



1407 W. North Temple
Salt Lake City, Utah 84116

April 30, 2021

VIA ELECTRONIC FILING

Public Service Commission of Utah
Heber M. Wells Building, 4th Floor
160 East 300 South
Salt Lake City, UT 84114

Attn: Gary Widerburg
Commission Administrator

Re: Schedule 37—Avoided Cost Purchases from Qualifying Facilities (QF)
Docket No. 21-035-T05
Advice No. 21-03

In its February 12, 2009 Order in Docket No. 08-035-78 on Net Metering Service, the Public Service Commission of Utah (“Commission”) directed Rocky Mountain Power (the “Company”) to calculate and file Schedule 37 avoided costs annually in order to establish the value or credit for net excess generation of large commercial customers under Schedule 135 Net Metering Service. In its November 28, 2012 Order in Docket No. 12-035-T10, the Commission directed that future annual filings should be made within 30 days of filing the Company’s Integrated Resource Plan (“IRP”) or IRP Update, or by April 30 of each year, whichever occurs first.

Pursuant to Commission Rule 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, two appendices, and accompanying workpapers are submitted herewith for electronic filing in the above referenced matter.

The enclosed proposed tariff sheets are associated with Tariff P.S.C.U No. 51 of PacifiCorp, d.b.a. Rocky Mountain Power, applicable to electric service in the State of Utah. Pursuant to the requirement of Rule R746-405D, PacifiCorp states that the proposed tariff sheets do not constitute a violation of state law or Commission rule.

First Revision of Sheet No. 37.4	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
First Revision of Sheet No. 37.5	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
First Revision of Sheet No. 37.6	Schedule 37	Avoided Cost Purchases From Qualifying Facilities
First Revision of Sheet No. 37.7	Schedule 37	Avoided Cost Purchases From Qualifying Facilities

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It is respectfully requested that all formal correspondence and 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 Steward
Vice President, Regulation

Enclosures

Proposed Tariff Sheets
Redline Version

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</u> <u>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>2021</u>	<u>2.003</u>	<u>4.816</u>	<u>1.731</u>	<u>1.573</u>
<u>2022</u>	<u>2.080</u>	<u>3.863</u>	<u>1.882</u>	<u>1.759</u>
<u>2023</u>	<u>1.863</u>	<u>3.667</u>	<u>1.772</u>	<u>1.942</u>
<u>2024</u>	<u>1.596</u>	<u>3.328</u>	<u>1.494</u>	<u>1.797</u>
<u>2025</u>	<u>1.759</u>	<u>3.604</u>	<u>1.673</u>	<u>2.114</u>
<u>2026</u>	<u>2.743</u>	<u>5.815</u>	<u>2.681</u>	<u>3.269</u>
<u>2027</u>	<u>2.617</u>	<u>7.228</u>	<u>2.588</u>	<u>3.295</u>
<u>2028</u>	<u>2.903</u>	<u>7.560</u>	<u>2.884</u>	<u>3.536</u>
<u>2029</u>	<u>2.918</u>	<u>8.551</u>	<u>2.943</u>	<u>3.764</u>
<u>2030</u>	<u>2.872</u>	<u>8.309</u>	<u>2.955</u>	<u>3.902</u>
<u>2031</u>	<u>3.174</u>	<u>7.968</u>	<u>3.272</u>	<u>4.241</u>
<u>2032</u>	<u>3.384</u>	<u>7.759</u>	<u>3.523</u>	<u>4.469</u>
<u>2033</u>	<u>3.530</u>	<u>7.978</u>	<u>3.683</u>	<u>4.656</u>
<u>2034</u>	<u>3.575</u>	<u>8.213</u>	<u>3.782</u>	<u>4.800</u>
<u>2035</u>	<u>3.506</u>	<u>9.071</u>	<u>3.730</u>	<u>4.918</u>
<u>2036</u>	<u>3.593</u>	<u>9.929</u>	<u>3.806</u>	<u>5.029</u>
<u>2037</u>	<u>3.765</u>	<u>9.665</u>	<u>4.031</u>	<u>5.425</u>
<u>2038</u>	<u>3.753</u>	<u>10.278</u>	<u>4.068</u>	<u>5.473</u>

<u>Deliveries</u> <u>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>Deliveries</u> <u>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>2020</u>	<u>1.378</u>	<u>2.744</u>	<u>1.255</u>	<u>1.291</u>
<u>2021</u>	<u>1.594</u>	<u>2.520</u>	<u>1.446</u>	<u>1.227</u>
<u>2022</u>	<u>1.558</u>	<u>2.596</u>	<u>1.383</u>	<u>1.330</u>
<u>2023</u>	<u>1.630</u>	<u>2.488</u>	<u>1.501</u>	<u>1.513</u>
<u>2024</u>	<u>1.153</u>	<u>1.538</u>	<u>1.089</u>	<u>1.108</u>

(continued)

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2025	1.202	1.764	1.137	1.271
2026	2.784	4.546	2.645	3.280
2027	2.852	4.911	2.679	3.504
2028	3.235	5.222	3.077	3.854
2029	3.411	5.558	3.248	4.019
2030	3.354	5.577	3.174	4.131
2031	3.688	5.948	3.633	4.595
2032	4.196	6.365	4.137	5.042
2033	4.284	6.468	4.192	5.185
2034	4.481	6.609	4.429	5.353
2035	4.653	6.882	4.664	5.572
2036	4.756	7.130	4.738	5.771
2037	4.860	7.294	4.883	5.938
2038	4.949	7.433	4.981	6.052
2039	5.055	7.594	5.085	6.175

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 (2021-2035) Nominal Levelized</u>	2.528	6.005	2.493	3.008

	<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 (2021-2035) Nominal Levelized</u>	2.618	4.118	2.500	2.954

