



1407 W. North Temple, Suite 330  
Salt Lake City, UT 84116

April 10, 2024

***VIA ELECTRONIC FILING***

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

Attention: Gary Widerburg  
Commission Administration

RE: **Docket No. 24-035-21**  
Major Event Report for March 1-3, 2024

Rocky Mountain Power submits a request for a major event exclusion for the snowstorm in the Salt Lake City metro, Ogden and Jordan Valley areas of Utah on March 1-3, 2024, which exceeded the Commission approved threshold for customer minuteslost in a 24-hour period.

The report provides details including costs incurred, restoration resources, number of customers off supply, customer minutes lost, and SAIDI, SAIFI, CAIDI figures. Exhibit A provides the backup file for the calculations in the report.

Upon Commission approval, Rocky Mountain Power will exclude outage information for these events from its network performance reporting and from customer guarantee failure payments.

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

Sincerely,

Joelle Steward  
Senior Vice President, Regulation and Customer and Community Solutions

Enclosures

**CERTIFICATE OF SERVICE**

Docket No. 24-035-21

I hereby certify that on April 10, 2024, 2024, 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](mailto:mbeck@utah.gov)  
[ocs@utah.gov](mailto:ocs@utah.gov)

**Division of Public Utilities**

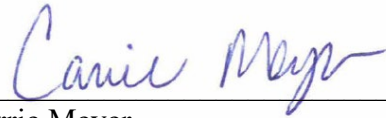
[dpudatarequest@utah.gov](mailto:dpudatarequest@utah.gov)

**Assistant Attorney General**

Patricia Schmid [pschmid@agutah.gov](mailto:pschmid@agutah.gov)  
Robert Moore [rmoore@agutah.gov](mailto:rmoore@agutah.gov)  
Patrick Greco [pgreco@agutah.gov](mailto:pgreco@agutah.gov)

**Rocky Mountain Power**

Data Request Response Center [datarequest@pacificorp.com](mailto:datarequest@pacificorp.com)  
Jana Saba [jana.saba@pacificorp.com](mailto:jana.saba@pacificorp.com)  
[utahdockets@pacificorp.com](mailto:utahdockets@pacificorp.com)



---

Carrie Meyer  
Advisor, Regulatory Operations



**Report to the Utah Public Utility Commission  
Electric Service Reliability  
Major Event Report for March 1-3, 2024**

Event Date:	March 1-3, 2024
Date Submitted:	April 10, 2024
Primary Affected Locations:	SLC Metro, Ogden and Jordan Valley, Utah
Primary Cause:	Winter Storm
Exclude from Reporting Status:	Yes
Report Prepared by:	Tia Solis
Report Approved by:	Kevin Benson

**Event Description and Restoration Summary**

On March 1, 2024, a significant storm system brought high winds with gusts up to 65 mph, followed by rain and 4-8 inches of heavy snow across the Wasatch Front Rocky Mountain Power service territory. The major event lasted throughout the weekend requiring resources from outlying districts and local contractors to respond to the considerable number of outages. System damages occurred due to pole fires, poles and conductors failing due falling vegetation, overhead conductors loading and unloading heavy snow, and third-party damages (car hit poles & equipment).

Restoration challenges included access issues due to the significant amount of snow on the ground and the physical nature of working in the heavy wet snow. Internal and external crews from Moab, Cedar City, and Vernal Utah, along with contractor crews were called for assistance.

There was a long duration outage at Brighton Substation 12.47kV line affecting thirty-five customers for 53 hours and 27 minutes. The outage was caused by a tree falling through a span guy breaking off the top of corner pole with a 25kV transformer. This event dropped eight spans of overhead conductor downstream of the corner pole. Access from snowpack caused difficulty, and the work required two tracked side by sides and a snowcat to gain access our facilities to make the repairs. Circuit lockouts were restored by closing the circuit breaker after a circuit patrol was performed by the first responder and/or the cause found was isolated. Fuses blown from the high winds and snow unloading were replaced after the lines were cleared and/or the issue was isolated. Other outages were restored once crews repaired or replaced conductor and/or poles that were damaged in the event.

