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November 9, 2018

Public Utility Commission of Oregon  
Filing Center  
201 High Street SE, Suite 100  
P.O. Box 1088  
Salem, Oregon 97301

RE: Tariff Advice No. 18-11  
Revisions to Schedule 93 – Decrease of Solar Photovoltaic Pilot Program Rider  
Percentage

Attention Filing Center:

Pursuant to Oregon Revised Statutes (“ORS”) 757.205 and 757.210 and Oregon Administrative Rules (“OAR”) 860-022-0025 and 860-022-0030, Idaho Power Company (“Idaho Power” or “Company”) herewith transmits for filing its First Revised Sheet No. 93-1 (Tariff P.U.C. No. E-27) with a requested effective date of January 1, 2019. In this filing, Idaho Power requests that the Oregon Public Utility Commission (“Commission”) authorize a decrease in the rate contained within Idaho Power’s Schedule 93, Solar Photovoltaic Pilot Program Rider (“Solar PV Rider”) from the current 1.5 percent to 0.5 percent, as well as authorize the transfer of \$5,500,000 from the Solar PV Rider account to the Energy Efficiency Rider account. Concurrent with this tariff advice, the Company has filed Tariff Advice No. 18-10, seeking authority to revise Schedule 91 to increase the Energy Efficiency Rider (“EE Rider”) rate from 3.0 percent to 4.0 percent. If tariff Advice Nos. 18-10 and 18-11 are approved as filed, customers will experience a net zero impact on bills, effective January 1, 2019. Decrease of the Solar PV Rider collection rate is requested in conjunction with the Company’s request for an accounting order authorizing Idaho Power to defer revenues collected through the Solar PV Rider and expenditures associated with the implementation and administration of the Solar Photovoltaic Pilot Program (“Pilot Program”), set forth in Schedule 88 as filed on October 18, 2018, in Docket No. UM 1975.

### **Background**

The 2009 Oregon Legislature enacted House Bill 3039 (“HB 3039”) to establish a pilot program to examine the use and effectiveness of a production-based volumetric incentive rate (“VIR”) in developing solar photovoltaic (“PV”) systems. The bill allows customers within the service areas of Portland General Electric, PacifiCorp, and Idaho Power (“the Oregon Utilities”) to be paid directly for energy produced from their solar PV systems at a rate defined by the Commission. Total pilot program capacity authorized by HB 3039 was 25 megawatts (“MW”) for the Oregon Utilities, with Idaho Power allocated 400 kilowatts (“kW”). ORS 757.365(10) provides that all prudently incurred costs associated with the Pilot Program are recoverable in rates from all customer groups by the utilities.

The Commission opened Docket Nos. AR 538 and UM 1452 in 2009 to work with the Oregon Utilities and other interested parties to establish the administrative rules and to design the pilot programs, respectively. On May 28, 2010, the Commission issued Order No. 10-200 (Docket No. AR 538) to adopt OAR Chapter 860, Division 84 – Solar Photovoltaic Programs, and Order No. 10-198 (Docket No. UM 1452) requiring the Oregon Utilities to file all tariffs and applications necessary to implement their respective solar PV pilot program. Order No. 10-198 granted Idaho Power approval to “recover 100 percent of its costs through a rider mechanism similar to its currently approved Energy Efficiency Rider.”<sup>1</sup>

Pursuant to Order No. 10-198, Idaho Power filed Tariff Advice No. 10-12 (“2010 Tariff Advice”) on June 10, 2010, seeking approval of a Solar PV Rider mechanism for Idaho Power customers in Oregon, effective July 1, 2010. Under the rider mechanism as approved on June 28, 2010, all customers are charged a separate line item, identified on the bill as the "Solar Photovoltaic Pilot Program Rider." The Solar PV Rider is equal to 1.5 percent of the sum of the monthly charges for the base rate components of their electricity bill, which include the service charge, the energy charges, the demand charges, and the basic charge.

