

# McDowell Rackner & Gibson PC



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May 1, 2015

## VIA ELECTRONIC FILING AND U.S. MAIL

Attention: Filing Center  
Public Utility Commission of Oregon  
3930 Fairview Industrial Drive SE  
P.O. Box 1088  
Salem, Oregon 97308-1088

Re: Docket UM \_\_\_\_\_  
Idaho Power Company's Application for Approval of Annual Update of  
Avoided Cost Rates, Schedule 85

Dear Filing Center:

In compliance with ORS 757.205, ORS 758.525, and Order No. 14-058 issued in Docket UM 1610, Idaho Power Company ("Idaho Power" or "Company") hereby submits for filing the following documents: (1) Idaho Power's Application for Approval of Annual Update of Avoided Cost Rates, Schedule 85, and (2) updated pricing pages to replace existing pages in Idaho Power's Schedule 85, P.U.C. ORE. No. E-27, Cogeneration and Small Power Production Standard Contract Rates.

The Company respectfully requests an effective date of July 1, 2015.

### **Schedule 85 Cogeneration and Small Power Production Standard Contract Rates**

Fourth Revised Sheet No. 85-6	Replaces	Third Revised Sheet No. 85-6
Third Revised Sheet No. 85-7	Replaces	Second Revised Sheet No. 85-7
Second Revised Sheet No. 85-8	Replaces	First Revised Sheet No. 85-8

Idaho Power has filed two separate sets of replacement pricing pages for Schedule 85. The first set of replacement pricing pages, attached to the accompanying Application as Attachment 1, utilizes a first capacity deficit of 2016. The second set of replacement pricing pages, attached to the accompanying Application as Attachment 2,

utilizes a first capacity deficit of 2021. The Company's 2013 Integrated Resource Plan ("IRP") contains a first capacity deficit of 2016. However, as set forth in the Company's Application for Change in Resource Sufficiency Determination, filed on April 24, 2015, Docket No. UM 1725, the inclusion of more than 400 megawatts of demand response programs that were temporarily suspended in Idaho Power's 2013 IRP's capacity sufficiency determination moves the Company's first capacity deficit to July 2021. The Company seeks approval of avoided cost rates that utilize the 2021 first capacity deficit. Copies of the Application and its attachments have been served on all parties to this proceeding as indicated in the Certificate of Service.

A copy of Idaho Power's workpapers used to prepare this filing will be sent to the Filing Center.

If you have any questions, please do not hesitate to contact me at (503) 595-3925 or Donovan E. Walker at (208) 388-5317.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa F. Rackner", with a long horizontal flourish extending to the right.

Lisa F. Rackner

LFR:csb  
Enclosures

A faint, handwritten mark or signature in the bottom left corner of the page.

1                                   **BEFORE THE PUBLIC UTILITY COMMISSION**  
2                                   **OF OREGON**

3                                   **UM \_\_\_\_\_**

4 In the Matter of  
5 IDAHO POWER COMPANY,  
6  
7  
8 \_\_\_\_\_

)  
) **IDAHO POWER COMPANY'S**  
) **APPLICATION FOR APPROVAL OF**  
) **ANNUAL UPDATE OF AVOIDED COST**  
) **RATES, SCHEDULE 85**  
)  
)  
)  
)

9                                   **I. INTRODUCTION**

10           Idaho Power Company ("Idaho Power" or "Company") hereby submits this  
11 Application for Approval of Annual Update of Avoided Cost Rates, Schedule 85, in  
12 compliance with Order No. 14-058 (the "Order") issued February 24, 2014, and Errata  
13 Order No. 14-114 issued April 7, 2014. The Order directed Idaho Power to file an annual  
14 update of avoided cost rates every May 1, which will include the following four factors:

- 15                   1. Updated natural gas prices;  
16                   2. On- and off-peak forward looking electricity market prices;  
17                   3. Changes to the status of the Production Tax Credit; and  
18                   4. Any other action or change in an *acknowledged* Integrated Resource

19 Plan ("IRP") update relevant to the calculation of avoided costs.

20           Idaho Power submits revised avoided cost prices in its revised Schedule 85,  
21 Cogeneration and Small Power Production Standard Contract Rates, that conform with the  
22 Order.

