

Westar Energy North

June 21-22, 2019

Significant Event

This report has been prepared and is being submitted to comply with the Electric Reliability Requirements section 3, part N and section 6, part B of Docket 02-GIME-365-GIE.

Beginning on Friday, June 21 at approximately 5:00AM, extreme wind and lightning in the service area caused numerous outages in the northern areas of Westar. Most of the outages occurred in areas surrounding Lawrence and Topeka.

The peak number of customers without power occurred within the 9:00AM hour of June 21 and totaled approximately 17,986 customers. These accumulated outages have been classified as a “Significant Event”, having over 10,000 retail customers with sustained service interruptions in a 24 hour period.

Approximately 27,800 interrupted customers had been restored before 4:00 PM on June 22.

Communities & Cities affected during this event period:

City or Community Affected
Abilene
Alma
Alta Vista
Atchison
Basehor
Belvue
Bennington
Berryton
Beverly
Bonner Springs
Bridgeport
Burlingame
Canton
Carbondale
Cassoday
Chapman
Conway
Cummings
Delia
Denison
Easton
Edwardsville
Effingham
Elwood
Emporia
Eskridge
Eudora
Eureka
Fairview

City or Community Affected
Hope
Horton
Hutchinson
Junction City
Lansing
Lawrence
Leavenworth
Lebo
Lenexa
Lindsborg
Linwood
Longford
Madison
Manchester
Manhattan
Maple Hill
Mayetta
McFarland
Mentor
Meriden
Minneapolis
Muscotah
Nortonville
Olathe
Olpe
Ozawkie
Paxico
Perry
Piedmont

City or Community Affected
Rossville
Salina
Scranton
Piedmont
Potter
Reserve
Rossville
Sabetha
Salina
Scranton
Seneca
Shawnee
Smolan
South Hutchinson
Spring Hill
St. Marys
Tonganoxie
Topeka
Valley Falls
Wakarusa
Wakefield
Wathena
Waverly
Westfall
Winchester
Hiawatha
Holton
Potter
Robinson

Circuits affected during this event:

Circuit Name	Retail Electric Customers Affected
1,518,012,002	1
12CL012024	792
14LO012004	3
166 012016	294
17FL012003	74
17FL012006	4
17FL012007	17
17FL012010	4
17FL012011	2
18PL012002	1
19TH012012	622
19TH012014	355
19TH012022	114
27CR012005	190

Circuit Name	Retail Electric Customers Affected
29GA012003	44
29GA012004	4
30PR012014	22
30PR012024	3
41CA012005	26
41CA012006	16
4VAN012030	1,674
4VAN012031	3
54MR012003	1
54MR012004	1
54MR012005	75
6GOL012002	5
6TH 012014	1
6TH 012016	2,846

Circuit Name	Retail Electric Customers Affected
6TH 012022	27
6TH 012032	43
6TH 012034	48
6TH 012036	2,338
ALMA012001	12
ALVI012001	25
ARNO012022	69
BALD012042	2,541
CASS012014	184
CHAP012002	1
CITI012032	1
COLI012002	18
CRFD012001	55
CRFD012002	5

Circuits affected during this event (continued):

Circuit Name	Retail Electric Customers Affected
CRFD012003	1
CRPC012002	9
DAVI012002	4
DAVI012006	17
DAVI012008	7
DEER012001	28
DENI012002	103
DOYL012001	5
DRIV012014	1
EABI012002	1
EDUC012002	4
EDUC012004	41
EDUC012012	1
EDUC012014	44
EEUR012022	62
EEUR012026	1
EFAI012002	2
EFAI012004	123
EFFJ012001	998
EUDO012026	14
FABA012012	9
FAIG012004	1,346
FAIG012012	136
FAIG012014	1
FAIR012014	1
FMC 012016	17
FOUR012002	129
HALL012014	23
HALL012016	1,064
HALL012022	41
HEAR012002	4
HHSS012002	5
HUND012001	293
INDA012002	4
JAGG012012	2,023
JAGG012022	10
JUNC012004	2
JUNC012006	1
KEEN012001	1
LAWH012012	444
LAWH012024	20
LEBO012014	2

Circuit Name	Retail Electric Customers Affected
LEVE012004	33
MADI012016	6
MATT012002	79
MATT012003	15
MATT012004	3
MATT012006	1
MOCL012006	64
MTRP012012	35
NORL012005	2
NORL012010	7
NORL012012	166
NORV012012	18
NORV012014	8
NTYL012007	3
NTYL012008	19
NWLE012012	150
OAKH012000	21
OLPE012014	4
OSKA012000	3
PARA012012	1
PENT012012	4
QUIN012003	4
QUIN012004	12
QUIN012007	303
QUIN012008	1,106
QUIN012009	1,978
READ012014	5
RKCR012001	302
RKCR012002	1
ROSS012002	4
SBEN012001	32
SBEN012002	19
SCRA012001	5
SESK012001	2
SGAG012007	1
SGAG012008	35
SHWD012002	11
SKYW012012	8
SMOK012001	1
SMOK012002	11
SO10012024	1
SOLC012001	1

Circuit Name	Retail Electric Customers Affected
SPRI012032	18
SPRU012012	2
SPRU012016	61
SPRU012018	1
SPRU012022	21
SPRU012024	2
SWLA012014	120
SWLA012016	20
SWLA012024	9
SWLA012026	46
SWLA012034	114
TALM012001	1
TESC012001	37
THOR012014	20
TIML012014	1
TIML012022	1
TIML012032	99
TONG012012	5
TONT012002	3
VAFC012012	5
WABI012012	23
WALG012000	3
WALN012012	2
WALN012024	1
WATH012026	202
WEMP012022	52
WEMP012024	12
WEMP012036	55
WILD012009	7
WJC 012002	2
WJC 012003	120
WJC 012004	165
WJC 012034	5
WREN012012	159
WREN012014	1,036
BLVU012000	1
MCRK012002	3
AMEL012044	8
AMEL012046	50
WREN012016	66
PEIL012002	1
PEIL012004	204

Circuits affected during this event (continued):

Circuit Name	Retail Electric Customers Affected
CECR012016	27
4VAN012032	101
12CL012023	57
HISL012003	301
EIRN012001	17
EDWV012024	53
DIVL012002	1
EVER012014	1
CONY012000	89
JAGG012016	1

Circuit Name	Retail Electric Customers Affected
WATH012014	26
GOFF012004	25
JUNC012001	7
GALV012001	21
CANT012003	26
SMOK012006	1
SMOL012002	1
MOON012032	1
MOON012036	5
WAKE012001	166

Circuit Name	Retail Electric Customers Affected
JAGG342405	1
LORR012012	19
CECR012012	99
CECR012006	56
INDI012004	160
WJC 012006	122
MIDJ012022	2
MIDJ012024	1
53MU012022	363
INDP012002	6

Root Causes and Equipment Failure:

Root Cause	Customers Out	Number of Outages
Failed Equipment	9,372	121
Vegetation	9,211	149
Unknown	6,667	15
Lightning	2,940	168
Other	419	27
Total During Storm	28,609	480

Equipment Types	Customers Out by Cause			
	Equipment	Trees	All Other Causes	All Causes
No failed equipment identified	188	9,121	9,957	19,266
Wire & Conductor	5,922	17	0	5,939
Other	1,281	27	2	1,310
Poles & Structures	1,198	0	0	1,198
Switches	346	46	3	395
Arrestors	308	0	64	372
Transformers	129	0	0	129
SubTotal During Storm	9,372	9,211	10,026	28,609

Restoration Progress:

