

April 28, 2023

VIA ELECTRONIC FILING

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

Re: Docket UM 1730(9)
Idaho Power Company's 2023 Annual May Update of Avoided Cost Rates –
Schedule 85, Cogeneration and Small Power Production Standard Contract Rates

Attention Filing Center:

In compliance with ORS 757.205, ORS 758.525 and Order No. 14-058 of Docket UM 1610, 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) and its standard avoided costs.

Seventeenth Revised Sheet No. 85-6	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates
Fifteenth Revised Sheet No. 85-7	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates
Fifteenth Revised Sheet No. 85-8	Schedule 85	Cogeneration and Small Power Production Standard Contract Rates

The filing updates standard avoided cost prices utilizing updated natural gas prices and updated on- and off-peak forward-looking electricity market prices, as directed by Order No. 14-058. For updated natural gas prices, Idaho Power used the most recent release of the same forecast used in Idaho Power's acknowledged 2021 Integrated Resource Plan as well as the Company's previous update to Schedule 85 standard avoided cost prices (UM 1730(8)). The updated release is the Long-term Henry Hub and Sumas Basis Annuals from S&P Global Platt's Long-term Forecast, published March 30, 2023, adjusted for transport for Idaho City Gate delivery. Idaho Power also updated on- and off-peak electric market prices, utilizing forward monthly market quoted prices at mid-Columbia from Inter-Continental Exchange as of April 11, 2023.

Filing Center
Public Utility Commission of Oregon
April 28, 2023
Page 2 of 2

The confidential workpapers used to prepare this filing have been filed with the Commission at the following electronic address: puc.workpapers@state.or.us.

If you have any questions, please do not hesitate to contact Mark Annis at (208) 388-5208 or Donovan E. Walker at (208) 388-5317.

Sincerely,

A handwritten signature in blue ink that reads "Adam Lowney". The signature is written in a cursive style with a large initial 'A'.

Adam Lowney

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)
2023	\$116.25	\$81.19
2024	\$54.14	\$38.51
2025	\$56.27	\$40.28
2026	\$59.61	\$43.25
2027	\$68.43	\$51.70
2028	\$65.45	\$48.33
2029	\$64.35	\$46.83
2030	\$63.83	\$45.91
2031	\$64.56	\$46.23
2032	\$65.90	\$47.15
2033	\$67.84	\$48.66
2034	\$71.52	\$51.89
2035	\$73.95	\$53.87
2036	\$75.23	\$54.69
2037	\$76.77	\$55.76
2038	\$78.33	\$56.84
2039	\$80.02	\$58.04
2040	\$84.31	\$61.82
2041	\$87.07	\$64.06
2042	\$88.94	\$65.40
2043	\$91.38	\$67.30
2044	\$95.93	\$71.30
2045	\$99.73	\$74.53
2046	\$102.27	\$76.49
2047	\$105.37	\$78.99

(C)

(C)

Notes:

- (a) 2023: On-peak Market Prices; 2024-2047: On-peak capacity value of the Proxy Baseload resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.

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 Integration Charge	On-Peak with Integration Charge	Off-Peak with Integration Charge
	(\$/MWh)	\$/MWh	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)
				(a)-(c)	(b)-(c)
2023	\$116.25	\$81.19	\$0.83	\$115.42	\$80.36
2024	\$44.39	\$38.51	\$0.85	\$43.54	\$37.66
2025	\$46.29	\$40.28	\$0.87	\$45.42	\$39.41
2026	\$49.40	\$43.25	\$0.89	\$48.51	\$42.36
2027	\$57.99	\$51.70	\$0.91	\$57.08	\$50.79
2028	\$54.77	\$48.33	\$0.93	\$53.84	\$47.40
2029	\$53.41	\$46.83	\$0.95	\$52.46	\$45.88
2030	\$52.65	\$45.91	\$0.97	\$51.68	\$44.94
2031	\$53.12	\$46.23	\$0.99	\$52.13	\$45.24
2032	\$54.20	\$47.15	\$1.02	\$53.18	\$46.13
2033	\$55.87	\$48.66	\$1.04	\$54.83	\$47.62
2034	\$59.27	\$51.89	\$1.06	\$58.21	\$50.83
2035	\$61.42	\$53.87	\$1.09	\$60.33	\$52.78
2036	\$62.41	\$54.69	\$1.11	\$61.30	\$53.58
2037	\$63.66	\$55.76	\$1.14	\$62.52	\$54.62
2038	\$64.92	\$56.84	\$1.16	\$63.76	\$55.68
2039	\$66.30	\$58.04	\$1.19	\$65.11	\$56.85
2040	\$70.27	\$61.82	\$1.22	\$69.05	\$60.60
2041	\$72.71	\$64.06	\$1.25	\$71.46	\$62.81
2042	\$74.25	\$65.40	\$1.28	\$72.97	\$64.12
2043	\$76.35	\$67.30	\$1.30	\$75.05	\$66.00
2044	\$80.56	\$71.30	\$1.33	\$79.23	\$69.97
2045	\$84.00	\$74.53	\$1.37	\$82.63	\$73.16
2046	\$86.18	\$76.49	\$1.40	\$84.78	\$75.09
2047	\$88.91	\$78.99	\$1.43	\$87.48	\$77.56