In 2013, the Oregon Legislature passed House Bill 2893 which authorized an additional 2.5 MW of solar PV capacity to be added to the initial 25 MW, for a total pilot program capacity of 27.5 MW. At a settlement conference held on November 5, 2013, Commission Staff presented a proposal for the allocation of the additional 2.5 MW to the Oregon Utilities, with 0.055 MW (or 55 kW), of capacity allocated to Idaho Power. The Commission adopted the proposed additional 55 kW allocation to Idaho Power in Order No. 14-025, effective January 22, 2014. Idaho Power’s total 455 kW allocation was fully subscribed by April 2015.

Pilot Program enrollment occurred over approximately four years; Table 1 below summarizes the enrollment history of Idaho Power’s Pilot Program for number of projects, associated capacity, and VIR under the respective Reservation Start Dates to reach Idaho Power’s 455 kW allocation.

**Table 1 - Enrollment History**

Reservation Start Date	Number of Projects	Capacity	Volumetric Incentive Rate
July 1, 2010	9	74.6 kW	\$0.550/kWh
October 3, 2011	32	245.3 kW	\$0.317/kWh
April 1, 2013	11	72.4 kW	\$0.285/kWh
April 1, 2014	8	63.6 kW	\$0.230/kWh
	<u>60</u>	<u>455.9 kW</u>	

<sup>1</sup> Order No. 10-198, p. 21, Docket No. UM 1452.

**Current Rider Account**

Solar PV Rider funds received from the Company's Oregon customers are credited to Federal Energy Regulatory Commission Regulatory Liability Account 254.005 ("254 Account"). These funds are used to pay the Commission-approved VIR to Oregon customers participating in the Pilot Program, as well as to pay Idaho Power administrative and support costs related to the Pilot Program. The 254 Account balance is directly decreased by these expenditures.

The primary components of expenditures are: VIR, Materials, and Avoided Energy Credit:

VIR: VIR is determined by Reservation Date and is multiplied by the Eligible Generation for each month plus accrued Excess Generation as defined in Idaho Power's Schedule 88 to calculate Payable Generation.

Materials/Expenses: The majority of materials and other Pilot Program expenses are comprised of vendor payments for communications equipment installed at project sites to obtain meter data. Several of the solar PV project locations required to be installed as standard metering equipment were not adequate.

Avoided Energy Credit: Each month, Idaho Power makes an entry in its books to credit the Solar PV Rider regulatory liability account, thereby benefitting Oregon customers funding the Pilot Program. This entry is made to recognize that the generation provided by the Pilot Program supplants the need for Idaho Power to purchase energy at market prices.

Shown below in Table 2 are the Solar PV Rider account expenditures, funding, carrying charges, and balances for the three 12-month periods ending September 2016, 2017, and 2018. As this table indicates, the existing Solar PV Rider collection results in an increasing credit balance each year. With this filing, Idaho Power seeks authority to reduce the amount of collection to better match recovery with expenditures.

**Table 2 - Historical Solar PV Rider Account Balances**

	<u>Year Ending</u> <u>9/30/2016</u>	<u>Year Ending</u> <u>9/30/2017</u>	<u>Year Ending</u> <u>9/30/2018</u>
Beginning Balance	\$2,875,254	\$3,587,074	\$4,430,019
Rider Expenditures	(\$274,008)	(\$253,587)	(\$275,328)
Funding	\$740,305	\$792,262	\$810,295
Carrying Charges	\$245,523	\$304,270	\$371,666
Ending Balance	<u>\$3,587,074</u>	<u>\$4,430,019</u>	<u>\$5,336,652</u>

When the Company filed the 2010 Tariff Advice, it anticipated annual expenditures associated with the Pilot Program of approximately \$596,000 from (1) the VIR payments (about \$482,000) and (2) administrative expenses (about \$114,000). The annual VIR payment estimate assumed energy payments based on the original 400 kW of capacity (Idaho Power's original allocation), at a forecasted capacity factor of 25 percent, with full subscription at the initial volumetric incentive rate of \$0.55 per kilowatt-hour ("kWh"). Although Idaho Power planned to offer 200 kW of capacity in July 2010 and the other 200 kW in April 2011, the Company calculated

the Solar PV Rider percentage based on the original 400 kW being subscribed at the Pilot Program's onset to ensure that start-up costs would be recovered.