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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>2021</u>	<u>1.537</u>	<u>2.586</u>	<u>1.336</u>	<u>0.902</u>
<u>2022</u>	<u>1.565</u>	<u>2.357</u>	<u>1.419</u>	<u>1.109</u>
<u>2023</u>	<u>1.473</u>	<u>2.235</u>	<u>1.401</u>	<u>1.208</u>
<u>2024 (3)</u>	<u>0.857</u>	<u>2.005</u>	<u>0.809</u>	<u>1.105</u>
<u>2025</u>	<u>1.067</u>	<u>1.979</u>	<u>1.033</u>	<u>1.211</u>
<u>2026</u>	<u>1.023</u>	<u>2.216</u>	<u>1.009</u>	<u>1.252</u>
<u>2027</u>	<u>0.950</u>	<u>2.686</u>	<u>0.958</u>	<u>1.248</u>
<u>2028</u>	<u>1.199</u>	<u>3.184</u>	<u>1.212</u>	<u>1.518</u>
<u>2029</u>	<u>1.209</u>	<u>3.633</u>	<u>1.254</u>	<u>1.618</u>
<u>2030</u>	<u>1.054</u>	<u>3.132</u>	<u>1.101</u>	<u>1.453</u>
<u>2031</u>	<u>1.181</u>	<u>3.043</u>	<u>1.242</u>	<u>1.637</u>
<u>2032</u>	<u>1.342</u>	<u>3.168</u>	<u>1.424</u>	<u>1.859</u>
<u>2033</u>	<u>1.306</u>	<u>3.030</u>	<u>1.380</u>	<u>1.784</u>
<u>2034</u>	<u>1.313</u>	<u>3.094</u>	<u>1.418</u>	<u>1.835</u>
<u>2035</u>	<u>1.273</u>	<u>3.400</u>	<u>1.397</u>	<u>1.861</u>
<u>2036</u>	<u>1.420</u>	<u>4.033</u>	<u>1.530</u>	<u>2.067</u>
<u>2037</u>	<u>1.648</u>	<u>4.379</u>	<u>1.795</u>	<u>2.473</u>
<u>2038</u>	<u>1.618</u>	<u>4.552</u>	<u>1.789</u>	<u>2.482</u>

<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>2020</u>	<u>1.129</u>	<u>1.813</u>	<u>1.025</u>	<u>0.846</u>
<u>2021</u>	<u>1.158</u>	<u>1.718</u>	<u>1.059</u>	<u>0.852</u>
<u>2022</u>	<u>1.224</u>	<u>1.815</u>	<u>1.094</u>	<u>0.947</u>
<u>2023</u>	<u>1.276</u>	<u>1.824</u>	<u>1.180</u>	<u>1.128</u>
<u>2024 (3)</u>	<u>0.815</u>	<u>1.323</u>	<u>0.769</u>	<u>0.950</u>
<u>2025</u>	<u>0.870</u>	<u>1.395</u>	<u>0.830</u>	<u>1.013</u>
<u>2026</u>	<u>0.945</u>	<u>1.551</u>	<u>0.900</u>	<u>1.120</u>
<u>2027</u>	<u>1.059</u>	<u>1.825</u>	<u>1.000</u>	<u>1.319</u>
<u>2028</u>	<u>1.298</u>	<u>2.095</u>	<u>1.238</u>	<u>1.562</u>
<u>2029</u>	<u>1.475</u>	<u>2.406</u>	<u>1.412</u>	<u>1.750</u>
<u>2030</u>	<u>1.167</u>	<u>1.948</u>	<u>1.104</u>	<u>1.428</u>
<u>2031</u>	<u>1.419</u>	<u>2.293</u>	<u>1.401</u>	<u>1.779</u>

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2032	1.706	2.594	1.682	2.073
2033	1.810	2.743	1.771	2.215
2034	1.863	2.762	1.845	2.257
2035	1.901	2.829	1.920	2.301
2036	2.165	3.268	2.156	2.654
2037	2.002	3.029	2.017	2.467
2038	2.186	3.303	2.212	2.713
2039	2.234	3.375	2.254	2.761

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2021-2035)</u> <u>Nominal Levelized</u>	<u>1.237</u>	<u>2.667</u>	<u>1.213</u>	<u>1.350</u>

(1): On- and off- peak prices are reduced by integration charges

(2): Levelized prices reflect a 0.5% annual degradation rate

(3): Renewable energy credits transfer to the utility starting in 2024

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2021-2035)</u> <u>Nominal Levelized</u>	<u>1.255</u>	<u>1.953</u>	<u>1.194</u>	<u>1.368</u>

~~(1): On and off peak prices are reduced by integration charges~~

~~(2): Levelized prices reflect a 0.5% annual degradation rate~~

~~(3): Renewable energy credits transfer to the utility starting in 2024~~

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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>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
<u>Calendar Year</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2021</u>	<u>1.555</u>	<u>2.679</u>	<u>1.359</u>	<u>0.920</u>
<u>2022</u>	<u>1.604</u>	<u>2.404</u>	<u>1.443</u>	<u>1.148</u>
<u>2023</u>	<u>1.482</u>	<u>2.273</u>	<u>1.381</u>	<u>1.237</u>
<u>2024</u>	<u>1.104</u>	<u>2.654</u>	<u>1.036</u>	<u>1.450</u>
<u>2025</u>	<u>1.323</u>	<u>2.536</u>	<u>1.293</u>	<u>1.538</u>
<u>2026</u>	<u>1.263</u>	<u>2.838</u>	<u>1.252</u>	<u>1.586</u>
<u>2027</u>	<u>1.112</u>	<u>3.272</u>	<u>1.129</u>	<u>1.494</u>
<u>2028</u>	<u>1.276</u>	<u>3.546</u>	<u>1.306</u>	<u>1.664</u>
<u>2029</u>	<u>1.288</u>	<u>4.015</u>	<u>1.336</u>	<u>1.768</u>
<u>2030</u>	<u>1.183</u>	<u>3.661</u>	<u>1.250</u>	<u>1.686</u>
<u>2031</u>	<u>1.353</u>	<u>3.654</u>	<u>1.448</u>	<u>1.934</u>
<u>2032</u>	<u>1.554</u>	<u>3.849</u>	<u>1.660</u>	<u>2.220</u>
<u>2033</u>	<u>1.497</u>	<u>3.651</u>	<u>1.593</u>	<u>2.113</u>
<u>2034</u>	<u>1.524</u>	<u>3.780</u>	<u>1.661</u>	<u>2.200</u>
<u>2035</u>	<u>1.435</u>	<u>3.996</u>	<u>1.569</u>	<u>2.150</u>
<u>2036</u>	<u>1.519</u>	<u>4.546</u>	<u>1.654</u>	<u>2.276</u>
<u>2037</u>	<u>1.707</u>	<u>4.779</u>	<u>1.878</u>	<u>2.640</u>
<u>2038</u>	<u>1.649</u>	<u>4.904</u>	<u>1.826</u>	<u>2.591</u>