(C)
 (C)

Notes

- (a) 2023 On-Peak Market Prices; 2024-2047: Value of on-peak capacity allocated to on-peak hours of a Wind resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (c) Wind Integration Charges based on current penetration level of 727-1397 MW. The integration charge will be updated when the next penetration level is reached.

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

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

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)
2023	\$116.25	\$81.19	\$4.13	\$112.12	\$77.06
2024	\$42.62	\$38.51	\$4.23	\$38.39	\$34.28
2025	\$44.48	\$40.28	\$4.32	\$40.16	\$35.96
2026	\$47.55	\$43.25	\$4.42	\$43.13	\$38.83
2027	\$56.10	\$51.70	\$4.53	\$51.57	\$47.17
2028	\$52.83	\$48.33	\$4.63	\$48.20	\$43.70
2029	\$51.43	\$46.83	\$4.74	\$46.69	\$42.09
2030	\$50.62	\$45.91	\$4.85	\$45.77	\$41.06
2031	\$51.05	\$46.23	\$4.96	\$46.09	\$41.27
2032	\$52.08	\$47.15	\$5.07	\$47.01	\$42.08
2033	\$53.70	\$48.66	\$5.19	\$48.51	\$43.47
2034	\$57.05	\$51.89	\$5.31	\$51.74	\$46.58
2035	\$59.15	\$53.87	\$5.43	\$53.72	\$48.44
2036	\$60.09	\$54.69	\$5.55	\$54.54	\$49.14
2037	\$61.28	\$55.76	\$5.68	\$55.60	\$50.08
2038	\$62.49	\$56.84	\$5.81	\$56.68	\$51.03
2039	\$63.82	\$58.04	\$5.95	\$57.87	\$52.09
2040	\$67.73	\$61.82	\$6.08	\$61.65	\$55.74
2041	\$70.11	\$64.06	\$6.22	\$63.89	\$57.84
2042	\$71.59	\$65.40	\$6.37	\$65.22	\$59.03
2043	\$73.63	\$67.30	\$6.51	\$67.12	\$60.79
2044	\$77.77	\$71.30	\$6.66	\$71.11	\$64.64
2045	\$81.15	\$74.53	\$6.81	\$74.34	\$67.72
2046	\$83.27	\$76.49	\$6.97	\$76.30	\$69.52
2047	\$85.92	\$78.99	\$7.13	\$78.79	\$71.86

Notes:

- (a) 2023 On-Peak Market Prices; 2024-2047: Value of on-peak capacity allocated to on-peak hours of a PV Solar resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (c) Solar Integration Charges based on current penetration level of 562-1355 MW. The integration charge will be updated when the next penetration level is reached.

