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July 21, 2017

VIA ELECTRONIC FILING

Attention: Filing Center
Public Utility Commission of Oregon
201 High Street SE, Suite 100
P.O. Box 1088
Salem, Oregon 97308-1088

Re: Docket No. UM 1793
Idaho Power Company's Update of Avoided Cost Rates – Schedule 85,
Cogeneration and Small Power Production Standard Contract Rates

Dear Filing Center:

In compliance with ORS 757.205, ORS 758.525, and Order Nos. 17-075 and 17-223 of Docket No. UM 1793, Idaho Power Company (“Idaho Power” or “Company”) hereby submits for filing its revised Schedule 85, Cogeneration and Small Power Production Standard Contract Rates, Sheet Nos. 85-6 through 85-8, in both clean and redlined formats.

The Company's filing includes updates to Idaho Power's standard avoided cost schedule (Schedule 85) to reflect solar and wind integration charges, as directed by Order No. 17-075. Order No. 17-075 states, “Idaho Power shall file revisions to Schedule 85 Integration charges for both solar and wind generation shall be listed separately in the schedule and made readily identifiable.”¹

In compliance with Order No. 17-075, which states, “Such revisions [to Schedule 85] shall become effective when filed . . . ,”² the Company submits its revised Schedule 85 with an effective date of July 21, 2017.

¹ Order No. 17-075 at 5.

² *Id.*

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Tenth Revised Sheet No. 85-6	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates
Seventh Revised Sheet No. 85-7	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates
Sixth Revised Sheet No. 85-8	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates

In addition, the workpapers used to prepare this filing have been filed with the Public Utility Commission of Oregon at the following electronic address: puc.workpapers@state.or.us.

If you have any questions, please do not hesitate to contact Michael Youngblood at (208) 388-2882 or Donovan E. Walker at (208) 388-5317.

Sincerely,



Lisa F. Rackner

LFR:csb
Attachments

SCHEDULE 85
COGENERATION AND SMALL POWER
PRODUCTION STANDARD
CONTRACT RATES
 (Continued)

AVOIDED COST PRICE
Standard Avoided Cost Prices for Baseload QF

Year	On-Peak	Off-Peak
	\$/MWh	\$/MWh
	(a)	(b)
2017	\$23.75	\$16.11
2018	\$25.17	\$19.00
2019	\$24.60	\$18.11
2020	\$26.51	\$20.45
2021	\$28.08	\$22.87
2022	\$30.07	\$23.93
2023	\$31.14	\$24.92
2024	\$52.37	\$33.46
2025	\$54.25	\$34.92
2026	\$56.44	\$36.69
2027	\$58.78	\$38.59
2028	\$61.62	\$40.99
2029	\$63.08	\$41.99
2030	\$63.35	\$41.80
2031	\$63.08	\$41.06
2032	\$63.79	\$41.28
2033	\$64.90	\$41.90
2034	\$66.27	\$42.76
2035	\$67.55	\$43.52
2036	\$68.71	\$44.15
2037	\$69.85	\$44.75
2038	\$71.45	\$45.80
2039	\$73.13	\$46.92
2040	\$74.14	\$47.35
2041	\$74.92	\$47.54

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Baseload resource. 2017–2023 On-peak Market Prices
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT. 2017-2023 Off-Peak Market Prices.

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SCHEDULE 85
COGENERATION AND SMALL POWER
PRODUCTION STANDARD
CONTRACT RATES
(Continued)