The annual Pilot Program administrative costs of \$114,000 were expected from the following areas within the Company: contracting, legal, regulatory, accounting, information systems, customer relations, corporate communication, delivery, and customer service. The labor portion was expected to be approximately \$111,000, well over 95 percent of the Pilot Program's total administrative costs. However, these labor costs have since been excluded from program charges because they are not incremental charges, as no new employees were hired to administer the Pilot Program.

At the time of the 2010 Tariff Advice, Oregon jurisdictional base revenues were approximately \$39.4 million. Based on the existing base revenues and the forecasted annual Pilot Program expenditures, Idaho Power calculated a Solar PV Rider of 1.5 percent. The 1.5 percent was estimated to provide funding of approximately \$591,000 for the Pilot Program.

As stated previously, the initial rate of 1.5 percent was determined assuming that the original 400 kW of capacity allocation would be online at the outset of the Pilot Program at the initial VIR of \$0.55/kwh. As shown in Table 1, this assumption did not materialize. Solar PV projects came online over the course of four years at various times and at different VIR rates approved by the Commission; approximately 84 percent of the solar PV project capacity is paid at a VIR rate less than \$0.550/kWh. Inclusion of the additional Idaho Power allocation of 0.55 kW in 2014 does not outweigh the majority of VIR payments being made at less than the original \$0.550/kWh in the initial rate determination to calculate annual funding requirements. Additionally, base revenues have increased in the Oregon jurisdiction from approximately \$39.4 million in 2010 to a forecast of \$55.4 million for the January 2019 through December 2020 period utilized for the calculation of rate impact.

### **Oregon Solar PV Rider Funding Proposal**

#### **Proposal to Decrease Solar PV Rider Percentage**

The Company proposes a decrease to the Solar PV Rider collection percentage from 1.5 percent to 0.5 percent to align funding with stabilized program expenses. Confidential Attachment 1 demonstrates that decreasing the Solar PV Rider from 1.5 percent to 0.5 percent will continue to adequately fund the Pilot Program's projected annual expenditures.

To calculate the forecast included in Confidential Attachment 1, the Company made the following assumptions to expenditures:

VIR: To calculate the estimated annual VIR payment, the Company measured monthly generation for each project from its online date and utilized the measured data to calculate an estimated monthly average generation by individual project, summed for a hypothetical year as the estimated annual average generation. That value was then multiplied by the project's respective VIR based on enrollment date, resulting in a total estimated annual VIR payment of \$281,186. The estimated annual VIR payment was then converted to a seasonal monthly amount by applying the proportion of the trailing 12-months actual VIR payments to the \$281,186 annual estimate. Attachment 2 details the calculation for the annual estimated VIR by project and

Attachment 3 demonstrates derivation of seasonal proportion based on trailing 12-month actual VIR from October 2017 through September 2018.

Materials/Expenses: The 2019-2022 forecast in Confidential Attachment 1 holds that spending constant for materials/expenses to what is projected for 2018. The 2018 projection is based on the actual spending for January through September 2018, and prior year's October through December spending as an estimate for October through December 2018.

Avoided Energy Credit: Avoided Energy Credit forecast for the Pilot Program is the forecast monthly generation from the VIR multiplied by the monthly Heavy Load price found on the "April 2018 – March 2019 Mid-Columbia Forward Price Curve" from Idaho Power's 2018 Annual Power Cost Update March Forecast (Docket No. UE 333, Line 2 of Exhibit 401 from the Direct Testimony of Nicole Blackwell). For the purposes of this filing, an average of the monthly prices from the Mid-Columbia Forward Price Curve was used and applied to the forecasted generation to determine an estimate of the Avoided Energy Credit. For the forecast years 2019-2022, the Avoided Energy Credit is \$19,112, or the estimated annual generation of 831,232 kWh from Attachment 2 multiplied by the average monthly price of \$0.02299/kwh (Attachment 4).

Concurrent with this filing, Idaho Power is submitting Advice No. 18-10, the Company's proposal to increase Schedule 91, EE Rider, from its current 3.0 percent of base rate revenues, to 4.0 percent of base rate revenues. When the proposed 1.0 percent increase in the EE Rider is combined with the proposed 1.0 percent decrease in the Solar PV Rider, there will be no net impact to customers' bills.