<u>Deliveries During</u>	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (1)</u>	
<u>Calendar Year</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>2020</u>	<u>1.173</u>	<u>1.827</u>	<u>1.086</u>	<u>0.860</u>
<u>2021</u>	<u>1.196</u>	<u>1.708</u>	<u>1.092</u>	<u>0.841</u>
<u>2022</u>	<u>1.227</u>	<u>1.794</u>	<u>1.096</u>	<u>0.936</u>
<u>2023</u>	<u>1.284</u>	<u>1.810</u>	<u>1.188</u>	<u>1.113</u>
<u>2024</u>	<u>1.166</u>	<u>1.920</u>	<u>1.100</u>	<u>1.366</u>
<u>2025</u>	<u>1.207</u>	<u>1.961</u>	<u>1.160</u>	<u>1.413</u>
<u>2026</u>	<u>1.287</u>	<u>2.146</u>	<u>1.226</u>	<u>1.539</u>
<u>2027</u>	<u>1.352</u>	<u>2.371</u>	<u>1.274</u>	<u>1.689</u>
<u>2028</u>	<u>1.584</u>	<u>2.592</u>	<u>1.519</u>	<u>1.916</u>
<u>2029</u>	<u>1.723</u>	<u>2.845</u>	<u>1.643</u>	<u>2.053</u>
<u>2030</u>	<u>1.459</u>	<u>2.464</u>	<u>1.377</u>	<u>1.800</u>
<u>2031</u>	<u>1.723</u>	<u>2.822</u>	<u>1.709</u>	<u>2.172</u>
<u>2032</u>	<u>1.946</u>	<u>3.003</u>	<u>1.912</u>	<u>2.379</u>
<u>2033</u>	<u>2.020</u>	<u>3.108</u>	<u>1.971</u>	<u>2.492</u>

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ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

2034	2.077	3.126	2.062	2.537
2035	2.205	3.328	2.209	2.692
2036	2.244	3.442	2.230	2.780
2037	2.246	3.448	2.260	2.799
2038	2.433	3.733	2.457	3.044
2039	2.486	3.814	2.505	3.101

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2021-2035)</u> <u>Nominal Levelized</u>	1.372	3.086	1.352	1.559

(1): On- and off- peak prices are reduced by integration charges

(2): Levelized prices reflect a 0.5% annual degradation rate

(3): Renewable energy credits transfer to the utility starting in 2024

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
<u>15-year (2021-2035)</u> <u>Nominal Levelized</u>	1.467	2.307	1.397	1.622

~~-(1): On and off peak prices are reduced by integration charges~~

~~-(2): Levelized prices reflect a 0.5% annual degradation rate~~

~~-(3): Renewable energy credits transfer to the utility starting in 2024~~

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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	On-Peak Energy Prices (¢/kWh)		Off-Peak Energy Prices (¢/kWh) (1)	
Calendar Year	Winter	Summer	Winter	Summer
<u>2021</u>	<u>1.961</u>	<u>4.666</u>	<u>1.765</u>	<u>1.590</u>
<u>2022</u>	<u>2.015</u>	<u>3.531</u>	<u>1.864</u>	<u>1.799</u>
<u>2023</u>	<u>2.001</u>	<u>5.274</u>	<u>1.921</u>	<u>2.983</u>
<u>2024</u>	<u>2.270</u>	<u>4.851</u>	<u>2.144</u>	<u>2.857</u>
<u>2025</u>	<u>2.450</u>	<u>4.114</u>	<u>2.354</u>	<u>2.683</u>
<u>2026</u>	<u>2.424</u>	<u>4.809</u>	<u>2.397</u>	<u>2.855</u>
<u>2027</u>	<u>2.262</u>	<u>5.890</u>	<u>2.333</u>	<u>2.883</u>
<u>2028</u>	<u>2.443</u>	<u>5.591</u>	<u>2.485</u>	<u>3.034</u>
<u>2029</u>	<u>2.384</u>	<u>6.204</u>	<u>2.462</u>	<u>3.064</u>
<u>2030</u>	<u>2.410</u>	<u>6.216</u>	<u>2.524</u>	<u>3.268</u>
<u>2031</u>	<u>2.601</u>	<u>5.874</u>	<u>2.708</u>	<u>3.448</u>
<u>2032</u>	<u>2.638</u>	<u>5.718</u>	<u>2.869</u>	<u>3.527</u>
<u>2033</u>	<u>4.888</u>	<u>9.988</u>	<u>5.263</u>	<u>6.570</u>
<u>2034</u>	<u>4.998</u>	<u>10.143</u>	<u>5.431</u>	<u>6.829</u>
<u>2035</u>	<u>4.919</u>	<u>11.497</u>	<u>5.387</u>	<u>6.894</u>
<u>2036</u>	<u>5.001</u>	<u>12.347</u>	<u>5.329</u>	<u>6.885</u>
<u>2037</u>	<u>5.120</u>	<u>12.114</u>	<u>5.586</u>	<u>7.176</u>
<u>2038</u>	<u>5.078</u>	<u>13.024</u>	<u>5.754</u>	<u>7.394</u>

Deliveries During	On-Peak Energy Prices (¢/kWh)		Off-Peak Energy Prices (¢/kWh) (1)	
Calendar Year	Winter	Summer	Winter	Summer
<u>2020</u>	<u>1.112</u>	<u>2.047</u>	<u>1.007</u>	<u>1.006</u>
<u>2021</u>	<u>1.317</u>	<u>2.157</u>	<u>1.213</u>	<u>1.082</u>
<u>2022</u>	<u>1.457</u>	<u>2.193</u>	<u>1.301</u>	<u>1.196</u>
<u>2023</u>	<u>2.289</u>	<u>4.211</u>	<u>2.108</u>	<u>2.724</u>
<u>2024</u>	<u>2.473</u>	<u>3.828</u>	<u>2.339</u>	<u>2.874</u>
<u>2025</u>	<u>2.499</u>	<u>3.817</u>	<u>2.388</u>	<u>2.867</u>
<u>2026</u>	<u>2.589</u>	<u>4.064</u>	<u>2.474</u>	<u>3.006</u>
<u>2027</u>	<u>2.581</u>	<u>4.315</u>	<u>2.458</u>	<u>3.141</u>
<u>2028</u>	<u>2.726</u>	<u>4.180</u>	<u>2.608</u>	<u>3.266</u>
<u>2029</u>	<u>2.781</u>	<u>4.294</u>	<u>2.664</u>	<u>3.250</u>
<u>2030</u>	<u>2.800</u>	<u>4.429</u>	<u>2.657</u>	<u>3.421</u>
<u>2031</u>	<u>2.864</u>	<u>4.434</u>	<u>2.828</u>	<u>3.544</u>
<u>2032</u>	<u>2.945</u>	<u>4.387</u>	<u>2.932</u>	<u>3.519</u>
<u>2033</u>	<u>5.450</u>	<u>8.020</u>	<u>5.385</u>	<u>6.647</u>
<u>2034</u>	<u>5.551</u>	<u>7.906</u>	<u>5.526</u>	<u>6.692</u>