Standard Avoided Cost Prices with Integration Charges for a Wind QF

Year	On-Peak	Off-Peak	Wind	On-Peak	Off-Peak
	(\$/MWh)	\$/MWh	Integration Charge	With Integration Charge	with Integration Charge
	(a)	(b)	(c)	(d)	(e)
				(a) – (c)	(b) – (c)
2017	\$23.75	\$16.11	\$17.00	\$6.75	(\$0.89)
2018	\$25.17	\$19.00	\$17.51	\$7.66	\$1.49
2019	\$24.60	\$18.11	\$18.03	\$6.57	\$0.08
2020	\$26.51	\$20.45	\$18.57	\$7.94	\$1.88
2021	\$28.08	\$22.87	\$19.13	\$8.95	\$3.74
2022	\$30.07	\$23.93	\$19.70	\$10.37	\$4.23
2023	\$31.14	\$24.92	\$20.29	\$10.85	\$4.63
2024	\$36.94	\$33.46	\$20.90	\$16.04	\$12.56
2025	\$38.55	\$34.92	\$21.53	\$17.02	\$13.39
2026	\$40.32	\$36.69	\$22.18	\$18.14	\$14.51
2027	\$42.30	\$38.59	\$22.84	\$19.46	\$15.75
2028	\$44.78	\$40.99	\$23.53	\$21.25	\$17.46
2029	\$45.87	\$41.99	\$24.23	\$21.64	\$17.76
2030	\$45.76	\$41.80	\$24.96	\$20.80	\$16.84
2031	\$45.11	\$41.06	\$25.71	\$19.40	\$15.35
2032	\$45.42	\$41.28	\$26.48	\$18.94	\$14.80
2033	\$46.13	\$41.90	\$27.27	\$18.86	\$14.63
2034	\$47.08	\$42.76	\$28.09	\$18.99	\$14.67
2035	\$47.94	\$43.52	\$28.93	\$19.01	\$14.59
2036	\$48.67	\$44.15	\$29.80	\$18.87	\$14.35
2037	\$49.37	\$44.75	\$30.70	\$18.67	\$14.05
2038	\$50.52	\$45.80	\$31.62	\$18.90	\$14.18
2039	\$51.74	\$46.92	\$32.57	\$19.17	\$14.35
2040	\$52.28	\$47.35	\$33.54	\$18.74	\$13.81
2041	\$52.58	\$47.54	\$34.55	\$18.03	\$12.99

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Wind resource
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT
- (c) Wind Integration Charges based on current penetration level of 701-800 MW. The Integration Charge will be updated when the next penetration level is reached.
- (d) 2017 - 2023 On-Peak Market Prices
- (e) 2017 - 2023 Off-Peak Market Prices

SCHEDULE 85
COGENERATION AND SMALL POWER
PRODUCTION STANDARD
CONTRACT RATES
(Continued)

Standard Avoided Cost Prices with Integration Charges for a PV Solar QF

(N)

Year	On-Peak	Off-Peak	PV Solar Integration Charge	On-Peak with Integration Charge	Off-Peak with Integration Charge
	(\$/MWh)	\$/MWh	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d) (a) – (c)	(e) (b) – (c)
2017	\$23.75	\$16.11	\$0.55	\$23.20	\$15.56
2018	\$25.17	\$19.00	\$0.56	\$24.61	\$18.44
2019	\$24.60	\$18.11	\$0.57	\$24.03	\$17.54
2020	\$26.51	\$20.45	\$0.59	\$25.92	\$19.86
2021	\$28.08	\$22.87	\$0.60	\$27.48	\$22.27
2022	\$30.07	\$23.93	\$0.61	\$29.46	\$23.32
2023	\$31.14	\$24.92	\$0.63	\$30.51	\$24.29
2024	\$56.91	\$33.46	\$0.64	\$56.27	\$32.82
2025	\$58.88	\$34.92	\$0.66	\$58.22	\$34.26
2026	\$61.18	\$36.69	\$0.67	\$60.51	\$36.02
2027	\$63.62	\$38.59	\$0.68	\$62.94	\$37.91
2028	\$66.56	\$40.99	\$0.70	\$65.86	\$40.29
2029	\$68.13	\$41.99	\$0.71	\$67.42	\$41.28
2030	\$68.52	\$41.80	\$0.73	\$67.79	\$41.07
2031	\$68.36	\$41.06	\$0.75	\$67.61	\$40.31
2032	\$69.18	\$41.28	\$0.76	\$68.42	\$40.52
2033	\$70.42	\$41.90	\$0.78	\$69.64	\$41.12
2034	\$71.90	\$42.76	\$0.80	\$71.10	\$41.96
2035	\$73.31	\$43.52	\$0.81	\$72.50	\$42.71
2036	\$74.59	\$44.15	\$0.83	\$73.76	\$43.32
2037	\$75.86	\$44.75	\$0.85	\$75.01	\$43.90
2038	\$77.60	\$45.80	\$0.87	\$76.73	\$44.93
2039	\$79.41	\$46.92	\$0.89	\$78.52	\$46.03
2040	\$80.56	\$47.35	\$0.91	\$79.65	\$46.44
2041	\$81.48	\$47.54	\$0.93	\$80.55	\$46.61

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Fixed PV Utility Solar resource
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT
- (c) Solar Integration Charges based on current penetration level of 301-400 MW. The Integration Charge will be updated when the next penetration level is reached.
- (d) 2017 - 2023 On-Peak Market Prices
- (e) 2017 - 2023 Off-Peak Market Prices

(N)

SCHEDULE 85
COGENERATION AND SMALL POWER
PRODUCTION STANDARD
CONTRACT RATES
(Continued)

