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Salt Lake City, Utah 84114

February 22, 2018

VIA ELECTRONIC FILING

Public Service Commission of Utah
Heber M. Wells Building, 4th Floor
160 East 300 South
Salt Lake City, UT 84111

Attn: Gary Widerburg
Commission Secretary

**RE: Docket No. 17-035-T07
Compliance Filing – Schedule 37 – Avoided Cost Purchases from Qualifying
Facilities (QF)**

In its January 23, 2018 order in Docket No. 17-035-37 and Docket No. 17-035-T07, the Public Service Commission of Utah (“Commission”) directed Rocky Mountain Power (the “Company”) to calculate and file updated Schedule 37 avoided cost pricing within 30 days. The Commission ordered that the pricing be consistent with the Proxy/Partial Displacement Differential Revenue Requirement methodology used under Schedule 38, with certain exceptions.

Pursuant to Commission Rules R746-405 and as directed by the Commission in the order referenced above, the Company hereby updates Schedule 37 rates consistent with the approved methodology. Proposed tariff sheets and two appendices are submitted herewith for filing in the above referenced matter.

The enclosed proposed tariff sheets are associated with Tariff P.S.C.U No. 50 of PacifiCorp, d.b.a. Rocky Mountain Power, applicable to electric service in the State of Utah. Pursuant to the requirement of Rule R746-405-2D, PacifiCorp states that the proposed tariff sheets do not constitute a violation of state law or Commission rule.

PacifiCorp respectfully requests an effective date of March 1, 2018.

Fifth Revision of Sheet No. 37.3	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
Seventh Revision of Sheet No. 37.4	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
Sixth Revision of Sheet No. 37.5	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
Sixth Revision of Sheet No. 37.6	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
Sixth Revision of Sheet No. 37.7	Schedule 37	Avoided Cost Purchases From Qualifying Facilities

It is respectfully requested that all formal correspondence and staff requests regarding this matter be addressed to:

By E-mail (preferred)

datarequest@pacificorp.com

jana.saba@pacificorp.com

By Regular Mail

Data Request Response Center

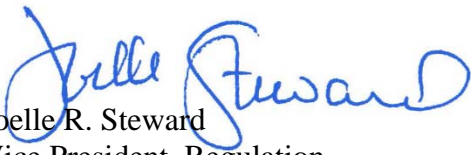
PacifiCorp

825 NE Multnomah, Suite 2000

Portland, OR 97232

Informal inquiries may be directed to Jana Saba at (801) 220-2823.

Very truly yours,



Joelle R. Steward

Vice President, Regulation

Enclosures

Proposed Tariff Sheets

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

RATES FOR PURCHASES: The non-levelized and levelized prices shown below are subject to change from time to time to reflect changes in the Company's determination of Utah avoided costs. The prices applicable to a Utah Qualifying Facility shall be those in effect at the time a written contract is executed by the parties. Contract durations of up to 15 years are available. The levelized prices shown are for a 15-year contract and assume a 2018 starting date. Levelized prices for contracts which start after 2016 and are for periods of 15 years or less are available upon request.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued
Base Load Facility
**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
 ¢/kWh**
Non-Levelized Prices

Deliveries During Calendar Year	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
2018	1.961	2.624	1.741	1.715
2019	2.004	2.600	1.799	1.807
2020	2.289	2.613	2.042	1.904
2021	2.071	2.541	1.797	1.877
2022	2.173	2.773	1.940	2.023
2023	2.114	2.782	1.905	2.042
2024	2.423	3.055	2.244	2.359
2025	2.831	3.434	2.656	2.802
2026	2.851	3.378	2.664	2.802
2027	2.867	3.597	2.684	2.985
2028	3.361	4.246	3.162	3.572
2029	5.413	6.710	5.092	5.649
2030	5.497	6.826	5.155	5.805
2031	5.684	7.132	5.320	6.078
2032	5.929	7.329	5.518	6.266
2033	5.938	7.496	5.562	6.409
2034	6.244	7.845	5.861	6.696
2035	6.414	8.107	6.012	6.927
2036	6.611	8.496	6.211	7.245
2037	6.794	8.619	6.406	7.319

Levelized Prices (Nominal)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2018-2032) Nominal Levelized	2.961	3.696	2.721	2.916

(continued)

Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-T07

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

Fixed Solar Facility

**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
¢/kWh**

Non-Levelized Prices

Deliveries During Calendar Year	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
2018	1.798	2.333	1.598	1.545
2019	1.830	2.303	1.645	1.588
2020	2.076	2.349	1.845	1.716
2021	1.779	2.272	1.542	1.684
2022	1.882	2.435	1.673	1.817
2023	1.851	2.457	1.662	1.850
2024	2.053	2.718	1.898	2.076
2025	2.451	3.155	2.292	2.572
2026	2.451	3.048	2.259	2.535
2027	2.373	3.164	2.218	2.633
2028	2.927	3.779	2.761	3.232
2029	3.375	4.401	3.160	3.728
2030	3.299	4.449	3.174	3.691
2031	6.167	7.763	5.771	6.616
2032	6.341	7.854	5.899	6.720
2033	6.390	8.085	5.997	6.904
2034	6.561	8.274	6.182	7.049
2035	6.719	8.519	6.318	7.276
2036	6.874	8.874	6.466	7.568
2037	7.071	9.025	6.689	7.652

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2018-2032) Nominal Levelized	2.531	3.229	2.322	2.549

(1): On- and off- peak prices are reduced by integration charges and reflect 0.5% annual degradation rate

(continued)

Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-T07

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued
Tracking Solar Facility
**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
 ¢/kWh**
Non-Levelized Prices

Deliveries During Calendar Year	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
2018	1.791	2.391	1.572	1.577
2019	1.823	2.377	1.620	1.636
2020	2.064	2.426	1.812	1.775
2021	1.797	2.348	1.540	1.743
2022	1.895	2.523	1.664	1.893
2023	1.867	2.531	1.660	1.912
2024	2.084	2.815	1.908	2.178
2025	2.492	3.227	2.297	2.647
2026	2.498	3.158	2.273	2.647
2027	2.422	3.298	2.239	2.770
2028	3.033	3.949	2.849	3.379
2029	3.267	4.523	3.112	3.837
2030	3.461	4.566	3.340	3.794
2031	7.239	9.156	6.787	7.781
2032	7.472	9.286	6.955	7.928
2033	7.590	9.647	7.138	8.216
2034	7.806	9.904	7.375	8.422
2035	8.000	10.188	7.530	8.673
2036	8.123	10.564	7.652	8.986
2037	8.357	10.752	7.927	9.112

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2018-2032) Nominal Levelized	2.640	3.428	2.410	2.719

(1): On- and off- peak prices are reduced by integration charges and reflect 0.5% annual degradation rate

(continued)