To satisfy OAR 860-022-0025, Idaho Power has included Attachment 5 with this filing. Attachment 5 provides a summary of the revenue impact compared to current revenue forecast for calendar year 2019. As can be seen on line 11 of Attachment 5, the overall revenue impact of this year's Solar PV Rider funding rate change is a decrease of approximately \$0.6 million or 0.96 percent overall. The Company also provides Attachment 6, EE Rider 1.0 percent increase revenue impact, and Attachment 7, EE and Solar PV Rider Net Revenue Impact, to demonstrate the combined impact of the 1.0 percent decrease to the Solar PV Rider collection percentage and concurrent filing to increase the EE Rider collection percentage by 1.0 percent, resulting in no net revenue or customer bill impact.

### **Proposal to Transfer a Portion of the Solar PV Rider Account to the Energy Efficiency Rider Account**

Idaho Power proposes to transfer \$5,500,000 of the forecasted December 31, 2018, ending regulatory liability account balance from the Solar PV Rider account to the EE Rider account to fund the current under-collected status in the EE Rider account and to mitigate the associated requested increase in the EE Rider percentage (reference Tariff Advice 18-10). Both rider mechanisms are calculated on the same base rate components and are funded by the same customer classes; therefore, no inequity or subsidization across customer classes results from this transfer request.

**Requested Accounting Treatment**

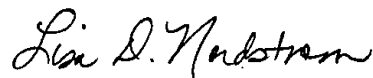
The Company proposes the following journal entry to complete the transfer:

Debit Account 254005 (Oregon Solar PV Rider) \$5,500,000  
Credit Account 254202 (Oregon EE Rider) \$5,500,000

The Company respectfully requests that the proposed accounting treatment and Schedule 93 become effective January 1, 2019. The Company's proposed Schedule 93 is enclosed with this filing.

If you have any questions regarding this filing, please contact Regulatory Analyst Paul Goralski at (208) 388-2608.

Sincerely,



Lisa D. Nordstrom  
Lead Counsel

LDN:kkt

Enclosures

SCHEDULE 93  
SOLAR PHOTOVOLTAIC PILOT PROGRAM RIDER

APPLICABILITY

This schedule is applicable to all retail Customers served under the Company's schedules and special contracts. This Solar Photovoltaic Pilot Program Rider is designed to fund the Company's expenditures for the implementation and administration of the Solar Photovoltaic Pilot Program.

MONTHLY CHARGE

The Monthly Charge is equal to the applicable Solar Photovoltaic Pilot Program Rider percentage times the sum of the monthly billed charges for the base rate components.

<u>Schedule</u>	<u>Solar Photovoltaic Pilot Program Rider</u>	
1	0.5%	(R)   (R)
7	0.5%	
9	0.5%	
15	0.5%	
19	0.5%	
24	0.5%	
40	0.5%	
41	0.5%	
42	0.5%	

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**CONFIDENTIAL**  
**ATTACHMENT 1**