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)
2023	\$131.98 <u>116.25</u>	\$85.58 <u>81.19</u>
2024	\$62.38 <u>54.14</u>	\$46.75 <u>38.51</u>
2025	\$62.02 <u>56.27</u>	\$46.03 <u>40.28</u>
2026	\$64.18 <u>59.61</u>	\$47.82 <u>43.25</u>
2027	\$65.48 <u>68.43</u>	\$48.75 <u>51.70</u>
2028	\$66.76 <u>65.45</u>	\$49.64 <u>48.33</u>
2029	\$67.35 <u>64.35</u>	\$49.83 <u>46.83</u>
2030	\$67.68 <u>63.83</u>	\$49.76 <u>45.91</u>
2031	\$67.89 <u>64.56</u>	\$49.56 <u>46.23</u>
2032	\$69.09 <u>65.90</u>	\$50.34 <u>47.15</u>
2033	\$70.63 <u>67.84</u>	\$51.45 <u>48.66</u>
2034	\$72.50 <u>71.52</u>	\$52.87 <u>51.89</u>
2035	\$74.31 <u>73.95</u>	\$54.23 <u>53.87</u>
2036	\$76.28 <u>75.23</u>	\$55.74 <u>54.69</u>
2037	\$78.38 <u>76.77</u>	\$57.37 <u>55.76</u>
2038	\$80.34 <u>78.33</u>	\$58.85 <u>56.84</u>
2039	\$82.75 <u>80.02</u>	\$60.77 <u>58.04</u>
2040	\$84.94 <u>84.31</u>	\$62.45 <u>61.82</u>
2041	\$87.27 <u>87.07</u>	\$64.26 <u>64.06</u>
2042	\$89.64 <u>88.94</u>	\$66.10 <u>65.40</u>
2043	\$92.39 <u>91.38</u>	\$68.31 <u>67.30</u>
2044	\$95.50 <u>95.93</u>	\$70.87 <u>71.30</u>
2045	\$98.90 <u>99.73</u>	\$73.70 <u>74.53</u>
2046	\$102.82 <u>102.27</u>	\$77.04 <u>76.49</u>
2047	\$106.54 <u>105.37</u>	\$80.16 <u>78.99</u>

Notes:

- (a) 2023: On-peak Market Prices; 2024-2047: On-peak capacity value of the Proxy Baseload resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.

(D)
 (C)
 (C)
 (E)
 (C)