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EFFECTIVE: March 1, 2018

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

Wind Facility

**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
¢/kWh**

Non-Levelized Prices

Deliveries During Calendar Year	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
2018	1.928	2.339	1.690	1.523
2019	1.943	2.299	1.722	1.608
2020	2.176	2.308	1.920	1.682
2021	5.041	6.060	4.316	4.478
2022	5.049	6.362	4.482	4.589
2023	5.068	6.489	4.564	4.708
2024	5.074	6.486	4.663	5.020
2025	5.321	6.779	4.996	5.526
2026	5.412	6.825	5.070	5.656
2027	5.566	7.049	5.204	5.829
2028	5.315	6.602	4.992	5.511
2029	5.365	6.644	5.030	5.571
2030	5.505	6.800	5.128	5.767
2031	5.624	7.041	5.237	5.972
2032	5.760	7.095	5.335	6.046
2033	5.839	7.333	5.441	6.257
2034	5.955	7.444	5.572	6.345
2035	6.110	7.700	5.699	6.557
2036	6.285	8.028	5.877	6.817
2037	6.489	8.171	6.068	6.922

Levelized Prices (Nominal)

	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2018-2032) Nominal Levelized	4.367	5.412	3.983	4.242



P.S.C.U. No. 50

~~Fourth~~Fifth Revision of Sheet No. 37.3
Canceling ~~Third~~Fourth Revision of Sheet No. 37.3

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

RATES FOR PURCHASES: The non-levelized and levelized prices shown below are subject to change from time to time to reflect changes in the Company's determination of Utah avoided costs. The prices applicable to a Utah Qualifying Facility shall be those in effect at the time a written contract is executed by the parties. Contract durations of up to 15 years are available. The levelized prices shown are for a 15-year contract and assume a 201~~8~~6 starting date. Levelized prices for contracts which start after 2016 and are for periods of 15 years or less are available upon request.

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17-035-T07

FILED: ~~January 15, 2016~~February 22, 2018
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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued
Base Load Facility
**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
 ¢/kWh**
Non-Levelized Prices

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2018</u>	<u>1.961</u>	<u>2.624</u>	<u>1.741</u>	<u>1.715</u>
<u>2019</u>	<u>2.004</u>	<u>2.600</u>	<u>1.799</u>	<u>1.807</u>
<u>2020</u>	<u>2.289</u>	<u>2.613</u>	<u>2.042</u>	<u>1.904</u>
<u>2021</u>	<u>2.071</u>	<u>2.541</u>	<u>1.797</u>	<u>1.877</u>
<u>2022</u>	<u>2.173</u>	<u>2.773</u>	<u>1.940</u>	<u>2.023</u>
<u>2023</u>	<u>2.114</u>	<u>2.782</u>	<u>1.905</u>	<u>2.042</u>
<u>2024</u>	<u>2.423</u>	<u>3.055</u>	<u>2.244</u>	<u>2.359</u>
<u>2025</u>	<u>2.831</u>	<u>3.434</u>	<u>2.656</u>	<u>2.802</u>
<u>2026</u>	<u>2.851</u>	<u>3.378</u>	<u>2.664</u>	<u>2.802</u>
<u>2027</u>	<u>2.867</u>	<u>3.597</u>	<u>2.684</u>	<u>2.985</u>
<u>2028</u>	<u>3.361</u>	<u>4.246</u>	<u>3.162</u>	<u>3.572</u>
<u>2029</u>	<u>5.413</u>	<u>6.710</u>	<u>5.092</u>	<u>5.649</u>
<u>2030</u>	<u>5.497</u>	<u>6.826</u>	<u>5.155</u>	<u>5.805</u>
<u>2031</u>	<u>5.684</u>	<u>7.132</u>	<u>5.320</u>	<u>6.078</u>
<u>2032</u>	<u>5.929</u>	<u>7.329</u>	<u>5.518</u>	<u>6.266</u>
<u>2033</u>	<u>5.938</u>	<u>7.496</u>	<u>5.562</u>	<u>6.409</u>
<u>2034</u>	<u>6.244</u>	<u>7.845</u>	<u>5.861</u>	<u>6.696</u>
<u>2035</u>	<u>6.414</u>	<u>8.107</u>	<u>6.012</u>	<u>6.927</u>
<u>2036</u>	<u>6.611</u>	<u>8.496</u>	<u>6.211</u>	<u>7.245</u>
<u>2037</u>	<u>6.794</u>	<u>8.619</u>	<u>6.406</u>	<u>7.319</u>

<u>Deliveries During</u> <u>-Calendar Year</u>	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off Peak Energy Prices (¢/kWh)</u>	
	<u>-Winter</u>	<u>-Summer</u>	<u>-Winter</u>	<u>-Summer</u>
<u>2017</u>	<u>2.427</u>	<u>2.437</u>	<u>2.201</u>	<u>1.771</u>
<u>2018</u>	<u>2.178</u>	<u>2.233</u>	<u>1.943</u>	<u>1.630</u>
<u>2019</u>	<u>2.018</u>	<u>2.459</u>	<u>1.702</u>	<u>1.682</u>
<u>2020</u>	<u>1.863</u>	<u>2.480</u>	<u>1.568</u>	<u>1.566</u>
<u>2021</u>	<u>1.905</u>	<u>2.412</u>	<u>1.663</u>	<u>1.562</u>
<u>2022</u>	<u>2.041</u>	<u>2.590</u>	<u>1.827</u>	<u>1.782</u>
<u>2023</u>	<u>2.145</u>	<u>2.746</u>	<u>1.945</u>	<u>2.059</u>
<u>2024</u>	<u>2.478</u>	<u>2.982</u>	<u>2.250</u>	<u>2.420</u>
<u>2025</u>	<u>2.665</u>	<u>3.419</u>	<u>2.420</u>	<u>2.721</u>

(continued)

 Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-
T07Advice No. 17-08
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~~July 1, 2017~~ March 1, 2018
EFFECTIVE:

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2026	3.172	3.334	2.885	2.668
2027	2.761	3.453	2.530	2.802
2028	3.368	4.149	3.100	3.399
2029	6.971	6.971	3.442	3.442
2030	7.304	7.304	3.692	3.692
2031	7.554	7.554	3.854	3.854
2032	7.830	7.830	4.041	4.041
2033	8.178	8.178	4.298	4.298
2034	8.454	8.454	4.480	4.480
2035	8.738	8.738	4.668	4.668
2036	9.179	9.179	5.010	5.010
2037	9.456	9.456	5.186	5.186

Levelized Prices (Nominal)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032) Nominal Levelized</u>	<u>2.961</u>	<u>3.696</u>	<u>2.721</u>	<u>2.916</u>

	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032) Nominal Levelized</u>	<u>3.253</u>	<u>3.657</u>	<u>2.385</u>	<u>2.397</u>

(continued)

 Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-T07 Advice No. 17-08

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

Fixed Solar Facility

**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
¢/kWh**

Non-Levelized Prices

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2018</u>	<u>1.798</u>	<u>2.333</u>	<u>1.598</u>	<u>1.545</u>
<u>2019</u>	<u>1.830</u>	<u>2.303</u>	<u>1.645</u>	<u>1.588</u>
<u>2020</u>	<u>2.076</u>	<u>2.349</u>	<u>1.845</u>	<u>1.716</u>
<u>2021</u>	<u>1.779</u>	<u>2.272</u>	<u>1.542</u>	<u>1.684</u>
<u>2022</u>	<u>1.882</u>	<u>2.435</u>	<u>1.673</u>	<u>1.817</u>
<u>2023</u>	<u>1.851</u>	<u>2.457</u>	<u>1.662</u>	<u>1.850</u>
<u>2024</u>	<u>2.053</u>	<u>2.718</u>	<u>1.898</u>	<u>2.076</u>
<u>2025</u>	<u>2.451</u>	<u>3.155</u>	<u>2.292</u>	<u>2.572</u>
<u>2026</u>	<u>2.451</u>	<u>3.048</u>	<u>2.259</u>	<u>2.535</u>
<u>2027</u>	<u>2.373</u>	<u>3.164</u>	<u>2.218</u>	<u>2.633</u>
<u>2028</u>	<u>2.927</u>	<u>3.779</u>	<u>2.761</u>	<u>3.232</u>
<u>2029</u>	<u>3.375</u>	<u>4.401</u>	<u>3.160</u>	<u>3.728</u>
<u>2030</u>	<u>3.299</u>	<u>4.449</u>	<u>3.174</u>	<u>3.691</u>
<u>2031</u>	<u>6.167</u>	<u>7.763</u>	<u>5.771</u>	<u>6.616</u>
<u>2032</u>	<u>6.341</u>	<u>7.854</u>	<u>5.899</u>	<u>6.720</u>
<u>2033</u>	<u>6.390</u>	<u>8.085</u>	<u>5.997</u>	<u>6.904</u>
<u>2034</u>	<u>6.561</u>	<u>8.274</u>	<u>6.182</u>	<u>7.049</u>
<u>2035</u>	<u>6.719</u>	<u>8.519</u>	<u>6.318</u>	<u>7.276</u>
<u>2036</u>	<u>6.874</u>	<u>8.874</u>	<u>6.466</u>	<u>7.568</u>
<u>2037</u>	<u>7.071</u>	<u>9.025</u>	<u>6.689</u>	<u>7.652</u>

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On Peak Energy Prices (¢/kWh) (1,2)</u>		<u>Off Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2017</u>	<u>2.365</u>	<u>2.376</u>	<u>2.140</u>	<u>1.710</u>
<u>2018</u>	<u>2.115</u>	<u>2.170</u>	<u>1.880</u>	<u>1.567</u>
<u>2019</u>	<u>1.954</u>	<u>2.395</u>	<u>1.638</u>	<u>1.617</u>
<u>2020</u>	<u>1.798</u>	<u>2.414</u>	<u>1.502</u>	<u>1.501</u>
<u>2021</u>	<u>1.838</u>	<u>2.345</u>	<u>1.596</u>	<u>1.495</u>

(continued)

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FILED: ~~June 13, 2017~~ February 22, 2018
~~July 1, 2017~~ March 1, 2018

EFFECTIVE:

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2022	1.972	2.521	1.759	1.713
2023	2.075	2.676	1.875	1.989
2024	2.406	2.910	2.178	2.348
2025	2.592	3.346	2.347	2.648
2026	3.097	3.259	2.810	2.593
2027	2.684	3.376	2.453	2.725
2028	3.289	4.071	3.021	3.321
2029	4.699	4.699	3.361	3.361
2030	4.979	4.979	3.610	3.610
2031	5.172	5.172	3.769	3.769
2032	5.391	5.391	3.954	3.954
2033	5.681	5.681	4.210	4.210
2034	5.896	5.896	4.389	4.389
2035	6.118	6.118	4.575	4.575
2036	6.495	6.495	4.915	4.915
2037	6.708	6.708	5.089	5.089

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032)</u> <u>Nominal Levelized</u>	<u>2.531</u>	<u>3.229</u>	<u>2.322</u>	<u>2.549</u>

(1): On- and off- peak prices are reduced by integration charges and reflect 0.5% annual degradation rate

	<u>-On Peak Energy Prices (¢/kWh)</u>		<u>-Off Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032)</u> <u>Nominal Levelized</u> <u>with degradation (3)</u>	<u>2.738</u>	<u>3.144</u>	<u>2.290</u>	<u>2.300</u>

(1): On Peak Prices reflect 37.9% capacity contribution of Fixed Solar QF.

(2): On and off peak prices are reduced by integration charges.

(3): Assuming annual degradation of 0.7%.

(continued)

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued
Tracking Solar Facility
**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
 ¢/kWh**
Non-Levelized Prices

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2018</u>	<u>1.791</u>	<u>2.391</u>	<u>1.572</u>	<u>1.577</u>
<u>2019</u>	<u>1.823</u>	<u>2.377</u>	<u>1.620</u>	<u>1.636</u>
<u>2020</u>	<u>2.064</u>	<u>2.426</u>	<u>1.812</u>	<u>1.775</u>
<u>2021</u>	<u>1.797</u>	<u>2.348</u>	<u>1.540</u>	<u>1.743</u>
<u>2022</u>	<u>1.895</u>	<u>2.523</u>	<u>1.664</u>	<u>1.893</u>
<u>2023</u>	<u>1.867</u>	<u>2.531</u>	<u>1.660</u>	<u>1.912</u>
<u>2024</u>	<u>2.084</u>	<u>2.815</u>	<u>1.908</u>	<u>2.178</u>
<u>2025</u>	<u>2.492</u>	<u>3.227</u>	<u>2.297</u>	<u>2.647</u>
<u>2026</u>	<u>2.498</u>	<u>3.158</u>	<u>2.273</u>	<u>2.647</u>
<u>2027</u>	<u>2.422</u>	<u>3.298</u>	<u>2.239</u>	<u>2.770</u>
<u>2028</u>	<u>3.033</u>	<u>3.949</u>	<u>2.849</u>	<u>3.379</u>
<u>2029</u>	<u>3.267</u>	<u>4.523</u>	<u>3.112</u>	<u>3.837</u>
<u>2030</u>	<u>3.461</u>	<u>4.566</u>	<u>3.340</u>	<u>3.794</u>
<u>2031</u>	<u>7.239</u>	<u>9.156</u>	<u>6.787</u>	<u>7.781</u>
<u>2032</u>	<u>7.472</u>	<u>9.286</u>	<u>6.955</u>	<u>7.928</u>
<u>2033</u>	<u>7.590</u>	<u>9.647</u>	<u>7.138</u>	<u>8.216</u>
<u>2034</u>	<u>7.806</u>	<u>9.904</u>	<u>7.375</u>	<u>8.422</u>
<u>2035</u>	<u>8.000</u>	<u>10.188</u>	<u>7.530</u>	<u>8.673</u>
<u>2036</u>	<u>8.123</u>	<u>10.564</u>	<u>7.652</u>	<u>8.986</u>
<u>2037</u>	<u>8.357</u>	<u>10.752</u>	<u>7.927</u>	<u>9.112</u>