**ATTACHMENT 1  
IS CONFIDENTIAL  
AND WILL BE PROVIDED  
VIA US MAIL**

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 2**

**IDAHO POWER COMPANY**  
**Estimated Annual Variable Incentive Rate**

Line	OSPV Projects Internal ID	Enrollment Date	Operation Date	System Size Cap kWac	Estimated Generation kWh	VIR \$ per kWh	VIR Pmt \$	AEC \$/kwh	Average AEC:
									0.02299
1	90000006	7/1/2010	12/3/2010	8.36	14,627	\$0.550	\$8,045	336.28	
2	90000002	7/1/2010	12/17/2010	8.33	14,191	\$0.550	\$7,805	326.26	
3	90000005	7/1/2010	2/8/2011	8.16	13,569	\$0.550	\$7,463	311.94	
4	90000028	7/1/2010	3/2/2011	8.33	14,430	\$0.550	\$7,936	331.74	
5	90000001	7/1/2010	4/13/2011	8.41	18,044	\$0.550	\$9,924	414.83	
6	90000025	7/1/2010	5/18/2011	8.33	15,300	\$0.550	\$8,415	351.75	
7	90000007	7/1/2010	5/25/2011	8.16	19,326	\$0.550	\$10,629	444.31	
8	90000003	7/1/2010	6/1/2011	8.16	14,514	\$0.550	\$7,983	333.68	
9	90000004	7/1/2010	6/27/2011	8.33	9,636	\$0.550	\$5,300	221.54	
10	90000061	10/3/2011	5/3/2012	8.33	14,643	\$0.317	\$4,642	336.63	
11	90000073	10/3/2011	5/3/2012	7.34	13,296	\$0.317	\$4,215	305.67	
12	90000088	10/3/2011	5/3/2012	6.55	12,045	\$0.317	\$3,818	276.91	
13	90000043	10/3/2011	5/21/2012	7.99	14,540	\$0.317	\$4,609	334.27	
14	90000045	10/3/2011	5/21/2012	7.99	18,026	\$0.317	\$5,714	414.42	
15	90000047	10/3/2011	5/21/2012	7.99	17,893	\$0.317	\$5,672	411.37	
16	90000048	10/3/2011	5/21/2012	7.99	18,165	\$0.317	\$5,758	417.61	
17	90000050	10/3/2011	5/21/2012	7.99	16,517	\$0.317	\$5,236	379.73	
18	90000054	10/3/2011	5/21/2012	7.99	17,852	\$0.317	\$5,659	410.42	
19	90000056	10/3/2011	5/21/2012	7.99	17,867	\$0.317	\$5,664	410.75	
20	90000060	10/3/2011	5/21/2012	7.99	18,385	\$0.317	\$5,828	422.68	
21	90000044	10/3/2011	5/30/2012	7.99	17,593	\$0.317	\$5,577	404.46	
22	90000046	10/3/2011	5/30/2012	7.99	16,644	\$0.317	\$5,276	382.65	
23	90000052	10/3/2011	5/30/2012	7.99	17,252	\$0.317	\$5,469	396.63	
24	90000057	10/3/2011	5/30/2012	7.99	17,801	\$0.317	\$5,643	409.25	
25	90000076	10/3/2011	5/30/2012	7.99	18,110	\$0.317	\$5,741	416.34	
26	90000067	10/3/2011	8/23/2012	7.62	13,137	\$0.317	\$4,164	302.02	
27	90000081	10/3/2011	10/1/2012	2.34	4,311	\$0.317	\$1,367	99.11	
28	90000075	10/3/2011	10/4/2012	3.19	5,149	\$0.317	\$1,632	118.36	
29	90000055	10/3/2011	10/15/2012	8.16	10,124	\$0.317	\$3,209	232.76	
30	90000059	10/3/2011	10/15/2012	8.16	5,772	\$0.317	\$1,830	132.69	
31	90000063	10/3/2011	10/15/2012	8.16	13,993	\$0.317	\$4,436	321.71	
32	90000080	10/3/2011	10/15/2012	8.16	13,025	\$0.317	\$4,129	299.44	
33	90000084	10/3/2011	10/15/2012	8.16	17,448	\$0.317	\$5,531	401.13	
34	90000086	10/3/2011	10/15/2012	8.16	15,002	\$0.317	\$4,756	344.90	
35	90000051	10/3/2011	10/18/2012	8.16	14,645	\$0.317	\$4,642	336.68	
36	90000062	10/3/2011	10/18/2012	8.16	10,672	\$0.317	\$3,383	245.35	
37	90000064	10/3/2011	10/18/2012	8.16	12,752	\$0.317	\$4,042	293.16	
38	90000072	10/3/2011	10/18/2012	8.16	12,763	\$0.317	\$4,046	293.42	
39	90000077	10/3/2011	10/18/2012	8.16	17,722	\$0.317	\$5,618	407.44	
40	90000078	10/3/2011	10/18/2012	8.16	11,679	\$0.317	\$3,702	268.50	

