

Request for Load Data for Sioux Falls Area

Xcel Energy (XEL) is currently in the process of performing studies with the Western Area Power Administration (WAPA) in regards to load-serving requirements to Sioux Falls. The XEL Wholesale Merchant Function (WMF) has been tasked to perform this study on behalf of XEL. As part of the study process it is necessary to calibrate the model for the Sioux Falls area. This will require historical Line and Transformer MW loadings.

The WMF is requesting the XEL Transmission Function (TF) to provide historical (from the EMS data warehouse) actual hourly MW loadings for the following lines, transformers, and calc point for the time period of June 1, 2005 to September 30, 2005.

Distribution Substations

Lawrence (LAW)

115-34.5 kV #1
115/69 kV #7

Minnehaha (MHA)

115-13.8 kV # 1 & 2

W Sioux Falls (WSF)

115-13.8 kV #7 & 8
115/69 kV # 5

Sioux Falls (SFS)

69-13.8 kV # 7 & 8

Cherry Creek (CHC)

115-13.8 kV #1
115-34.5 kV #3

Cliff Avenue (CLF)

69-13.8 kV
69-4.16 kV (if available)

South Sioux Falls (SOS)

69-13.8 kV #3 & 4
69-4.16 kV # 1 & 2 (if available)

Lincoln Co (LCO)

115/69 kV #1
115-13.8 kV #8

[Is there another 115-13.8 or 115-34.5kV transformer at Lincoln Co now?
If so please include in the data request]

Other Line & Transformer flows

Grant-Mitchell 115 kV
Lawrence-WAPA Sioux Falls 115 kV
Split Rk-Pathfinder 115 kV
Split Rk 115/161 kV #6
Split Rk 230/115 kV #7
Split Rk 345/115 kV # 10 & 11
Grant 115/69 kV #1
Lincoln Co-Harrisburg 69 kV
"Sioux Falls Area Load"