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Salt Lake City, Utah 84114

August 5, 2020

VIA ELECTRONIC FILING

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

Attention: Gary Widerburg
Commission Administration

RE: **Docket No. 20-035-36**
Major Event Report for June 5 – June 8, 2020

Rocky Mountain Power is requesting major event exclusion for the events related to a severe windstorm on June 5 through June 8, 2020, causing widespread outages in the greater Salt Lake City area.

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 Joshua Jones, Director Asset Management, at (801) 220-4212.

Sincerely,

Joelle Steward
Vice President, Regulation

Enclosures

Report to the Utah Public Utility Commission
Electric Service Reliability - Major Event Report UT-20-2

Event Date:	June 5, 2020
Date Submitted:	August 5, 2020
Primary Affected Locations:	Ogden/Tooele/Tremonton/Jordan Valley/SLC Metro
Primary Cause:	Weather – Wind Storm
Exclude from Reporting Status:	Yes
Report Prepared by:	Brett Carleton/Chase Talbot
Report Approved by:	Curtis Mansfield/Joshua Jones

Event Description and Restoration Summary

A storm system moved across the state of Utah beginning June 5, 2020, and extending over a three day period. The storm brought strong winds and precipitation to the region causing widespread outages to Rocky Mountain Power customers. The damage to company facilities resulted in 50,451 customer interruptions.

During the storm, wind gusts reached up to 60 mph, with the strongest wind gusts occurring on Friday afternoon into Saturday morning. The winds caused wires to wrap together, poles to blow down and tree branches to fall through power lines. This was followed by light rain, leading to pole fires due to dirt contamination from the wind storm. The pattern of wind followed by rain continued over a long period of time causing difficulty in restoration efforts. As crews began to restore service to customers, new outages would emerge and continue to grow.

Restoration efforts included line and vegetation crews which were dispatched to clear tree branches, tangled lines and repair fallen lines and poles. These outages ranged from circuit level outages to individual customer outages spread throughout the Wasatch Front region. Due to the volume of outages, a portion of the restoration efforts were supported by contract labor along the Wasatch Front. With the storm impacting much of the state, additional resources from other districts were not available due to widespread outages. In some cases, resources were also limited due to the COVID-19 pandemic such as the Tremonton offices where the entire staff was under quarantine and not available for restoration efforts. Additionally, due to the event lasting greater than 24 hours, periods of crew rest were required to ensure a safe working environment. Together these conditions led to labor resource shortages and extended outage durations.

One significant event occurred in the evening of June 5, 2020, when strong winds in the Ogden area caused two transmission structures to fall, causing the overhead conductor to collapse across I-15. This resulted in a pair of vehicle accidents, a brush fire, a closed freeway, and power outages to 2,063 customers. Crews responded quickly and were able to get the conductor off of the freeway and power restored within three hours 30 minutes.

