

November 16, 2021

***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. 21-035-63**  
Major Event Report for October 12, 2021

Rocky Mountain Power hereby requests a major event exclusion for the snowstorm in Smithfield, Utah on October 12, 2021, which exceeded the Public Service Commission of Utah (“Commission”) approved threshold for customer minutes lost in a 24-hour period.

The attached provides details including costs incurred, restoration resources, number of customers off supply, customer minutes lost, and SAIDI, SAIFI, CAIDI figures.

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 or Chris Spencer, Managing Director of Operations, at (801) 220-5910.

Sincerely,



Joelle Steward  
Senior Vice President, Regulation

Enclosures

**CERTIFICATE OF SERVICE**

Docket No. 21-035-63

I hereby certify that on November 16, 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](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)  
Justin Jetter [jjetter@agutah.gov](mailto:jjetter@agutah.gov)  
Robert Moore [rmoore@agutah.gov](mailto:rmoore@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)  
Emily Wegener [Emily.wegener@pacificorp.com](mailto:Emily.wegener@pacificorp.com)



---

Mary Penfield  
Adviser, Regulatory Operations



**Report to the Utah Public Service Commission  
Electric Service Reliability  
Major Event Report for October 12, 2021**

Event Date:	October 12, 2021
Date Submitted:	November 16, 2021
Primary Affected Locations:	Smithfield, Utah
Primary Cause:	Snowstorm
Exclude from Reporting Status:	Yes
Report Prepared by:	Alex Vaz, P.E.
Report Approved by:	Chris Spencer / Allen Berreth

**Event Description and Restoration Summary**

On October 12, 2021, Utah experienced an early season winter storm. Significant wet snowfall accumulated on vegetation, snapping branches, and causing service interruptions, with the most severe impacts experienced in the Smithfield-Logan region, and to a lesser degree, the Cedar City and Richfield southern Utah operating districts. The Rocky Mountain Power Emergency Operations Center was activated the morning of October 12, 2021. Multiple line and vegetation crewman responded to the event to remove limbs from overhead lines, replace damage poles, and re-attach broken power lines. Damage to wires, poles, crossarms, and insulators occurred on both primary and secondary lines. Crews from outside the local area were needed to assist in the Smithfield region, which was the highest impacted area. Crews from Tremonton, Preston, Ogden, Layton, and Salt Lake City were mobilized to Smithfield to assist with power restoration.

Restoration efforts faced challenges due to snow accumulation and trees still being in full foliage. In addition, access was difficult in certain areas because of heavy snow and mud. During the event, approximately 57% of all customer minutes lost were the result of tree related outages; the next largest outage causes were directly attributed to weather, totaling between the two 83% of the customer minutes interrupted. Approximately 12,300 customers were out of power at the peak of the storm impact with outage durations ranging from 11 minutes to 25 hours 49 minutes. The average outage duration was 6 hours 57 minutes. The Emergency Operations Center deactivated the next morning on October 13th.

