

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF UPDATES TO) **CASE NOS. AVU-E-19-05**
PUBLISHED AVOIDED COST RATES) **IPC-E-19-13**
) **PAC-E-19-05**
)
)
) **ORDER NO. 34350**

On April 12, 2019, Commission Staff sent letters via email to Idaho Power, Rocky Mountain Power, and Avista with updated versions of the published avoided cost model, which included updated inputs for the natural gas price forecast, tax rates, and, for Avista, cost of capital figures. Staff's letters were filed with the Commission, and served to open these dockets. Because this year's update to the published avoided cost model requires the revision of multiple inputs, and not simply the annual adjustment to the natural gas price forecast, Staff recommended these dockets be opened and processed by modified procedure.

On April 22, 2019, the Commission issued a Notice of Applications and Notice of Modified Procedure establishing a May 16, 2019 comment deadline and a May 23, 2019 reply comment deadline in each docket. Order No. 34318. Each utility filed a timely comment. No other comments were received.

Now, based on our review of the record, we approve the updated published avoided cost rates.

BACKGROUND

Pursuant to the Public Utility Regulatory Policies Act of 1978 ("PURPA") and the implementing regulations of the Federal Energy Regulatory Commission ("FERC"), the Idaho Public Utilities Commission ("Commission") has approved a Surrogate Avoided Resource ("SAR") methodology for calculation of the published avoided cost rates at which PURPA qualifying cogeneration and small power production facilities ("QFs") are paid by Avista, Idaho Power, and PacifiCorp. Avoided cost rates are the purchase price paid to QFs for purchases of QF capacity and energy. The release of the *Annual Energy Outlook* by the U.S. Energy Information Administration ("EIA") triggers an annual update to the Commission's calculation of avoided cost rates. Order Nos. 32697, 32802. The Commission has consistently held that this annual update is a simple arithmetic re-calculation to an established methodology that is accomplished administratively as a matter of course. *See e.g.* Order Nos. 33773, 33538, 33305.

UPDATED MODEL INPUTS

The Commission updates the long-term natural gas price forecast annually in the SAR model in order to incorporate the most up-to-date cost assumptions achievable. In accordance with the methodology approved in Order No. 32697, the “reference case” natural gas price forecast for the Mountain Region’s Electric Power sector included in EIA’s *Annual Energy Outlook* serves as the basis for computing published avoided cost rates. *See also* Order No. 34062. In Order No. 32697, the Commission stated that each year the final release of the *Annual Energy Outlook* should automatically trigger a re-calculation of the published avoided cost rates. In Order No. 32802, the Commission clarified that an update should occur on June 1 or within 30 days of the final release of the *Annual Energy Outlook*, whichever is later. This clarification was to accommodate the possibility that the final release of EIA data does not occur in time to meet the June 1 effective date.

This year, in addition to the automatic annual update to reflect EIA’s most recent natural gas price forecast, Staff proposed to update additional inputs in the avoided cost model. Specifically, Staff proposed the Commission update its model to reflect changes made to the corporate tax rate in the federal Tax Cuts and Jobs Act of 2017 and Idaho House Bill 463. Further, Avista’s recently concluded general rate case, AVU-E-17-01, requires an update to Avista’s cost of capital input in the avoided cost computation. Staff provided the proposed updates to Avista, Idaho Power, and Rocky Mountain Power. Each utility responded stating that its respective model was updated correctly and the resulting published avoided costs are accurate under current Commission-approved methodology.

DISCUSSION

The Idaho Public Utilities Commission has jurisdiction over Avista, Idaho Power, and Rocky Mountain Power and the matters considered in this case pursuant to the authority and power granted it under Title 61 of the Idaho Code and PURPA. The Commission has authority under PURPA and the implementing regulations of the FERC to set avoided costs, to order electric utilities to enter into fixed-term obligations for the purchase of energy from QFs, and to implement FERC rules.