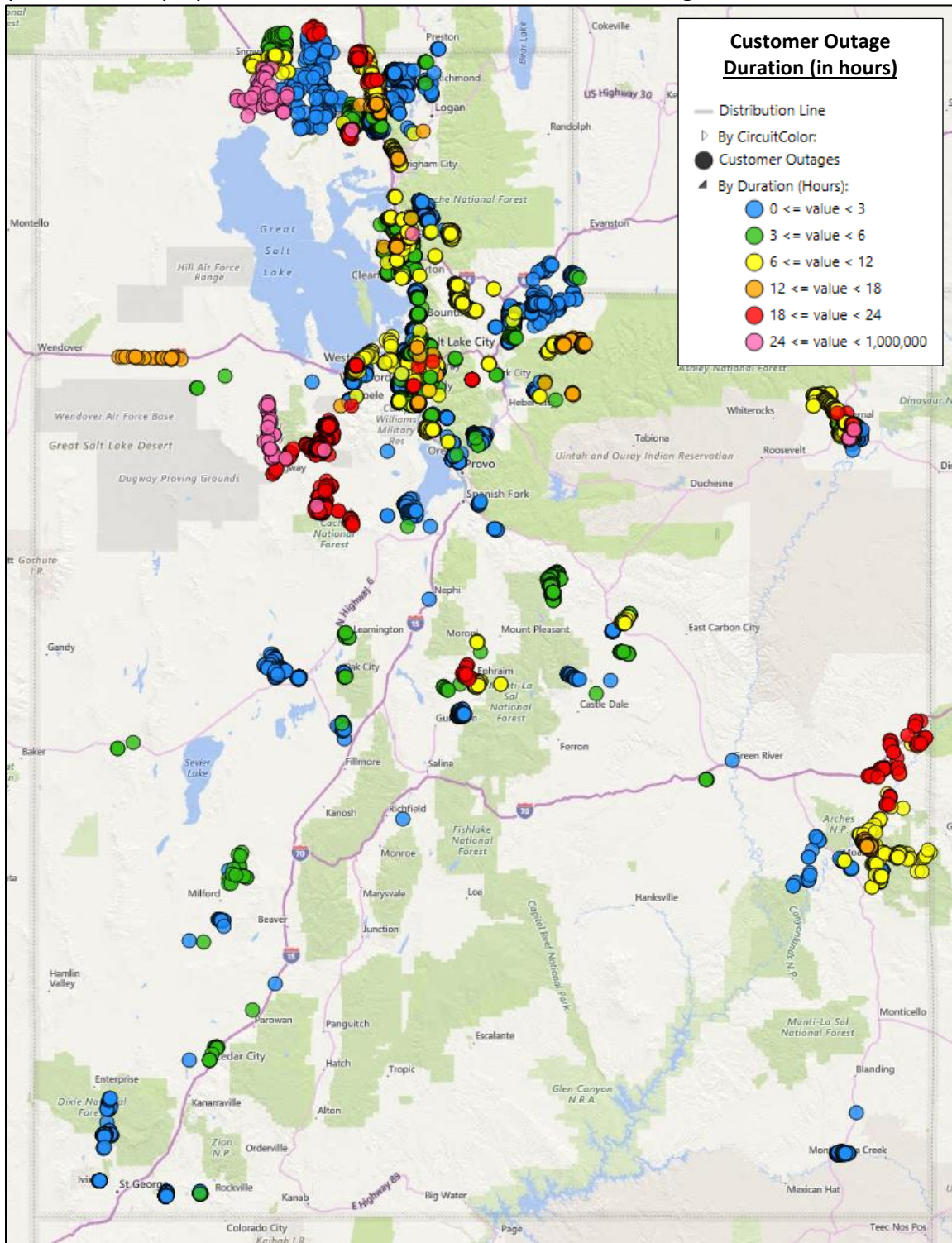
Another significant event occurred in the morning of June 6, 2020, near Tooele, when high winds caused 10 transmission structures to fall in a remote area and six distribution poles. The event impacted 1,573 customers with restoration efforts requiring extensive resources with limited options available for switching.

In the Vernal area, high winds and heavy rainfall downed many trees which fell onto overhead conductors breaking poles and cross arms, tearing down conductor and service wire. Crews repaired or replaced ten distribution poles, 15 crossarms, four transformers, and several spans of conductor. There were widespread outages that affected the whole basin area, but Naples was hit particularly hard, where over 3,000 customers were out at times. Restoration efforts began in the morning of June 6 and continued until Monday June 8 and involved two Rocky Mountain Power crews, two contract line crews and two trees crews.

To date, there have been no company or commission customer complaints made regarding the major event.

Event Outage Summary	
# Interruptions (sustained events)	528
Total Customer Interrupted (sustained events)	50,451
Total Customer Minutes Lost	12,259,314
State Event SAIDI Impact	12.8 minutes
CAIDI	243
Major Event Start	6/5/20 12:00 PM
Major Event End	6/8/20 6:42 PM

The graphic below displays the extent and duration of the event throughout the state.



Restoration Intervals

Total Customer Sustained Outage Events (entire major event period)	< 3 Hrs.	3 – 24 Hrs.	24+ Hrs.
50,451	26,323	24,075	53

Restoration Resources

Personnel Resources	
Internal Local Crewmembers	130
External (Contract) Crewmembers	43
Troubleman	12
Substation Crewmembers	12
Vegetation Crewmembers	6
Foreman	2
Administrative	2
Transportation	4
Warehouseman	10
Estimators	6
TOTAL	227

Materials	
# Poles (Distribution)	56
# Poles (Transmission)	14
Approximate Line Conductor (Feet)	35,413
# Transformers	9
# Crossarms	79
Insulators	432
Cutouts	113
Line fuses	3
Line splices	179
Guy Wire	6,275
Arrestors	44