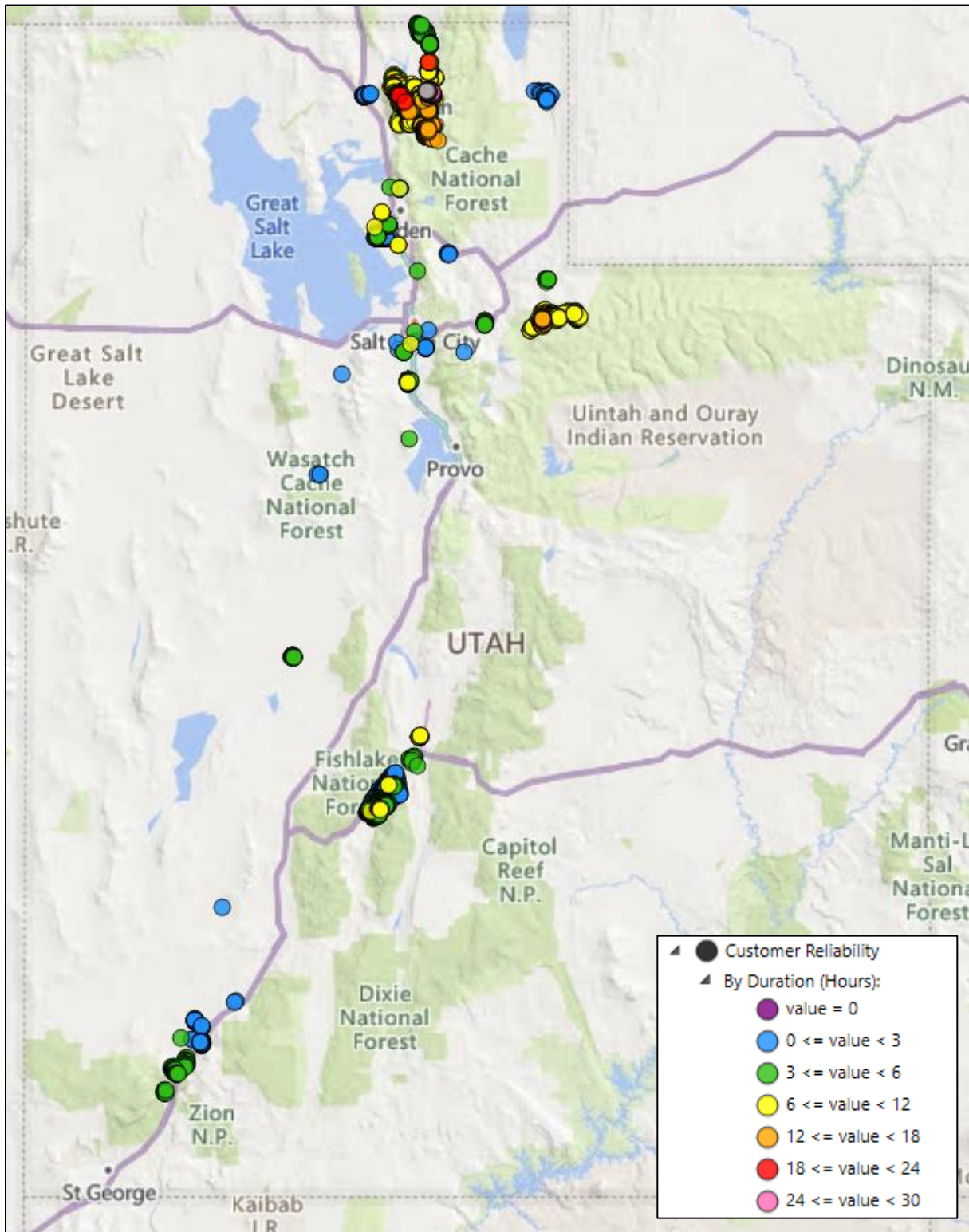
### Outage Summary

Event Outage Summary	
Number of Interruptions (sustained events)	149
Total Customer Interrupted (sustained events)	16,989
Total Customer Minutes Lost	7,089,908
State Event SAIDI Impact	7.23
Event CAIDI	417
Major Event Start	10/12/21 12:00 AM
Major Event End	10/12/21 11:59 PM

### Restoration Intervals

Total Customer Sustained Outage Events	< 3 Hrs.	3 – 24 Hrs.	24+ Hrs.
16,989	4,337	12,651	1

Figure displaying the extent and duration of the event throughout the state



**Restoration Resources**

<b>Personnel</b>	
Internal Local Crewmembers	88
External (Contract) Crewmembers	25
Troubleman	9
Substation Crewmembers	3
Vegetation Crewmembers	21
Foreman	2
Administrative	0
Transportation	1
Warehouseman	4
<b>Total</b>	

<b>Materials</b>	
# Poles (Distribution)	5
# Poles (Transmission)	0
Approximate Line Conductor (Feet)	2844
# Transformers	5
# Crossarms	6
Insulators	3
Cutouts	23
Line fuses	70
Line splices	232
Guy Wire	0
Arrestors	0

**Estimated Major Event Costs**

	<b>Labor</b>	<b>Contracts</b>	<b>Materials</b>	<b>Overheads</b>	<b>Total</b>
Capital	\$17,705	\$3,835	\$10,722	\$3,652	<b>\$35,915</b>
Expense	\$272,716	\$69,529	\$14,105	\$3,748	<b>\$360,098</b>
<b>Total</b>	<b>\$290,421</b>	<b>\$73,365</b>	<b>\$24,827</b>	<b>\$7,400</b>	<b>\$396,013</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 2021 annual threshold for Utah is 4,456,512 (4.54 State SAIDI minutes).

