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AVISTA CORPORATION
dba Avista Utilities

Schedule 62 QF Avoided Costs
Specified Term-Standard Power Energy Rates
Hourly Values (\$/MWh)

Table with columns for months (HLH) from 2021 to 2045 and rows for each month of the year (Jan to Dec). Values represent hourly avoided costs in \$/MWh.

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By Patrick Ehrbar, Director, Regulatory Affairs

Patrick Ehrbar

- 1. New resources must sign contracts through the end of 2035. Existing resources must execute 10-year contracts. Resources not RCW 80.80.40 compliant must execute 5-year contracts. All new resource contracts must begin delivery within 3 years of execution; renewal QF contract terms must begin at time of existing contract expiration.
2. HLH (heavy load-hours) are defined as 6:00 am until 10:00 pm all days. LLH (light load-hours) are defined as all other hours.
3. QF may cease deliveries during periods where prices are negative.

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Schedule 62 QF Avoided Costs
Specified-Term Standard Power & Short-Term Time of Delivery Capacity Rates
Hourly Values (\$/MWh)

RCW 80.80.40 Compliant Resources - Contracts Ending after 15 Years									
First Delivery Year	Hourly Capacity Value <3 Year History								3+ Year History \$/kW-mo
	On-System Wind	Montana Wind	Solar	Solar + 4Hr Batt	Hydro	Wood Biomass	Geothermal (off sys)	Other	
2022	1.67	7.56	0.88	6.89	17.19	13.56	11.39	10.48	7.65
2023	1.86	8.41	0.98	7.67	19.12	15.08	12.67	11.66	8.51
2024	2.06	9.28	1.08	8.46	21.11	16.65	13.99	12.87	9.39
2025	2.39	10.78	1.25	9.83	24.51	19.33	16.24	14.94	10.91

RCW 80.80.40 Compliant Resources - Renewal Contracts Ending after 10 Years									
First Delivery Year	Hourly Capacity Value <3 Year History								3+ Year History \$/kW-mo
	On-System Wind	Montana Wind	Solar	Solar + 4Hr Batt	Hydro	Wood Biomass	Geothermal (off sys)	Other	
2022	1.28	5.77	0.67	5.26	13.12	10.35	8.69	8.00	5.84
2023	1.54	6.98	0.81	6.36	15.86	12.51	10.51	9.67	7.06
2024	1.82	8.21	0.95	7.48	18.66	14.72	12.37	11.38	8.31
2025	2.30	10.40	1.21	9.48	23.65	18.66	15.67	14.42	10.53

RCW 80.80.40 Non-Compliant Resources - Renewal Contracts Ending after 5 Years									
First Delivery Year	Hourly Capacity Value <3 Year History								3+ Year History \$/kW-mo
	On-System Wind	Montana Wind	Solar	Solar + 4Hr Batt	Hydro	Wood Biomass	Geothermal (off sys)	Other	
2022	0.08	0.38	0.04	0.34	0.86	0.68	0.57	0.52	0.38
2023	0.59	2.65	0.31	2.41	6.01	4.74	3.98	3.67	2.68
2024	1.10	4.97	0.58	4.53	11.30	8.91	7.49	6.89	5.03
2025	2.01	9.08	1.05	8.28	20.65	16.28	13.68	12.59	9.19

- Capacity payments are based on an annual capacity value multiplied by the standardized on-peak capacity contribution divided by a standardized capacity factor. Once QF output exceeds that of the assumed capacity factor level, capacity payments will cease until the next contract year.
- Existing resources with 3 years of operating history will receive a \$/MWh payment derived using the \$/kW-mo rate. To convert the \$/kW-mo rate to a per-MWh rate, multiply the \$/kW-mo rate by 12 months and multiply it again by the capacity contribution factor defined in tariff and then divide that figure by the average capacity factor over the same number of years used to define the capacity contribution factor.
- On-Peak Capacity Contribution Assumptions <3 Years Operating History:
On-System Wind: 5% Montana Wind: 30% Solar: 2% Solar + 4Hr Battery: 15%
Hydro: 61% Other: 100%
- Standardized Capacity Factor Assumptions <3 Years Operating History:
On-System Wind: 31% Montana Wind: 49% Solar: 24% Solar + 4Hr Battery: 23%
Hydro: 37% Wood Biomass: 77% Geothermal (off-sys): 92%
- Fixed rate is for contracts ending in 2035. Shorter terms will receive capacity payment based on value provided over the term of the contract.
- Capacity contribution payment with batteries is based on the size of the resource itself, not the summation of the battery and resource. Battery size is assumed to be equal to a multiple of the underlying resource capacity (e.g., 2 MW solar + 4 hr battery = 8 MWh battery).