Pursuant to its authority, the Commission has reviewed and considered the filings of record. We find the rates disseminated by Staff, which incorporate the EIA’s most recent annual natural gas price forecast, the revised corporate tax rates, and, for Avista, an updated cost of

capital, were correctly calculated pursuant to Commission-approved methodology. We find the updated published avoided cost rates are fair, just, and reasonable.

ORDER

IT IS HEREBY ORDERED that the updated published avoided cost rates, attached to this Order, for Avista, Idaho Power, and PacifiCorp are approved, effective June 1, 2019.

THIS IS A FINAL ORDER. Any person interested in this Order may petition for reconsideration within twenty-one (21) days of the service date of this Order. Within seven (7) days after any person has petitioned for reconsideration, any other person may cross-petition for reconsideration. See *Idaho Code* § 61-626.

DONE by Order of the Idaho Public Utilities Commission at Boise, Idaho this *3rd* day of May 2019.



PAUL KWELLANDER, PRESIDENT




KRISTINE RAPER, COMMISSIONER



ERIC ANDERSON, COMMISSIONER

ATTEST:



Diane M. Hanian
Commission Secretary

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AVISTA AVOIDED COST RATES FOR WIND PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.71	32.90	35.60	39.13	2021	29.07
4	28.63	30.17	31.84	34.18	37.38	40.35	2022	30.48
5	29.36	31.13	33.00	35.79	38.62	41.41	2023	32.84
6	30.24	32.16	34.46	37.00	39.71	42.25	2024	35.76
7	31.19	33.46	35.61	38.08	40.59	43.00	2025	38.62
8	32.37	34.52	36.65	38.98	41.38	43.66	2026	43.58
9	33.36	35.50	37.53	39.79	42.08	44.38	2027	44.57
10	34.29	36.34	38.33	40.50	42.81	45.08	2028	46.55
11	35.10	37.11	39.04	41.24	43.52	45.76	2029	47.48
12	35.84	37.80	39.77	41.95	44.20	46.42	2030	48.89
13	36.52	38.50	40.46	42.62	44.85	47.06	2031	49.98
14	37.20	39.18	41.13	43.27	45.49	47.66	2032	52.50
15	37.85	39.82	41.77	43.90	46.09	48.24	2033	54.35
16	38.47	40.44	42.38	44.49	46.66	48.80	2034	56.15
17	39.07	41.03	42.96	45.06	47.21	49.36	2035	57.86
18	39.64	41.59	43.52	45.60	47.76	49.88	2036	59.86
19	40.19	42.13	44.04	46.14	48.28	50.39	2037	61.31
20	40.71	42.64	44.57	46.64	48.77	50.89	2038	62.87
							2039	64.57
							2040	67.03
							2041	68.38
							2042	69.96
							2043	72.60
							2044	75.74

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

AVISTA AVOIDED COST RATES FOR SOLAR PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.71	32.90	35.60	39.56	2021	29.07
4	28.63	30.17	31.84	34.18	37.69	41.00	2022	30.48
5	29.36	31.13	33.00	36.03	39.12	42.20	2023	32.84
6	30.24	32.16	34.65	37.40	40.34	46.94	2024	35.76
7	31.19	33.62	35.94	38.60	44.46	50.53	2025	38.62
8	32.50	34.80	37.08	42.23	47.71	50.62	2026	44.98
9	33.60	35.87	40.31	45.19	48.02	50.90	2027	45.99
10	34.61	38.74	43.00	45.63	48.44	51.25	2028	47.98
11	37.19	41.18	43.52	46.15	48.90	51.64	2029	76.69
12	39.42	41.74	44.08	46.67	49.37	52.06	2030	78.53
13	40.00	42.32	44.65	47.20	49.85	52.51	2031	51.48
14	40.59	42.90	45.20	47.72	50.35	52.96	2032	54.02
15	41.17	43.46	45.74	48.24	50.82	53.40	2033	55.89
16	41.74	44.01	46.28	48.74	51.29	53.83	2034	57.71
17	42.28	44.54	46.79	49.23	51.75	55.29	2035	59.46
18	42.81	45.05	47.28	49.70	53.13	55.70	2036	61.47
19	43.32	45.54	47.76	51.00	53.55	56.11	2037	62.95
20	43.80	46.01	48.98	51.43	53.97	56.52	2038	64.54
							2039	66.25
							2040	101.34
							2041	70.12
							2042	71.73
							2043	74.39
							2044	77.56

