

Westar Energy South

June 23, 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 Saturday June 22, 2019 at approximately 6:00PM, extreme weather with wind and lightning in the service area caused numerous outages in the southern areas of Westar. Most of the outages occurred in the Wichita area.

The peak number of customers without power occurred within the 9:00AM hour of June 23 and totaled approximately 7,365 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 14,800 interrupted customers had been restored before 3:00 AM on June 24.

Communities & Cities affected during this event period:

City or Community Affected
Andover
Arkansas City
Atlanta
Augusta
Bellaire
Belle Plaine
Burlington
Burrton
Cheney
Clearwater
Derby
Douglas
Grenola
Halstead

City or Community Affected
Humboldt
Independence
Iola
Kincaid
Le Roy
Leon
McCune
Moline
Mulvane
Newton
Park City
Garden Plain
Goddard
Haysville

City or Community Affected
Yates Center
Peck
Pittsburg
Potwin
Rose Hill
Sedgwick
Towanda
Valley Center
Wichita
Winfield
Eastborough
El Dorado
Fort Scott

Circuits affected during this event:

Circuit Name	Retail Electric Customers Affected
17TH012014	150
17TH012016	97
17TH012026	1
21ST012002	32
21ST012004	14
21ST012016	6
29TH012014	3
59TH012002	71
59TH012004	181
ADA 012002	6
ALLE012002	80
ALLE012004	1
ANDO012002	93
ANDO012014	4
BELA012002	1
BELA012006	49
BELL012002	4
BURR012012	7
BURR012016	4
CANA012008	131
CANA012014	27
CANA012016	337
CANA012024	34
CANA012026	1
CANA012028	150

Circuit Name	Retail Electric Customers Affected
CENT012012	2
CENT012014	14
CHES012002	3
CHIS012002	48
CHIS012004	262
CLWA012002	10
CLWA012004	27
COLE012002	6
CRAW012002	52
EAST012032	129
EAST012034	44
ELPA012002	862
ELPA012004	56
ELPA012006	170
FARB012004	1,018
FARB012006	3
FARB012014	665
FARB012016	101
FLCE012000	3
FORT012004	33
FOWL012008	3
FOWL012010	4
FROT012026	2
GATZ012008	4
GLEN012002	375

Circuit Name	Retail Electric Customers Affected
GLEN012004	47
GLEN012012	51
GODD012002	577
GODD012006	4
GREE012002	2
GREN002000	3
GRNT012022	1
GRNT012024	5
HALS012002	10
HALS012006	1
HALS012008	3
HARR012004	4
HAYS012002	1
HAYS012006	693
HOOV012002	21
HOOV012006	7
HOOV012020	8
HOOV012024	1
HUDS012022	4
HYDR012002	61
HYDR012004	101
INDE012002	4
INDE012006	50
INNO012004	30
INTE012014	6

LAKE012002	1
LAKE012012	2,423
LEON012002	1
LEON012004	11
LIN 012002	24
MACA012004	111
MACA012008	52
MAGN012002	2
MAHA012002	1
MASC012004	221
MASC012006	35
MIDI012022	2
MIDI012024	9
MIDI012026	3
MIDL012006	104
MOBI012008	154
MOBI012010	3
MOLI002000	1
MONT012002	1
MONT012008	20
MOSS012002	51
MOSS012012	18
MRFH012001	16
MURR012002	1
NORT012002	47
OAK 012002	5
OAK 012004	2

OSAG012002	12
OSAG012010	10
OSAG012012	64
PARI012006	47
PEAB012004	1
PECK012002	939
PECK012012	41
PITT004018	5
PITT012012	14
POTW012004	1
RAIN012002	3
REED012002	4
RICH012002	840
RICH012004	363
RIPL012008	5
RIVE012002	40
RIVE012004	41
ROSE012002	46
ROSE012004	2
RUTA012002	81
RUTA012006	14
SDAL012002	1
SENE012002	105
SENE012004	18
OAKL012002	109
OAKL012004	2
OATV012002	41

TYLE012004	43
TYLE012008	12
UDAL012008	8
VIST012004	8
VIST012006	96
VIST012008	12
WARE012004	1
WASS012002	1
WEAV012002	1
WEAV012004	45
WEBB012004	1
WEST012006	132
SHER012008	32
SHER012010	22
SHER012022	11
SKEL012010	109
SUNS012002	6
SUNS012004	10
TAYL012004	40
THUN012006	792
TIMB012006	1
TYLE012002	384
OATV012004	2
OLIV012002	75
ORCH012002	16
ORCH012004	2

Root Causes and Equipment Failure:

Root Cause	Customers Out	Number of Outages
Lightning	6,792	149
Vegetation	3,121	125
Failed Equipment	2,252	95
Unknown	1,350	31
Animals/Wildlife	1,239	11
All Other	352	19
Total During Storm	15,106	430

	Customers Out by Cause			
	Lightning	Trees	All Other Causes	All Causes
Equipment Types				
No failed equipment identified	6,483	2,667	2,947	12,097
Wire & Conductor	0	333	643	976
Poles & Structures	0	0	779	779
Insulators	0	0	580	580
Switches	290	31	136	457
Transformers	18	0	90	108
Other	0	90	6	96
Arrestors	1	0	12	13
SubTotal During Storm	6,792	3,121	5,193	15,106

Restoration Progress:

