



**Facility Study  
For  
Generation Interconnection  
Request  
GEN-2012-021**

*SPP Generation  
Interconnection Studies*

*(#GEN-2012-021)*

**June 2013**

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## Revision History

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Date	Author	Change Description
6/18/2013	SPP	Facility Study Report Issued

## Summary

Lincoln Electric System (LES) performed a detailed Facility Study at the request of Southwest Power Pool (SPP) for Generation Interconnection request GEN-2012-021 (4.8 MW/Landfill Gas) located in Lancaster County, Nebraska. The originally proposed in-service date for GEN-2012-021 was August 1, 2013. The request for interconnection was placed with SPP in accordance with SPP's Open Access Transmission Tariff, which covers new generation interconnections on SPP's transmission system.

## Phases of Interconnection Service

It is not expected that interconnection service will require phases however, interconnection service will not be available until all interconnection facilities and network upgrades can be placed in service.

## Interconnection Customer Interconnection Facilities

The Interconnection Customer will be responsible for all of the transmission facilities connecting the customer owned substation to the Point of Interconnection (POI), at Lincoln Electric System owned Terry Bundy 115kV substation. GEN-2012-021 will utilize the existing 13.8/4kV transformer at the Terry Bundy Generation Station to interconnect to the Point of Interconnection (POI). The Interconnection Customer will also be responsible for any equipment located at the Customer substation necessary to maintain a power factor of 0.95 lagging to 0.95 leading at the POI.

## Transmission Owner Interconnection Facilities and Non-Shared Network Upgrades

To allow interconnection the Transmission Owner has determined that the associated terminal equipment for acceptance of the Interconnection Customer's Interconnection Facilities is adequate. At this time GEN-2012-021 is responsible for \$0.00 of Transmission Owner Interconnection Facilities and Non-Shared Network Upgrades.

## Shared Network Upgrades

The Interconnection Customer was studied within the DISIS-2012-002 Impact Study. At this time, the Interconnection Customer is allocated \$0.00 for Shared Network Upgrades. If higher or equally queued interconnection customers withdraw from the queue, suspend or terminate their GIA, restudies will have to be conducted to determine the Interconnection Customers' allocation of Shared Network Upgrades. All studies have been conducted on the basis of higher queued interconnection requests and the upgrades associated with those higher queued interconnection requests being placed in service. At this time, the Interconnection Customer is allocated the following cost for Shared Network Upgrade:

Share Network Upgrade Description	Allocated Cost	Total Cost
None	\$0.00	\$0.00
Total	\$0.00	

**Conclusion**

The Interconnection Customer is responsible for \$0.00 of Transmission Owner Interconnection Facilities and Non-Shared Network Upgrades. At this time, the Interconnection Customer is allocated \$0.00 for Shared Network Upgrades. At this time, the total allocation of costs assigned to GEN-2012-021 for Interconnection Service is estimated at \$0.00.