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On Peak Energy Prices (¢/kWh) (1,2)</u>		<u>Off Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2017</u>	<u>2.365</u>	<u>2.376</u>	<u>2.140</u>	<u>1.710</u>
<u>2018</u>	<u>2.115</u>	<u>2.170</u>	<u>1.880</u>	<u>1.567</u>
<u>2019</u>	<u>1.954</u>	<u>2.395</u>	<u>1.638</u>	<u>1.617</u>
<u>2020</u>	<u>1.798</u>	<u>2.414</u>	<u>1.502</u>	<u>1.501</u>
<u>2021</u>	<u>1.838</u>	<u>2.345</u>	<u>1.596</u>	<u>1.495</u>
<u>2022</u>	<u>1.972</u>	<u>2.521</u>	<u>1.759</u>	<u>1.713</u>
<u>2023</u>	<u>2.075</u>	<u>2.676</u>	<u>1.875</u>	<u>1.989</u>
<u>2024</u>	<u>2.406</u>	<u>2.910</u>	<u>2.178</u>	<u>2.348</u>

(continued)

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2025	2.592	3.346	2.347	2.648
2026	3.097	3.259	2.810	2.593
2027	2.684	3.376	2.453	2.725
2028	3.289	4.071	3.021	3.321
2029	5.467	5.467	3.361	3.361
2030	5.765	5.765	3.610	3.610
2031	5.977	5.977	3.769	3.769
2032	6.215	6.215	3.954	3.954
2033	6.525	6.525	4.210	4.210
2034	6.761	6.761	4.389	4.389
2035	7.004	7.004	4.575	4.575
2036	7.402	7.402	4.915	4.915
2037	7.637	7.637	5.089	5.089

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032) Nominal Levelized</u>	<u>2.640</u>	<u>3.428</u>	<u>2.410</u>	<u>2.719</u>

(1): On- and off- peak prices are reduced by integration charges and reflect 0.5% annual degradation rate

	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032) Nominal Levelized with degradation (3)</u>	<u>2.875</u>	<u>3.281</u>	<u>2.290</u>	<u>2.300</u>

(1): On Peak Prices reflect 59.7% capacity contribution of Tracking Solar QF.

(2): On and off peak prices are reduced by integration charges.

(3): Assuming annual degradation of 0.7%.

(continued)

Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-T07
Advice No. 17-08

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued
Wind Facility
**Volumetric Winter and Summer Energy Prices for On-Peak and Off-Peak hours
¢/kWh**
Non-Levelized Prices

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2018</u>	<u>1.928</u>	<u>2.339</u>	<u>1.690</u>	<u>1.523</u>
<u>2019</u>	<u>1.943</u>	<u>2.299</u>	<u>1.722</u>	<u>1.608</u>
<u>2020</u>	<u>2.176</u>	<u>2.308</u>	<u>1.920</u>	<u>1.682</u>
<u>2021</u>	<u>5.041</u>	<u>6.060</u>	<u>4.316</u>	<u>4.478</u>
<u>2022</u>	<u>5.049</u>	<u>6.362</u>	<u>4.482</u>	<u>4.589</u>
<u>2023</u>	<u>5.068</u>	<u>6.489</u>	<u>4.564</u>	<u>4.708</u>
<u>2024</u>	<u>5.074</u>	<u>6.486</u>	<u>4.663</u>	<u>5.020</u>
<u>2025</u>	<u>5.321</u>	<u>6.779</u>	<u>4.996</u>	<u>5.526</u>
<u>2026</u>	<u>5.412</u>	<u>6.825</u>	<u>5.070</u>	<u>5.656</u>
<u>2027</u>	<u>5.566</u>	<u>7.049</u>	<u>5.204</u>	<u>5.829</u>
<u>2028</u>	<u>5.315</u>	<u>6.602</u>	<u>4.992</u>	<u>5.511</u>
<u>2029</u>	<u>5.365</u>	<u>6.644</u>	<u>5.030</u>	<u>5.571</u>
<u>2030</u>	<u>5.505</u>	<u>6.800</u>	<u>5.128</u>	<u>5.767</u>
<u>2031</u>	<u>5.624</u>	<u>7.041</u>	<u>5.237</u>	<u>5.972</u>
<u>2032</u>	<u>5.760</u>	<u>7.095</u>	<u>5.335</u>	<u>6.046</u>
<u>2033</u>	<u>5.839</u>	<u>7.333</u>	<u>5.441</u>	<u>6.257</u>
<u>2034</u>	<u>5.955</u>	<u>7.444</u>	<u>5.572</u>	<u>6.345</u>
<u>2035</u>	<u>6.110</u>	<u>7.700</u>	<u>5.699</u>	<u>6.557</u>
<u>2036</u>	<u>6.285</u>	<u>8.028</u>	<u>5.877</u>	<u>6.817</u>
<u>2037</u>	<u>6.489</u>	<u>8.171</u>	<u>6.068</u>	<u>6.922</u>

<u>Deliveries During</u> <u>Calendar Year</u>	<u>On-Peak Energy Prices (¢/kWh) (1,2)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2017</u>	<u>2.368</u>	<u>2.378</u>	<u>2.143</u>	<u>1.713</u>
<u>2018</u>	<u>2.118</u>	<u>2.173</u>	<u>1.883</u>	<u>1.570</u>
<u>2019</u>	<u>1.957</u>	<u>2.398</u>	<u>1.641</u>	<u>1.621</u>
<u>2020</u>	<u>1.801</u>	<u>2.417</u>	<u>1.506</u>	<u>1.504</u>
<u>2021</u>	<u>1.841</u>	<u>2.348</u>	<u>1.599</u>	<u>1.498</u>
<u>2022</u>	<u>1.976</u>	<u>2.525</u>	<u>1.762</u>	<u>1.717</u>
<u>2023</u>	<u>2.078</u>	<u>2.679</u>	<u>1.879</u>	<u>1.992</u>
<u>2024</u>	<u>2.410</u>	<u>2.914</u>	<u>2.182</u>	<u>2.352</u>
<u>2025</u>	<u>2.595</u>	<u>3.349</u>	<u>2.350</u>	<u>2.651</u>