AVOIDED COST PRICE
Standard Avoided Cost Prices for Baseload QF

Deliveries During Calendar Year	Baseload QF		Wind QF		PV Solar QF	
	On- Peak Energy Price	Off- Peak Energy Price	On- Peak Energy Price	Off- Peak Energy Price	On-Peak Energy Price	Off-Peak Energy Price
	\$/MWh	\$/MWh	\$/MWh	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)	(f)
2017	\$23.75	\$16.11	\$6.75	(\$0.89)	\$23.75	\$16.11
2018	\$25.17	\$19.00	\$7.66	\$1.49	\$25.17	\$19.00
2019	\$24.60	\$18.11	\$6.57	\$0.08	\$24.60	\$18.11
2020	\$26.51	\$20.45	\$7.94	\$1.88	\$26.51	\$20.45
2021	\$28.08	\$22.87	\$8.95	\$3.74	\$28.08	\$22.87
2022	\$30.07	\$23.93	\$10.37	\$4.23	\$30.07	\$23.93
2023	\$31.14	\$24.92	\$10.85	\$4.63	\$31.14	\$24.92
2024	\$52.37	\$33.46	\$16.04	\$12.56	\$56.91	\$33.46
2025	\$54.25	\$34.92	\$17.02	\$13.39	\$58.88	\$34.92
2026	\$56.44	\$36.69	\$18.14	\$14.51	\$61.18	\$36.69
2027	\$58.78	\$38.59	\$19.46	\$15.75	\$63.62	\$38.59
2028	\$61.62	\$40.99	\$21.25	\$17.46	\$66.56	\$40.99
2029	\$63.08	\$41.99	\$21.64	\$17.76	\$68.13	\$41.99
2030	\$63.35	\$41.80	\$20.80	\$16.84	\$68.52	\$41.80
2031	\$63.08	\$41.06	\$19.40	\$15.35	\$68.36	\$41.06
2032	\$63.79	\$41.28	\$18.94	\$14.80	\$69.18	\$41.28
2033	\$64.90	\$41.90	\$18.86	\$14.63	\$70.42	\$41.90
2034	\$66.27	\$42.76	\$18.99	\$14.67	\$71.90	\$42.76
2035	\$67.55	\$43.52	\$19.01	\$14.59	\$73.31	\$43.52
2036	\$68.71	\$44.15	\$18.87	\$14.35	\$74.59	\$44.15
2037	\$69.85	\$44.75	\$18.67	\$14.05	\$75.86	\$44.75
2038	\$71.45	\$45.80	\$18.90	\$14.18	\$77.60	\$45.80
2039	\$73.13	\$46.92	\$19.17	\$14.35	\$79.41	\$46.92
2040	\$74.14	\$47.35	\$18.73	\$13.80	\$80.56	\$47.35
2041	\$74.92	\$47.54	\$18.03	\$12.99	\$81.48	\$47.54

Year	On-Peak	Off-Peak
	\$/MWh	\$/MWh
	(a)	(b)

2017	\$23.75	\$16.11
2018	\$25.17	\$19.00
2019	\$24.60	\$18.11

<u>2020</u>	<u>\$26.51</u>	<u>\$20.45</u>
<u>2021</u>	<u>\$28.08</u>	<u>\$22.87</u>
<u>2022</u>	<u>\$30.07</u>	<u>\$23.93</u>
<u>2023</u>	<u>\$31.14</u>	<u>\$24.92</u>
<u>2024</u>	<u>\$52.37</u>	<u>\$33.46</u>
<u>2025</u>	<u>\$54.25</u>	<u>\$34.92</u>
<u>2026</u>	<u>\$56.44</u>	<u>\$36.69</u>
<u>2027</u>	<u>\$58.78</u>	<u>\$38.59</u>
<u>2028</u>	<u>\$61.62</u>	<u>\$40.99</u>
<u>2029</u>	<u>\$63.08</u>	<u>\$41.99</u>
<u>2030</u>	<u>\$63.35</u>	<u>\$41.80</u>
<u>2031</u>	<u>\$63.08</u>	<u>\$41.06</u>
<u>2032</u>	<u>\$63.79</u>	<u>\$41.28</u>
<u>2033</u>	<u>\$64.90</u>	<u>\$41.90</u>
<u>2034</u>	<u>\$66.27</u>	<u>\$42.76</u>
<u>2035</u>	<u>\$67.55</u>	<u>\$43.52</u>
<u>2036</u>	<u>\$68.71</u>	<u>\$44.15</u>
<u>2037</u>	<u>\$69.85</u>	<u>\$44.75</u>
<u>2038</u>	<u>\$71.45</u>	<u>\$45.80</u>
<u>2039</u>	<u>\$73.13</u>	<u>\$46.92</u>
<u>2040</u>	<u>\$74.14</u>	<u>\$47.35</u>
<u>2041</u>	<u>\$74.92</u>	<u>\$47.54</u>

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Baseload resource. 2017–2023 On-peak Market Prices
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT. 2017-2023 Off-Peak Market Prices.