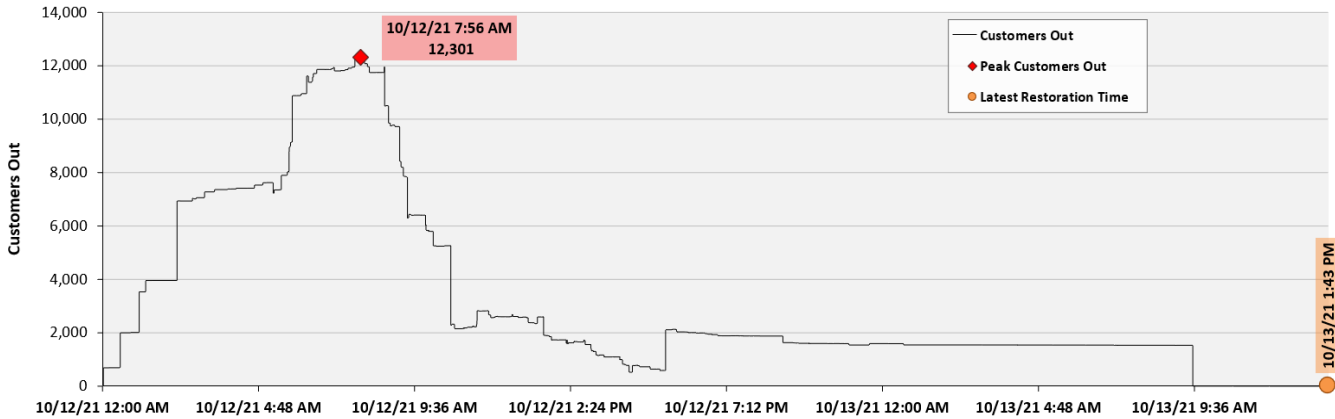
### **SAIDI, SAIFI, CAIDI by Reliability Reporting Region**

Please see attached system-generated reports.