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AVISTA CORPORATION
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Estimated Avoided Costs
Combined Energy and Capacity Value Assuming Flat Delivery All Hours in a Year -- Example Rates For Large QF Resources, Not Applicable to Small QF
Hourly Values (\$/MWh)

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HLH	24.43	25.73	23.37	23.81	24.14	31.44	49.53	50.24	52.65	53.31	54.00	54.53	56.26	56.79	58.63	60.19	61.97	63.98	65.86	66.93	70.25	72.82	76.41	81.62	82.55
Jan	20.20	20.90	19.22	18.98	20.96	26.16	43.24	43.67	45.46	45.76	46.38	47.21	49.90	49.80	50.99	51.68	54.90	53.92	54.61	55.97	59.53	56.93	59.25	64.20	66.74
Feb	17.29	18.05	17.73	19.34	18.02	21.36	38.95	39.08	42.36	42.61	50.24	54.00	55.53	63.58	64.77	71.05	63.81	59.24	56.23	51.33	44.45	43.11	42.45	40.11	40.85
Mar	11.27	11.54	12.65	16.64	17.15	21.90	33.88	29.71	29.99	31.25	32.53	37.18	35.11	33.69	37.88	33.40	30.12	29.33	23.40	17.84	17.74	11.86	11.81	11.97	11.09
Apr	4.19	4.27	5.42	5.32	1.96	4.68	13.41	10.68	11.55	9.50	8.13	10.01	8.00	7.48	8.80	7.50	6.63	7.34	5.52	4.78	4.67	7.86	5.31	10.17	3.20
May	12.90	13.08	13.33	16.22	11.86	14.23	26.85	20.55	20.01	15.27	11.28	12.15	11.89	12.12	11.85	10.23	9.46	9.40	9.32	8.67	7.60	5.81	5.05	4.70	20.56
Jun	17.63	18.71	19.81	21.19	21.70	26.03	43.75	41.81	43.08	44.43	41.21	44.07	41.13	36.80	33.33	32.19	31.68	32.51	29.82	28.45	19.67	18.20	19.73	18.97	23.67
Jul	23.01	24.46	25.47	26.10	29.09	32.08	50.65	48.22	49.92	51.36	51.13	52.02	51.80	52.23	52.58	58.25	55.76	56.09	54.06	57.10	49.78	48.93	50.06	51.33	61.61
Aug	21.49	22.18	24.78	24.18	26.43	31.29	48.79	46.37	46.95	47.43	47.52	49.37	50.75	49.84	49.85	51.66	52.29	54.58	59.48	59.64	56.16	54.14	58.89	59.19	64.47
Sep	19.43	20.01	21.73	22.13	24.26	27.79	44.94	41.87	44.10	45.47	44.11	46.19	48.43	48.68	49.77	51.24	53.93	55.19	64.54	61.42	71.85	78.50	72.55	63.44	63.82
Oct	18.66	19.83	19.36	21.68	22.40	28.49	44.15	44.19	47.06	46.56	48.52	48.24	51.26	53.52	58.04	56.44	61.28	64.58	65.74	67.84	76.05	70.36	71.95	74.37	91.90
Nov	24.42	25.90	25.37	27.98	28.78	38.79	53.38	52.77	55.13	55.28	57.83	58.52	61.44	63.60	67.22	66.52	69.31	74.82	80.59	85.70	85.98	86.80	87.75	97.15	112.57
Dec	20.21	22.12	20.92	22.99	21.79	28.48	47.74	49.27	51.65	52.95	52.94	54.34	54.85	55.66	58.91	60.00	61.20	63.01	64.04	66.13	69.43	69.91	73.90	77.73	79.09
LLH	17.13	18.01	16.79	16.41	18.84	24.61	43.78	43.96	46.57	45.87	47.00	47.07	51.60	50.18	51.40	52.27	57.52	59.11	59.32	61.05	66.43	65.43	68.95	75.61	80.11
Jan	12.67	12.91	12.82	15.15	15.40	19.85	40.83	41.15	46.01	50.50	60.83	69.03	67.51	78.94	82.91	90.51	89.99	88.06	86.63	82.80	74.26	71.41	64.29	56.53	55.48