IDAHO POWER COMPANY ~~SIXTEENTH~~ SEVENTEENTH REVISED SHEET NO. 85-6
CANCELS

~~FIFTEENTH~~ SIXTEENTH REVISED SHEET NO. 85-6

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 Integration Charge	On-Peak with Integration Charge	Off-Peak with Integration Charge
	(\$/MWh)	\$/MWh	\$/MWh	\$/MWh	\$/MWh
	(a)	(b)	(c)	(d)	(e)
				(a)-(c)	(b)-(c)
2023	\$131.98 <u>116.25</u>	\$85.58 <u>81.19</u>	\$0.83	\$131.15 <u>115.42</u>	\$84.75 <u>80.36</u>
2024	\$52.63 <u>44.39</u>	\$46.75 <u>38.51</u>	\$0.85	\$51.78 <u>43.54</u>	\$45.90 <u>37.66</u>
2025	\$52.04 <u>46.29</u>	\$46.03 <u>40.28</u>	\$0.87	\$51.17 <u>45.42</u>	\$45.16 <u>39.41</u>
2026	\$53.97 <u>49.40</u>	\$47.82 <u>43.25</u>	\$0.89	\$53.08 <u>48.51</u>	\$46.93 <u>42.36</u>
2027	\$55.04 <u>57.99</u>	\$48.75 <u>51.70</u>	\$0.91	\$54.13 <u>57.08</u>	\$47.84 <u>50.79</u>
2028	\$56.08 <u>54.77</u>	\$49.64 <u>48.33</u>	\$0.93	\$55.15 <u>53.84</u>	\$48.71 <u>47.40</u>
2029	\$56.41 <u>53.41</u>	\$49.83 <u>46.83</u>	\$0.95	\$55.46 <u>52.46</u>	\$48.88 <u>45.88</u>
2030	\$56.50 <u>52.65</u>	\$49.76 <u>45.91</u>	\$0.97	\$55.53 <u>51.68</u>	\$48.79 <u>44.94</u>
2031	\$56.45 <u>53.12</u>	\$49.56 <u>46.23</u>	\$0.99	\$55.46 <u>52.13</u>	\$48.57 <u>45.24</u>
2032	\$57.39 <u>54.20</u>	\$50.34 <u>47.15</u>	\$1.02	\$56.37 <u>53.18</u>	\$49.32 <u>46.13</u>
2033	\$58.66 <u>55.87</u>	\$51.45 <u>48.66</u>	\$1.04	\$57.62 <u>54.83</u>	\$50.41 <u>47.62</u>
2034	\$60.25 <u>59.27</u>	\$52.87 <u>51.89</u>	\$1.06	\$59.19 <u>58.21</u>	\$51.81 <u>50.83</u>
2035	\$61.78 <u>61.42</u>	\$54.23 <u>53.87</u>	\$1.09	\$60.69 <u>60.33</u>	\$53.14 <u>52.78</u>
2036	\$63.46 <u>62.41</u>	\$55.74 <u>54.69</u>	\$1.11	\$62.35 <u>61.30</u>	\$54.63 <u>53.58</u>
2037	\$65.27 <u>63.66</u>	\$57.37 <u>55.76</u>	\$1.14	\$64.13 <u>62.52</u>	\$56.23 <u>54.62</u>
2038	\$66.93 <u>64.92</u>	\$58.85 <u>56.84</u>	\$1.16	\$65.77 <u>63.76</u>	\$57.69 <u>55.68</u>
2039	\$69.03 <u>66.30</u>	\$60.77 <u>58.04</u>	\$1.19	\$67.84 <u>65.11</u>	\$59.58 <u>56.85</u>
2040	\$70.90 <u>70.27</u>	\$62.45 <u>61.82</u>	\$1.22	\$69.68 <u>68.05</u>	\$61.23 <u>60.60</u>
2041	\$72.94 <u>72.71</u>	\$64.26 <u>64.06</u>	\$1.25	\$71.66 <u>71.46</u>	\$63.01 <u>62.81</u>
2042	\$74.95 <u>74.25</u>	\$66.10 <u>65.40</u>	\$1.28	\$73.67 <u>72.97</u>	\$64.82 <u>64.12</u>
2043	\$77.36 <u>76.35</u>	\$68.31 <u>67.30</u>	\$1.30	\$76.06 <u>75.05</u>	\$67.01 <u>66.00</u>
2044	\$80.13 <u>80.56</u>	\$70.87 <u>71.30</u>	\$1.33	\$78.80 <u>79.23</u>	\$69.54 <u>69.97</u>
2045	\$83.17 <u>84.00</u>	\$73.70 <u>74.53</u>	\$1.37	\$81.80 <u>82.63</u>	\$72.33 <u>73.16</u>
2046	\$86.73 <u>86.18</u>	\$77.04 <u>76.49</u>	\$1.40	\$85.33 <u>84.78</u>	\$75.64 <u>75.09</u>
2047	\$90.08 <u>88.91</u>	\$80.16 <u>78.99</u>	\$1.43	\$88.65 <u>87.48</u>	\$78.73 <u>77.56</u>

(D)
(C)

(C)

Notes

- (a) 2023 On-Peak Market Prices; 2024-2047: Value of on-peak capacity allocated to on-peak hours of a Wind resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (c) Wind Integration Charges based on current penetration level of 727-1397 MW. The integration charge will be updated when the next penetration level is reached.

(C)

(C)

(D)
(D)

