

**GENERATOR INTERCONNECTION
MATERIAL MODIFICATION ASSESSMENT**

for integration of the proposed

**200 MW [REDACTED] PROJECT
(IDAHO POWER QUEUE #623)**

to the

IDAHO POWER COMPANY ELECTRICAL SYSTEM

in

BINGHAM COUNTY, IDAHO

for

**[REDACTED]
REPORT v1**

December 6th, 2024

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1.0 INTRODUCTION

██████ has requested a material modification to the ██████ (the Project) which consists of adding 200 MW of battery energy storage system (BESS) which will be solely charged by the Project's own solar generation facilities, as well as a proposal to change the Photovoltaic (PV) inverters.

The Project location (██████) is in Idaho Power Company's (IPC) Eastern Region in Bingham County, Idaho. The Project is Generation Interconnect (GI) queue number 623 (GI #623). The specific point of interconnection (POI) is the 230kV Brady to Antelope line.

This report describes the results of an assessment that was conducted to evaluate the potential impacts of the proposed modification in accordance with the executed Large Generator Interconnection Agreement (LGIA) for GI #623.

2.0 ASSESSMENT RESULTS

The material modification assessment requests the addition of 200 MW of BESS to the Project and an update to the inverters used for the PV portion of the Project. The BESS addition includes the required collector system and transformers to incorporate the BESS into the Project. This modification request does not increase the total deliverable capacity of the Project to the POI of 200 MW total injection capacity. ██████ has requested that the BESS will be solely charged from the Project's own solar generation facilities. Grid-charging the BESS system was not contemplated in this study.

To prohibit charging the BESS from the IPC Transmission System, IPC-owned relays will be enabled with settings to trip GI #623 facility offline if grid charging is detected. The installation of the required relays has already been considered in previous cost estimates. Updated dynamic models were provided and validated by IPC. No additional upgrades are required beyond those previously identified in the LGIA dated November 10, 2022.

3.0 CONCLUSIONS

An assessment was conducted, which determined that the Project's modification does not constitute a Material Modification. The proposed changes may be incorporated in the Project's LGIA amendment. However, the amended LGIA must include the addition of the BESS and specify that the BESS will be charged from the Project's own solar generation facilities. Interconnection Customer will need to demonstrate the operating procedures and control measures that prevent the BESS from being charged via IPC's transmission system. Additionally, IPC will enable settings on an IPC-owned relay to trip GI #623 offline if grid-charging is detected.

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