31,864 customers in total were involved during the major event with 10,726 customers impacted at the peak of the event. 187 circuits were involved with an average outage duration of 5 hours. Weather related outages comprised 56% customer minutes lost, followed by Loss of Supply at 22% and Trees at 14%. All Central Utah Operations Centers resumed to normal operating procedures Sunday evening March 3, 2024, at approximately 11:00 PM.

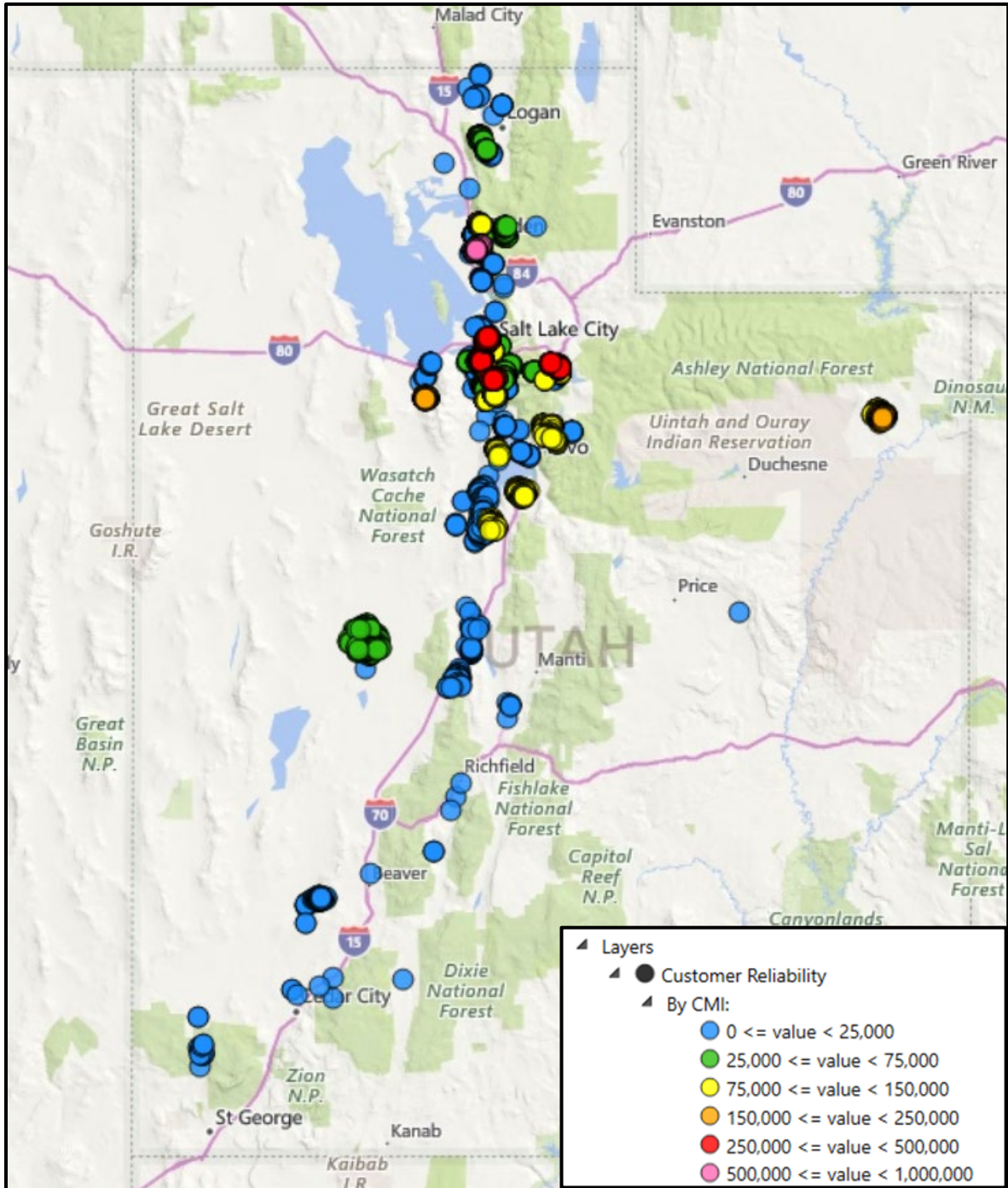
**Outage Summary**

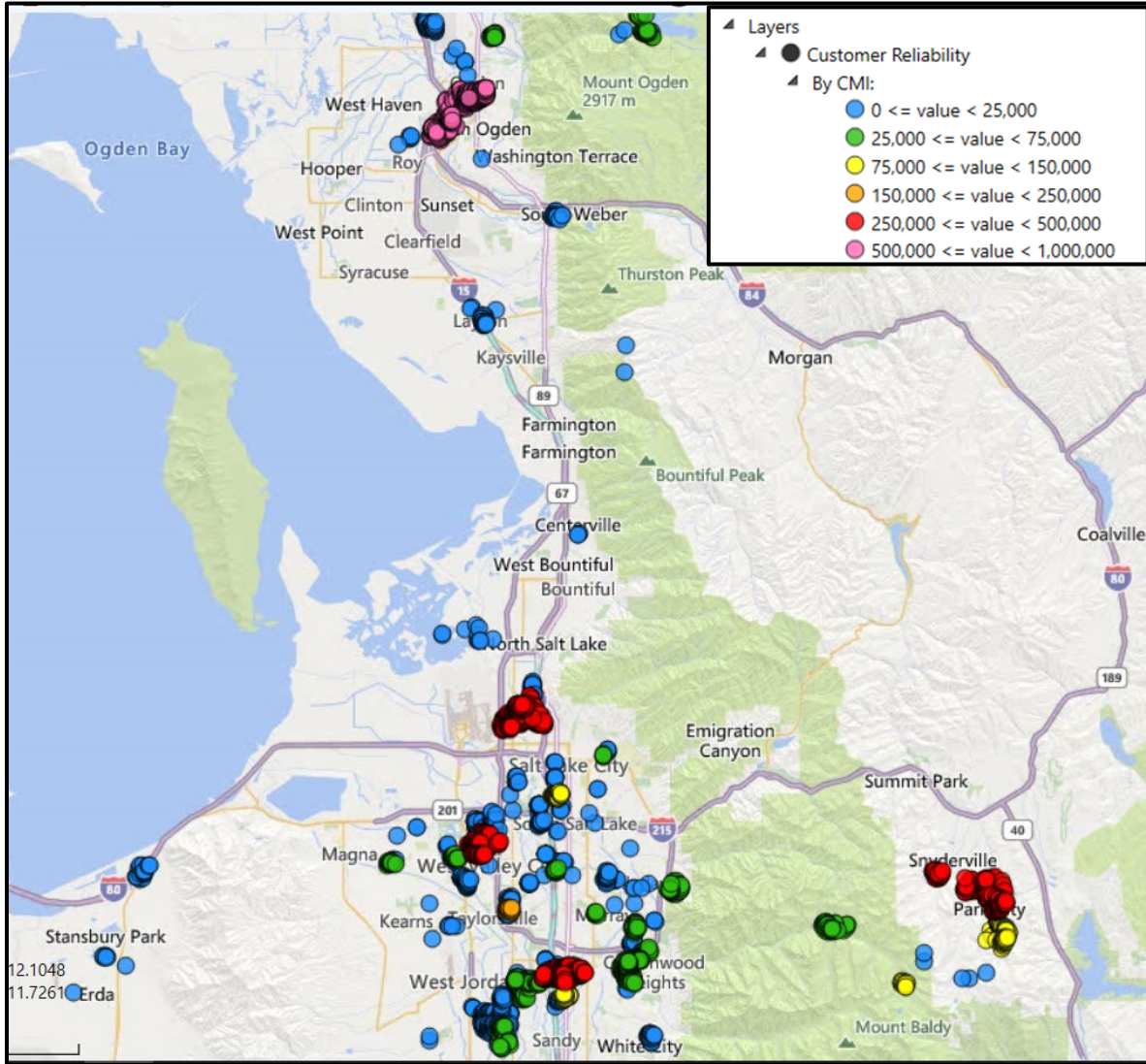
<b>Event Outage Summary</b>	
Number Interruptions (sustained events)	255
Total Customers Interrupted (sustained events)	31,864
Total Customer Minutes Lost	5,371,983
State Event SAIDI Impact	5.68
CAIDI	169
Major Event Start	3/1/24 9:20 PM
Major Event End	3/3/24 5:28 PM

**Restoration Intervals**

<b>Total Customer Sustained Outage Events</b>	<b>&lt; 3 Hrs.</b>	<b>3 – 24 Hrs.</b>	<b>24+ Hrs.</b>
31,864	20,962	10,848	54

**Power Outages March 1st 21:20 through March 3rd 17:28, 2024**





### Restoration Resources

Personnel	
Trouble man/assessors	20
Internal local crewmembers	126
Substation crewmembers	16
Vegetation crewmembers	29
# Support staff	3
Contract Crewman	45
Foreman	6
Transportation	6
Warehouseman	2
<b>Total</b>	<b>253</b>

Materials	
# Poles (D)	7
# Poles (T)	1
# Approx. conductor Line (feet)	5,824
# Transformers	2
# Crossarms	40
Insulators	273
Cutouts	144
Line fuses	77
Line splices	307
Guy wire	79
Other (Arresters)	78

### Estimated Major Event Costs

Estimated \$	Labor	Contracts	Materials	Overheads	TOTAL
Capital	\$41,772	\$10,729	\$13,422	\$5,387	\$71,310
Expense	\$158,928	\$516,401	\$81,214	\$3,147	\$759,690
<b>Total</b>	<b>\$200,700</b>	<b>\$527,130</b>	<b>\$94,636</b>	<b>\$8,534</b>	<b>\$831,000</b>