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FILED: ~~January 13~~ April 30, 2021
June 1, 2021

EFFECTIVE: ~~January~~

ELECTRIC SERVICE SCHEDULE NO. 37 - Continued

<u>2035</u>	<u>5.641</u>	<u>8.048</u>	<u>5.694</u>	<u>6.737</u>
<u>2036</u>	<u>5.758</u>	<u>8.362</u>	<u>5.744</u>	<u>6.975</u>
<u>2037</u>	<u>5.858</u>	<u>8.573</u>	<u>5.916</u>	<u>7.130</u>
<u>2038</u>	<u>5.954</u>	<u>8.817</u>	<u>6.091</u>	<u>7.279</u>
<u>2039</u>	<u>6.101</u>	<u>8.920</u>	<u>6.195</u>	<u>7.463</u>

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 (2021-2035)</u> <u>Nominal Levelized</u>	<u>2.619</u>	<u>5.782</u>	<u>2.647</u>	<u>3.238</u>

(1): On- and off- peak prices are reduced by integration charges

(2): Renewable energy credits transfer to the utility starting in 2023

	<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 (2021-2035)</u> <u>Nominal Levelized</u>	<u>2.751</u>	<u>4.264</u>	<u>2.645</u>	<u>3.180</u>

-(1): On and off peak prices are reduced by integration charges

-(2): Renewable energy credits transfer to the utility starting in 2023

Proposed Tariff Sheets
Clean Version

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>
	2021	2.003	4.816	1.731
2022	2.080	3.863	1.882	1.759
2023	1.863	3.667	1.772	1.942
2024	1.596	3.328	1.494	1.797
2025	1.759	3.604	1.673	2.114
2026	2.743	5.815	2.681	3.269
2027	2.617	7.228	2.588	3.295
2028	2.903	7.560	2.884	3.536
2029	2.918	8.551	2.943	3.764
2030	2.872	8.309	2.955	3.902
2031	3.174	7.968	3.272	4.241
2032	3.384	7.759	3.523	4.469
2033	3.530	7.978	3.683	4.656
2034	3.575	8.213	3.782	4.800
2035	3.506	9.071	3.730	4.918
2036	3.593	9.929	3.806	5.029
2037	3.765	9.665	4.031	5.425
2038	3.753	10.278	4.068	5.473

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 (2021-2035) Nominal Levelized	2.528	6.005	2.493	3.008

(continued)

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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

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>
2021	1.537	2.586	1.336	0.902
2022	1.565	2.357	1.419	1.109
2023	1.473	2.235	1.401	1.208
2024 (3)	0.857	2.005	0.809	1.105
2025	1.067	1.979	1.033	1.211
2026	1.023	2.216	1.009	1.252
2027	0.950	2.686	0.958	1.248
2028	1.199	3.184	1.212	1.518
2029	1.209	3.633	1.254	1.618
2030	1.054	3.132	1.101	1.453
2031	1.181	3.043	1.242	1.637
2032	1.342	3.168	1.424	1.859
2033	1.306	3.030	1.380	1.784
2034	1.313	3.094	1.418	1.835
2035	1.273	3.400	1.397	1.861
2036	1.420	4.033	1.530	2.067
2037	1.648	4.379	1.795	2.473
2038	1.618	4.552	1.789	2.482

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2021-2035) Nominal Levelized	1.237	2.667	1.213	1.350

(1): On- and off- peak prices are reduced by integration charges

(2): Levelized prices reflect a 0.5% annual degradation rate

(3): Renewable energy credits transfer to the utility starting in 2024

(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

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>
2021	1.555	2.679	1.359	0.920
2022	1.604	2.404	1.443	1.148
2023	1.482	2.273	1.381	1.237
2024	1.104	2.654	1.036	1.450
2025	1.323	2.536	1.293	1.538
2026	1.263	2.838	1.252	1.586
2027	1.112	3.272	1.129	1.494
2028	1.276	3.546	1.306	1.664
2029	1.288	4.015	1.336	1.768
2030	1.183	3.661	1.250	1.686
2031	1.353	3.654	1.448	1.934
2032	1.554	3.849	1.660	2.220
2033	1.497	3.651	1.593	2.113
2034	1.524	3.780	1.661	2.200
2035	1.435	3.996	1.569	2.150
2036	1.519	4.546	1.654	2.276
2037	1.707	4.779	1.878	2.640
2038	1.649	4.904	1.826	2.591

Levelized Prices (Nominal)(3)

	<u>On-Peak Energy Prices (¢/kWh)</u>		<u>Off-Peak Energy Prices (¢/kWh) (2)</u>	
	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
15-year (2021-2035) Nominal Levelized	1.372	3.086	1.352	1.559

(1): On- and off- peak prices are reduced by integration charges

(2): Levelized prices reflect a 0.5% annual degradation rate

(3): Renewable energy credits transfer to the utility starting in 2024

(continued)

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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>
2021	1.961	4.666	1.765	1.590
2022	2.015	3.531	1.864	1.799
2023	2.001	5.274	1.921	2.983
2024	2.270	4.851	2.144	2.857
2025	2.450	4.114	2.354	2.683
2026	2.424	4.809	2.397	2.855
2027	2.262	5.890	2.333	2.883
2028	2.443	5.591	2.485	3.034
2029	2.384	6.204	2.462	3.064
2030	2.410	6.216	2.524	3.268
2031	2.601	5.874	2.708	3.448
2032	2.638	5.718	2.869	3.527
2033	4.888	9.988	5.263	6.570
2034	4.998	10.143	5.431	6.829
2035	4.919	11.497	5.387	6.894
2036	5.001	12.347	5.329	6.885
2037	5.120	12.114	5.586	7.176
2038	5.078	13.024	5.754	7.394