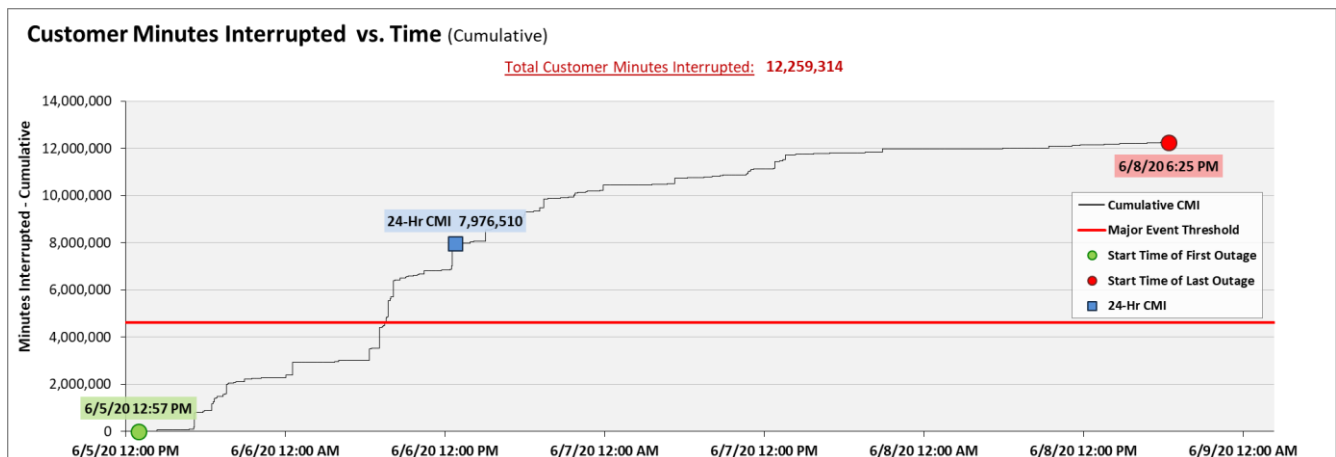
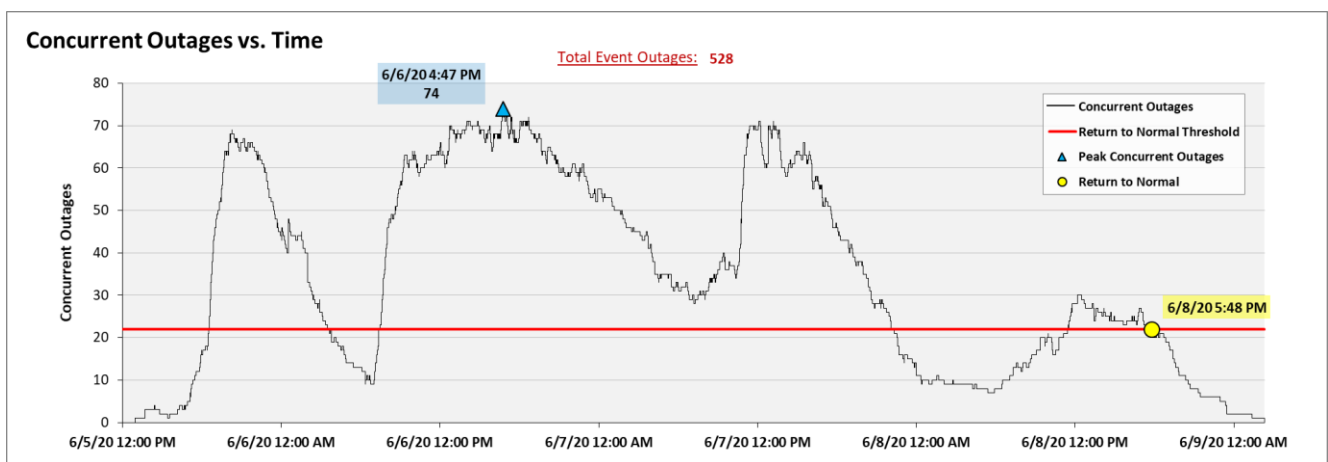
State Estimated Major Event Costs

Estimate \$	Labor	Contracts	Materials	Overheads	TOTAL
Capital	\$39,901	\$155,884	\$91,923	\$26,267	\$313,975
Expense	\$118,885	\$363,700	\$47,082	\$8,496	\$538,164
Total	\$158,787	\$519,584	\$139,005	\$34,763	\$852,139

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 2020 annual threshold for Utah is 4,614,773 (4.84 state SAIDI minutes).