23                                   **II. DISCUSSION**

24           Order No. 14-058 directed that annual updates to avoided cost rates be filed on May  
25 1 to update four factors utilized to calculate standard avoided cost rates: updated natural  
26 gas prices; on- and off-peak forward looking electricity market prices; changes to the

1 status of the Production Tax Credit; and any other action or change in an acknowledged  
2 IRP update relevant to the calculation of avoided costs. Errata Order No. 14-114 clarified  
3 that the utilities are to file rates and contracts in compliance with the Order on April 25,  
4 2014, and initiate May 1 updates in each subsequent year.

5 Idaho Power has modified its Schedule 85, Cogeneration and Small Power  
6 Production Standard Contract Rates, to account for updated natural gas prices and  
7 updated on- and off-peak forward looking electricity market prices, as directed by Order  
8 No. 14-058. Submitted with this Application is Idaho Power's revised Schedule 85 setting  
9 forth revised avoided cost rates. Idaho Power also submits workpapers, consisting of the  
10 model used to calculate the rates contained in Schedule 85. Avoided cost prices utilize  
11 inputs from Idaho Power's 2013 IRP, the Company's last acknowledged IRP, with an  
12 updated natural gas price forecast taken from the 2015 EIA Annual Energy Outlook  
13 released April 2015. This forecast reflects the most current natural gas price forecast  
14 available. In addition, Idaho Power updated its monthly market price forward curves at  
15 Mid-C as of April 28, 2015, from the Inter-Continental Exchange (ICE).

16 Idaho Power has filed two separate sets of replacement pricing pages for Schedule  
17 85. The first set of replacement pricing pages, attached as Attachment 1, utilizes a first  
18 capacity deficit of 2016. The second set of replacement pricing pages, attached as  
19 Attachment 2, utilizes a first capacity deficit of 2021. The Company's 2013 IRP contains a  
20 first capacity deficit of 2016. However, as set forth in the Company's Application for  
21 Change in Resource Sufficiency Determination, filed on April 24, 2015, Case No. UM  
22 1725, the inclusion of more than 400 megawatts of demand response programs, that were  
23 temporarily suspended in Idaho Power's 2013 IRP's capacity sufficiency determination,  
24 moves the Company's first capacity deficit to July 2021. The Company seeks approval of  
25 avoided cost rates that utilize the 2021 first capacity deficit.

26

1 Communications regarding this Application should be addressed to:

2 Lisa Rackner  
3 McDowell Rackner & Gibson PC  
4 419 SW 11th Avenue, Suite 400  
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9 **III. CONCLUSION**

10 Idaho Power respectfully requests that the Commission find that the Company's  
11 revised avoided cost price update, and revised Schedule 85, which includes a first  
12 capacity deficit of 2021 (Attachment 2), comply with Order No. 14-058 and Order No. 14-  
13 114 and approve them as filed.

14  
15 Respectfully submitted this 1<sup>st</sup> day of May 2015.

16 **IDAHO POWER COMPANY**

17 

18  
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20 McDowell Rackner & Gibson PC  
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1 **CERTIFICATE OF SERVICE**

2 **Docket No. UM 1610**

3 I hereby certify that on May 1, 2015, I served IDAHO POWER COMPANY'S  
4 APPLICATION FOR APPROVAL OF ANNUAL UPDATE OF AVOIDED COST RATES,  
5 SCHEDULE 85, upon all parties of record in Docket UM 1610, listed below, by electronic  
6 mail only as all parties have waived paper service.