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

AVISTA AVOIDED COST RATES FOR NON-SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.71	32.90	35.60	41.56	2021	29.07
4	28.63	30.17	31.84	34.18	39.13	44.01	2022	30.48
5	29.36	31.13	33.00	37.14	41.43	45.83	2023	32.84
6	30.24	32.16	35.54	39.26	43.25	49.69	2024	35.76
7	31.19	34.35	37.47	41.00	46.72	52.63	2025	38.62
8	33.12	36.08	39.10	44.13	49.48	53.18	2026	51.42
9	34.70	37.59	41.93	46.70	50.21	53.82	2027	52.53
10	36.10	40.14	44.30	47.52	50.97	54.47	2028	54.62
11	38.42	42.32	45.17	48.35	51.71	55.12	2029	73.85
12	40.42	43.19	46.02	49.15	52.42	55.75	2030	75.65
13	41.28	44.04	46.84	49.90	53.11	56.38	2031	58.42
14	42.12	44.85	47.61	50.62	53.78	56.98	2032	61.06
15	42.92	45.61	48.33	51.31	54.42	57.56	2033	63.03
16	43.67	46.33	49.04	51.97	55.03	58.12	2034	64.96
17	44.38	47.03	49.70	52.59	55.61	59.34	2035	66.81
18	45.06	47.68	50.32	53.18	56.79	59.86	2036	68.94
19	45.70	48.29	50.92	54.31	57.32	60.37	2037	70.52
20	46.30	48.88	51.99	54.85	57.84	60.87	2038	72.22
							2039	74.05
							2040	98.01
							2041	78.15
							2042	79.88
							2043	82.66
							2044	85.95

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

AVISTA AVOIDED COST RATES FOR SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.71	32.90	35.60	38.19	2021	29.07
4	28.63	30.17	31.84	34.18	36.70	38.93	2022	30.48
5	29.36	31.13	33.00	35.27	37.53	39.70	2023	32.84
6	30.24	32.16	34.04	36.13	38.34	47.14	2024	35.76
7	31.19	33.11	34.89	36.96	44.62	52.66	2025	38.62
8	32.08	33.91	35.70	42.37	49.50	52.09	2026	40.55
9	32.85	34.69	40.42	46.72	49.28	51.86	2027	41.50
10	33.59	38.84	44.32	46.72	49.27	51.80	2028	43.42
11	37.28	42.33	44.47	46.87	49.38	51.85	2029	93.73
12	40.44	42.57	44.72	47.09	49.56	51.99	2030	95.82
13	40.74	42.89	45.02	47.36	49.79	52.20	2031	46.72
14	41.10	43.23	45.35	47.66	50.07	52.44	2032	49.19
15	41.47	43.59	45.69	47.99	50.36	52.69	2033	50.99
16	41.86	43.96	46.05	48.32	50.66	52.97	2034	52.74
17	42.24	44.34	46.41	48.66	50.98	55.07	2035	54.41
18	42.63	44.71	46.77	49.00	52.93	55.34	2036	56.35
19	43.01	45.08	47.12	50.82	53.22	55.61	2037	57.75
20	43.38	45.44	48.82	51.13	53.52	55.91	2038	59.26
							2039	60.90
							2040	121.36
							2041	64.61
							2042	66.13
							2043	68.72
							2044	71.80

Note: A "seasonal hydro project" is defined as a generation facility which produces at least 55% of its annual generation during the months of June, July, and August. Order 32802.