SCHEDULE 85
 COGENERATION AND SMALL POWER
 PRODUCTION STANDARD
 CONTRACT RATES
 (Continued)

(N)

Standard Avoided Cost Prices with Integration Charges for a Wind QF

Year	On-Peak	Off-Peak	Wind	On-Peak	Off-Peak
	(\$/MWh)	\$/MWh	Integration Charge	With Integration Charge	with Integration Charge
	(a)	(b)	(c)	(d)	(e)
				(a) – (c)	(b) – (c)
2017	\$23.75	\$16.11	\$17.00	\$6.75	(\$0.89)
2018	\$25.17	\$19.00	\$17.51	\$7.66	\$1.49
2019	\$24.60	\$18.11	\$18.03	\$6.57	\$0.08
2020	\$26.51	\$20.45	\$18.57	\$7.94	\$1.88
2021	\$28.08	\$22.87	\$19.13	\$8.95	\$3.74
2022	\$30.07	\$23.93	\$19.70	\$10.37	\$4.23
2023	\$31.14	\$24.92	\$20.29	\$10.85	\$4.63
2024	\$36.94	\$33.46	\$20.90	\$16.04	\$12.56
2025	\$38.55	\$34.92	\$21.53	\$17.02	\$13.39
2026	\$40.32	\$36.69	\$22.18	\$18.14	\$14.51
2027	\$42.30	\$38.59	\$22.84	\$19.46	\$15.75
2028	\$44.78	\$40.99	\$23.53	\$21.25	\$17.46
2029	\$45.87	\$41.99	\$24.23	\$21.64	\$17.76
2030	\$45.76	\$41.80	\$24.96	\$20.80	\$16.84
2031	\$45.11	\$41.06	\$25.71	\$19.40	\$15.35
2032	\$45.42	\$41.28	\$26.48	\$18.94	\$14.80
2033	\$46.13	\$41.90	\$27.27	\$18.86	\$14.63
2034	\$47.08	\$42.76	\$28.09	\$18.99	\$14.67
2035	\$47.94	\$43.52	\$28.93	\$19.01	\$14.59
2036	\$48.67	\$44.15	\$29.80	\$18.87	\$14.35
2037	\$49.37	\$44.75	\$30.70	\$18.67	\$14.05
2038	\$50.52	\$45.80	\$31.62	\$18.90	\$14.18
2039	\$51.74	\$46.92	\$32.57	\$19.17	\$14.35
2040	\$52.28	\$47.35	\$33.54	\$18.74	\$13.81
2041	\$52.58	\$47.54	\$34.55	\$18.03	\$12.99

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Wind resource
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT
- (c) Wind Integration Charges based on current penetration level of 701-800 MW. The Integration Charge will be updated when the next penetration level is reached.
- (d) 2017 - 2023 On-Peak Market Prices
- (e) 2017 - 2023 Off-Peak Market Prices

(N)

SCHEDULE 85
 COGENERATION AND SMALL POWER
 PRODUCTION STANDARD
 CONTRACT RATES
 (Continued)

Standard Avoided Cost Prices with Integration Charges for a PV Solar QF

(N)