Event Details



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

PacifiCorp Major Event Report

Customer Analysis

	Utah	Customer Analysis 6/5/2020 through 6/8/2020					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	
	PacifiCorp Major Events Report Customer Analysis*																	
PC	PACIFICORP	56,039	3%	14,041,034	257	1,982,346	11,578	23,215	32,824	-	-	-	-	41%	7.08	0.028	251	
RMP	Rocky Mountain Power	56,039	5%	14,041,034	257	1,183,049	11,578	23,215	32,824	-	-	-	-	41%	11.87	0.047	251	
UT	Utah	56,039	6%	14,041,034	257	954,372	11,578	23,215	32,824	-	-	-	-	41%	14.71	0.059	251	
UT	AMERICAN FORK	983	1%	170,723	29	114,373	9,076	866	117	-	-	-	-	88%	1.49	0.009	174	
UT	CEDAR CITY	656	2%	77,240	14	35,637	234	580	76	-	-	-	-	88%	2.17	0.018	118	
UT	CEDAR CITY (MILFORD)	997	36%	239,419	9	2,783	-	24	973	-	-	-	-	2%	86.03	0.358	240	
UT	EVANSTON	24	3%	3,026	2	801	-	22	2	-	-	-	-	92%	3.78	0.030	126	
UT	JORDAN VALLEY	8,163	3%	1,402,597	66	237,516	5,298	5,024	3,138	1	-	-	-	62%	5.91	0.034	172	
UT	LAYTON	3,290	4%	526,079	21	74,224	4,235	2,170	1,120	-	-	-	-	66%	7.09	0.044	160	
UT	MOAB	1,453	16%	302,803	23	9,030	729	1,063	390	-	-	-	-	73%	33.53	0.161	208	
UT	OGDEN	10,207	9%	3,007,901	86	110,720	10,157	1,933	8,274	-	-	-	-	19%	27.17	0.092	295	
UT	PARK CITY	1,891	6%	519,418	29	34,361	2,384	1,282	609	-	-	-	-	68%	15.12	0.055	275	
UT	PRICE	736	7%	148,451	15	10,472	-	93	643	-	-	-	-	13%	14.18	0.070	202	
UT	RICHFIELD	236	1%	90,282	14	15,805	-	129	107	-	-	-	-	55%	5.71	0.015	383	
UT	RICHFIELD (DELTA)	235	6%	28,537	9	3,868	-	200	35	-	-	-	-	85%	7.38	0.061	121	
UT	SLC METRO	9,078	4%	1,332,228	138	227,375	6,126	6,273	2,805	-	-	-	-	69%	5.86	0.040	147	
UT	SMITHFIELD	835	3%	37,553	13	25,241	-	822	13	-	-	-	-	98%	1.49	0.033	45	
UT	TOOELE	3,022	12%	1,830,840	26	24,945	2,474	513	2,509	-	-	-	-	17%	73.40	0.121	606	
UT	TREMONTON	7,668	70%	1,690,137	32	10,947	-	5,426	2,206	20	16	-	-	71%	154.39	0.700	220	
UT	VERNAL	3,252	25%	1,284,096	31	12,916	6	1,331	1,905	16	-	-	-	41%	99.42	0.252	395	

*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.

Date*	Customer Interrupted by Date 6/5/2020 through 6/8/2020					Customers Restored by Intervals									Major Event Only - metric by state customer counts		
	Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	Average 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	
6/5/2020	13,411	1%	2,374,790	117	954,372	8,784	8,263	5,148	-	-	-	-	62%	2.49	0.014	177	
6/6/2020	28,296	3%	8,267,378	208	954,372	23,028	13,456	14,788	36	16	-	-	48%	8.66	0.030	292	
6/7/2020	6,703	1%	1,544,661	154	954,372	8,417	2,585	4,117	1	-	-	-	39%	1.62	0.007	230	
6/8/2020	4,316	0%	504,503	78	954,372	490	3,447	869	-	-	-	-	80%	0.53	0.005	117	