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2026	3.101	3.262	2.813	2.597
2027	2.688	3.380	2.457	2.729
2028	3.293	4.075	3.025	3.325
2029	3.923	3.923	3.365	3.365
2030	4.184	4.184	3.614	3.614
2031	4.358	4.358	3.773	3.773
2032	4.557	4.557	3.958	3.958
2033	4.827	4.827	4.214	4.214
2034	5.021	5.021	4.394	4.394
2035	5.223	5.223	4.580	4.580
2036	5.578	5.578	4.919	4.919
2037	5.768	5.768	5.093	5.093

Levelized Prices (Nominal)

	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032)</u> <u>Nominal Levelized</u>	<u>4.367</u>	<u>5.412</u>	<u>3.983</u>	<u>4.242</u>

	<u>On Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2018-2032)</u> <u>Nominal Levelized</u>	<u>2.627</u>	<u>3.030</u>	<u>2.316</u>	<u>2.328</u>

~~(1): On Peak Prices reflect 15.8% capacity contribution of wind QF.~~

~~(2): On and off-peak prices are reduced by integration charges.~~

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EFFECTIVE:

Appendix 1

Table 1
2017 IRP Preferred Portfolio
Excerpt from 2017 IRP Table 8.17

	Capacity (MW)																				Resource Totals 1/	
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year
East																						
Expansion Resources																						
CCCT - DJohns - J 1x1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
SCCT Frame DJ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	200
Wind, Djohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	85
Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	774	-	774
Wind, WYAE	-	-	-	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,100	1,100
Total Wind	-	-	-	-	1,100	-	-	-	-	-	-	-	-	-	85	-	-	-	-	774	1,100	1,959
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	167	210	41	291	13	-	800
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	123.8	90.5	4.8	-	3.4	3.1	3.7	3.1	11.6	-	243.8
DSM, Class 2 Total	97	74	79	75	81	77	85	85	82	84	82	77	73	73	74	62	55	47	44	44	819	1,450
FOT Mona - SMR	-	-	-	-	-	-	-	-	-	27	27	300	300	291	300	300	300	300	300	300	3	137
West																						
Expansion Resources																						
CCCT - WilliamValce - G 1x1	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	11	97	-	38	70	16	8	-	-	-	240
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	69.1	49.1	-	3.3	-	-	-	-	-	-	121.5
DSM, Class 2 Total	57	53	52	46	42	37	33	33	29	27	27	25	23	23	22	21	20	19	19	18	410	627
Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	30
FOT COB - SMR	-	-	3	-	-	41	-	10	167	76	137	400	400	400	400	400	400	400	400	364	30	200
FOT MidColumbia - SMR	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
FOT MidColumbia - SMR - 2	-	21	375	307	299	375	344	375	375	375	375	375	375	375	375	375	375	375	375	285	330	
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
FOT MidColumbia - WTR	281	332	273	307	-	308	-	287	295	-	-	-	400	41	390	351	-	377	4	291	208	197
FOT MidColumbia - WTR2	-	-	-	-	319	-	306	-	-	297	289	312	51	375	-	-	337	-	375	375	92	152
FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	100	100	100	100	100	100	100	100	100	11	51
Existing Plant Retirements/Conversions	-	-	(257)	-	(387)	-	-	-	-	(82)	-	(762)	(354)	(357)	(78)	-	(717)	-	(82)	-		
Annual Additions, Long Term Resources	154	128	131	122	1,223	114	118	118	112	111	109	306	563	536	303	323	980	117	356	861		
Annual Additions, Short Term Resources	781	853	1,151	1,115	1,118	1,223	1,150	1,172	1,390	1,329	1,336	1,987	2,126	2,081	2,065	2,026	2,012	2,052	2,054	2,305		
Total Annual Additions	935	981	1,282	1,236	2,341	1,337	1,268	1,289	1,501	1,440	1,445	2,293	2,688	2,618	2,368	2,349	2,992	2,169	2,411	3,166		

The 2017 IRP was prepared using a 13% planning reserve margin. See 2017 IRP, page 10.

QF Queue						
No.	QF	Partial Displacement	Name plate	CF	Capacity Contribution	Start Date
1	Boswell Springs I Wind	12.64	80.0	40.7%	15.8%	2021 12 31
2	Boswell Springs II Wind	12.64	80.0	40.7%	15.8%	2021 12 31
3	Boswell Springs III Wind	12.64	80.0	40.7%	15.8%	2021 12 31
4	Boswell Springs IV Wind	12.64	80.0	40.7%	15.8%	2021 12 31
5	Glen Canyon A Solar QF	44.16	74.0	32.2%	59.7%	2019 09 29
6	Glen Canyon B Solar QF	12.53	21.0	34.9%	59.7%	2019 11 01
7	Sage I Solar QF	11.93	20.0	28.2%	59.7%	2019 10 01
8	Sage II Solar QF	11.93	20.0	28.2%	59.7%	2019 10 01
9	BYU-ID QF	4.20	5.6	79.0%	74.9%	2017 09 29
10	Sage III Solar QF	10.50	17.6	26.7%	59.7%	2019 10 01
11	Beatty Solar (Terminated)	-3.24	-5.0		64.8%	2016 12 01
12	Monticello Wind QF	12.51	79.2	33.8%	15.8%	2021 12 31
13	Tesoro Non Firm QF	0.00	25.0	85.0%	0.0%	2018 01 01