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Wendy McIndoo, Office Manager



BEFORE THE PUBLIC UTILITY COMMISSION  
OF OREGON

IDAHO POWER COMPANY

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ATTACHMENT 1

Schedule 85 – Capacity Deficit of 2016

May 1, 2015

# ATTACHMENT 1

IDAHO POWER COMPANY

FOURTH REVISED SHEET NO. 85-6

CANCELS

P.U.C. ORE. NO. E-27

THIRD REVISED SHEET NO. 85-6

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

AVOIDED COST PRICE

Standard Avoided Cost Prices for Baseload QF

Year	Capacity Price	Capacity Cost Allocated to On-Peak Hours	Energy Only Price	On-Peak	Off-Peak
	\$/kW-yr	(\$/MWh)	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)
2015	Market Based Prices through 2015			\$26.16	\$20.94
2016	\$66.20	\$13.62	\$36.45	\$50.07	\$36.45
2017	\$68.19	\$14.03	\$40.23	\$54.26	\$40.23
2018	\$70.24	\$14.45	\$40.43	\$54.88	\$40.43
2019	\$72.34	\$14.88	\$43.66	\$58.54	\$43.66
2020	\$74.51	\$15.33	\$48.47	\$63.80	\$48.47
2021	\$76.75	\$15.79	\$51.14	\$66.93	\$51.14
2022	\$79.05	\$16.26	\$53.49	\$69.75	\$53.49
2023	\$81.42	\$16.75	\$56.26	\$73.01	\$56.26
2024	\$83.86	\$17.25	\$57.44	\$74.69	\$57.44
2025	\$86.37	\$17.77	\$60.86	\$78.63	\$60.86
2026	\$88.96	\$18.30	\$64.06	\$82.36	\$64.06
2027	\$91.63	\$18.85	\$65.01	\$83.86	\$65.01
2028	\$94.38	\$19.41	\$64.38	\$83.79	\$64.38
2029	\$97.22	\$20.00	\$64.65	\$84.65	\$64.65
2030	\$100.13	\$20.60	\$66.12	\$86.72	\$66.12
2031	\$103.14	\$21.21	\$68.44	\$89.65	\$68.44
2032	\$106.23	\$21.85	\$71.91	\$93.76	\$71.91
2033	\$109.41	\$22.50	\$74.97	\$97.47	\$74.97
2034	\$112.70	\$23.18	\$77.61	\$100.79	\$77.61
2035	\$116.08	\$23.88	\$81.08	\$104.96	\$81.08
2036	\$119.56	\$24.59	\$84.83	\$109.42	\$84.83
2037	\$123.15	\$25.33	\$87.40	\$112.73	\$87.40
2038	\$126.84	\$26.09	\$90.69	\$116.78	\$90.69
2039	\$130.64	\$26.87	\$94.66	\$121.53	\$94.66
2040	\$134.56	\$27.68	\$99.84	\$127.52	\$99.84

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# ATTACHMENT 1

IDAHO POWER COMPANY

THIRD REVISED SHEET NO. 85-7

CANCELS

P.U.C. ORE. NO. E-27

SECOND REVISED SHEET NO. 85-7

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

AVOIDED COST PRICE (CONTINUED)

