

**GENERATOR INTERCONNECTION
MATERIAL MODIFICATION ASSESSMENT**

for integration of the proposed

**200 MW [REDACTED] PROJECT
(GI PROJECT # 666)**

to the

IDAHO POWER COMPANY ELECTRICAL SYSTEM

in

CANYON COUNTY, IDAHO

for

[REDACTED]

Report v.0

February, 23rd 2024

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3.3 Transient Stability Results

Transient stability data provided by the customer was reviewed and deemed usable. A transient stability analysis was performed with the new provided data and the results were acceptable.

3.4 Post-Transient Voltage Stability (Reactive Margin) Results

Transient studies show that the changes to the local project inverter design will have no impact on the voltage stability analysis results already performed in the SIS.

3.5 Short Circuit Results

The modification of the design does not necessitate any changes to the required protection systems identified in the SISR.

3.6 Other Operating Requirements

GI #666 will be required to control voltage in accordance with a voltage schedule as provided by Idaho Power Load Serving Operations. The Project will be required to install a plant controller for managing the real power output at the project POI.

The Project is required to comply with the applicable Voltage and Current Distortion Limits found in IEEE Standard 519-2014 *IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems*.

The Project will be required to reduce output to levels directed by IPC Grid Operations during transmission system contingencies and other reliability events. This will be accomplished with a Generator Output Limit Control (GOLC) setpoint sent from IPC to the Project.

4.0 CONCLUSIONS

An assessment was conducted which determined that the modification request is not considered a material modification. The proposed changes do not result in any new reliability concerns, nor do they require new facilities beyond what was already described in the SISR. The proposed changes may be incorporated in the Project's GIA as an amendment.

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REVISION HISTORY

Date	Revision	Initials	Summary of Changes
02/23/2024	1.0	LMG	Initial Report

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