



***Facility Study
For
Generation Interconnection
Request
GEN-2007-003***

SPP Tariff Studies

(#GEN-2007-003)

November 2008

Executive Summary

<OMITTED TEXT> (Customer) has requested a Facility Study under the Southwest Power Pool Open Access Transmission Tariff for the purpose of interconnecting a coal fired steam turbine generator within the control area of Sunflower Electric Power Corporation (SUNC) located in Sherman County, Kansas. The originally proposed in-service date of the generation is September 1, 2007.

Due to the machine parameters provided by the Customer for the Gen-2007-003 Impact Study, the queue position for this Interconnection Request has been lowered from the initially requested 30 MW to 20 MW.

The proposed method of interconnection is to add a new 115kV breaker and line terminal into the City of Goodland substation, located within the control area of SUNC. The total cost of the interconnection facilities for this interconnection request is approximately \$595,000.

1. Introduction

<OMITTED TEXT> (Customer) has requested a Facility Study under the Southwest Power Pool Open Access Transmission Tariff for the purpose of interconnecting a coal fired steam turbine generator into the transmission facilities of (SUNC) located in Sherman County, Kansas. The originally proposed in-service date of the generation is September 1, 2007.

Due to the machine parameters provided by the Customer for the Gen-2007-003 Impact Study, the queue position for this Interconnection Request has been lowered from the initially requested 30 MW to 20 MW.

2. Interconnection Facilities

Figure 1 shows the interconnection facilities for this project, and Figure 2 shows the location of the City of Goodland Substation. The next two subsections describe the interconnection facilities and the Customer facilities and their estimated costs.

2.1. City of Goodland Substation

Table 1 shows the required interconnection facilities and the estimated cost for those facilities. The interconnection facilities will be constructed using the applicable SUNC engineering and construction standards. The Customer will be responsible for the costs as shown in Table 1.

Table 1: Required Interconnection Facilities

Facility	ESTIMATED COST (2008 DOLLARS)
SUNC – Add one 115kV line terminal including one circuit breaker and associated equipment into the City of Goodland 115kV substation.	\$595,000
Total	\$595,000

2.2. Customer Facilities

Table 2 shows direct assignment facilities for which the Customer is responsible. These facilities include the Generating Facility and its 115 kV substation which will contain its 115/12.47 kV transformer. Also, included are the 115 kV transmission line facilities that connect the Customer facilities to the City of Goodland 115 kV substation.

The cost of the direct assignment facilities is to be determined by the Customer.

Table 2: Direct Assignment Facilities

Facility	ESTIMATED COST (2008 DOLLARS)
Customer – (1) 12.37/115 kV Customer Substation facilities.	*
Customer – (1) 115kV transmission line facilities between Customer facilities and City of Goodland 115kV substation.	*
Customer - Right-of-Way for Customer facilities.	*
Total	*