Standard Avoided Cost Prices for Wind QF

Year	Capacity Price	Capacity Cost Allocated to On-Peak Hours	Energy Only Price	Wind Capacity Contribution	Capacity Payment On-Peak Hours	Wind Integration Charge	On-Peak	Off-Peak
	\$/kW-yr	(\$/MWh)	\$/MWh		\$/MWh	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
2015	Market Based Prices through 2015					\$6.50	\$19.66	\$14.44
2016	\$66.20	\$13.62	\$36.45	3.9%	\$0.53	\$6.50	\$30.48	\$29.95
2017	\$68.19	\$14.03	\$40.23	3.9%	\$0.55	\$6.50	\$34.28	\$33.73
2018	\$70.24	\$14.45	\$40.43	3.9%	\$0.56	\$6.50	\$34.49	\$33.93
2019	\$72.34	\$14.88	\$43.66	3.9%	\$0.58	\$6.50	\$37.74	\$37.16
2020	\$74.51	\$15.33	\$48.47	3.9%	\$0.60	\$6.50	\$42.57	\$41.97
2021	\$76.75	\$15.79	\$51.14	3.9%	\$0.62	\$6.50	\$45.26	\$44.64
2022	\$79.05	\$16.26	\$53.49	3.9%	\$0.63	\$6.50	\$47.62	\$46.99
2023	\$81.42	\$16.75	\$56.26	3.9%	\$0.65	\$6.50	\$50.41	\$49.76
2024	\$83.86	\$17.25	\$57.44	3.9%	\$0.67	\$6.50	\$51.61	\$50.94
2025	\$86.37	\$17.77	\$60.86	3.9%	\$0.69	\$6.50	\$55.05	\$54.36
2026	\$88.96	\$18.30	\$64.06	3.9%	\$0.71	\$6.50	\$58.27	\$57.56
2027	\$91.63	\$18.85	\$65.01	3.9%	\$0.74	\$6.50	\$59.25	\$58.51
2028	\$94.38	\$19.41	\$64.38	3.9%	\$0.76	\$6.50	\$58.64	\$57.88
2029	\$97.22	\$20.00	\$64.65	3.9%	\$0.78	\$6.50	\$58.93	\$58.15
2030	\$100.13	\$20.60	\$66.12	3.9%	\$0.80	\$6.50	\$60.42	\$59.62
2031	\$103.14	\$21.21	\$68.44	3.9%	\$0.83	\$6.50	\$62.77	\$61.94
2032	\$106.23	\$21.85	\$71.91	3.9%	\$0.85	\$6.50	\$66.26	\$65.41
2033	\$109.41	\$22.50	\$74.97	3.9%	\$0.88	\$6.50	\$69.35	\$68.47
2034	\$112.70	\$23.18	\$77.61	3.9%	\$0.90	\$6.50	\$72.01	\$71.11
2035	\$116.08	\$23.88	\$81.08	3.9%	\$0.93	\$6.50	\$75.51	\$74.58
2036	\$119.56	\$24.59	\$84.83	3.9%	\$0.96	\$6.50	\$79.29	\$78.33
2037	\$123.15	\$25.33	\$87.40	3.9%	\$0.99	\$6.50	\$81.89	\$80.90
2038	\$126.84	\$26.09	\$90.69	3.9%	\$1.02	\$6.50	\$85.21	\$84.19
2039	\$130.64	\$26.87	\$94.66	3.9%	\$1.05	\$6.50	\$89.21	\$88.16
2040	\$134.56	\$27.68	\$99.84	3.9%	\$1.08	\$6.50	\$94.42	\$93.34

(C)

(C)

# ATTACHMENT 1

IDAHO POWER COMPANY

SECOND REVISED SHEET NO. 85-8

CANCELS

P.U.C. ORE. NO. E-27

FIRST REVISED SHEET NO. 85-8

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

AVOIDED COST PRICE (CONTINUED)

