

Tri-State Generation and Transmission Association 2014-2023 Transmission Plan

Keota 345:115 kV Project

Project Sponsor:	Tri-State Generation and Transmission Association
Additional Project Participants:	
Project Description:	115 kV load serving connection on LRS-Story 345 kV line.
Voltage Class:	345 kV
Facility Rating:	225 MVA
Point of Origin/Location:	Keota substation
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Substation
Development Status:	Under Construction
Routing:	
Subregional Planning Group:	CCPG
Purpose of Project:	Load Serving
Estimated Cost (in 2013 Dollars):	\$ 26 M
Schedule:	
Construction Date:	2014
Planned In-Service Date:	2015
Regulatory Info:	Started
Regulatory Date:	
Permitting Info:	Started
Permitting Date:	
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Website Information	http://www.tristategt.org/transmissionPlanning/puc3627_TransmissionProjects.cfm

Keota 345:115 kV

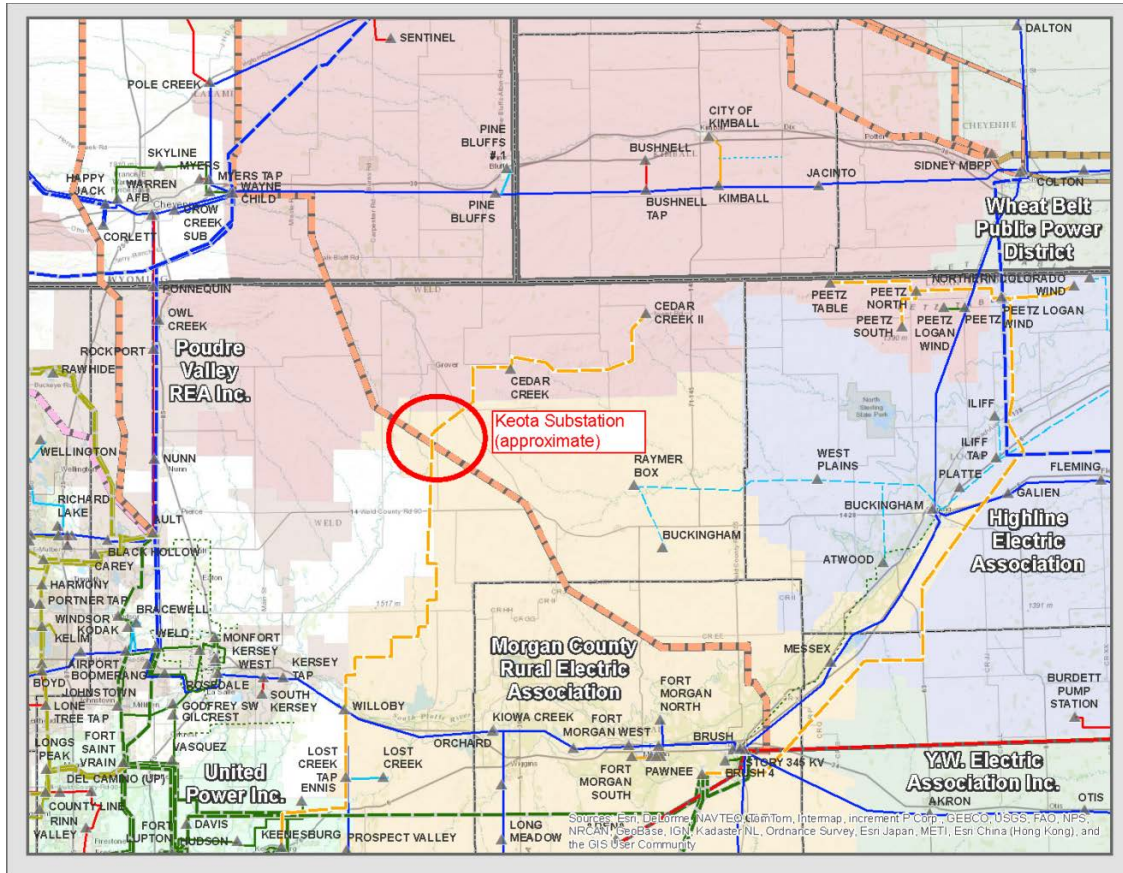


Figure 4: Keota 345:115 kV Project Map

The goal of the Keota 345:115 kV project is to sectionalize the Laramie River Station (LRS) – Story 345 kV line for a load serving connection approximately 60-65 miles North West of Story.

Tri-State would install a 225 MVA, 345/115 kV transformer at Keota substation, with the possible future addition of a second transformer. The level of load planned for this substation is initially 40 MW, with a potential increase to 120 MW based on the most recent load connection requests.