

November 1, 2023

VIA ELECTRONIC FILING

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

Attention: Gary Widerburg
Commission Secretary

Re: In the Matter of Rocky Mountain Power's Annual Demand Side Management
November 1st Deferred Account and Forecast Reporting
Docket No. 23-035-31

In its order dated August 25, 2009 in Docket No. 09-035-T08 ("Order"), the Public Service Commission of Utah ("Commission") approved the Phase I Stipulation filed August 3, 2009 in the same ("Stipulation"). As specified in the Stipulation, Rocky Mountain Power ("Company") is required to provide to the Commission and Demand Side Management ("DSM") Advisory Group¹ ("Steering Committee") by November 1st of each year a forecast of expenditures for approved programs for the next calendar year and their acquisition targets (in MWh and MW) for the next calendar year. In addition, the order issued December 21, 2011 in Docket No. 10-035-57 directed the Company to provide an estimate of the capacity and energy savings targets for approved programs in the forecast in comparison to demand-side management program targets included in the Company's most recent Integrated Resource Plan. A report containing the forecast of these items for calendar year 2023 is provided in Exhibit A, attached hereto ("Forecast Report").

The Accounting Analysis section of the Forecast Report reflects actual results through September 2023 and projects expenditures and revenues through December 2030. As illustrated in the Accounting Analysis, the Schedule 193 surcharge rate is estimated to remain flat through 2024 under current assumptions. Consequently, the Company does not intend to propose a rate adjustment to Schedule 193 at this time.

Expenditure information for individual DSM programs is provided in the DSM Expenditures section of the Forecast Report. DSM Expenditures include actual results through September 2023 and projects expenditures through December 31, 2024. Also included in the Forecast Report, and in compliance with the Commission's February 10, 2012 Acknowledgement Letter in Docket No. 10-035-57, is an estimate of total program participation and contribution to peak system load for the Irrigation Load Control Program. This analysis is included in the Peak Impact section of the Forecast Report.

¹ In context of this filing, DSM Advisory Group is redefined as the DSM Steering Committee.

Public Service Commission of Utah

November 1, 2023

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

By E-mail (preferred): datarequest@pacificorp.com
 michael.snow@pacificorp.com

By regular mail: Data Request Response Center
 PacifiCorp
 825 NE Multnomah Blvd., Suite 2000
 Portland, OR 97232

Informal inquiries may be directed to me at (801) 220-4214.

Sincerely,

A handwritten signature in blue ink that reads "Michael S. Snow". The signature is written in a cursive, flowing style.

Michael S. Snow
Manager, Regulatory Affairs

cc: Division of Public Utilities
 Office of Consumer Services

Enclosures

Exhibit A

2024 Forecast Savings compared to Resource Plan Targets

	2024 Program Forecast		2023 Integrated Resource Plan	
	MWH @ Gen 2024	MW 2024	MWH 2024	MW 2024
Class 1 DSM - Residential, Commercial, Industrial				
Air Conditioner Load Control - Res. & Small Com. (Sch. 114)		276		N/A
Wattsmart Batteries Program (Sch. 114)		27		N/A
Irrigation Load Control - Industrial (Sch. 105)		14		N/A
C&I Load Control Program (Sch. 114)		54		N/A
EV Charging Demand Response (Sch. 114) PENDING		2		N/A
Total Class 1		373		339
Class 2 DSM - Residential				
Low Income Weatherization (Sch. 118)	178	0.03	N/A	N/A
Wattsmart Homes (Sch. 111)	54,112	9.41	N/A	N/A
Total Class 2 Residential	54,290	9.44	N/A	N/A
Class 2 Non-Residential Programs				
Wattsmart Business (Sch. 140)	208,724	36.30	N/A	N/A
Total Class 2 Non-Residential	208,724	36.30	N/A	N/A
Total Class 2	263,014	45.74	266,407	46.33
Total Class 2 Estimated Range	252,391 - 278,958			
Misc.				
Home Energy Reporting (Sch. N/A)	109,318	19.01		

Notes:

- 2023 IRP Volume I Table 6.10 pg. 158 lists 270 MW of existing short duration capacity for air conditioner load, 30 MW of capacity from WattSmart Business, 210 MW of existing capacity for irrigation load, 20 MW of which is in Utah, and 11 MW of WattSmart batteries, 10 MW of which is Utah. Total existing resources are therefore assumed to be 330 MW. Volume II Appendix D Table D.3 pg. 115 lists a total of 9.0 MW of incremental capacity for Utah for 2024. The combined total of existing plus incremental capacity is (330 MW + 9.0 MW).
- Irrigation forecast represents highest expected realized value during the season (see "Irrigation Load Peak Impact" tab for an estimate by week throughout season).
- Air conditioner load control (Cool Keeper) forecast represents the expected contribution/impact available at peak, temperature dependent.
- Total Class 2 DSM: 2023 IRP Vol. II Table D.4 pg. 116 selected 266,407 MWh of energy efficiency for 2024 when accounting for 1st year annual energy efficiency shape.
- Forecast of coincident peak MW for **Utah's** Class 2 DSM resource is derived through the following formula:

Peak Capacity Impact (MW) divided by forecasted Class 2 DSM energy savings (MWh)	0.000174	
2023 Utah energy selections derived from the 2023 IRP Appendix D	266,407	MWh
Multiplied by Utah 2023 coincident peak value from the 2023 IRP	46.33	MW
Estimated coincident peak impact of 2023 Utah Class 2 DSM programs excluding Home Energy Reports	46.33	MW
- 2023 IRP Utah Energy Efficiency coincident peak contribution from supporting data used to create 2023 IRP Figure 6.3 page 163
- Savings is at generation.

DSM Program Expenditures

	YTD Balance Sept 2023	Accrual for Sept	Total thru Sept 2023	Forecast Oct thru Dec 2023			2023 Program Year Spend		
				Oct-23	Nov-23	Dec-23	Projected 2023 Totals	Nov 1, 2022 Forecast	Jul 1, 2023 Forecast
Residential Programs									
A/C Load Control Program (Sch. 114)	\$6,402,388	\$774,060	\$7,176,447	\$495,000	\$150,000	\$150,000	\$ 7,971,447	\$ 6,500,000	\$ 6,500,000
Wattsmt Batteries Program (Sch. 114)	\$2,187,532	\$ -	\$2,187,532	\$200,000	\$250,000	\$300,000	\$ 2,937,532	\$ 5,000,000	\$ 5,000,000
EV Charging Demand Response (Sch. 114) PENDING	\$0	\$ -	\$0	\$0	\$0	\$0	\$ -	\$ -	\$ -
Low Income (Sch. 118)	\$93,425	\$ -	\$93,425	\$35,525	\$35,525	\$35,525	\$ 200,000	\$ 250,000	\$ 200,000
Home Energy Reports (Sch. N/A)	\$1,081,919	\$ 362,106	\$1,444,026	\$115,000	\$115,000	\$115,000	\$ 1,789,026	\$ 1,550,000	\$ 1,550,000
Wattsmt Homes Program (Sch. 111)	\$13,720,709	\$621,591	\$14,342,300	\$1,097,862	\$1,297,862	\$1,397,862	\$ 18,135,887	\$ 19,500,000	\$ 17,266,000
	<u>\$23,485,973</u>	<u>\$1,757,757</u>	<u>\$25,243,731</u>	<u>\$1,943,387</u>	<u>\$1,848,387</u>	<u>\$1,998,387</u>	<u>\$ 31,033,892</u>	<u>\$ 32,800,000</u>	<u>\$ 30,516,000</u>
Commercial & Industrial Sector Programs									
Wattsmt Business Commercial (Sch. 140)	\$15,722,649	\$1,784,431	\$17,507,081	\$2,529,346	\$3,529,346	\$3,529,346	\$ 32,308,602	\$ 36,000,000	\$ 23,800,000
Wattsmt Business Industrial (Sch. 140)	\$4,649,977	\$563,505	\$5,213,482	\$162,354	\$162,354	\$162,354	\$ 500,000	\$ 500,000	\$ 500,000
Industrial Irrigation Load Control (Sch. N/A)	\$12,937	\$ -	\$12,937	\$10,000	\$20,000	\$460,000	\$ 1,260,140	\$ 6,425,000	\$ 6,425,000
C&I Load Control Program (Sch. 114)	\$770,140	\$ -	\$770,140	\$10,000	\$20,000	\$460,000	\$ 1,260,140	\$ 6,425,000	\$ 6,425,000
	<u>\$21,155,704</u>	<u>\$2,347,936</u>	<u>\$23,503,640</u>	<u>\$2,701,701</u>	<u>\$3,711,701</u>	<u>\$4,151,701</u>	<u>\$ 34,068,741</u>	<u>\$ 42,925,000</u>	<u>\$ 30,725,000</u>
Outreach and Communications	\$702,562	\$ -	\$702,562	\$265,813	\$265,813	\$265,813	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
Portfolio (TRL, DSM Central, Training)	\$264,980	\$38,218	\$303,198	\$3,300	\$3,300	\$3,300	\$ 313,098	\$ 250,000	\$ 250,000
Program Evaluation Cost - C&I	\$98,884	\$ -	\$98,884	\$137,238	\$137,238	\$137,238	\$ 510,597	\$ 510,597	\$ 510,597
Program Evaluation Cost - Res	\$83,946	\$ 20,807	\$104,752	\$2,109	\$2,109	\$2,109	\$ 111,080	\$ 111,080	\$ 111,080
Potential Study	\$15,740	\$3,538	\$19,278	\$19,407	\$19,407	\$19,407	\$ 77,500	\$ 77,500	\$ 77,500
Total DSM Program Expenditures	<u>\$ 45,807,788</u>	<u>\$ 4,168,255</u>	<u>\$ 49,976,044</u>	<u>\$ 5,072,955</u>	<u>\$ 5,987,955</u>	<u>\$ 6,577,955</u>	<u>\$ 67,614,908</u>	<u>\$ 78,174,177</u>	<u>\$ 63,690,177</u>