Standard Avoided Cost Prices for PV Solar QF

Year	Capacity Price \$/kW-yr	Capacity Cost Allocated to On-Peak Hours (\$/MWh)	Energy Only Price \$/MWh	PV Solar Capacity Contribution	Capacity Payment On-Peak Hours \$/MWh	On-Peak \$/MWh	Off-Peak \$/MWh
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
2015	Market Based Prices through 2015					\$26.16	\$20.94
2016	\$66.20	\$13.62	\$36.45	32.0%	\$4.36	\$40.81	\$36.45
2017	\$68.19	\$14.03	\$40.23	32.0%	\$4.49	\$44.72	\$40.23
2018	\$70.24	\$14.45	\$40.43	32.0%	\$4.62	\$45.05	\$40.43
2019	\$72.34	\$14.88	\$43.66	32.0%	\$4.76	\$48.42	\$43.66
2020	\$74.51	\$15.33	\$48.47	32.0%	\$4.91	\$53.38	\$48.47
2021	\$76.75	\$15.79	\$51.14	32.0%	\$5.05	\$56.19	\$51.14
2022	\$79.05	\$16.26	\$53.49	32.0%	\$5.20	\$58.69	\$53.49
2023	\$81.42	\$16.75	\$56.26	32.0%	\$5.36	\$61.62	\$56.26
2024	\$83.86	\$17.25	\$57.44	32.0%	\$5.52	\$62.96	\$57.44
2025	\$86.37	\$17.77	\$60.86	32.0%	\$5.69	\$66.55	\$60.86
2026	\$88.96	\$18.30	\$64.06	32.0%	\$5.86	\$69.92	\$64.06
2027	\$91.63	\$18.85	\$65.01	32.0%	\$6.03	\$71.04	\$65.01
2028	\$94.38	\$19.41	\$64.38	32.0%	\$6.21	\$70.59	\$64.38
2029	\$97.22	\$20.00	\$64.65	32.0%	\$6.40	\$71.05	\$64.65
2030	\$100.13	\$20.60	\$66.12	32.0%	\$6.59	\$72.71	\$66.12
2031	\$103.14	\$21.21	\$68.44	32.0%	\$6.79	\$75.23	\$68.44
2032	\$106.23	\$21.85	\$71.91	32.0%	\$6.99	\$78.90	\$71.91
2033	\$109.41	\$22.50	\$74.97	32.0%	\$7.20	\$82.17	\$74.97
2034	\$112.70	\$23.18	\$77.61	32.0%	\$7.42	\$85.03	\$77.61
2035	\$116.08	\$23.88	\$81.08	32.0%	\$7.64	\$88.72	\$81.08
2036	\$119.56	\$24.59	\$84.83	32.0%	\$7.87	\$92.70	\$84.83
2037	\$123.15	\$25.33	\$87.40	32.0%	\$8.11	\$95.51	\$87.40
2038	\$126.84	\$26.09	\$90.69	32.0%	\$8.35	\$99.04	\$90.69
2039	\$130.64	\$26.87	\$94.66	32.0%	\$8.60	\$103.26	\$94.66
2040	\$134.56	\$27.68	\$99.84	32.0%	\$8.86	\$108.70	\$99.84

