



***FCS-2010-001 Shared Facility Study
for
Transmission Facilities in MIDW
(South Hays – Hays Plant – Vine Street 115kV)***

SPP Tariff Studies

(#FCS-2010-001)

April 2011

Summary

Midwest Energy Inc. (MIDW) provided a Facility Study grade estimate at the request of the Southwest Power Pool (SPP) for generation interconnection requests included in FCS-2010-001 Facilities Clustered Study. The requests for generation interconnection were placed with SPP in accordance with SPP's Open Access Transmission Tariff which covers new generation interconnections on the SPP transmission system.

Pursuant to the tariff, MIDW was requested to provide a Facility Study grade estimate for required network upgrades to satisfy the Facility Study Agreement executed by the requesting customers and SPP.

Generation Interconnection Customers

The generation interconnection requests covered in this document are as follows:

GEN-2009-008
GEN-2009-020

These interconnection customers are included in the DISIS-2010-001-1 Impact Restudy which identified the required network upgrades for each customer in order to interconnect to the transmission system.

Shared Interconnection Upgrade Facilities Costs

The cost to rebuild approximately four miles of 115kV line from South Hays to Hays Plant to Vine Street is **\$3,000,000**. The Interconnection Customers' shared upgrade costs are shown in the following table:

Project	Shared Upgrade Cost
GEN-2009-008	\$2,831,442
GEN-2009-020	\$168,558

This cost allocation is subject to change for restudies conducted by the Transmission Provider in response to the higher queued customers or other customers in the DISIS-2010-001-1 Impact Restudy that withdraw their interconnection request or suspend, terminate, or request unexecuted filings of their GIAs.

**SHARED FACILITIES STUDY of
MIDW TRANSMISSION FACILITIES**

for

Facility Request FCS-2010-001

(South Hays – Hays Plant – Vine Street 115kV Ckt1 Rebuild)

Introduction

At the request of Southwest Power Pool (SPP), Midwest Energy developed the following facility study estimate for the rebuild of the South Hays to Hays Plant to Vine Street 115kV Ckt1 based on the results of Definitive Interconnection System Impact Study 2010-001 (DISIS-2010-001). The 115kV line rebuild was a required facility upgrade for the generation additions studied in DISIS-2010-001.

Network Upgrades

Cost estimates for the facilities and equipment required for interconnection can be found in Table 1.

Table 1 - Facility Cost Estimates

Facility	Estimated Cost
South Hays – Hays Plant 115kV Ckt 1 Rebuild	\$2,500,000
Hays Plant – Vine Street 115kV Ckt1 Rebuild	\$500,000
TOTAL	\$3,000,000