Note: *Estimates of cost to be determined by the Customer

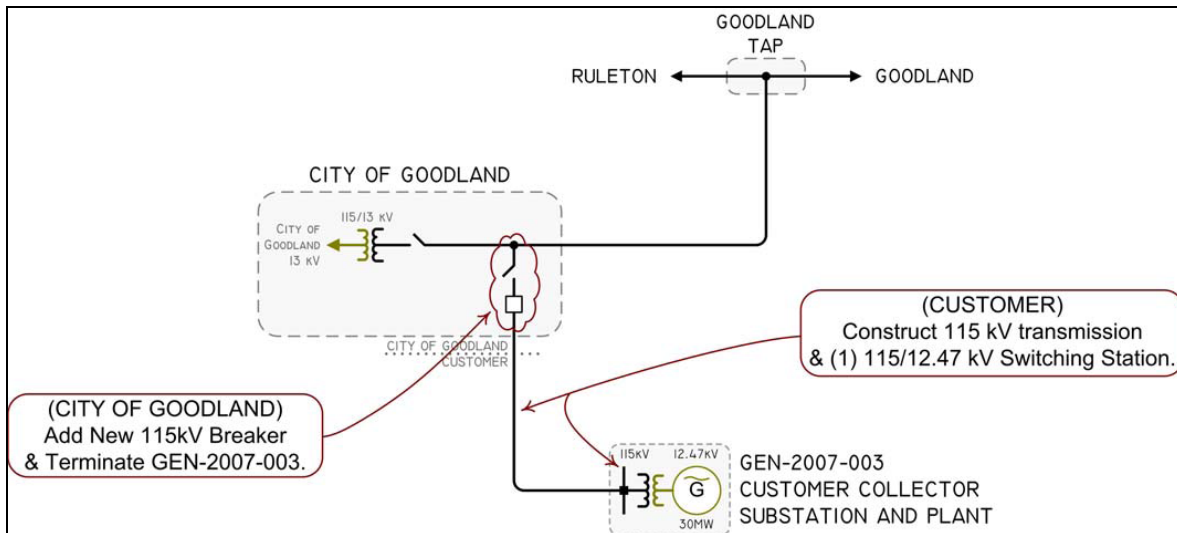


Figure 1: Interconnection Facilities for GEN-2007-003

3. Short Circuit Study

SUNC has indicated that no SUNC facilities will be affected due to short circuit contribution by the interconnection of GEN-2007-003.

4. Conclusion

The cost to interconnect the GEN-2007-003 generation interconnection request for 20MW is estimated by this Facility Study to be \$595,000. The cost of the Customer facilities is to be determined by the Customer

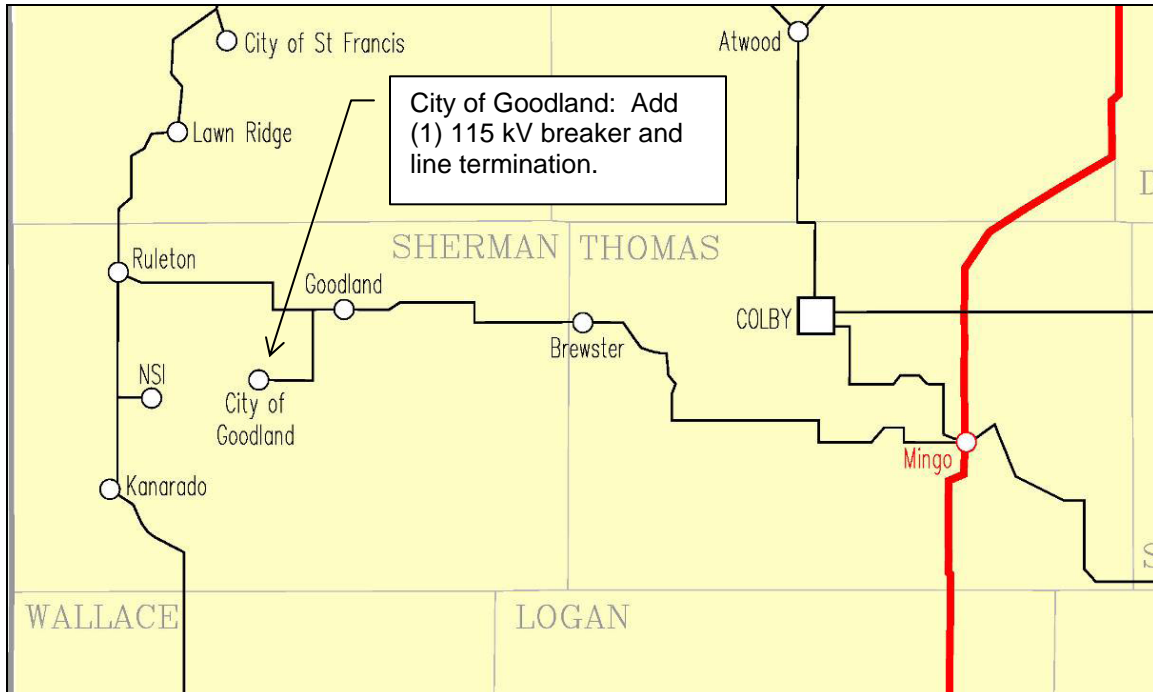


Figure 2: Map of the Local Area