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 (2021-2035) Nominal Levelized	2.619	5.782	2.647	3.238

(1): On- and off- peak prices are reduced by integration charges

(2): Renewable energy credits transfer to the utility starting in
2023

Appendix 1

East

Expansion Resources																							
CCCT - D/Johns - J 1x1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	505	-	-	505	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	505	-	-	505	
SCCT Frame NTN	-	-	-	-	-	-	-	185	-	-	-	370	-	-	-	-	-	-	-	-	-	185	555
SCCT Frame WYSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370
Total SCCT	-	-	-	-	-	-	-	185	-	-	-	370	-	-	-	-	-	-	-	-	-	-	925
Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,040
Wind, UT	-	-	-	-	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69
Wind, WYAE	-	-	-	-	-	-	1,920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,920
Wind+Storage, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Total Wind	-	-	-	-	-	69	1,920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,989
Utility Solar+Storage - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231
Utility Solar+Storage - PV - Huntington	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	909
Utility Solar+Storage - PV - Utah-N	-	-	-	159	64	3	674	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900
Total Solar	-	-	-	159	64	3	904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,131
Demand Response, ID-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2
Demand Response, UT-Cool/WH	4.1	-	-	7.0	-	-	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7
Demand Response, UT-3rd Party Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8
Demand Response, UT-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
Demand Response, UT-Thermostat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
Demand Response, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116.7
Demand Response, WY-3rd Party Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2
Demand Response, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3
Demand Response, WY-Thermostat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8
Demand Response, WY-Ancillary Services	-	-	-	-	-	-	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5
Demand Response, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2
Demand Response, WY-Ancillary Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0
Demand Response Total	4.1	-	-	7.0	-	-	18.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	123.3
Energy Efficiency, ID	6	6	6	7	7	7	7	7	7	7	7	7	6	6	6	5	4	4	3	3	3	3	69
Energy Efficiency, UT	58	67	67	68	69	68	67	65	62	57	56	52	52	48	36	32	25	22	23	23	23	23	656
Energy Efficiency, WY	10	10	11	14	15	16	16	18	18	17	16	15	13	12	11	9	8	7	5	5	5	5	146
Energy Efficiency Total	74	83	85	88	92	92	91	90	87	80	77	72	70	65	49	45	35	30	32	32	32	32	870
Battery Storage - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195
Battery Storage - WYSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.0
Battery Storage - Idaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150.0
FOT East - Summer	-	-	-	-	-	-	-	-	-	88	300	199	174	206	298	300	300	300	300	300	300	9	138

West	Existing Plant Retirements and PPA Terminatio																				(351)	(351)
JimBridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	(351)	-	-	-	-	-	-	-	-	-	-	-	-	-	(351)	(351)	
JimBridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	(356)	-	-	-	-	-	-	-	-	-	(356)	
JimBridger 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(349)	(349)	
JimBridger 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(353)	(353)	
Hermiston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(237)	(237)	
Retire - Hydro	-	(1)	(169)	-	(1)	-	-	(1)	-	(7)	-	-	-	-	-	(75)	-	-	-	(179)	(262)	
Expire - Wind PPA	-	-	-	(175)	-	(41)	-	-	-	-	(75)	(10)	-	(6)	(20)	(20)	-	-	(10)	(10)	(216)	
Expire - Solar PPA	-	-	-	-	-	-	-	-	-	(2)	-	-	(67)	(49)	-	-	-	(1)	(115)	(175)	(11)	
Expansion Resources																						
SCCT Frame WV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	443	443	
Total SCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	443	443	
Wind+Storage, YK	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	11	20	
Total Wind	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	11	20	
Utility Solar+Storage - PV - Jbridger	-	-	-	-	-	354	-	-	-	-	359	-	-	-	-	-	-	-	-	702	354	
Utility Solar+Storage - PV - S-Oregon	-	-	-	-	-	500	-	-	-	-	-	-	-	-	-	-	-	-	-	500	975	
Utility Solar+Storage - PV - Yakima	-	-	-	-	-	395	-	-	-	-	-	-	-	-	-	-	-	-	-	419	395	
Total Solar	-	-	-	-	-	1,249	-	-	-	-	359	-	-	-	-	-	-	-	-	419	702	
Demand Response, OR-Ancillary Services	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	8	
Demand Response, WA-Ancillary Services	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	1.9	
Demand Response, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.5	
Demand Response, CA-3rd Party Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1.1	
Demand Response, CA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	4.8	
Demand Response, CA-Thermostat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	5.8	
Demand Response, OR-3rd Party Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	10.9	
Demand Response, OR-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.3	13.3	
Demand Response, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	7.7	
Demand Response, WA-3rd Party Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	10.9	
Demand Response, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	8.3	
Demand Response, WA-Thermostat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.6	16.6	
Demand Response Total	-	-	-	-	-	-	-	-	-	-	9.4	-	-	-	-	-	-	-	-	48.8	32.1	
Energy Efficiency, CA	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	18	
Energy Efficiency, OR	40	37	37	42	41	46	43	41	41	38	35	32	31	30	26	26	25	25	24	23	405	
Energy Efficiency, WA	11	10	10	11	12	12	12	11	11	11	10	9	9	8	8	6	6	5	4	4	111	
Energy Efficiency Total	52	49	48	55	55	59	56	54	54	51	46	43	42	40	35	33	33	30	29	28	533	
Battery Storage - S-Oregon	-	-	-	-	-	-	-	-	-	-	210	-	-	-	60	-	-	-	-	180	450	
Battery Storage - Willamette Valley	-	-	-	-	-	-	-	-	-	-	75	45	-	-	-	-	-	-	-	75	120	
Battery Storage - Portland NC	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	-	-	105	
Battery Storage - Walla Walla	-	-	-	-	-	-	-	-	-	-	75	-	-	-	60	-	-	-	-	60	195	
Battery Storage - Yakima	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	-	-	105	
FOT West - Summer	998	719	493	503	498	131	126	191	264	1,075	1,075	1,075	1,075	1,075	1,075	1,075	1,074	977	1,074	1,075	500	
FOT West - Winter	151	131	268	303	314	44	51	53	100	232	222	173	192	128	63	-	35	-	-	165	123	
Existing Plant Retirements/Conversions	-	(61)	(573)	(224)	(1)	(412)	-	(505)	(85)	(912)	(449)	(396)	(350)	(114)	(557)	(156)	(36)	(280)	(2,260)	(745)		
Annual Additions, Long Term Resources	130	132	299	206	237	4,225	155	336	143	318	1,063	2,038	144	303	574	82	93	488	2,355	1,530		
Annual Additions, Short Term Resources	1,149	850	761	806	812	175	177	244	364	1,394	1,597	1,447	1,441	1,409	1,435	1,375	1,410	1,277	1,374	1,375		
Total Annual Additions	1,279	982	1,060	1,012	1,049	4,400	333	580	507	1,712	2,661	3,485	1,584	1,712	2,010	1,457	1,503	1,765	3,729	2,905		

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20-year annual average.