Notes:

Jan-Sept 2023 actuals

Split for WSB program cost was based on 2023 kWh savings (76% / 24%)

Accruals added to capture full cost through Sept.

DSM Program Expenditures

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan - Dec 2024 Totals
Residential Programs													
A/C Load Control Program (Sch. 114)	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	\$733,445	8,801,345
Wattsmart Batteries Program (Sch. 114)	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	4,200,000
EV Charging Demand Response (Sch. 114) PENDING	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	\$13,542	162,500
Low Income (Sch. 118)	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	250,000
Home Energy Reports (Sch. N/A)	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	\$108,333	1,300,000
Wattsmart Homes Program (Sch. 111)	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	\$1,625,000	19,500,000
	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>\$2,851,154</u>	<u>34,213,845</u>
Commercial & Industrial Sector Programs													
Wattsmart Business Commercial (Sch. 140)	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	\$3,277,553	39,330,636
Wattsmart Business Industrial (Sch. 140)													
Industrial Irrigation Load Control (Sch. N/A)	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	\$41,667	500,000
C&I Load Control Program (Sch. 114)	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	\$216,667	2,600,000
	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>\$3,535,886</u>	<u>42,430,636</u>
Outreach and Communications	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	1,500,000
Portfolio (TRL, DSM Central, Training)	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	\$20,833	250,000
Program Evaluation Cost - C&I	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	\$42,550	510,597
Program Evaluation Cost - Res	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	\$9,257	111,080
Potential Study	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	\$6,458	77,500
Total DSM Program Expenditures	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 6,591,138</u>	<u>\$ 79,093,658</u>

Notes:

Jan-Sept 2023 actuals
 Split for WSB program cost was based on 2023 kWh savings (76% / 24%)
 Accruals added to capture full cost through Sept.

DSM Program Expenditures

**2024 Budget
 Forecast**

Residential Programs

A/C Load Control Program (Sch. 114)	\$ 8,801,345
Wattsmart Batteries Program (Sch. 114)	\$ 4,200,000
EV Charging Demand Response (Sch. 114) PENDING	\$ 162,500
Low Income (Sch. 118)	\$ 250,000
Home Energy Reports (Sch. N/A)	\$ 1,300,000
Wattsmart Homes Program (Sch. 111)	\$ 19,500,000
	<u>34,213,845</u>

Commercial & Industrial Sector Programs

Wattsmart Business Commercial (Sch. 140)	39,330,636
Wattsmart Business Industrial (Sch. 140)	
Industrial Irrigation Load Control (Sch. N/A)	500,000
C&I Load Control Program (Sch. 114)	<u>2,600,000</u>
	<u>42,430,636</u>