### Customers Out vs. Time

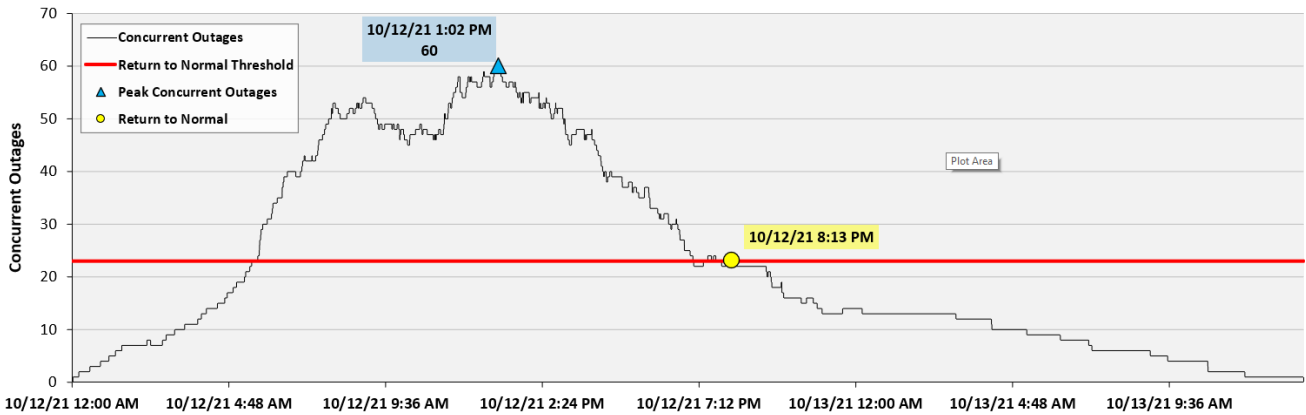
Utah Major Event

Total Event Sustained Customer Interruptions: 16,989



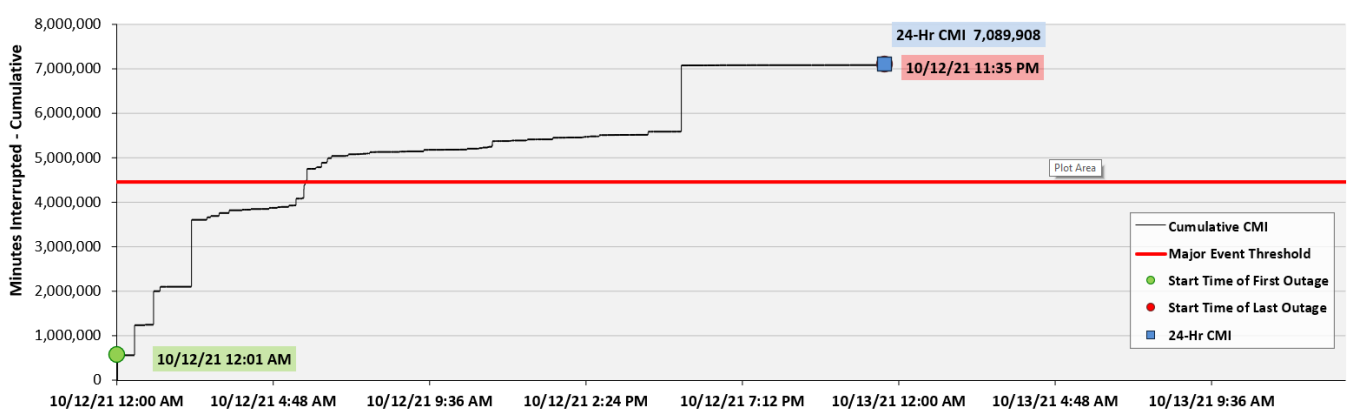
### Concurrent Outages vs. Time

Total Event Outages: 149



### Customer Minutes Interrupted vs. Time (Cumulative)

Total Customer Minutes Interrupted: 7,089,908





**PacifiCorp Major Event Report**  
Customer Analysis

	Utah	Customer Analysis 10/12/21 through 10/12/21					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
		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
	<b>PacifiCorp Major Events Report Customer Analysis*</b>																
PC	PACIFICORP	16,989	1%	7,089,908	149	2,019,764	4,282	4,337	12,651	1	-	-	-	26%	3.51	0.008	417
RMP	Rocky Mountain Power	16,989	1%	7,089,908	149	1,212,523	4,282	4,337	12,651	1	-	-	-	26%	5.85	0.014	417
UT	Utah	16,989	2%	7,089,908	149	981,102	4,282	4,337	12,651	1	-	-	-	26%	7.23	0.017	417
UT	AMERICAN FORK	1	0%	220	1	120,574	-	-	1	-	-	-	-	0%	0.00	0.000	220
UT	CEDAR CITY	579	2%	50,000	18	36,829	58	469	110	-	-	-	-	81%	1.36	0.016	86
UT	CEDAR CITY (MILFORD)	1	0%	163	1	2,895	-	1	-	-	-	-	-	100%	0.06	0.000	163
UT	EVANSTON	19	2%	4,712	2	792	20	10	9	-	-	-	-	53%	5.95	0.024	248
UT	JORDAN VALLEY	569	0%	126,554	8	247,019	-	80	489	-	-	-	-	14%	0.51	0.002	222
UT	LAYTON	1,821	2%	298,691	5	76,120	-	1,732	89	-	-	-	-	95%	3.92	0.024	164
UT	MONTPELIER	1	0%	73	1	3,503	-	1	-	-	-	-	-	100%	0.02	0.000	73
UT	OGDEN	243	0%	66,545	9	113,954	-	61	182	-	-	-	-	25%	0.58	0.002	274
UT	PARK CITY	1,649	5%	748,696	6	34,919	-	250	1,399	-	-	-	-	15%	21.44	0.047	454
UT	RICHFIELD	2,371	15%	515,998	22	16,063	-	977	1,394	-	-	-	-	41%	32.12	0.148	218
UT	RICHFIELD (DELTA)	115	3%	23,987	1	3,924	-	-	115	-	-	-	-	0%	6.11	0.029	209
UT	SLC METRO	40	0%	6,653	10	228,261	-	29	11	-	-	-	-	73%	0.03	0.000	166
UT	SMITHFIELD	9,227	35%	5,214,665	59	26,253	4,204	374	8,852	1	-	-	-	4%	198.63	0.351	565
UT	TOOELE	5	0%	579	3	26,010	-	5	-	-	-	-	-	100%	0.02	0.000	116
UT	TREMONTON	348	3%	32,373	3	11,262	-	348	-	-	-	-	-	100%	2.87	0.031	93