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

<p style="text-align: center;">AVISTA AVOIDED COST RATES FOR OTHER PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments</p>								
<p style="text-align: center;">Eligibility for these rates is limited to projects smaller than 10 aMW.</p>								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.71	32.90	35.60	44.66	2021	29.07
4	28.63	30.17	31.84	34.18	41.37	48.69	2022	30.48
5	29.36	31.13	33.00	38.86	45.04	51.48	2023	32.84
6	30.24	32.16	36.92	42.15	47.78	53.50	2024	35.76
7	31.19	35.49	39.85	44.73	49.86	55.13	2025	38.62
8	34.08	38.08	42.24	46.78	51.58	56.47	2026	61.46
9	36.41	40.27	44.19	48.49	53.01	57.74	2027	62.72
10	38.41	42.09	45.85	49.95	54.35	58.89	2028	64.95
11	40.12	43.67	47.28	51.30	55.56	59.96	2029	66.16
12	41.61	45.05	48.62	52.53	56.68	60.94	2030	67.84
13	42.93	46.33	49.83	53.67	57.71	61.88	2031	69.22
14	44.16	47.51	50.96	54.71	58.68	62.75	2032	72.02
15	45.30	48.60	51.99	55.69	59.58	63.56	2033	74.15
16	46.36	49.62	52.97	56.60	60.41	64.33	2034	76.24
17	47.34	50.56	53.87	57.44	61.21	65.09	2035	78.26
18	48.26	51.45	54.71	58.24	61.98	65.80	2036	80.55
19	49.11	52.27	55.50	59.01	62.70	66.47	2037	82.31
20	49.91	53.04	56.26	59.74	63.38	67.13	2038	84.18
							2039	86.19
							2040	88.97
							2041	90.65
							2042	92.56
							2043	95.53
							2044	99.01

Note: "Other projects" refers to projects other than wind, solar, non-seasonal hydro, and seasonal hydro projects. These "Other projects" may include (but are not limited to): cogeneration, biomass, biogas, landfill gas, or geothermal projects.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

IDAHO POWER COMPANY AVOIDED COST RATES FOR WIND PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.24	37.13	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	39.17	2021	29.07
4	28.63	30.16	31.82	34.16	37.40	40.41	2022	30.48
5	29.34	31.11	32.98	35.79	38.65	41.48	2023	32.84
6	30.21	32.13	34.44	37.01	39.74	42.32	2024	35.76
7	31.15	33.43	35.59	38.09	40.63	43.07	2025	38.62
8	32.33	34.49	36.63	38.98	41.42	43.74	2026	43.76
9	33.32	35.46	37.51	39.79	42.11	44.45	2027	44.76
10	34.23	36.29	38.30	40.50	42.84	45.14	2028	46.73
11	35.03	37.05	39.01	41.22	43.53	45.81	2029	47.66
12	35.77	37.74	39.72	41.92	44.20	46.45	2030	49.08
13	36.43	38.43	40.40	42.58	44.84	47.07	2031	50.18
14	37.09	39.08	41.05	43.21	45.46	47.66	2032	52.69
15	37.72	39.71	41.67	43.82	46.04	48.22	2033	54.54
16	38.33	40.31	42.27	44.40	46.60	48.76	2034	56.35
17	38.91	40.88	42.83	44.94	47.13	49.30	2035	58.07
18	39.46	41.42	43.36	45.46	47.65	49.80	2036	60.06
19	39.98	41.94	43.87	45.98	48.15	50.29	2037	61.52
20	40.48	42.43	44.37	46.46	48.62	50.77	2038	63.08
							2039	64.78
							2040	67.24
							2041	68.60
							2042	70.19
							2043	72.83
							2044	75.98