<u>Year</u>	<u>On-Peak</u> <u>(\$/MWh)</u>	<u>Off-Peak</u> <u>\$/MWh</u>	<u>PV Solar</u> <u>Integration</u> <u>Charge</u> <u>\$/MWh</u>	<u>On-Peak</u> <u>with</u> <u>Integration Charge</u> <u>\$/MWh</u>	<u>Off-Peak</u> <u>with</u> <u>Integration Charge</u> <u>\$/MWh</u>
	<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u> <u>(a) – (c)</u>	<u>(e)</u> <u>(b) – (c)</u>
<u>2017</u>	<u>\$23.75</u>	<u>\$16.11</u>	<u>\$0.55</u>	<u>\$23.20</u>	<u>\$15.56</u>
<u>2018</u>	<u>\$25.17</u>	<u>\$19.00</u>	<u>\$0.56</u>	<u>\$24.61</u>	<u>\$18.44</u>
<u>2019</u>	<u>\$24.60</u>	<u>\$18.11</u>	<u>\$0.57</u>	<u>\$24.03</u>	<u>\$17.54</u>
<u>2020</u>	<u>\$26.51</u>	<u>\$20.45</u>	<u>\$0.59</u>	<u>\$25.92</u>	<u>\$19.86</u>
<u>2021</u>	<u>\$28.08</u>	<u>\$22.87</u>	<u>\$0.60</u>	<u>\$27.48</u>	<u>\$22.27</u>
<u>2022</u>	<u>\$30.07</u>	<u>\$23.93</u>	<u>\$0.61</u>	<u>\$29.46</u>	<u>\$23.32</u>
<u>2023</u>	<u>\$31.14</u>	<u>\$24.92</u>	<u>\$0.63</u>	<u>\$30.51</u>	<u>\$24.29</u>
<u>2024</u>	<u>\$56.91</u>	<u>\$33.46</u>	<u>\$0.64</u>	<u>\$56.27</u>	<u>\$32.82</u>
<u>2025</u>	<u>\$58.88</u>	<u>\$34.92</u>	<u>\$0.66</u>	<u>\$58.22</u>	<u>\$34.26</u>
<u>2026</u>	<u>\$61.18</u>	<u>\$36.69</u>	<u>\$0.67</u>	<u>\$60.51</u>	<u>\$36.02</u>
<u>2027</u>	<u>\$63.62</u>	<u>\$38.59</u>	<u>\$0.68</u>	<u>\$62.94</u>	<u>\$37.91</u>
<u>2028</u>	<u>\$66.56</u>	<u>\$40.99</u>	<u>\$0.70</u>	<u>\$65.86</u>	<u>\$40.29</u>
<u>2029</u>	<u>\$68.13</u>	<u>\$41.99</u>	<u>\$0.71</u>	<u>\$67.42</u>	<u>\$41.28</u>
<u>2030</u>	<u>\$68.52</u>	<u>\$41.80</u>	<u>\$0.73</u>	<u>\$67.79</u>	<u>\$41.07</u>
<u>2031</u>	<u>\$68.36</u>	<u>\$41.06</u>	<u>\$0.75</u>	<u>\$67.61</u>	<u>\$40.31</u>
<u>2032</u>	<u>\$69.18</u>	<u>\$41.28</u>	<u>\$0.76</u>	<u>\$68.42</u>	<u>\$40.52</u>
<u>2033</u>	<u>\$70.42</u>	<u>\$41.90</u>	<u>\$0.78</u>	<u>\$69.64</u>	<u>\$41.12</u>
<u>2034</u>	<u>\$71.90</u>	<u>\$42.76</u>	<u>\$0.80</u>	<u>\$71.10</u>	<u>\$41.96</u>
<u>2035</u>	<u>\$73.31</u>	<u>\$43.52</u>	<u>\$0.81</u>	<u>\$72.50</u>	<u>\$42.71</u>
<u>2036</u>	<u>\$74.59</u>	<u>\$44.15</u>	<u>\$0.83</u>	<u>\$73.76</u>	<u>\$43.32</u>
<u>2037</u>	<u>\$75.86</u>	<u>\$44.75</u>	<u>\$0.85</u>	<u>\$75.01</u>	<u>\$43.90</u>
<u>2038</u>	<u>\$77.60</u>	<u>\$45.80</u>	<u>\$0.87</u>	<u>\$76.73</u>	<u>\$44.93</u>
<u>2039</u>	<u>\$79.41</u>	<u>\$46.92</u>	<u>\$0.89</u>	<u>\$78.52</u>	<u>\$46.03</u>
<u>2040</u>	<u>\$80.56</u>	<u>\$47.35</u>	<u>\$0.91</u>	<u>\$79.65</u>	<u>\$46.44</u>
<u>2041</u>	<u>\$81.48</u>	<u>\$47.54</u>	<u>\$0.93</u>	<u>\$80.55</u>	<u>\$46.61</u>

Notes:

- (a) Value of on-peak capacity allocated to on-peak hours of a Fixed PV Utility Solar resource
- (b) Fuel and Capitalized Energy Cost of the Proxy CCCT
- (c) Solar Integration Charges based on current penetration level of 301-400 MW. The Integration Charge will be updated when the next penetration level is reached.
- (d) 2017 - 2023 On-Peak Market Prices
- (e) 2017 - 2023 Off-Peak Market Prices

(N)