



**MODIFICATION REQUEST  
IMPACT STUDY FOR  
GENERATOR  
INTERCONNECTION  
REQUESTS**

GEN-2016-013 and GEN-2016-014

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By SPP Generator Interconnections Department

## REVISION HISTORY

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<b>DATE OR VERSION NUMBER</b>	<b>AUTHOR</b>	<b>CHANGE DESCRIPTION</b>	<b>COMMENTS</b>
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# 1 EXECUTIVE SUMMARY

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An Interconnection Customer has requested a modification to Generation Interconnection Request GEN-2016-013 and GEN-2016-014 in accordance with Section 4.4 of the Generator Interconnection Procedures (GIP) of the Southwest Power Pool Open Access Transmission Tariff (OATT). Customer has requested to drop its requests for Network Resource Interconnection Service (NRIS) and to be designated as Energy Resource Interconnection Service (ERIS) only. SPP has undertaken this Modification Request Impact Study (MRIS) to determine the impacts on other interconnection customers for accommodating the modification request.

An analysis shows that with ERIS Network Upgrades identified in DISIS-2016-001, the Customer's request to drop its request for NRIS will not affect the scope or cost of NRIS Network Upgrades for other Interconnection Customers sharing or depending on the NRIS Network Upgrades currently assigned to the Interconnection Customer. Power flow analysis was based on both summer and winter peak conditions and light loading cases.

Stability Analysis was not performed for this study.

**The request to be designated as Energy Resource Interconnection Service only is NOT considered a Material Modification under GIP 4.4.**

Nothing in this study should be construed as a guarantee of transmission service. If the customer wishes to sell power from the facility, a separate request for transmission service shall be requested on Southwest Power Pool's OASIS by the Customer.

This study fulfills SPP's requirements in accordance with GIP 4.4.3 to evaluate the Customer's modification. In accordance, with GIP 4.4.2, the Customer may choose to withdraw its request for modification.

## 2 INTRODUCTION

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Interconnection Customer has requested a modification to Generation Interconnection Request GEN-2016-013 and GEN-2016-014 in accordance with Section 4.4 of the Generator Interconnection Procedures (GIP) of the Southwest Power Pool Open Access Transmission Tariff (OATT). Customer has requested to drop its request for Network Resource Interconnection Service (NRIS) and to be designated as Energy Resource Interconnection Service (ERIS) only. SPP has undertaken this Modification Request Impact Study (MRIS) to determine the impacts to the transmission system of accommodating the modification request.

## 3 PURPOSE

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The purpose of this Modification Request Impact Study (MRIS) is to evaluate the impact of the proposed modification to other interconnection customers. The MRIS considers the Base Case as well as all Generating Facilities (and with respect to (c) below, any identified Network Upgrades associated with such higher queued interconnection) that, on the date the MRIS is commenced:

- a) are directly interconnected to the Transmission System;
- b) are interconnected to Affected Systems and may have an impact on the Interconnection Request;
- c) have a pending higher queued Interconnection Request to interconnect to the Transmission System; and
- d) have no Interconnection Queue Position but have executed a GIA or requested that an unexecuted GIA be filed with FERC; or
- e) Facilities Study Queued Interconnection Requests that may have impacts.

Nothing in this System Impact Study constitutes a request for transmission service or confers upon the Interconnection Customer any right to receive transmission service

## 4 POWER FLOW ANALYSIS

In lieu of a power flow analysis, a review of upgrades assigned to requests was performed to determine whether a material impact on the cost or timing of any Interconnection Request with a later Queue priority date would result from the requested change.

The analysis consisted of performing a review of all remaining NRIS interconnection requests in Cluster Group 12 Northwest Arkansas area for DISIS-2016-001 and DISIS-2016-002. These NRIS requests included in the analysis are listed in Table 1 below.

*Table 1: NRIS Requests Included in the Analysis*

Request	MW	Point of Interconnection
GEN-2016-166	35	Prairie Grove 69kV Substation

With the ERIS Network Upgrades identified in DISIS-2016-001, no additional Network Upgrades are required for other Interconnection Customers if the customer withdraws its request for NRIS. See Table 2 below.

*Table 2: Additional Constraints on Assigned NRIS Upgrades for Other NRIS Requests*

Source	Season	Group	Constraint	TDF	Contingency
			None		

Therefore, the following NRIS upgrades listed in Table 3 that were assigned to GEN-2016-013 and GEN-2016-014 in DISIS-2016-001 are no longer required for Interconnection Service.

NRIS Upgrades no longer required
Neosho – Riverton 161kV CKT 1

## 5 STABILITY ANALYSIS

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Stability Analysis was not performed for this study.



## 6 CONCLUSION

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Interconnection Customer has requested a modification to Generation Interconnection Request GEN-2016-013 and GEN-2016-014, in accordance with Section 4.4 of the Generator Interconnection Procedures (GIP) of the Southwest Power Pool Open Access Transmission Tariff (OATT). Customer has requested to withdraw its request to be studied for NRIS and to only be studied for ERIS.

Analysis showed that with the ERIS Network Upgrades identified in DISIS-2016-001, the Customer's request for modification will not cause additional costs to lower and equally queued Interconnection Customers.

**The request to be designated as Energy Resource Interconnection Service only is NOT considered a Material Modification under GIP 4.4.**

Stability Analysis was not performed for this study.

This study does not include any constraints associated with the deliverability of the energy to final customers. These costs are determined by separate studies if the Customer requests transmission service through Southwest Power Pool's OASIS. It should be noted that the models used for simulation do not contain all SPP transmission service.

This study fulfills SPP's requirements in accordance with GIP 4.4.3 to evaluate the Customer's modification. In accordance, with GIP 4.4.2, the Customer may choose to withdraw its request for modification