

**GENERATOR INTERCONNECTION
MATERIAL MODIFICATION ASSESSMENT**

for the existing

[REDACTED]

[REDACTED]

(GI PROJECT # 239/313/610/695)

to the

IDAHO POWER COMPANY ELECTRICAL SYSTEM

in

PAYETTE COUNTY, IDAHO

for

[REDACTED]

Report v1.0

December 12, 2025

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1.0 Introduction

[REDACTED] has requested a material modification assessment for the (the Project) located in Payette County, Idaho. The Project has been assigned Idaho Power Generation Interconnection (GI) queue numbers 239/313/610/695 (GI #239/313/610/695).

The proposed modifications consist of:

- [REDACTED] – re-install combustion turbine [REDACTED] to obtain MW output requested and studied in #610
- [REDACTED] – replace existing [REDACTED] exciter with new like-kind [REDACTED] exciter
- [REDACTED] – replace [REDACTED] generator with new generator of same type

This report describes the results of an assessment that was conducted to evaluate the potential impacts of the proposed modifications in accordance with the Idaho Power Open Access Transmission Tariff and executed Large Generator Interconnection Agreement (LGIA) and associated amendments for the Project.

2.0 Summary

An assessment was conducted which determined that the requested modifications are not considered Material Modifications. The proposed changes do not result in any reliability concerns, nor do they require new facilities beyond what was already described in the LGIA and associated amendments. The proposed changes may be incorporated in the Project's LGIA as an amendment.

3.0 Assessment Results

3.1 Power Flow Results (Thermal and Voltage Analysis)

Because there are no changes to the Project's maximum real power output at the Point of Interconnection (POI), and because the new equipment was either previously studied or is like-kind, the proposed changes will have no impact on the power flow analysis results performed in previous studies.

3.2 Reactive Power Requirements

Because the new excitation equipment will be like-kind, it is expected the Project will continue to have sufficient reactive capability to provide the required 0.95 leading/lagging power factor at the POI at rated power output.

3.3 Transient Stability Results

Because the new equipment was either previously studied or is like-kind, it is expected the changes will not result in any new reliability concerns or require new facilities.

3.4 Post-Transient Voltage Stability (Reactive Margin) Results

Because there are no changes to the Project's maximum real power output at the POI, and the Project will continue to meet reactive power requirements, the proposed changes will have no impact on the voltage stability analysis results performed in previous studies.

3.5 Short Circuit Results

The proposed changes do not necessitate any changes to the required protection systems identified in previous studies.

3.6 Other Operating Requirements

The Project will be required to control voltage in accordance with a voltage schedule as provided by Idaho Power Load Serving Operations.

The Project is required to comply with the applicable Voltage and Current Distortion Limits found in IEEE Standard 519 or any subsequent standards as they may be updated from time to time.

The Project will be required to reduce output to levels directed by IPC Load Serving Operations during transmission system contingencies and other reliability events.

4.0 Conclusions

An assessment was conducted which determined that the requested modifications are not considered Material Modifications. The proposed changes do not result in any reliability concerns, nor do they require new facilities. The proposed changes may be incorporated in the Project's LGIA as an amendment.

Revision History

Date	Revision	Initials	Summary of Changes
2025-12-12	1.0	TRS	Initial report