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

IDAHO POWER COMPANY AVOIDED COST RATES FOR SOLAR PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.24	37.13	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	48.28	2021	29.07
4	28.63	30.16	31.82	34.16	43.95	54.15	2022	30.48
5	29.34	31.11	32.98	40.82	49.19	58.07	2023	32.84
6	30.21	32.13	38.46	45.43	53.00	60.85	2024	35.76
7	31.15	36.73	42.51	48.97	55.85	63.04	2025	38.62
8	35.09	40.28	45.75	51.74	58.15	64.81	2026	73.37
9	38.25	43.22	48.36	54.02	60.05	66.42	2027	74.80
10	40.92	45.64	50.56	55.94	61.75	67.85	2028	77.22
11	43.16	47.71	52.43	57.67	63.28	69.14	2029	78.60
12	45.10	49.50	54.13	59.22	64.65	70.33	2030	80.47
13	46.80	51.13	55.66	60.61	65.90	71.43	2031	82.03
14	48.36	52.61	57.04	61.89	67.06	72.44	2032	85.01
15	49.78	53.95	58.30	63.07	68.12	73.38	2033	87.34
16	51.07	55.19	59.47	64.14	69.10	74.27	2034	89.62
17	52.26	56.33	60.55	65.14	70.02	75.12	2035	91.83
18	53.36	57.37	61.54	66.07	70.90	75.92	2036	94.33
19	54.38	58.34	62.46	66.96	71.72	76.67	2037	96.28
20	55.32	59.25	63.34	67.78	72.49	77.40	2038	98.36
							2039	100.58
							2040	103.57
							2041	105.46
							2042	107.59
							2043	110.78
							2044	114.48

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

IDAHO POWER COMPANY AVOIDED COST RATES FOR NON-SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.24	37.13	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	47.39	2021	29.07
4	28.63	30.16	31.82	34.16	43.32	52.81	2022	30.48
5	29.34	31.11	32.98	40.33	48.17	56.46	2023	32.84
6	30.21	32.13	38.07	44.61	51.71	59.05	2024	35.76
7	31.15	36.41	41.84	47.92	54.37	61.10	2025	38.62
8	34.83	39.72	44.87	50.50	56.52	62.77	2026	70.50
9	37.77	42.47	47.31	52.64	58.30	64.28	2027	71.89
10	40.27	44.73	49.37	54.44	59.92	65.64	2028	74.26
11	42.37	46.68	51.13	56.07	61.36	66.88	2029	75.60
12	44.20	48.36	52.73	57.54	62.67	68.01	2030	77.42
13	45.79	49.90	54.18	58.86	63.86	69.07	2031	78.93
14	47.27	51.30	55.49	60.07	64.96	70.04	2032	81.87
15	48.61	52.57	56.69	61.20	65.98	70.94	2033	84.15
16	49.83	53.74	57.80	62.23	66.92	71.79	2034	86.39
17	50.96	54.83	58.83	63.18	67.80	72.62	2035	88.55
18	52.01	55.83	59.77	64.07	68.64	73.38	2036	91.00
19	52.98	56.75	60.66	64.92	69.43	74.11	2037	92.91
20	53.88	57.62	61.50	65.71	70.17	74.81	2038	94.94
							2039	97.10
							2040	100.04
							2041	101.88
							2042	103.96
							2043	107.10
							2044	110.75

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

IDAHO POWER COMPANY AVOIDED COST RATES FOR SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.24	37.13	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	53.59	2021	29.07
4	28.63	30.16	31.82	34.16	47.78	62.16	2022	30.48
5	29.34	31.11	32.98	43.75	55.34	67.74	2023	32.84
6	30.21	32.13	40.80	50.34	60.72	71.66	2024	35.76
7	31.15	38.65	46.54	55.32	64.73	74.68	2025	38.62
8	36.71	43.67	51.07	59.18	67.91	77.10	2026	90.64
9	41.13	47.75	54.69	62.33	70.51	79.23	2027	92.33
10	44.82	51.09	57.71	64.95	72.79	81.10	2028	95.00
11	47.90	53.93	60.26	67.26	74.79	82.76	2029	96.64
12	50.55	56.36	62.54	69.31	76.58	84.26	2030	98.77
13	52.85	58.55	64.55	71.13	78.18	85.64	2031	100.60
14	54.93	60.50	66.37	72.78	79.66	86.90	2032	103.86
15	56.80	62.26	68.01	74.29	81.00	88.06	2033	106.46
16	58.50	63.86	69.51	75.66	82.23	89.15	2034	109.03
17	60.05	65.33	70.88	76.92	83.37	90.19	2035	111.53
18	61.47	66.68	72.14	78.09	84.46	91.15	2036	114.31
19	62.77	67.92	73.31	79.20	85.47	92.06	2037	116.56
20	63.98	69.06	74.41	80.22	86.41	92.93	2038	118.94
							2039	121.46
							2040	124.75
							2041	126.96
							2042	129.40
							2043	132.92
							2044	136.95

Note: A "seasonal hydro project" is defined as a generation facility which produces at least 55% of its annual generation during the months of June, July, and August. Order 32802.