Table 3
Comparison between Proposed and Current Avoided Costs

Year	BASE LOAD			WIND			SOLAR FIXED			SOLAR TRACKING		
	Proposed (\$/MWH)	Current (\$/MWH)	Total Difference (\$/MWH)	Proposed (\$/MWH)	Current (\$/MWH)	Total Difference (\$/MWH)	Proposed (\$/MWH)	Current (\$/MWH)	Total Difference (\$/MWH)	Proposed (\$/MWH)	Current (\$/MWH)	Total Difference (\$/MWH)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
	(a) - (b)			(d) - (e)			(g) - (h)			(j) - (k)		
2018	\$19.85	\$20.39	(\$0.55)	\$17.88	\$18.99	(\$1.11)	\$19.28	\$20.73	(\$1.45)	\$19.43	\$20.51	(\$1.09)
2019	\$20.26	\$19.59	\$0.68	\$18.20	\$18.08	\$0.12	\$19.43	\$20.38	(\$0.95)	\$19.64	\$20.30	(\$0.66)
2020	\$22.21	\$18.49	\$3.72	\$19.72	\$16.92	\$2.80	\$21.14	\$19.41	\$1.73	\$21.26	\$19.38	\$1.88
2021	\$20.50	\$18.79	\$1.71	\$47.52	\$17.27	\$30.24	\$19.03	\$19.49	(\$0.47)	\$19.45	\$19.44	\$0.02
2022	\$21.95	\$20.43	\$1.52	\$48.83	\$18.99	\$29.84	\$20.29	\$21.05	(\$0.76)	\$20.77	\$21.03	(\$0.26)
2023	\$21.68	\$21.86	(\$0.19)	\$49.65	\$20.56	\$29.09	\$20.21	\$22.37	(\$2.16)	\$20.68	\$22.42	(\$1.74)
2024	\$24.79	\$24.97	(\$0.18)	\$50.81	\$23.71	\$27.09	\$22.46	\$25.36	(\$2.91)	\$23.15	\$25.41	(\$2.26)
2025	\$28.88	\$27.43	\$1.45	\$54.30	\$26.10	\$28.21	\$26.62	\$28.06	(\$1.44)	\$27.29	\$28.20	(\$0.91)
2026	\$28.87	\$30.44	(\$1.57)	\$55.19	\$28.86	\$26.33	\$26.23	\$30.86	(\$4.63)	\$27.06	\$30.68	(\$3.61)
2027	\$29.68	\$28.29	\$1.39	\$56.79	\$26.96	\$29.82	\$26.21	\$28.79	(\$2.58)	\$27.26	\$28.91	(\$1.65)
2028	\$34.99	\$34.40	\$0.59	\$54.02	\$32.96	\$21.05	\$31.95	\$35.08	(\$3.12)	\$33.50	\$35.21	(\$1.71)
2029	\$55.96	\$54.20	\$1.76	\$54.48	\$35.71	\$18.78	\$36.96	\$44.79	(\$7.83)	\$37.22	\$50.24	(\$13.01)
2030	\$56.91	\$57.16	(\$0.26)	\$55.88	\$38.24	\$17.64	\$36.70	\$47.54	(\$10.84)	\$38.46	\$53.11	(\$14.65)
2031	\$59.06	\$59.28	(\$0.21)	\$57.40	\$39.88	\$17.51	\$66.53	\$49.42	\$17.12	\$78.77	\$55.12	\$23.65
2032	\$61.20	\$61.65	(\$0.44)	\$58.35	\$41.79	\$16.57	\$67.92	\$51.55	\$16.37	\$80.60	\$57.39	\$23.21
2033	\$61.89	\$64.73	(\$2.84)	\$59.77	\$44.40	\$15.37	\$69.12	\$54.40	\$14.72	\$82.83	\$60.38	\$22.45
2034	\$64.98	\$67.96(x)	(\$2.98)	\$60.92	\$47.17(x)	\$13.74	\$70.88	\$57.40(x)	\$13.49	\$85.13	\$63.52(x)	\$21.62
2035	\$66.89	\$71.35(x)	(\$4.47)	\$62.62	\$50.12(x)	\$12.50	\$72.76	\$60.56(x)	\$12.19	\$87.39	\$66.82(x)	\$20.57

(x) Extrapolated

15 Year (2018 to 2032) Levelized Prices (Nominal) @ 6.57% Discount Rate	\$/MWH	\$30.22	\$29.49	\$0.73	\$43.20	\$24.85	\$18.35	\$27.52	\$28.21	(\$0.69)	\$29.11	\$29.22	(\$0.11)
15 Year (2019 to 2033) Levelized Prices (Nominal) @ 6.57% Discount Rate	\$/MWH	\$32.63	\$31.91	\$0.72	\$46.59	\$26.28	\$20.31	\$30.11	\$30.09	\$0.02	\$32.35	\$31.43	\$0.93
15 Year (2020 to 2034) Levelized Prices (Nominal) @ 6.57% Discount Rate	\$/MWH	\$35.28	\$34.71	\$0.57	\$50.21	\$28.01	\$22.20	\$32.93	\$32.25	\$0.68	\$35.88	\$33.94	\$1.95

	Generation Profile_Baseload	Generation Profile_Wind*	Generation Profile_Solar Fixed	Generation Profile_Solar Tr
on-peak Summer	19%	13%	31%	33%
on-peak Winter	37%	24%	52%	46%
off-peak Summer	15%	25%	7%	10%
off-peak Winter	29%	39%	10%	11%

Table 4
Natural Gas Price - Delivered to Plant
\$/MMBtu

Year	Pacific NW	IRP - Wyo NE
	(a)	(b)
2018	\$2.11	\$2.40
2019	\$2.11	\$2.38
2020	\$2.15	\$2.39
2021	\$2.27	\$2.40
2022	\$2.34	\$2.46
2023	\$2.43	\$2.53
2024	\$3.09	\$3.16
2025	\$3.79	\$3.84
2026	\$3.85	\$3.90
2027	\$3.99	\$4.04
2028	\$4.17	\$4.24
2029	\$4.47	\$4.54
2030	\$4.77	\$4.85
2031	\$5.03	\$5.11
2032	\$5.20	\$5.28
2033	\$5.44	\$5.53
2034	\$5.73	\$5.81
2035	\$5.93	\$6.03
2036	\$6.30	\$6.40
2037	\$6.47	\$6.58

Source

Official Forward Price Curve dated December 29 2017

Table 5
Electricity Market Prices
\$/MWH

Year	Market Price \$/MWH			
	HLH		LLH	
	Mid-Columbia	Palo Verde	Mid-Columbia	Palo Verde
	(a)	(b)	(c)	(d)
2018	\$24.53	\$28.99	\$17.45	\$22.83
2019	\$24.65	\$29.62	\$18.71	\$24.21
2020	\$26.56	\$31.84	\$20.95	\$26.41
2021	\$28.88	\$34.43	\$22.67	\$28.21
2022	\$30.93	\$35.76	\$24.33	\$29.59
2023	\$32.23	\$36.70	\$24.99	\$30.63
2024	\$36.09	\$40.34	\$28.53	\$34.84
2025	\$40.13	\$44.09	\$32.19	\$39.22
2026	\$41.63	\$45.90	\$33.21	\$41.01
2027	\$44.35	\$45.29	\$36.61	\$40.44
2028	\$46.66	\$46.68	\$38.90	\$41.96
2029	\$49.44	\$49.11	\$41.82	\$44.29
2030	\$51.05	\$51.39	\$43.67	\$46.48
2031	\$53.16	\$53.58	\$45.46	\$48.43
2032	\$55.28	\$55.90	\$47.22	\$50.39
2033	\$57.90	\$57.84	\$49.58	\$52.34
2034	\$60.57	\$59.95	\$51.94	\$54.27
2035	\$62.56	\$61.49	\$53.96	\$55.62
2036	\$66.24	\$64.67	\$57.48	\$58.57
2037	\$68.45	\$66.64	\$59.54	\$60.41