Contracts Queue					
No.	Signed Contracts	Partial Displacement	Name plate	Capacity Contribution	Start Date
1	Cypress Creek Renewables - Merrill Solar LLC	-1.5	-10.0	14.9%	2020 01 01
2	OR Solar 7, LLC (Jacksonville)	-1.5	-10.0	14.9%	2020 01 01
3	Graphite Solar I	5.7	80.0	7.1%	2022 01 01
4	Mariah Wind	-5.8	-10.0	57.5%	2020 01 01
5	Orem Family wind	-5.8	-10.0	57.5%	2020 01 01
6	Horseshoe Solar	6.2	75.0	8.3%	2022 11 01
7	Rocket Solar	6.6	80.0	8.2%	2022 11 01
8	Skysol Solar QF	6.4	55.0	11.6%	2023 03 01
9	Appaloosa Solar I-A	8.5	120.0	7.1%	2023 10 01
10	Appaloosa Solar I-B	5.7	80.0	7.1%	2023 10 01
11	Birch Creek Hydro QF PPA (pending commission approval)	1.4	2.7	53.1%	2022 04 01
12	Fall Creek Rural Electric Co-op QF PPA (pending commission approval)	4.0	7.5	53.1%	2021 04 01
13	Captain Jack Solar QF PPA	0.4	2.7	14.8%	2021 10 01
14	Elektron Solar PPA 1	1.0	10.2	10.0%	2022 12 31
15	Elektron Solar PPA 2	6.9	69.8	9.9%	2022 12 31
16	Castle Solar, LLC, PPA	2.0	20.0	10.0%	2021 12 31
17	Tesoro Non Firm	0.0	25.0	0.0%	2021 01 01
18	Kennecott Smelter Non Firm	0.0	31.8	0.0%	2021 01 01
19	Kennecott Refinery Non Firm	0.0	6.2	0.0%	2021 01 01
20	Exxon Mobil	0.0	98.0	0.0%	2020 01 01
21	US MagCorp Non-Firm	0.0	36.0	0.0%	2021 01 01
22	Yakima Tieton Cowiche	0.4	1.47	26.5%	2021 01 01
23	Yakima Tieton Orchard	0.35	1.44	24.3%	2021 01 01
Total Signed MW		40.97	40.00		

	Capacity Factor (%)	Capacity Contribution (%)	
	Annual	S	W
Summer/Winter:			
Solar & Storage			
Idaho Falls, ID	28%	33%	37%
Lakeview, OR	29%	35%	39%
Milford, UT	32%	30%	48%
Yakima, WA	25%	33%	34%
Rock Springs, WY	30%	31%	43%
Wind & Storage			
Pocatello, ID	37%	38%	50%
Arlington, OR	37%	77%	44%
Monticello, UT	29%	37%	44%
Goldendale, WA	37%	76%	44%
Medicine Bow, WY	44%	32%	58%

Table N.4 – Final CF Method Capacity Contribution Values for Wind, Solar, and Storage

	Capacity Factor (%)	Capacity Contribution (%)	
	Annual	S	W
Summer/Winter:			
Solar			
Idaho Falls, ID	28%	12%	13%
Lakeview, OR	29%	15%	14%
Milford, UT	32%	10%	23%
Yakima, WA	25%	12%	10%
Rock Springs, WY	30%	11%	19%
Wind			
Pocatello, ID	37%	19%	27%
Arlington, OR	37%	57%	21%
Monticello, UT	29%	18%	22%
Goldendale, WA	37%	57%	21%
Medicine Bow, WY	44%	13%	35%
Stand-alone Storage			
2 hour duration		78%	89%
4 hour duration		94%	100%
9 hour duration		98%	100%

Table 3
Comparison between Proposed and Current Avoided Costs

Year	BASE LOAD			WIND			SOLAR FIXED			SOLAR TRACKING		
	Proposed	Current	Total Difference	Proposed	Current	Total Difference	Proposed	Current	Total Difference	Proposed	Current	Total Difference
	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
	(a) - (b)			(d) - (e)			(g) - (h)			(j) - (k)		
2021	\$23.87	\$16.70	\$7.17	\$21.35	\$13.25	\$8.10	\$18.02	\$13.02	\$5.00	\$18.39	\$13.17	\$5.22
2022	\$23.09	\$16.68	\$6.41	\$20.95	\$14.26	\$6.69	\$17.67	\$13.77	\$3.91	\$18.03	\$13.70	\$4.34
2023	\$21.86	\$17.36	\$4.50	\$26.25	\$25.69	\$0.56	\$16.86	\$14.27	\$2.59	\$17.06	\$14.29	\$2.77
2024	\$19.20	\$12.00	\$7.20	\$26.92	\$26.91	\$0.01	\$12.26	\$9.77	\$2.48	\$16.43	\$14.28	\$2.15
2025	\$21.31	\$12.98	\$8.33	\$26.81	\$27.13	(\$0.33)	\$13.57	\$10.38	\$3.18	\$17.41	\$14.71	\$2.70
2026	\$33.77	\$31.46	\$2.31	\$28.21	\$28.34	(\$0.13)	\$14.08	\$11.41	\$2.67	\$18.13	\$15.89	\$2.24
2027	\$35.71	\$32.83	\$2.89	\$29.00	\$28.91	\$0.10	\$15.10	\$13.08	\$2.02	\$18.64	\$17.14	\$1.50
2028	\$38.62	\$36.52	\$2.11	\$30.02	\$29.97	\$0.05	\$18.38	\$15.57	\$2.81	\$20.66	\$19.43	\$1.23
2029	\$41.04	\$38.55	\$2.49	\$30.64	\$30.42	\$0.21	\$19.95	\$17.76	\$2.18	\$22.41	\$21.18	\$1.23
2030	\$40.66	\$38.32	\$2.34	\$31.46	\$31.03	\$0.42	\$17.31	\$14.21	\$3.10	\$20.58	\$18.16	\$2.42
2031	\$42.57	\$42.28	\$0.29	\$32.64	\$32.16	\$0.48	\$17.96	\$17.13	\$0.84	\$21.81	\$21.30	\$0.51
2032	\$44.03	\$47.09	(\$3.06)	\$33.35	\$32.63	\$0.71	\$19.52	\$20.04	(\$0.52)	\$23.89	\$23.35	\$0.54
2033	\$45.73	\$47.98	(\$2.25)	\$60.91	\$60.44	\$0.47	\$18.81	\$21.23	(\$2.42)	\$22.80	\$24.22	(\$1.42)
2034	\$46.84	\$49.92	(\$3.09)	\$62.65	\$61.20	\$1.45	\$19.11	\$21.67	(\$2.55)	\$23.51	\$24.68	(\$1.17)
2035	\$48.21	\$52.08	(\$3.88)	\$64.16	\$62.36	\$1.81	\$19.85	\$22.18	(\$2.32)	\$23.66	\$26.25	(\$2.59)
2036	\$50.53	\$53.44	(\$2.91)	\$65.19	\$63.81	\$1.38	\$22.86	\$25.39	(\$2.53)	\$26.08	\$26.92	(\$0.84)
2037	\$51.91	\$54.81	(\$2.89)	\$66.89	\$65.37	\$1.52	\$25.66	\$23.53	\$2.12	\$28.33	\$27.00	\$1.33
2038	\$53.19	\$55.85	(\$2.66)	\$69.12	\$66.95	\$2.18	\$26.04	\$25.71	\$0.33	\$28.36	\$29.27	(\$0.90)