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

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

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)	(e)
				(a)-(c)	(b)-(c)
2023	\$131.98 <u>116.25</u>	\$85.58 <u>81.19</u>	\$4.13	\$127.85 <u>112.12</u>	\$81.45 <u>77.06</u>
2024	\$50.86 <u>42.62</u>	\$46.75 <u>38.51</u>	\$4.23	\$46.63 <u>38.39</u>	\$42.52 <u>34.28</u>
2025	\$50.23 <u>44.48</u>	\$46.03 <u>40.28</u>	\$4.32	\$45.91 <u>40.16</u>	\$41.74 <u>35.96</u>
2026	\$52.12 <u>47.55</u>	\$47.82 <u>43.25</u>	\$4.42	\$47.70 <u>43.13</u>	\$43.40 <u>38.83</u>
2027	\$53.15 <u>56.10</u>	\$48.75 <u>51.70</u>	\$4.53	\$48.62 <u>51.57</u>	\$44.22 <u>47.17</u>
2028	\$54.14 <u>52.83</u>	\$49.64 <u>48.33</u>	\$4.63	\$49.51 <u>48.20</u>	\$45.01 <u>43.70</u>
2029	\$54.43 <u>51.43</u>	\$49.83 <u>46.83</u>	\$4.74	\$49.6 <u>46.69</u>	\$45.42 <u>42.09</u>
2030	\$54.47 <u>50.62</u>	\$49.76 <u>45.91</u>	\$4.85	\$49.62 <u>45.77</u>	\$44.91 <u>41.06</u>
2031	\$54.38 <u>51.05</u>	\$49.56 <u>46.23</u>	\$4.96	\$49.42 <u>46.09</u>	\$44.60 <u>41.27</u>
2032	\$55.27 <u>52.08</u>	\$50.34 <u>47.15</u>	\$5.07	\$50.20 <u>47.01</u>	\$45.27 <u>42.08</u>
2033	\$56.49 <u>53.70</u>	\$51.45 <u>48.66</u>	\$5.19	\$51.30 <u>48.51</u>	\$46.26 <u>43.47</u>
2034	\$58.03 <u>57.05</u>	\$52.87 <u>51.89</u>	\$5.31	\$52.72 <u>51.74</u>	\$47.56 <u>46.58</u>
2035	\$59.54 <u>59.15</u>	\$54.23 <u>53.87</u>	\$5.43	\$54.08 <u>53.72</u>	\$48.80 <u>48.44</u>
2036	\$61.14 <u>60.09</u>	\$55.74 <u>54.69</u>	\$5.55	\$55.59 <u>54.54</u>	\$50.19 <u>49.14</u>
2037	\$62.89 <u>61.28</u>	\$57.37 <u>55.76</u>	\$5.68	\$57.25 <u>56.04</u>	\$51.69 <u>50.08</u>
2038	\$64.50 <u>62.49</u>	\$58.85 <u>56.84</u>	\$5.81	\$58.69 <u>56.68</u>	\$53.04 <u>51.03</u>
2039	\$66.55 <u>63.82</u>	\$60.77 <u>58.04</u>	\$5.95	\$60.60 <u>57.87</u>	\$54.82 <u>52.09</u>
2040	\$68.36 <u>67.73</u>	\$62.45 <u>61.82</u>	\$6.08	\$62.28 <u>61.65</u>	\$56.37 <u>55.74</u>
2041	\$70.34 <u>70.11</u>	\$64.26 <u>64.06</u>	\$6.22	\$64.09 <u>63.89</u>	\$58.04 <u>57.84</u>
2042	\$72.29 <u>71.59</u>	\$66.10 <u>65.40</u>	\$6.37	\$65.92 <u>65.22</u>	\$59.73 <u>59.03</u>
2043	\$74.64 <u>73.63</u>	\$68.31 <u>67.30</u>	\$6.51	\$68.13 <u>67.12</u>	\$61.80 <u>60.79</u>
2044	\$77.34 <u>77</u>	\$70.87 <u>71.30</u>	\$6.66	\$70.68 <u>71.11</u>	\$64.26 <u>64.64</u>
2045	\$80.32 <u>81.15</u>	\$73.70 <u>74.53</u>	\$6.81	\$73.51 <u>74.34</u>	\$66.89 <u>67.72</u>
2046	\$83.82 <u>82.7</u>	\$77.04 <u>76.49</u>	\$6.97	\$76.85 <u>76.30</u>	\$70.07 <u>69.52</u>
2047	\$87.09 <u>85.92</u>	\$80.16 <u>78.99</u>	\$7.13	\$79.96 <u>78.79</u>	\$73.03 <u>71.86</u>

Notes:

- (a) 2023 On-Peak Market Prices; 2024-2047: Value of on-peak capacity allocated to on-peak hours of a PV Solar resource plus Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (b) 2023 Off-Peak Market Prices; 2024-2047: Fuel and Capitalized Energy Cost of the Proxy Baseload resource.
- (c) Solar Integration Charges based on current penetration level of 562-1355 MW. The integration charge will be updated when the next penetration level is reached.