\*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>10/26/21</b>

**PacifiCorp Major Event Report**  
SSC by State Analysis

	Utah	Event 10/12/21 through 10/12/21						Month 10/01/21 through 10/20/21						YTD FY2021 01/01/21 through 10/20/21					
		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</b>																		
	<b>PacifiCorp Major Events Report SSC by State</b>																		
PC	PacifiCorp	3.87	0.011	356	-	-	-	9.25	0.063	147	5.64	0.049	114	204.54	1.082	189	92.45	0.807	115
RMP	Rocky Mountain Power	6.41	0.018	358	-	-	-	12.70	0.076	167	6.85	0.062	110	110.50	0.904	122	99.51	0.863	115
UT	Utah	7.23	0.017	417	-	-	-	13.38	0.082	163	6.15	0.065	95	101.53	0.806	126	94.31	0.789	120
UT	AMERICAN FORK	0.00	0.000	220				0.14	0.001	176	0.14	0.001	176	6.00	0.039	155	6.00	0.039	155
UT	CEDAR CITY	0.05	0.001	86				0.09	0.001	122	0.03	0.000	311	4.45	0.045	99	4.40	0.045	99
UT	CEDAR CITY (MILFORD)	0.00	0.000	163				0.00	0.000	130	0.00	0.000	127	0.60	0.005	113	0.60	0.005	113
UT	EVANSTON	0.00	0.000	248				0.01	0.000	327	0.00	0.000	1,821	0.22	0.002	111	0.21	0.002	110
UT	JORDAN VALLEY	0.13	0.001	222				3.22	0.039	83	3.09	0.038	81	24.17	0.202	120	24.04	0.201	120
UT	LAYTON	0.30	0.002	164				0.58	0.005	119	0.27	0.003	91	6.03	0.063	96	5.73	0.061	94
UT	MOAB	-	-	-				0.00	0.000	205	0.00	0.000	205	1.27	0.011	121	1.27	0.011	121
UT	MONTPELIER	0.00	0.000	73				0.00	0.000	73	-	-	-	1.14	0.016	73	1.14	0.016	73
UT	OGDEN	0.07	0.000	274				0.95	0.008	112	0.88	0.008	107	13.85	0.108	128	13.79	0.108	128
UT	PARK CITY	0.76	0.002	454				1.00	0.003	381	0.23	0.001	250	4.39	0.024	184	3.62	0.022	164
UT	PRICE	-	-	-				0.01	0.000	151	0.01	0.000	151	0.65	0.010	64	0.65	0.010	64
UT	RICHFIELD	0.53	0.002	218				0.57	0.003	211	0.04	0.000	155	3.40	0.020	174	2.87	0.017	167
UT	RICHFIELD (DELTA)	0.02	0.000	209				0.04	0.000	160	0.01	0.000	109	1.17	0.009	136	1.15	0.009	135
UT	SLC METRO	0.01	0.000	166				0.77	0.006	129	0.77	0.006	129	21.93	0.181	121	21.92	0.181	121
UT	SMITHFIELD	5.32	0.009	565				5.71	0.014	420	0.40	0.004	94	7.30	0.034	217	1.99	0.024	82
UT	TOOELE	0.00	0.000	116				0.25	0.003	98	0.24	0.003	98	3.15	0.026	121	3.15	0.026	121
UT	TREMONTON	0.03	0.000	93				0.07	0.001	104	0.03	0.000	117	0.98	0.008	119	0.94	0.008	120
UT	VERNAL	-	-	-				0.00	0.000	254	0.00	0.000	254	0.84	0.005	165	0.84	0.005	165

\*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>10/26/21</b>