Outreach and Communications	1,500,000
Portfolio (TRL, DSM Central, Training)	250,000
Program Evaluation Cost - C&I	510,597
Program Evaluation Cost - Res	111,080
Potential Study	77,500

Total DSM Program Expenditures	<u><u>79,093,658</u></u>
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Notes:

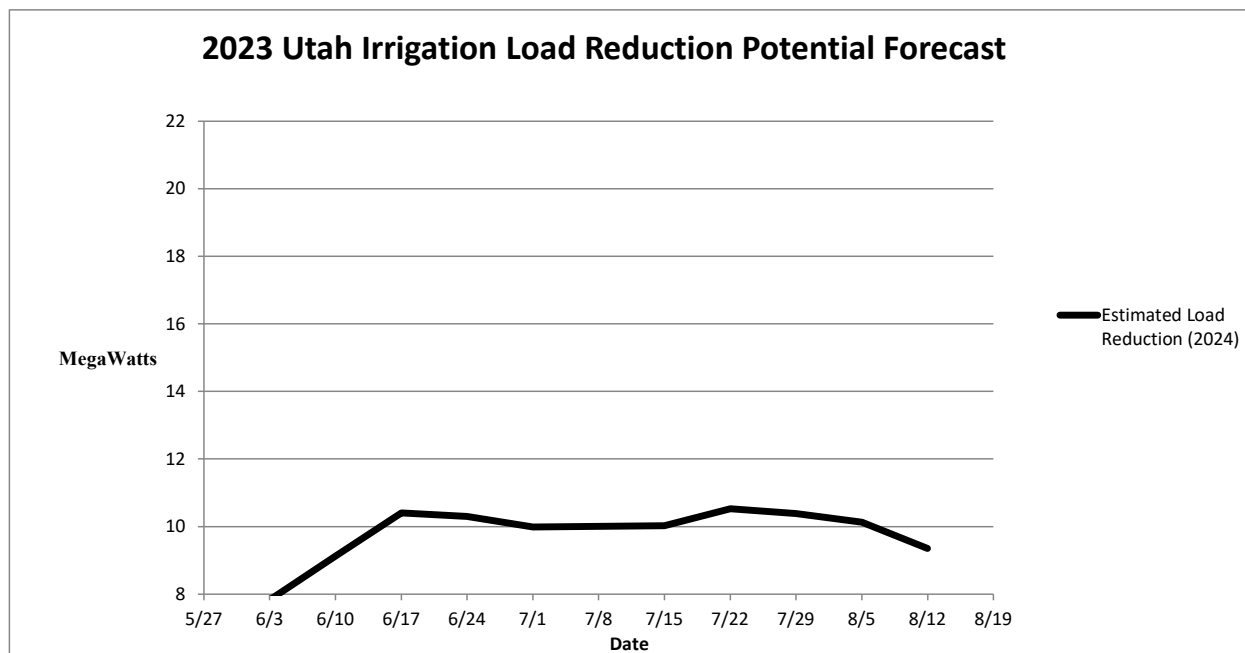
Jan-Sept 2023 actuals

Split for WSB program cost was based on 2023 kWh savings (76% / 24%)

Accruals added to capture full cost through Sept.

Estimated Peak Impact of Irrigation Load Control By Week

Program Weeks	25-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	8-Jul	15-Jul	22-Jul	29-Jul	5-Aug	12-Aug
Estimated Load Reduction (2024)	8	8	9	10	10	10	10	10	11	10	10	9
Participating Load (2024)	22	22	22	22	22	22	22	22	22	22	22	22
Percent Participating Load	35%	36%	42%	48%	48%	46%	46%	46%	49%	48%	47%	43%



Note:

2024 expected impact is based on weekly load availability results for Utah's irrigation program during the 2018 - 2023 control seasons.

Actual impact at peak will be dependent on when monthly peaks occur throughout the 2023 control months.

2023 was a wet year, with events only starting in week 5 of the ILC program.

Closest actual load reduction was used for weeks that did not see load reduction. Note that the first event of 2022 was Week 6, and the first event of 2023 was Week 5.

CERTIFICATE OF SERVICE

Docket No. 23-035-31

I hereby certify that on November 1, 2023, 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

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Santiago Gutierrez
Coordinator, Regulatory Operations