**IDAHO POWER COMPANY**  
**Estimated Annual Variable Incentive Rate**

Line	OSPV Projects Internal ID	Enrollment Date	Operation Date	System Size Cap kWac	Estimated Generation kWh	VIR \$ per kWh	VIR Pmt \$	AEC \$/kwh	Average AEC: 0.02299
41	90000079	10/3/2011	10/18/2012	8.16	15,434	\$0.317	\$4,893	354.83	
42	90001309	4/1/2013	8/28/2013	8.50	15,310	\$0.285	\$4,363	351.97	
43	90001311	4/1/2013	10/14/2013	6.07	11,014	\$0.285	\$3,139	253.21	
44	90001301	4/1/2013	12/18/2013	2.34	4,236	\$0.285	\$1,207	97.38	
45	90001302	4/1/2013	12/18/2013	8.50	18,985	\$0.285	\$5,411	436.47	
46	90001307	4/1/2013	12/18/2013	1.70	3,046	\$0.285	\$868	70.02	
47	90001310	4/1/2013	12/26/2013	8.50	19,235	\$0.285	\$5,482	442.21	
48	90001312	4/1/2013	2/10/2014	8.50	14,361	\$0.285	\$4,093	330.17	
49	90001303	4/1/2013	3/31/2014	6.38	11,193	\$0.285	\$3,190	257.32	
50	90001306	4/1/2013	10/16/2014	8.42	8,906	\$0.285	\$2,538	204.74	
51	90001313	4/1/2013	10/16/2014	8.42	17,821	\$0.285	\$5,079	409.70	
52	90001315	4/1/2013	10/16/2014	5.10	6,352	\$0.285	\$1,810	146.04	
53	90001414	4/1/2014	10/29/2014	8.50	15,566	\$0.230	\$3,580	357.87	
54	90001413	4/1/2014	1/16/2015	8.26	13,776	\$0.230	\$3,168	316.70	
55	90001416	4/1/2014	1/16/2015	8.26	13,979	\$0.230	\$3,215	321.37	
56	90001410	4/1/2014	4/7/2015	8.50	13,813	\$0.230	\$3,177	317.56	
57	90001411	4/1/2014	4/7/2015	8.50	15,176	\$0.230	\$3,490	348.89	
58	90001412	4/1/2014	4/7/2015	4.68	8,159	\$0.230	\$1,877	187.58	
59	90001415	4/1/2014	4/7/2015	8.50	14,865	\$0.230	\$3,419	341.74	
60	90001417	4/1/2014	4/15/2015	8.42	11,639	\$0.230	\$2,677	267.57	
61			Total:	455.9	831,323		\$281,186	\$19,112	

2018 VIR Payment & AEC Proportion

63	January	2.41%	\$ 6,767	\$ 460
64	February	3.16%	\$ 8,892	\$ 604
65	March	4.79%	\$ 13,468	\$ 915
66	April	5.74%	\$ 16,138	\$ 1,097
67	May	12.70%	\$ 35,720	\$ 2,428
68	June	13.61%	\$ 38,265	\$ 2,601
69	July	11.03%	\$ 31,004	\$ 2,107
70	August	10.88%	\$ 30,580	\$ 2,078
71	September	13.27%	\$ 37,303	\$ 2,535
72	October	12.55%	\$ 35,281	\$ 2,398
73	November	6.71%	\$ 18,854	\$ 1,282
74	December	3.17%	\$ 8,914	\$ 606
75		100.00%	\$ 281,186	\$ 19,112

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 3**

**IDAHO POWER COMPANY**  
**Calculation of Seasonal VIR Payment**

Line

		<u>Oct-17</u>	<u>Nov-17</u>	<u>Dec-17</u>	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>	<u>May-18</u>	<u>Jun-18</u>	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Trailing 12-</u> <u>months</u>
1														
2	Actual Volumetric Incentive Payment \$	32,577	\$ 17,409	\$ 8,231	\$ 6,248	\$ 8,211	\$ 12,435	\$ 14,901	\$ 32,982	\$ 35,332	\$ 28,627	\$ 28,236	\$ 34,444	\$ 259,632
3	Percentage of Trailing 12-months	12.55%	6.71%	3.17%	2.41%	3.16%	4.79%	5.74%	12.70%	13.61%	11.03%	10.88%	13.27%	100%

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 4**

**IDAHO POWER COMPANY**  
**Mid-Columbia Heavy Load and Light Load Daily Forward Curves**  
**Used to Re-Price Purchased Power (PP) and Surplus Sales (SS) for the March Forecast**