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

IDAHO POWER COMPANY AVOIDED COST RATES FOR OTHER PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.24	37.13	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	44.99	2021	29.07
4	28.63	30.16	31.82	34.16	41.59	49.19	2022	30.48
5	29.34	31.11	32.98	39.01	45.39	52.09	2023	32.84
6	30.21	32.13	37.01	42.39	48.22	54.17	2024	35.76
7	31.15	35.54	40.01	45.05	50.36	55.84	2025	38.62
8	34.10	38.19	42.46	47.14	52.12	57.21	2026	62.70
9	36.47	40.42	44.45	48.89	53.58	58.50	2027	63.97
10	38.51	42.27	46.14	50.37	54.93	59.66	2028	66.23
11	40.23	43.87	47.59	51.74	56.16	60.73	2029	67.44
12	41.74	45.26	48.93	52.98	57.28	61.72	2030	69.15
13	43.06	46.55	50.16	54.11	58.31	62.65	2031	70.54
14	44.30	47.73	51.28	55.15	59.27	63.51	2032	73.36
15	45.43	48.82	52.31	56.13	60.16	64.31	2033	75.51
16	46.48	49.82	53.27	57.03	60.99	65.07	2034	77.62
17	47.44	50.76	54.16	57.86	61.77	65.81	2035	79.66
18	48.35	51.62	54.98	58.64	62.52	66.50	2036	81.97
19	49.19	52.43	55.76	59.40	63.22	67.16	2037	83.75
20	49.97	53.18	56.50	60.10	63.88	67.80	2038	85.64
							2039	87.67
							2040	90.47
							2041	92.17
							2042	94.10
							2043	97.10
							2044	100.60

Note: "Other projects" refers to projects other than wind, solar, non-seasonal hydro, and seasonal hydro projects. These "Other projects" may include (but are not limited to): cogeneration, biomass, biogas, landfill gas, or geothermal projects.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

PACIFICORP AVOIDED COST RATES FOR WIND PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	38.19	2021	29.07
4	28.63	30.17	31.83	34.17	36.69	38.92	2022	30.48
5	29.35	31.12	32.99	35.25	37.51	40.24	2023	32.84
6	30.22	32.14	34.02	36.11	38.76	41.24	2024	35.76
7	31.16	33.09	34.86	37.29	39.75	42.12	2025	38.62
8	32.05	33.88	35.97	38.26	40.62	42.87	2026	40.55
9	32.80	34.90	36.90	39.12	41.38	43.65	2027	41.50
10	33.76	35.78	37.74	39.88	42.16	44.40	2028	46.66
11	34.59	36.57	38.48	40.65	42.90	45.11	2029	47.59
12	35.35	37.29	39.23	41.38	43.60	45.79	2030	49.01
13	36.04	38.00	39.94	42.07	44.28	46.45	2031	50.10
14	36.73	38.68	40.61	42.73	44.92	47.07	2032	52.62
15	37.38	39.33	41.25	43.36	45.53	47.66	2033	54.47
16	38.01	39.95	41.87	43.96	46.11	48.22	2034	56.27
17	38.60	40.54	42.45	44.53	46.66	48.78	2035	57.99
18	39.17	41.10	43.00	45.07	47.21	49.31	2036	59.99
19	39.71	41.63	43.53	45.60	47.73	49.82	2037	61.44
20	40.22	42.14	44.04	46.10	48.22	50.32	2038	63.01
							2039	64.70
							2040	67.17
							2041	68.52
							2042	70.10
							2043	72.75
							2044	75.89