Feb	9.85	10.07	11.81	16.68	20.75	25.45	41.88	39.87	43.39	45.67	45.26	53.17	45.81	45.32	52.51	49.26	43.46	49.70	38.04	29.06	25.53	13.69	10.81	9.60	8.40
Mar	5.62	3.69	1.28	8.41	4.90	2.28	8.78	5.46	4.77	1.41	2.65	3.74	1.67	4.81	3.96	5.92	8.15	11.12	6.87	6.87	8.19	8.32	7.77	0.68	5.89
Apr	6.82	7.69	7.62	4.33	8.25	7.96	17.57	11.79	9.95	6.01	1.14	2.87	2.65	0.00	1.83	3.37	2.13	1.05	0.07	0.67	1.73	4.77	3.43	1.03	6.56
May	14.09	14.22	13.99	14.21	15.92	22.20	36.25	36.04	36.91	36.82	37.86	39.36	40.24	37.69	37.10	34.45	33.88	35.34	35.06	32.58	25.35	21.24	18.43	20.39	26.63
Jun	14.77	15.40	15.73	16.58	19.45	23.45	42.69	41.44	42.82	47.05	49.28	51.22	51.29	53.21	51.04	56.41	61.45	63.13	63.29	66.33	73.54	71.96	74.02	73.06	91.45
Jul	13.46	13.34	16.48	15.73	19.34	22.39	42.47	38.88	45.67	44.27	48.64	48.14	52.01	50.80	55.32	57.23	62.61	61.55	69.60	67.00	76.66	72.60	78.43	79.65	92.12
Aug	12.67	12.69	15.49	14.48	17.33	20.03	38.50	38.32	39.86	41.22	43.74	44.94	48.76	49.73	52.55	54.28	57.88	57.04	65.06	72.45	80.66	87.82	82.13	79.06	88.65
Sep	13.67	14.97	14.52	16.70	17.25	25.65	40.77	41.00	43.75	43.57	47.08	48.46	50.12	50.83	53.91	51.47	54.65	57.96	58.29	59.48	59.00	52.79	67.84	70.06	95.06
Oct	19.21	20.74	19.90	23.71	24.22	32.05	46.82	48.68	51.24	51.51	54.62	57.29	58.11	59.48	61.17	60.24	65.89	69.92	68.28	76.33	74.83	67.42	76.99	80.43	82.69

1. HLH (heavy load-hours) are defined as 6:00 am until 10:00 pm all days. LLH (light load-hours) are defined as all other hours.
2. After 15 years rates are escalated using growth rate between year 14 and year 15.
3. Rate does not include adjustments for variable energy resource integration charges.

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Estimated Avoided Costs
Energy Only Value Assuming Flat Delivery All Hours in a Year -- Example Rates For Large QF Resources, Not Applicable to Small QF
Hourly Values (\$/MWh)

Table with columns for months (Jan to Dec) and years (2021 to 2045) showing hourly values for avoided costs.

Capacity Only Value Assuming Flat Delivery All Hours in a Year -- Example Rates For Large QF Resources, Not Applicable to Small QF
Hourly Values (\$/MWh)

Table with columns for months (Jan to Dec) and years (2021 to 2045) showing hourly values for capacity costs.

- 1. LH (heavy load-hours) are defined as 6:00 am until 10:00 pm all days. LH (light load-hours) are defined as all other hours.
2. Rate does not include adjustments for variable energy resource integration charges.
3. Capacity value is applied to all delivered energy during a calendar year.

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