Source

Official Forward Price Curve dated December 29 2017

Table 6
Integration Costs
\$/MWH

Year	System Balancing Integration Costs	Wind Integration (Incremental)	Tracking Solar Integration (Incremental)	Fixed Solar Integraton Costs (Incremental)
	\$/MWh	\$/MWh	\$/MWh	\$/MWh
2016	\$0.145	\$0.429	\$0.458	\$0.458
2017	\$0.15	\$0.44	\$0.47	\$0.47
2018	\$0.15	\$0.45	\$0.48	\$0.48
2019	\$0.15	\$0.46	\$0.49	\$0.49
2020	\$0.16	\$0.47	\$0.50	\$0.50
2021	\$0.16	\$0.48	\$0.51	\$0.51
2022	\$0.17	\$0.49	\$0.52	\$0.52
2023	\$0.17	\$0.50	\$0.53	\$0.53
2024	\$0.17	\$0.51	\$0.55	\$0.55
2025	\$0.18	\$0.52	\$0.56	\$0.56
2026	\$0.18	\$0.54	\$0.57	\$0.57
2027	\$0.18	\$0.55	\$0.59	\$0.59
2028	\$0.19	\$0.56	\$0.60	\$0.60
2029	\$0.19	\$0.57	\$0.61	\$0.61
2030	\$0.20	\$0.59	\$0.63	\$0.63
2031	\$0.20	\$0.60	\$0.64	\$0.64
2032	\$0.21	\$0.61	\$0.66	\$0.66
2033	\$0.21	\$0.63	\$0.67	\$0.67
2034	\$0.22	\$0.64	\$0.69	\$0.69
2035	\$0.22	\$0.66	\$0.70	\$0.70
2036	\$0.23	\$0.67	\$0.72	\$0.72
2037	\$0.23	\$0.69	\$0.73	\$0.73
2038	\$0.24	\$0.70	\$0.75	\$0.75
2039	\$0.24	\$0.72	\$0.77	\$0.77
2040	\$0.25	\$0.73	\$0.78	\$0.78
2041	\$0.25	\$0.75	\$0.80	\$0.80
2042	\$0.26	\$0.77	\$0.82	\$0.82

Appendix 2

ROCKY MOUNTAIN POWER
AVOIDED COST CALCULATION

STANDARD RATES FOR AVOIDED COST PURCHASES FROM
QUALIFYING FACILITIES THAT QUALIFY FOR
SCHEDULE NO. 37

UTAH – February 2018

**ROCKY MOUNTAIN POWER
AVOIDED COST CALCULATION**

**STANDARD RATES FOR AVOIDED COST PURCHASES FROM QUALIFYING
FACILITIES THAT QUALIFY FOR SCHEDULE NO. 37**

UTAH – FEBRUARY 2018

OVERVIEW

Schedule 37 contains avoided cost prices to be paid to small qualifying facilities (“QF”) and applies to QFs with a design capacity of 1 MW or less for qualifying cogeneration facilities and 3 MW or less for small power production facilities. Prices are available for a cumulative total of 25 MW. In compliance with the Commission’s February 12, 2009, Order in Docket No. 08-035-78 on Net Metering Service, Schedule No. 37 avoided costs also establish the value or credit for net excess generation of large commercial customers under the Schedule No. 135 Net Metering Service.¹

In compliance with Commission’s January 23, 2018 Order in Docket No. 17-035-T07 and 17-035-37, the Company provides avoided costs rates for Schedule 37 reflecting the Proxy/PDDRR methodology applicable under Schedule 38 and with only signed QFs included in the QF queue.

Consistent with the Commission’s January 23, 2018 Order in Docket No. 17-035-T07 and 17-035-37, when a QF defers or avoids a renewable resource, the Company retains the QFs renewable energy credits (RECs) on behalf of ratepayers. When a QF’s avoided capacity costs are not based on the costs of a renewable resource, the QF is entitled to the RECs associated with its output.

DESCRIPTION OF THE AVOIDED COST STUDY WORKPAPERS

“17-035-T07 RMP Appendix 1 - AC Study Summary 02-22-18.xlsx” contains the summary of proposed avoided cost rates by QF type under the Commission-approved methodology.

Table 1 presents the timing of deferrable resources as listed in Table 8.17 of the Company’s 2017 IRP filing dated April 4, 2017. Table 1 shows that the Company intends to acquire thermal and renewable resources over the 20-year planning period. The planned IRP thermal resources include both Simple Cycle Combustion Turbines (“SCCT”) and Combustion Turbines (“CCCT”). The planned IRP renewable resources include solar resources located Yakima and Utah South, and the wind resources located in Wyoming near Aeolus and Dave Johnston and in Idaho near Goshen.

¹ Docket No. 08-035-78, February 12, 2009 Order, U.P.S.C 24 (2009).

The timing of the deficiency period for a baseload QF is determined based on the next deferrable IRP Thermal resource that has not been already displaced by signed QFs. **Table 2** shows the current queue of signed QFs, which totals 577 MW nameplate capacity. Based on the current signed QFs, an incremental baseload QF partially displaces the 2029 SCCT.

The timing of the deficiency period for a solar QF is determined based on the next deferrable IRP solar resource that has not been already displaced by signed QFs. Based on the current signed QFs, an incremental solar QF partially displaces 2031 Utah South Solar.

The timing of the deficiency period for a wind QF is determined based on the next deferrable IRP wind resource that has not been already displaced by signed QFs. Based on the current signed QFs, an incremental wind QF partially displaces 2021 WY Aeolus Wind and Aeolus-Bridger/Anticline transmission capacity (Gateway Segment D2).

In its Order in Docket No. 09-035-T14, the Commission directed the Company “to label Table 1 with the applicable planning reserve margin assumption (e.g., 12 or 15 percent) in all subsequent filings of Schedule No. 37 rates.” The IRP uses planning reserves to account for operating reserves, regulating reserves, load forecast errors and other planning uncertainties. As shown on Table 1, the 2017 IRP utilized a 13 percent planning reserve margin.

Table 3 presents a comparison of the proposed avoided costs rates to the currently effective rates for each QF type. **Table 4** and **Table 5** summarize natural gas and electricity market price forecasts used in the calculation of proposed rates in this filing. **Table 6** provides the integration costs used in the filing, reflecting values from the 2017 IRP.

DESCRIPTION OF AVOIDED COST STUDY WORKPAPERS

Baseload QF

The following supporting files contain calculations of avoided cost rates for Baseload QFs:

17-035-T07 RMP CONF Workpaper 1a - GRID AC Study Thermal 02-22-18.xlsx:
contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2018-2027

17-035-T07 RMP CONF Workpaper 1b - GRID AC Study Thermal 02-22-18.xlsx:
contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2028-2037

17-035-T07 RMP Wkpr - Avoided Cost Study-Thermal 02-22-18.xlsx:

- **Table 1:** summarizes the annual avoided energy costs based on GRID runs and shows the calculation of the annual avoided capacity costs. During the deficiency period, the avoided capacity costs are based on the avoided fixed costs of the next

- deferrable thermal resource from 2017 IRP (that has not been already displaced by signed QFs). Specifically, the avoided capacity cost for a Thermal QF reflects avoided fixed costs of the 2029 SCCT from the 2017 IRP.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
 - **Table 3:** shows the total resource cost information for each the planned new resources in 2017 IRP preferred portfolio. Total resource cost information included capital costs, and fixed and variable Operation and Maintenance (O&M) expenses, and tax credits if applicable.
 - **Table 4:** summarizes annual natural gas price forecasts for East and West side locations
 - **Table 5:** shows the monthly calculation of avoided capacity costs and avoided energy costs. Total unit avoided costs (\$/MWh) are calculated by summing the avoided energy cost dollars (based on GRID runs) and the avoided capacity cost dollars (based deferred resource fixed costs) and dividing by the generation of the QF.