<b>Mid-Columbia Forward</b>														
<u>Line</u>	<b>Price Curve on:</b>	<b>Apr-18</b>	<b>May-18</b>	<b>Jun-18</b>	<b>Jul-18</b>	<b>Aug-18</b>	<b>Sep-18</b>	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Monthly Average:</b>
1	<b>3/12/2018</b>													<b>22.99 per MWh</b>
2	<b>mc HL</b>	16.00	12.45	13.75	27.00	34.00	28.25	23.65	21.85	29.10	27.40	23.45	19.00	<b>0.02299 per kWh</b>
3	<b>mc LL</b>	11.10	3.95	3.15	14.15	22.75	22.00	20.30	18.75	24.00	21.80	20.10	15.90	
4	<b>Reallocated Prices</b>	<b>Apr-18</b>	<b>May-18</b>	<b>Jun-18</b>	<b>Jul-18</b>	<b>Aug-18</b>	<b>Sep-18</b>	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>	<b>Jan-19</b>	<b>Feb-19</b>	<b>Mar-19</b>	
5	<b>HL PP</b>													
6	103.9%	16.62	12.94	14.29	28.05	35.33	29.35	24.57	22.70	30.23	28.47	24.36	19.74	
7	<b>LL PP</b>													
8	107.1%	11.89	4.23	3.37	15.15	24.37	23.56	21.74	20.08	25.70	23.35	21.53	17.03	
9	<b>HL SS</b>													
10	96.4%	15.42	12.00	13.26	26.03	32.78	27.23	22.80	21.06	28.05	26.41	22.61	18.32	
11	<b>LL SS</b>													
12	93.4%	10.37	3.69	2.94	13.22	21.25	20.55	18.96	17.51	22.42	20.36	18.77	14.85	



**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 5**

**Idaho Power Company  
Calculation of Revenue Impact  
State of Oregon  
Solar Photovoltaic Pilot Program Rider  
Effective January 1, 2019**

**Summary of Revenue Impact  
Current Billed Revenue to Proposed Billed Revenue**

Line No	Tariff Description	Rate Sch. No.	Average Number of Customers	Normalized Energy (kWh)	Current Billed Revenue	Mills Per kWh	Total Adjustments to Billed Revenue	Proposed Total Billed Revenue	Mills Per kWh	Percent Change Billed to Billed Revenue
<u>Uniform Tariff Rates:</u>										
1	Residential Service	1	13,373	182,789,534	\$18,764,590	102.66	(\$180,112)	\$18,584,478	101.67	(0.96%)
2	Small General Service	7	2,586	18,883,871	\$2,131,423	112.87	(\$20,510)	\$2,110,913	111.78	(0.96%)
3	Large General Service	9	940	137,813,951	\$11,449,742	83.08	(\$110,395)	\$11,339,347	82.28	(0.96%)
4	Dusk to Dawn Lighting	15	0	434,123	\$113,242	260.85	(\$1,086)	\$112,156	258.35	(0.96%)
5	Large Power Service	19	7	272,239,791	\$17,881,830	65.68	(\$172,691)	\$17,709,139	65.05	(0.97%)
6	Agricultural Irrigation Service	24	2,013	66,516,774	\$6,997,283	105.20	(\$67,361)	\$6,929,922	104.18	(0.96%)
7	Unmetered General Service	40	2	5,388	\$410	76.04	(\$4)	\$406	75.31	(0.96%)
8	Street Lighting	41	26	902,945	\$151,736	168.05	(\$1,457)	\$150,278	166.43	(0.96%)
9	Traffic Control Lighting	42	8	22,688	\$2,288	100.85	(\$22)	\$2,266	99.88	(0.96%)
10	Total Uniform Tariffs		18,955	679,609,065	\$57,492,543	84.60	(\$553,638)	\$56,938,905	83.78	(0.96%)
11	Total Oregon Retail Sales		18,955	679,609,065	\$57,492,543	84.60	(\$553,638)	\$56,938,905	83.78	(0.96%)

(1) Updated Jan 2019-Dec 2020 Test Year

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 6**

**Idaho Power Company  
Calculation of Revenue Impact  
State of Oregon  
Energy Efficiency Rider  
Effective January 1, 2019**