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BEFORE THE PUBLIC UTILITY COMMISSION  
OF OREGON

IDAHO POWER COMPANY

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ATTACHMENT 2

Schedule 85 – Capacity Deficit of 2021

May 1, 2015

## ATTACHMENT 2

IDAHO POWER COMPANY

FOURTH REVISED SHEET NO. 85-6

CANCELS

P.U.C. ORE. NO. E-27

THIRD REVISED SHEET NO. 85-6

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

AVOIDED COST PRICE

Standard Avoided Cost Prices for Baseload QF

Year	Capacity Price	Capacity Cost Allocated to On-Peak Hours	Energy Only Price	On-Peak	Off-Peak
	\$/kW-yr	(\$/MWh)	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)
2015	Market Based Prices 2015 through 2020			\$26.16	\$20.94
2016				\$27.85	\$21.63
2017				\$31.14	\$23.59
2018				\$33.58	\$24.24
2019				\$36.11	\$27.11
2020				\$38.91	\$29.06
2021	\$76.75	\$15.79	\$51.14	\$66.93	\$51.14
2022	\$79.05	\$16.26	\$53.49	\$69.75	\$53.49
2023	\$81.42	\$16.75	\$56.26	\$73.01	\$56.26
2024	\$83.86	\$17.25	\$57.44	\$74.69	\$57.44
2025	\$86.37	\$17.77	\$60.86	\$78.63	\$60.86
2026	\$88.96	\$18.30	\$64.06	\$82.36	\$64.06
2027	\$91.63	\$18.85	\$65.01	\$83.86	\$65.01
2028	\$94.38	\$19.41	\$64.38	\$83.79	\$64.38
2029	\$97.22	\$20.00	\$64.65	\$84.65	\$64.65
2030	\$100.13	\$20.60	\$66.12	\$86.72	\$66.12
2031	\$103.14	\$21.21	\$68.44	\$89.65	\$68.44
2032	\$106.23	\$21.85	\$71.91	\$93.76	\$71.91
2033	\$109.41	\$22.50	\$74.97	\$97.47	\$74.97
2034	\$112.70	\$23.18	\$77.61	\$100.79	\$77.61
2035	\$116.08	\$23.88	\$81.08	\$104.96	\$81.08
2036	\$119.56	\$24.59	\$84.83	\$109.42	\$84.83
2037	\$123.15	\$25.33	\$87.40	\$112.73	\$87.40
2038	\$126.84	\$26.09	\$90.69	\$116.78	\$90.69
2039	\$130.64	\$26.87	\$94.66	\$121.53	\$94.66
2040	\$134.56	\$27.68	\$99.84	\$127.52	\$99.84

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## ATTACHMENT 2

IDAHO POWER COMPANY

THIRD REVISED SHEET NO. 85-7

CANCELS

P.U.C. ORE. NO. E-27

SECOND REVISED SHEET NO. 85-7

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

AVOIDED COST PRICE (CONTINUED)

Standard Avoided Cost Prices for Wind QF

Year	Capacity Price \$/kW-yr	Capacity Cost Allocated to On-Peak Hours (\$/MWh)	Energy Only Price \$/MWh	Wind Capacity Contribution	Capacity Payment On-Peak Hours \$/MWh	Wind Integration Charge \$/MWh	On-Peak \$/MWh	Off-Peak \$/MWh
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
2015						\$6.50	\$19.66	\$14.44
2016						\$6.50	\$21.35	\$15.13
2017						\$6.50	\$24.64	\$17.09
2018						\$6.50	\$27.08	\$17.74
2019						\$6.50	\$29.61	\$20.61
2020						\$6.50	\$32.41	\$22.56
2021	\$76.75	\$15.79	\$51.14	3.9%	\$0.62	\$6.50	\$45.26	\$44.64
2022	\$79.05	\$16.26	\$53.49	3.9%	\$0.63	\$6.50	\$47.62	\$46.99
2023	\$81.42	\$16.75	\$56.26	3.9%	\$0.65	\$6.50	\$50.41	\$49.76
2024	\$83.86	\$17.25	\$57.44	3.9%	\$0.67	\$6.50	\$51.61	\$50.94
2025	\$86.37	\$17.77	\$60.86	3.9%	\$0.69	\$6.50	\$55.05	\$54.36
2026	\$88.96	\$18.30	\$64.06	3.9%	\$0.71	\$6.50	\$58.27	\$57.56
2027	\$91.63	\$18.85	\$65.01	3.9%	\$0.74	\$6.50	\$59.25	\$58.51
2028	\$94.38	\$19.41	\$64.38	3.9%	\$0.76	\$6.50	\$58.64	\$57.88
2029	\$97.22	\$20.00	\$64.65	3.9%	\$0.78	\$6.50	\$58.93	\$58.15
2030	\$100.13	\$20.60	\$66.12	3.9%	\$0.80	\$6.50	\$60.42	\$59.62
2031	\$103.14	\$21.21	\$68.44	3.9%	\$0.83	\$6.50	\$62.77	\$61.94
2032	\$106.23	\$21.85	\$71.91	3.9%	\$0.85	\$6.50	\$66.26	\$65.41
2033	\$109.41	\$22.50	\$74.97	3.9%	\$0.88	\$6.50	\$69.35	\$68.47
2034	\$112.70	\$23.18	\$77.61	3.9%	\$0.90	\$6.50	\$72.01	\$71.11
2035	\$116.08	\$23.88	\$81.08	3.9%	\$0.93	\$6.50	\$75.51	\$74.58
2036	\$119.56	\$24.59	\$84.83	3.9%	\$0.96	\$6.50	\$79.29	\$78.33
2037	\$123.15	\$25.33	\$87.40	3.9%	\$0.99	\$6.50	\$81.89	\$80.90
2038	\$126.84	\$26.09	\$90.69	3.9%	\$1.02	\$6.50	\$85.21	\$84.19
2039	\$130.64	\$26.87	\$94.66	3.9%	\$1.05	\$6.50	\$89.21	\$88.16
2040	\$134.56	\$27.68	\$99.84	3.9%	\$1.08	\$6.50	\$94.42	\$93.34

