	29,151	8,290	286	14.0%	\$111,564	\$98,865	\$12,699	\$438	11%
<b>Total</b>	<b>1,095</b>	<b>1,350,974</b>	<b>7,855,517</b>	<b>7,174</b>	<b>148,381</b>	<b>136</b>	<b>7.3%</b>	<b>\$1,594,101</b>	<b>\$1,162,320</b>	<b>\$431,781</b>	<b>\$394</b>	<b>27%</b>

**Conclusion**

As shown in the table above, Schedule 45 has helped reduce cost for publicly available DC fast charging stations, and PacifiCorp will continue to promote Schedule 45 to eligible customers as a valuable alternative rate schedule.

Participation in Schedule 45 increased by two sites since the Company filed its previous Annual Program Report in 2021, and now totals 29 sites. Participation is still well below the 200-participant cap.

Please direct any questions about this filing to Cathie Allen at 503-813-5934.

Sincerely,

  
Shelley McCoy  
Director, Regulation