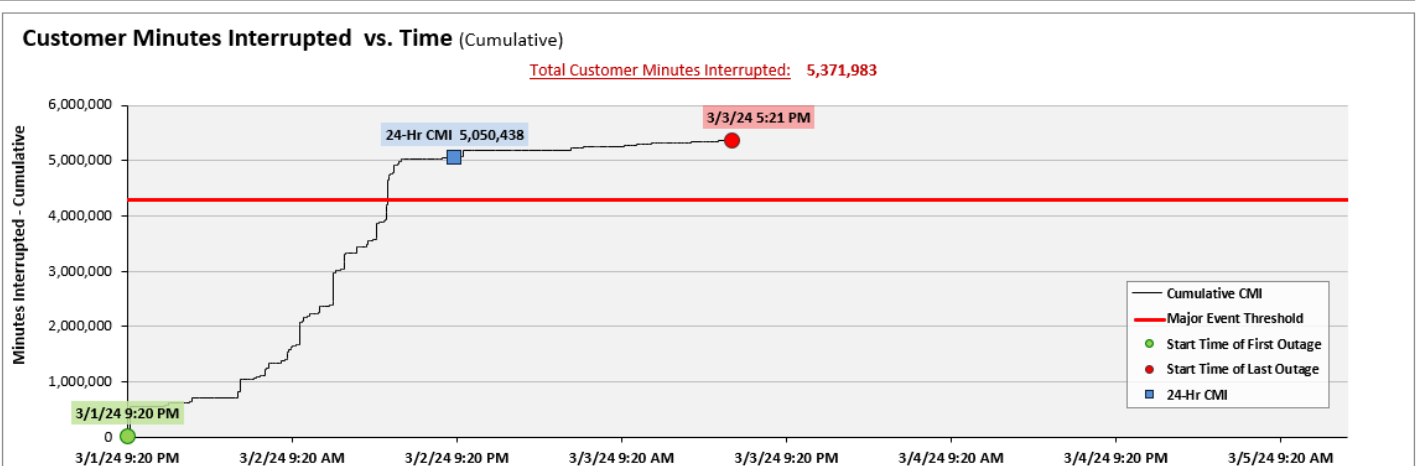
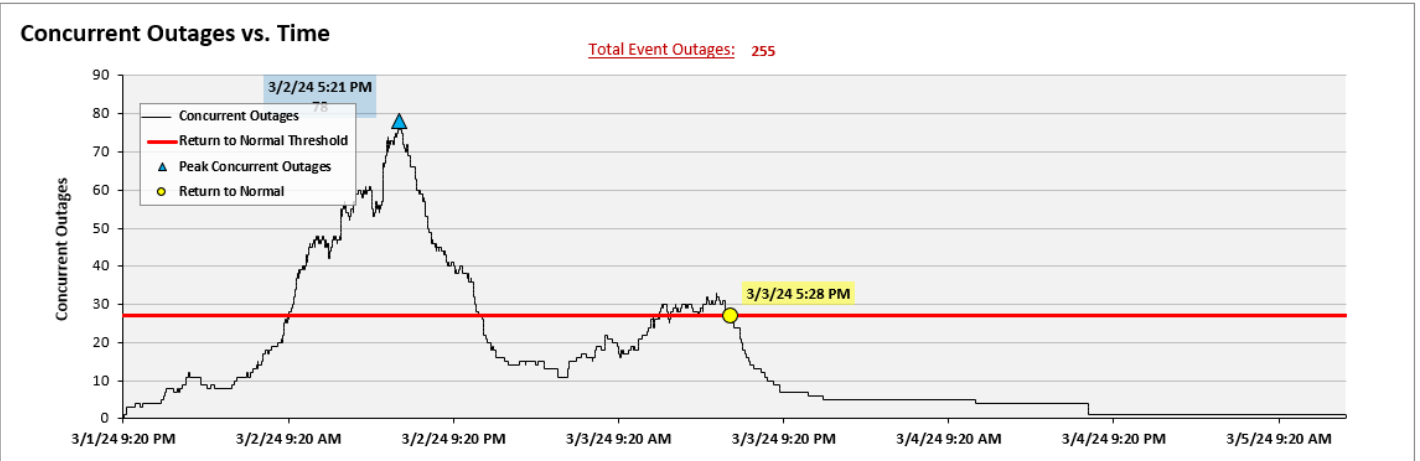
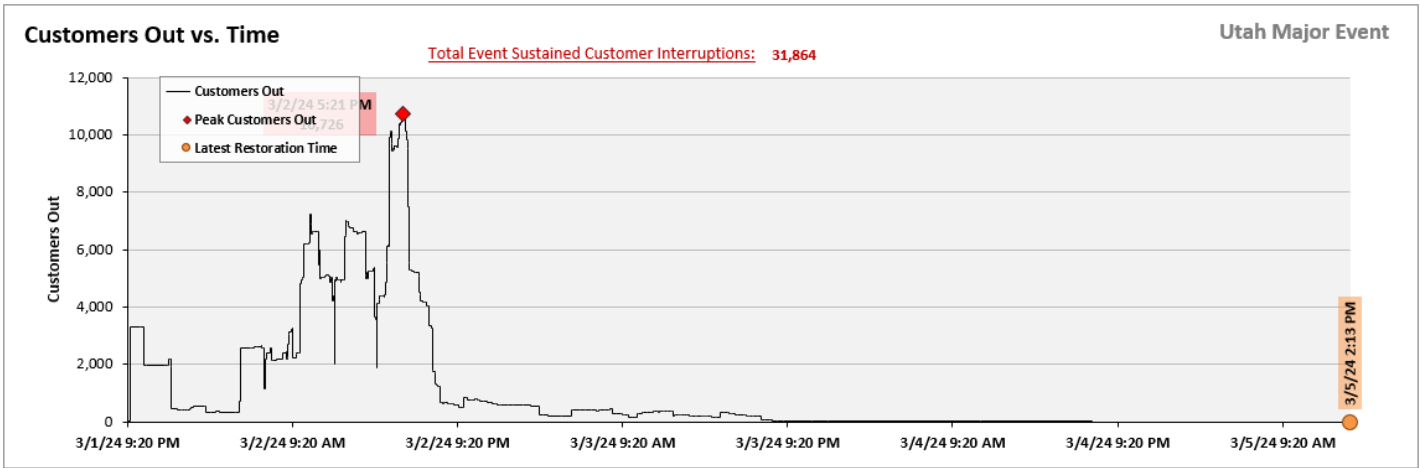


## **Major Event Declaration**

Rocky Mountain Power is requesting designation of these events and its consequences to be classified as a “Major Event” for exclusion from network performance reporting. This major event exceeded the Company’s current Utah threshold for customer minutes lost in a 24-hour period, consistent with Utah Administrative Code R746-313. The 2024 annual threshold for Utah is 4,286,367 customer minutes lost (4.31 State SAIDI minutes).