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## ATTACHMENT 2

IDAHO POWER COMPANY

SECOND REVISED SHEET NO. 85-8

CANCELS

P.U.C. ORE. NO. E-27

FIRST REVISED SHEET NO. 85-8

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

AVOIDED COST PRICE (CONTINUED)

Standard Avoided Cost Prices for PV Solar QF

Year	Capacity Price	Capacity Cost Allocated to On-Peak Hours	Energy Only Price	PV Solar Capacity Contribution	Capacity Payment On-Peak Hours	On-Peak	Off-Peak
	\$/kW-yr	(\$/MWh)	\$/MWh		\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
2015						\$26.16	\$20.94
2016						\$27.85	\$21.63
2017	Market Based Prices					\$31.14	\$23.59
2018	2015 through 2020					\$33.58	\$24.24
2019						\$36.11	\$27.11
2020						\$38.91	\$29.06
2021	\$76.75	\$15.79	\$51.14	32.0%	\$5.05	\$56.19	\$51.14
2022	\$79.05	\$16.26	\$53.49	32.0%	\$5.20	\$58.69	\$53.49
2023	\$81.42	\$16.75	\$56.26	32.0%	\$5.36	\$61.62	\$56.26
2024	\$83.86	\$17.25	\$57.44	32.0%	\$5.52	\$62.96	\$57.44
2025	\$86.37	\$17.77	\$60.86	32.0%	\$5.69	\$66.55	\$60.86
2026	\$88.96	\$18.30	\$64.06	32.0%	\$5.86	\$69.92	\$64.06
2027	\$91.63	\$18.85	\$65.01	32.0%	\$6.03	\$71.04	\$65.01
2028	\$94.38	\$19.41	\$64.38	32.0%	\$6.21	\$70.59	\$64.38
2029	\$97.22	\$20.00	\$64.65	32.0%	\$6.40	\$71.05	\$64.65
2030	\$100.13	\$20.60	\$66.12	32.0%	\$6.59	\$72.71	\$66.12
2031	\$103.14	\$21.21	\$68.44	32.0%	\$6.79	\$75.23	\$68.44
2032	\$106.23	\$21.85	\$71.91	32.0%	\$6.99	\$78.90	\$71.91
2033	\$109.41	\$22.50	\$74.97	32.0%	\$7.20	\$82.17	\$74.97
2034	\$112.70	\$23.18	\$77.61	32.0%	\$7.42	\$85.03	\$77.61
2035	\$116.08	\$23.88	\$81.08	32.0%	\$7.64	\$88.72	\$81.08
2036	\$119.56	\$24.59	\$84.83	32.0%	\$7.87	\$92.70	\$84.83
2037	\$123.15	\$25.33	\$87.40	32.0%	\$8.11	\$95.51	\$87.40
2038	\$126.84	\$26.09	\$90.69	32.0%	\$8.35	\$99.04	\$90.69
2039	\$130.64	\$26.87	\$94.66	32.0%	\$8.60	\$103.26	\$94.66
2040	\$134.56	\$27.68	\$99.84	32.0%	\$8.86	\$108.70	\$99.84

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