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

PACIFICORP AVOIDED COST RATES FOR SOLAR PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects 100 kW or smaller.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	38.19	2021	29.07
4	28.63	30.17	31.83	34.17	36.69	38.92	2022	30.48
5	29.35	31.12	32.99	35.25	37.51	45.33	2023	32.84
6	30.22	32.14	34.02	36.11	42.83	49.78	2024	35.76
7	31.16	33.09	34.86	40.64	46.77	53.14	2025	38.62
8	32.05	33.88	38.78	44.14	49.87	55.79	2026	40.55
9	32.80	37.29	41.91	47.00	52.39	58.07	2027	41.50
10	35.83	40.10	44.53	49.37	54.59	60.04	2028	76.53
11	38.36	42.49	46.74	51.47	56.52	61.78	2029	77.90
12	40.54	44.53	48.72	53.32	58.22	63.32	2030	79.76
13	42.44	46.38	50.48	54.98	59.75	64.73	2031	81.31
14	44.17	48.05	52.07	56.47	61.15	66.00	2032	84.28
15	45.73	49.55	53.51	57.84	62.42	67.17	2033	86.60
16	47.16	50.93	54.83	59.08	63.58	68.24	2034	88.87
17	48.46	52.19	56.04	60.22	64.65	69.27	2035	91.07
18	49.67	53.35	57.15	61.28	65.67	70.21	2036	93.55
19	50.78	54.42	58.18	62.29	66.62	71.10	2037	95.50
20	51.80	55.41	59.16	63.21	67.49	71.95	2038	97.57
							2039	99.77
							2040	102.75
							2041	104.63
							2042	106.75
							2043	109.93
							2044	113.62

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

PACIFICORP AVOIDED COST RATES FOR NON-SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	38.19	2021	29.07
4	28.63	30.17	31.83	34.17	36.69	38.92	2022	30.48
5	29.35	31.12	32.99	35.25	37.51	44.84	2023	32.84
6	30.22	32.14	34.02	36.11	42.44	48.95	2024	35.76
7	31.16	33.09	34.86	40.31	46.09	52.07	2025	38.62
8	32.05	33.88	38.50	43.57	48.97	54.53	2026	40.55
9	32.80	37.06	41.43	46.23	51.32	56.67	2027	41.50
10	35.63	39.68	43.87	48.45	53.39	58.52	2028	73.63
11	37.99	41.91	45.94	50.42	55.20	60.16	2029	74.96
12	40.04	43.83	47.80	52.16	56.81	61.62	2030	76.77
13	41.82	45.57	49.46	53.72	58.25	62.96	2031	78.28
14	43.45	47.14	50.96	55.14	59.58	64.16	2032	81.21
15	44.92	48.56	52.32	56.43	60.78	65.27	2033	83.48
16	46.27	49.86	53.57	57.61	61.88	66.30	2034	85.71
17	47.51	51.06	54.72	58.70	62.91	67.28	2035	87.86
18	48.65	52.16	55.78	59.71	63.88	68.19	2036	90.30
19	49.70	53.18	56.76	60.67	64.78	69.03	2037	92.19
20	50.68	54.12	57.69	61.55	65.62	69.85	2038	94.21
							2039	96.37
							2040	99.30
							2041	101.13
							2042	103.19
							2043	106.32
							2044	109.96