PacifiCorp Major Event Report

SSC by State Analysis

	Utah	Event 06/05/20 through 06/08/20						Month 06/01/20 through 06/30/20						YTD FY2021 01/01/20 through 06/30/20					
		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
	PacifiCorp																		
PC	PacifiCorp	6.40	0.027	241	0.10	0.000	203	13.41	0.081	165	7.11	0.055	129	42.78	0.307	139	29.47	0.252	117
RMP	Rocky Mountain Power	10.73	0.045	241	0.17	0.001	203	22.47	0.136	165	11.91	0.092	129	71.69	0.514	139	49.39	0.423	117
UT	Utah	13.30	0.055	241	0.21	0.001	203	27.85	0.168	165	14.76	0.114	129	88.86	0.637	139	61.22	0.524	117
UT	AMERICAN FORK	0.18	0.001	174	0.00	0.000	98	1.35	0.009	143	1.17	0.008	140	6.81	0.071	96	6.64	0.070	95
UT	CEDAR CITY	0.08	0.001	118	0.02	0.000	154	0.60	0.008	74	0.54	0.008	72	4.31	0.035	125	4.19	0.034	124
UT	CEDAR CITY (MILFORD)	0.25	0.001	240	-	-	-	0.31	0.001	227	0.06	0.000	182	0.87	0.005	162	0.62	0.004	144
UT	EVANSTON	0.00	0.000	126	-	-	-	0.04	0.000	211	0.04	0.000	223	0.06	0.000	201	0.06	0.000	208
UT	JORDAN VALLEY	1.47	0.009	172	0.00	0.000	165	7.16	0.058	124	5.69	0.049	115	14.24	0.121	117	12.76	0.113	113
UT	LAYTON	0.55	0.003	160	0.00	0.000	52	1.22	0.010	120	0.67	0.007	99	3.07	0.033	94	2.51	0.029	86
UT	MOAB	0.32	0.002	208	-	-	-	0.49	0.003	165	0.17	0.001	119	1.04	0.006	176	0.72	0.004	165
UT	MONTPELIER	-	-	-	-	-	-	0.01	0.000	150	0.01	0.000	150	0.10	0.001	153	0.10	0.001	153
UT	OGDEN	3.15	0.011	295	0.04	0.000	178	4.92	0.024	204	1.81	0.014	133	12.89	0.083	156	9.77	0.072	135
UT	PARK CITY	0.54	0.002	275	0.01	0.000	262	1.11	0.005	236	0.57	0.003	208	4.43	0.031	144	3.89	0.029	135
UT	PRICE	0.16	0.001	202	-	-	-	0.26	0.002	157	0.10	0.001	116	1.45	0.013	110	1.29	0.012	105
UT	RICHFIELD	0.09	0.000	383	-	-	-	0.32	0.002	149	0.22	0.002	118	1.08	0.010	113	0.99	0.009	105
UT	RICHFIELD (DELTA)	0.03	0.000	121	0.01	0.000	303	0.41	0.002	215	0.39	0.002	230	0.72	0.004	195	0.70	0.003	200
UT	SLC METRO	1.40	0.010	147	0.02	0.000	153	3.98	0.024	164	2.60	0.015	175	27.20	0.173	158	12.51	0.108	115
UT	SMITHFIELD	0.04	0.001	45	0.00	0.000	84	0.07	0.001	64	0.03	0.000	128	0.69	0.008	86	0.65	0.007	91
UT	TOOELE	1.92	0.003	606	0.00	0.000	82	2.29	0.006	399	0.37	0.003	145	5.56	0.024	231	2.51	0.017	145
UT	TREMONTON	1.77	0.008	220	0.12	0.000	243	1.96	0.009	216	0.30	0.002	200	2.85	0.016	173	1.19	0.009	134
UT	VERNAL	1.35	0.003	395	-	-	-	1.36	0.004	378	0.02	0.000	96	1.49	0.004	348	0.12	0.001	155

*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
7/23/2020

CERTIFICATE OF SERVICE

Docket No. 20-035-36

I hereby certify that on August 5, 2020, a true and correct copy of the foregoing was served by electronic mail to the following:

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Mary Penfield
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