17-035-T07 RMP Wkpr - QF Pricing Detail-Thermal 02-22-18.xlsx: contains the calculations of the monthly on-peak (HLH) and off-peak (LLH) avoided cost rates by spreading total monthly avoided cost dollars (both energy and capacity) based on projected Palo Verde (“PV”) HLH and LLH market prices.

Wind OF

The following supporting files contain calculations of avoided cost rates for Wind QFs:

17-035-T07 RMP CONF Workpaper 2a - GRID AC Study Wind 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2018-2027.

17-035-T07 RMP CONF Workpaper 2b - GRID AC Study Wind 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2028-2037

17-035-T07 RMP Wkpr - Avoided Cost Study-Wind 02-22-18.xlsx:

- **Table 1:** summarizes the annual avoided energy costs based on GRID runs and shows the calculation of the annual avoided capacity costs. During the deficiency period, the avoided capacity costs are based on the avoided fixed costs of the next deferrable wind resource from 2017 IRP (that has not been already displaced by signed QFs). Specifically, the avoided capacity cost for a wind QF reflects avoided fixed costs of the 2021 Wyoming Aeolus wind resource and Aeolus-Bridger/Anticline transmission upgrade from the 2017 IRP. PacifiCorp retains the RECs generated starting in 2021.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
- **Table 3:** shows the total resource cost information for each the planned new resources in 2017 IRP preferred portfolio. Total resource cost information

- included capital costs, and fixed and variable Operation and Maintenance (O&M) expenses, and tax credits if applicable.
- **Table 4:** summarizes annual natural gas price forecasts for East and West side locations
 - **Table 5:** shows the monthly calculation of avoided capacity costs and avoided energy costs. Total unit avoided costs (\$/MWh) are calculated by summing the avoided energy cost dollars (based on GRID runs) and the avoided capacity cost dollars (based deferred resource fixed costs) and dividing by the generation of the QF.

17-035-T07 RMP Wkpr - QF Pricing Detail-Wind 02-22-18.xlsx: contains the calculations of the monthly on-peak (HLH) and off-peak (LLH) avoided cost rates for a Wind QF by spreading total monthly avoided cost dollars (both energy and capacity) based on projected Palo Verde (“PV”) HLH and LLH market prices.

Tracking Solar QF

The following supporting files contain calculations of avoided cost rates for Tracking Solar QFs:

17-035-T07 RMP CONF Workpaper 3a - GRID AC Study Solar T 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2018-2027

17-035-T07 RMP CONF Workpaper 3b - GRID AC Study Solar T 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2028-2037

17-035-T07 RMP Wkpr - Avoided Cost Study-Solar T 02-22-18.xlsx:

- **Table 1:** summarizes the annual avoided energy costs based on GRID runs and shows the calculation of the annual avoided capacity costs. During the deficiency period, the avoided capacity costs are based on the avoided fixed costs of the next deferrable solar resource from 2017 IRP (that has not been already displaced by signed QFs). Specifically, the avoided capacity cost for a solar QF reflects avoided fixed costs of the 2031 Utah South solar resource from the 2017 IRP. PacifiCorp retains the RECs generated starting in 2031.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
- **Table 3:** shows the total resource cost information for each the planned new resources in 2017 IRP preferred portfolio. Total resource cost information included capital costs, and fixed and variable Operation and Maintenance (O&M) expenses, and tax credits if applicable.
- **Table 4:** summarizes annual natural gas price forecasts for East and West side locations
- **Table 5:** shows the monthly calculation of avoided capacity costs and avoided energy costs. Total unit avoided costs (\$/MWh) are calculated by summing the

avoided energy cost dollars (based on GRID runs) and the avoided capacity cost dollars (based deferred resource fixed costs) and dividing by the generation of the QF.

17-035-T07 RMP Wkpr - QF Pricing Detail-Solar T 02-22-18.xlsx: contains the calculations of the monthly on-peak (HLH) and off-peak (LLH) avoided cost rates for a tracking Solar QF by spreading total monthly avoided cost dollars (both energy and capacity) based on projected Palo Verde (“PV”) HLH and LLH market prices.

Fixed Solar QF

The following supporting files contain calculations of avoided cost rates for Fixed Solar QFs:

17-035-T07 RMP CONF Workpaper 4a - GRID AC Study Solar F 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2018-2027

17-035-T07 RMP CONF Workpaper 4b - GRID AC Study Solar F 02-22-18.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2028-2037

17-035-T07 RMP Wkpr - Avoided Cost Study-Solar F 02-22-18.xlsx:

- **Table 1:** summarizes the annual avoided energy costs based on GRID runs and shows the calculation of the annual avoided capacity costs. During the deficiency period, the avoided capacity costs are based on the avoided fixed costs of the next deferrable solar resource from 2017 IRP (that has not been already displaced by signed QFs). Specifically, the avoided capacity cost for a solar QF reflects avoided fixed costs of the 2031 Utah South solar resource from the 2017 IRP. PacifiCorp retains the RECs generated starting in 2031.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
- **Table 3:** shows the total resource cost information for each the planned new resources in 2017 IRP preferred portfolio. Total resource cost information included capital costs, and fixed and variable Operation and Maintenance (O&M) expenses, and tax credits if applicable.
- **Table 4:** summarizes annual natural gas price forecasts for East and West side locations
- **Table 5:** shows the monthly calculation of avoided capacity costs and avoided energy costs. Total unit avoided costs (\$/MWh) are calculated by summing the avoided energy cost dollars (based on GRID runs) and the avoided capacity cost dollars (based deferred resource fixed costs) and dividing by the generation of the QF.

17-035-T07 RMP Wkpr - Avoided Cost Study-Solar F 02-22-18.xlsx: contains the calculations of the monthly on-peak (“HLH”) and off-peak (“LLH”) avoided cost rates for

a fixed Solar QF by spreading total monthly avoided cost dollars (both energy and capacity) based on projected Palo Verde (“PV”) HLH and LLH market prices.

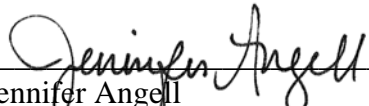
CERTIFICATE OF SERVICE

Docket Nos. 17-035-T07 and 17-035-37

I hereby certify that on February 22, 2018, a true and correct copy of Rocky Mountain Power’s Compliance Filing in Docket No. 17-035-T07 was served by electronic mail and overnight delivery to the following:

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