(x) Extrapolated

15 Year (2022 to 2036) Levelized Prices (Nominal) @ 6.92% Discount Rate													
\$/MWH	\$34.05	\$31.47	\$2.58	\$34.29	\$33.26	\$1.04	\$17.01	\$15.41	\$1.59	\$19.97	\$18.47	\$1.51	
15 Year (2023 to 2037) Levelized Prices (Nominal) @ 6.92% Discount Rate													
\$/MWH	\$35.96	\$34.02	\$1.94	\$37.06	\$36.62	\$0.44	\$17.28	\$15.92	\$1.36	\$20.52	\$19.33	\$1.19	
15 Year (2024 to 2038) Levelized Prices (Nominal) @ 6.92% Discount Rate													
\$/MWH	\$38.19	\$36.71	\$1.48	\$39.52	\$39.03	\$0.49	\$17.68	\$16.49	\$1.19	\$21.21	\$20.28	\$0.93	

	Generation Profile_Baseload	Generation Profile_Wind*	Generation Profile_Solar Fixed	Generation Profile_Solar Trackin
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	West Side	IRP - Wyo NE
	(a)	(b)
2021	\$2.87	\$2.34
2022	\$2.73	\$2.51
2023	\$2.60	\$2.38
2024	\$2.85	\$2.65
2025	\$3.20	\$3.02
2026	\$3.28	\$3.15
2027	\$3.44	\$3.25
2028	\$3.67	\$3.50
2029	\$3.98	\$3.85
2030	\$4.14	\$4.00
2031	\$4.28	\$4.12
2032	\$4.33	\$4.19
2033	\$4.52	\$4.44
2034	\$4.56	\$4.50
2035	\$4.58	\$4.58
2036	\$4.65	\$4.69
2037	\$4.78	\$4.79
2038	\$4.88	\$4.97

Source

Official Forward Price Curve dated March 31 2021

Table 5
Electricity Market Prices
\$/MWH

Year	Market Price \$/MWH			
	HLH		LLH	
	Mid-Columbia	Palo Verde	Mid-Columbia	Palo Verde
	(a)	(b)	(c)	(d)
2021	\$43.49	\$80.72	\$27.86	\$40.15
2022	\$38.42	\$59.99	\$26.56	\$37.13
2023	\$36.22	\$50.61	\$24.80	\$35.52
2024	\$36.91	\$47.32	\$24.99	\$34.83
2025	\$38.79	\$43.43	\$25.72	\$34.37
2026	\$43.15	\$47.57	\$27.29	\$36.36
2027	\$51.54	\$56.62	\$28.49	\$38.47
2028	\$52.65	\$59.03	\$30.15	\$41.07
2029	\$58.38	\$66.33	\$32.36	\$44.78
2030	\$58.81	\$66.06	\$32.78	\$46.63
2031	\$55.37	\$65.01	\$32.04	\$49.14
2032	\$52.86	\$64.45	\$32.36	\$51.07
2033	\$51.58	\$65.52	\$32.89	\$52.38
2034	\$52.02	\$65.90	\$33.08	\$52.94
2035	\$56.74	\$71.59	\$34.62	\$55.38
2036	\$59.90	\$76.93	\$35.29	\$57.04
2037	\$58.91	\$73.73	\$35.50	\$57.84
2038	\$60.21	\$78.47	\$36.78	\$60.02

Source

Official Forward Price Curve dated March 31 2021

**Table 6
Integration Costs
\$/MWh**

Year	Wind Integration \$/MWh	Solar Integration \$/MWh
2018	\$0.50	\$0.41
2019	\$0.30	\$0.25
2020	\$0.39	\$0.31
2021	\$0.19	\$0.15
2022	\$0.27	\$0.22
2023	\$0.29	\$0.24
2024	\$0.35	\$0.29
2025	\$0.61	\$0.50
2026	\$0.45	\$0.37
2027	\$0.69	\$0.56
2028	\$0.93	\$0.76
2029	\$1.29	\$1.05
2030	\$1.61	\$1.31
2031	\$1.63	\$1.32
2032	\$1.74	\$1.42
2033	\$1.79	\$1.45
2034	\$1.75	\$1.42
2035	\$1.72	\$1.40
2036	\$1.58	\$1.28
2037	\$1.61 (x)	\$1.31 (x)
2038	\$1.65 (x)	\$1.34 (x)
2039	\$1.69 (x)	\$1.38 (x)
2040	\$1.73 (x)	\$1.41 (x)
2041	\$1.77 (x)	\$1.44 (x)
2042	\$1.81 (x)	\$1.47 (x)

Source: 2019 Integrated Resource Plan. Volume II, Appendix F, Figure F.15

(x) Extrapolated

Appendix 2

ROCKY MOUNTAIN POWER
AVOIDED COST CALCULATION

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

UTAH – Apr 2021

**ROCKY MOUNTAIN POWER
AVOIDED COST CALCULATION**

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

UTAH – April 2021

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 the 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.