### SAIDI, SAIFI, CAIDI by Reliability Reporting Region





### PacifiCorp Major Event Report - Customer Analysis

Utah		Customer Analysis 3/1/2024 through 3/3/2024					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
<i>PacifiCorp Major Events Report Customer Analysis*</i>		Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	Customer Count	< 5 min	5 min - 3 hrs	3 hrs - 24 hrs	24 hrs - 48 hrs	48 hrs - 72 hrs	72 hrs - 96 hrs	96 + hrs	% Sustained Customers Restored in 3 Hours PS4	SAIDI	SAIFI	CAIDI
PC	PACIFICORP	38,908	2%	5,846,213	268	2,089,798	51,082	27,439	11,415	18	36	-	-	71%	2.80	0.019	150
RMP	Rocky Mountain Power	38,908	3%	5,846,213	268	1,266,461	51,082	27,439	11,415	18	36	-	-	71%	4.62	0.031	150
UT	Utah	38,908	4%	5,846,213	268	1,030,158	51,082	27,439	11,415	18	36	-	-	71%	5.68	0.038	150
UT	AMERICAN FORK	2,609	2%	512,454	28	136,467	3,340	438	2,171	-	-	-	-	17%	3.76	0.019	196
UT	CEDAR CITY	45	0%	8,677	11	40,260	195	8	37	-	-	-	-	18%	0.22	0.001	193
UT	CEDAR CITY (MILFORD)	526	18%	13,846	4	2,944	238	526	-	-	-	-	-	100%	4.70	0.179	26
UT	JORDAN VALLEY	10,231	4%	1,517,973	59	250,789	10,416	8,290	1,903	2	36	-	-	81%	6.05	0.041	148
UT	LAYTON	314	0%	17,106	8	81,459	-	312	2	-	-	-	-	99%	0.21	0.004	54
UT	MOAB	2	0%	132	2	9,587	-	2	-	-	-	-	-	100%	0.01	0.000	66
UT	MONTPELIER	2	0%	272	2	3,908	-	2	-	-	-	-	-	100%	0.07	0.001	136
UT	OGDEN	5,625	5%	1,004,476	33	118,170	14,326	3,476	2,146	3	-	-	-	62%	8.50	0.048	179
UT	PARK CITY	3,290	9%	568,692	5	37,695	-	1,360	1,924	6	-	-	-	41%	15.09	0.087	173
UT	PRICE	9	0%	1,333	2	10,545	-	9	-	-	-	-	-	100%	0.13	0.001	148
UT	RICHFIELD	335	2%	28,228	12	16,602	-	333	2	-	-	-	-	99%	1.70	0.020	84
UT	RICHFIELD (DELTA)	548	14%	47,397	5	3,959	-	548	-	-	-	-	-	100%	11.97	0.138	86
UT	SLC METRO	9,682	4%	1,443,548	69	234,464	17,693	6,920	2,755	7	-	-	-	71%	6.16	0.041	149
UT	SMITHFIELD	574	2%	77,003	11	28,875	-	556	18	-	-	-	-	97%	2.67	0.020	134
UT	TOOELE	1,944	7%	218,202	10	28,393	4,874	1,941	3	-	-	-	-	100%	7.69	0.068	112
UT	TREMONTON	2	0%	327	2	12,425	-	1	1	-	-	-	-	50%	0.03	0.000	163
UT	VERNAL	3,170	25%	386,548	5	12,817	-	2,717	453	-	-	-	-	86%	30.16	0.247	122

\*Only current event specific metric impact shown. Does not include values from other events which may have occurred in other regions during the same time period.