**Summary of Revenue Impact  
Current Billed Revenue to Proposed Billed Revenue**

Line No	Tariff Description	Rate Sch. No.	Average Number of Customers	Normalized Energy (kWh)	Current Billed Revenue	Mills Per kWh	Total Adjustments to Billed Revenue	Proposed Total Billed Revenue	Mills Per kWh	Percent Change Billed to Billed Revenue
<u>Uniform Tariff Rates:</u>										
1	Residential Service	1	13,373	182,789,534	\$18,764,590	102.66	\$180,112	\$18,944,701	103.64	0.96%
2	Small General Service	7	2,586	18,883,871	\$2,131,423	112.87	\$20,510	\$2,151,934	113.96	0.96%
3	Large General Service	9	940	137,813,951	\$11,449,742	83.08	\$110,395	\$11,560,136	83.88	0.96%
4	Dusk to Dawn Lighting	15	0	434,123	\$113,242	260.85	\$1,086	\$114,328	263.35	0.96%
5	Large Power Service	19	7	272,239,791	\$17,881,830	65.68	\$172,691	\$18,054,521	66.32	0.97%
6	Agricultural Irrigation Service	24	2,013	66,516,774	\$6,997,283	105.20	\$67,361	\$7,064,645	106.21	0.96%
7	Unmetered General Service	40	2	5,388	\$410	76.04	\$4	\$414	76.77	0.96%
8	Street Lighting	41	26	902,945	\$151,736	168.05	\$1,457	\$153,193	169.66	0.96%
9	Traffic Control Lighting	42	8	22,688	\$2,288	100.85	\$22	\$2,310	101.82	0.96%
10	Total Uniform Tariffs		18,955	679,609,065	\$57,492,543	84.60	\$553,638	\$58,046,182	85.41	0.96%
11	Total Oregon Retail Sales		18,955	679,609,065	\$57,492,543	84.60	\$553,638	\$58,046,182	85.41	0.96%

(1) Updated Jan 2019-Dec 2020 Test Year

**IDAHO POWER COMPANY**

**Advice No. 18-11**

**Schedule 93  
Solar Photovoltaic  
Pilot Program Rider**

**ATTACHMENT 7**

**Idaho Power Company**  
**Calculation of Revenue Impact**  
**State of Oregon**  
**Energy Efficiency & Solar Photovoltaic Pilot Program Rider**  
**Effective January 1, 2019**

**Summary of Revenue Impact**  
**Current Billed Revenue to Proposed Billed Revenue**

Line No	Tariff Description	Rate Sch. No.	Average Number of Customers	Normalized Energy (kWh)	Current Billed Revenue	Mills Per kWh	Total Adjustments to Billed Revenue	Proposed Total Billed Revenue	Mills Per kWh	Percent Change Billed to Billed Revenue
<u>Uniform Tariff Rates:</u>										
1	Residential Service	1	13,373	182,789,534	\$18,764,590	102.66	\$0	\$18,764,590	102.66	0.00%
2	Small General Service	7	2,586	18,883,871	\$2,131,423	112.87	\$0	\$2,131,423	112.87	0.00%
3	Large General Service	9	940	137,813,951	\$11,449,742	83.08	\$0	\$11,449,742	83.08	0.00%
4	Dusk to Dawn Lighting	15	0	434,123	\$113,242	260.85	\$0	\$113,242	260.85	0.00%
5	Large Power Service	19	7	272,239,791	\$17,881,830	65.68	\$0	\$17,881,830	65.68	0.00%
6	Agricultural Irrigation Service	24	2,013	66,516,774	\$6,997,283	105.20	\$0	\$6,997,283	105.20	0.00%
7	Unmetered General Service	40	2	5,388	\$410	76.04	\$0	\$410	76.04	0.00%
8	Street Lighting	41	26	902,945	\$151,736	168.05	\$0	\$151,736	168.05	0.00%
9	Traffic Control Lighting	42	8	22,688	\$2,288	100.85	\$0	\$2,288	100.85	0.00%
10	Total Uniform Tariffs		18,955	679,609,065	\$57,492,543	84.60	\$0	\$57,492,543	84.60	0.00%
11	Total Oregon Retail Sales		18,955	679,609,065	\$57,492,543	84.60	\$0	\$57,492,543	84.60	0.00%