The proposed rates are based on the Schedule 38 avoided cost inputs contained in the Company’s March 30, 2021 quarterly avoided cost inputs compliance filing (2020.Q4 Filing). In addition, the Company has incorporated a routine update to reflect the Company’s March 31, 2021 Official Forward Price Curve.

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 SUMMARY

“21-035-T05 RMP Appendix 1 - AC Study Summary 04-30-21” contains the summary of proposed avoided cost rates by QF type.

Table 1 presents the timing of deferrable resources as listed in Table 8.18 of 2019 Preferred Portfolio, Volume I. Table 1 shows the renewable resources the Company plans to acquire over the 20-year planning period.

The timing of the deficiency period for a baseload QF is determined based on the next deferrable thermal resource that has not been already displaced by signed contracts.

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

Table 2 shows the current queue of signed or terminated contracts after the 2019 IRP was prepared. A 10 MW baseload QF displaces FOTs for 2020-2025 and 10.3 MW of Naughton simple cycle combustion turbine in 2026.

Consistent with the Commission’s August 20, 2020 Order in Docket No. 20-035-T04, the proposed rates for wind resources continue to reflect the avoided costs associated with a Utah wind proxy, rather than the next cost-effective wind resource in the preferred portfolio from the 2019 Integrated Resource Plan. Based on the current signed contracts, a 10 MW incremental wind QF partially displaces 10 MW of Utah wind resource starting in 2023. The Company retains 100% of the RECs starting in 2023.

The deficiency period for a tracking solar QF is based on the next deferrable IRP solar resource that has not been already displaced by signed solar contracts. A 10 MW tracking solar QF displaces 3.6 MW of solar with battery storage resource located in Utah North in 2024. The Company retains 100% of the RECs starting in 2024.

The deficiency period for a fixed-tilt solar QF is based on the next deferrable IRP solar resource that has not been already displaced by signed solar contracts. A 10 MW fixed-tilt solar QF displaces 1.4 MW of solar with battery storage resource located in Utah North in 2024. The Company retains 100% of the RECs starting in 2024.

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 2019 IRP utilized a 13 percent planning reserve margin.²

Table 3 presents a comparison of the proposed avoided cost 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.

DESCRIPTION OF AVOIDED COST STUDY WORKPAPERS

Baseload QF

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

21-035-T05 RMP CONF Workpaper 1a - GRID AC Study Thermal 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2021-2030

² 2019 Integrated Resource Plan. Volume II. Appendix I: Planning Reserve Margin Study. pg. 137

Available online at:

https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/integrated-resource-plan/2019_IRP_Volume_II_Appendices_A-L.pdf.

21-035-T05 RMP CONF Workpaper 1b - GRID AC Study Thermal 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2031-2038

21-035-T05 RMP Wkpr - Avoided Cost Study-Thermal 04-30-21.xlsx:

- **Table 1:** summarizes the annual avoided energy costs based on GRID runs and shows the calculation of the annual avoided capacity costs. A 10 MW baseload QF displaces FOTs for 2021-2025 and 10.3 MW of Naughton simple cycle combustion turbine in 2026.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
- **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.

21-035-T05 RMP Wkpr - QF Pricing Detail-Thermal 04-30-21.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 QF

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

21-035-T05 RMP CONF Workpaper 1a - GRID AC Study Wind 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2021-2030.

21-035-T05 RMP CONF Workpaper 1b - GRID AC Study Wind 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2031-2038

21-035-T05 RMP Wkpr - Avoided Cost Study-Wind 04-30-21.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, wind QF pricing reflects avoided fixed costs of 2023 Utah wind resources in the 2019 IRP preferred portfolio. PacifiCorp retains the RECs generated starting in 2023.
- **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 2019 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.

21-035-T05 RMP Wkpr - QF Pricing Detail-Wind 04-30-21.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:

21-035-T05 RMP CONF Workpaper 1a - GRID AC Study Solar T 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2021-2030

21-035-T05 RMP CONF Workpaper 1b - GRID AC Study Solar T 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2031-2038

21-035-T05 RMP Wkpr - Avoided Cost Study-Solar T 04-30-21.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, solar QF pricing reflects avoided fixed costs of the 2024 Utah North solar with battery storage resource in the 2019 IRP preferred portfolio. PacifiCorp retains the RECs generated starting in 2024.
- **Table 2:** summarizes monthly avoided energy costs based on the GRID runs
- **Table 3:** shows the total resource cost information for each planned new resources in the 2019 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.

21-035-T05 RMP Wkpr - QF Pricing Detail-Solar T 04-30-21.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:

21-035-T05 RMP CONF Workpaper 1a - GRID AC Study Solar F 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2021-2030

21-035-T05 RMP CONF Workpaper 1b - GRID AC Study Solar F 04-30-21.xlsx: contains results of the GRID runs for the Base Case and the Avoided Cost Case for 2031-2038

21-035-T05 RMP Wkpr - Avoided Cost Study-Solar F 04-30-21.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, solar QF pricing reflects avoided fixed costs of the 2024 Utah North solar with battery storage resource in the 2019 IRP preferred portfolio. PacifiCorp retains the RECs generated starting in 2024.
- **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 2019 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.

21-035-T05 RMP Wkpr - QF Pricing Detail-Solar F 04-30-21.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 No. 21-035-T05
Advice No. 21-03

I hereby certify that on April 30, 2021, a true and correct copy of the foregoing was served by electronic mail to the following:

Utah Office of Consumer Services

Michele Beck mbeck@utah.gov
ocs@utah.gov

Division of Public Utilities

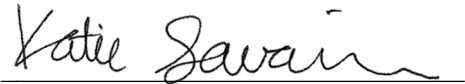
dpudatarequest@utah.gov

Assistant Attorney General

Patricia Schmid pschmid@agutah.gov
Justin Jetter jjetter@agutah.gov
Robert Moore rmoore@agutah.gov
Victor Copeland vcopeland@agutah.gov

Rocky Mountain Power

Data Request Response Center datarequest@pacificorp.com
Jana Saba jana.saba@pacificorp.com
utahdockets@pacificorp.com
Emily Wegener emily.wegener@pacificorp.com



Katie Savarin
Coordinator, Regulatory Operations