<b>Data as of</b>
<b>3/12/2024</b>



### PacifiCorp Major Event Report – SSC by State Analysis

	Utah	Event 03/01/24 through 03/03/24						Month 03/01/24 through 03/31/24						YTD FY2025 01/01/24 through 03/31/24					
		Major Events Included			Major Event Excluded			Major Events Included			Major Events Excluded*			Major Events Included			Major Events Excluded*		
		SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI
	<b>PacifiCorp Major Events Report SSC by State</b>																		
PC	PACIFICORP	13.46	0.043	310	0.96	0.007	137	15.92	0.072	222	2.90	0.033	89	90.48	0.284	319	18.59	0.144	129
RMP	Rocky Mountain Power	12.96	0.047	278	0.21	0.001	142	13.90	0.061	226	1.08	0.016	67	25.34	0.165	154	12.52	0.119	105
UT	Utah	5.85	0.039	150	0.18	0.001	142	6.81	0.054	127	1.14	0.016	71	17.86	0.155	115	12.18	0.117	104
UT	AMERICAN FORK	0.50	0.003	196	0.00	0.000	94	0.51	0.003	193	0.01	0.000	123	0.86	0.006	147	0.36	0.003	109
UT	CEDAR CITY	0.01	0.000	193				0.01	0.000	140	0.01	0.000	104	1.10	0.006	184	1.09	0.006	184
UT	CEDAR CITY (MILFORD)	0.01	0.001	27	0.00	0.000	156	0.01	0.001	28	0.00	0.000	136	0.09	0.001	110	0.08	0.000	244
UT	EVANSTON	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.000	68	0.01	0.000	68
UT	JORDAN VALLEY	1.53	0.010	146	0.05	0.001	101	1.61	0.011	143	0.14	0.001	105	3.50	0.032	108	2.02	0.023	90
UT	LAYTON	0.03	0.000	93	0.02	0.000	328	0.20	0.001	157	0.19	0.001	189	0.45	0.003	147	0.44	0.003	157
UT	MOAB	0.00	0.000	66	-	-	-	0.00	0.000	80	0.00	0.000	109	0.01	0.000	204	0.01	0.000	212
UT	MONTPELIER	0.00	0.000	377	0.00	0.000	858	0.00	0.000	226	0.00	0.000	248	0.15	0.002	88	0.15	0.002	88
UT	OGDEN	0.98	0.005	178	0.00	0.000	141	1.07	0.006	186	0.10	0.000	319	3.41	0.018	193	2.43	0.012	199
UT	PARK CITY	0.55	0.003	173	0.00	0.000	89	0.56	0.003	173	0.01	0.000	181	0.96	0.006	166	0.41	0.003	157
UT	PRICE	0.00	0.000	148	-	-	-	0.05	0.000	181	0.05	0.000	182	0.29	0.003	105	0.28	0.003	105
UT	RICHFIELD	0.03	0.000	73	0.00	0.000	11	0.03	0.000	72	0.00	0.000	19	0.21	0.003	79	0.18	0.002	78
UT	RICHFIELD (DELTA)	0.05	0.001	86	0.00	0.000	53	0.06	0.001	95	0.01	0.000	185	0.10	0.001	90	0.05	0.001	94
UT	SLC METRO	1.44	0.010	148	0.04	0.000	112	1.79	0.012	144	0.39	0.003	127	4.58	0.048	96	3.18	0.038	83
UT	SMITHFIELD	0.07	0.001	134	0.00	0.000	89	0.14	0.003	57	0.07	0.002	35	0.94	0.008	112	0.87	0.008	110
UT	TOOELE	0.28	0.002	130	0.07	0.000	263	0.37	0.010	39	0.16	0.008	21	0.60	0.014	42	0.39	0.012	31
UT	TREMONTON	0.00	0.000	163	-	-	-	0.01	0.000	193	0.01	0.000	195	0.16	0.001	181	0.16	0.001	181
UT	VERNAL	0.38	0.003	122	-	-	-	0.38	0.003	122	0.00	0.000	164	0.45	0.004	125	0.07	0.000	144

\*may include other regional major event exclusions during the same period. Operating areas are calculated by the state frozen customer count metrics.

Data as of
<b>3/12/2024</b>