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

PACIFICORP AVOIDED COST RATES FOR SEASONAL HYDRO PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	38.19	2021	29.07
4	28.63	30.17	31.83	34.17	36.69	38.92	2022	30.48
5	29.35	31.12	32.99	35.25	37.51	48.31	2023	32.84
6	30.22	32.14	34.02	36.11	45.21	54.75	2024	35.76
7	31.16	33.09	34.86	42.59	50.86	59.57	2025	38.62
8	32.05	33.88	40.42	47.58	55.26	63.32	2026	40.55
9	32.80	38.69	44.84	51.59	58.81	66.48	2027	41.50
10	37.03	42.62	48.49	54.90	61.85	69.17	2028	93.95
11	40.55	45.93	51.56	57.78	64.46	71.50	2029	95.57
12	43.56	48.76	54.26	60.29	66.75	73.55	2030	97.69
13	46.17	51.27	56.64	62.51	68.78	75.39	2031	99.51
14	48.51	53.51	58.76	64.49	70.62	77.04	2032	102.75
15	50.61	55.52	60.66	66.28	72.27	78.55	2033	105.33
16	52.50	57.33	62.39	67.90	73.77	79.92	2034	107.88
17	54.22	58.98	63.97	69.38	75.15	81.22	2035	110.37
18	55.79	60.49	65.40	70.74	76.44	82.41	2036	113.13
19	57.23	61.88	66.73	72.02	77.63	83.51	2037	115.36
20	58.56	63.15	67.97	73.19	78.74	84.57	2038	117.73
							2039	120.23
							2040	123.51
							2041	125.70
							2042	128.12
							2043	131.62
							2044	135.63

Note: A "seasonal hydro project" is defined as a generation facility which produces at least 55% of its annual generation during the months of June, July, and August. Order 32802.

Note: These rates will be further adjusted with the applicable integration charge.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php

PACIFICORP AVOIDED COST RATES FOR OTHER PROJECTS June 01, 2019 \$/MWh New Contracts and Replacement Contracts without Full Capacity Payments								
Eligibility for these rates is limited to projects smaller than 10 aMW.								
LEVELIZED							NON-LEVELIZED	
CONTRACT LENGTH (YEARS)	ON-LINE YEAR						CONTRACT YEAR	NON-LEVELIZED RATES
	2019	2020	2021	2022	2023	2024		
1	26.64	28.78	29.07	30.48	32.84	35.76	2019	26.64
2	27.67	28.92	29.75	31.62	34.25	37.14	2020	28.78
3	28.10	29.40	30.70	32.89	35.59	38.19	2021	29.07
4	28.63	30.17	31.83	34.17	36.69	38.92	2022	30.48
5	29.35	31.12	32.99	35.25	37.51	43.50	2023	32.84
6	30.22	32.14	34.02	36.11	41.37	46.70	2024	35.76
7	31.16	33.09	34.86	39.43	44.24	49.16	2025	38.62
8	32.05	33.88	37.76	42.02	46.54	51.13	2026	40.55
9	32.80	36.43	40.10	44.16	48.42	52.87	2027	41.50
10	35.08	38.54	42.08	45.95	50.11	54.40	2028	65.76
11	37.00	40.35	43.76	47.57	51.61	55.77	2029	66.97
12	38.67	41.92	45.30	49.01	52.95	57.00	2030	68.67
13	40.13	43.36	46.68	50.32	54.17	58.14	2031	70.06
14	41.49	44.67	47.94	51.52	55.30	59.18	2032	72.87
15	42.72	45.87	49.09	52.62	56.33	60.13	2033	75.01
16	43.86	46.97	50.16	53.63	57.28	61.03	2034	77.12
17	44.91	47.99	51.14	54.56	58.17	61.88	2035	79.15
18	45.88	48.93	52.05	55.44	59.02	62.68	2036	81.45
19	46.79	49.81	52.90	56.27	59.81	63.42	2037	83.22
20	47.63	50.63	53.71	57.04	60.54	64.15	2038	85.11
							2039	87.13
							2040	89.92
							2041	91.61
							2042	93.54
							2043	96.52
							2044	100.02

Note: "Other projects" refers to projects other than wind, solar, non-seasonal hydro, and seasonal hydro projects. These "Other projects" may include (but are not limited to): cogeneration, biomass, biogas, landfill gas, or geothermal projects.

Note: The rates shown in this table have been computed using the U.S. Energy Information Administration (EIA)'s Annual Energy Outlook 2019, released January 2019. See Annual Energy Outlook 2019, Table 3.8 Energy Prices by Sector-Mountain at https://www.eia.gov/outlooks/aeo/tables_ref.php