GENERATOR INTERCONNECTION
FEASIBILITY STUDY

For integration of the proposed

GENERATION INTERCONNECTION PROJECT #382

In

CANYON COUNTY, IDAHO

To the

IDAHO POWER COMPANY ELECTRICAL SYSTEM

FINAL REPORT
August 9, 2011

Generator Interconnection Feasibility Study

General Interconnection Information

Queue	Date of Request	Location	Total (MW)	Point of Interconnection	Projected In-Service Date	Type of facility (combined cycle, base load, CT, fuel type)
382	7/26/2011	Canyon County	1.127	12.5 kV	5-1-2012	Hydro

Short Circuit Analysis Results

System Changes Required: ☐Yes ☒No

Power Flow Analysis Results

System Changes Required: ☐Yes ☒No

While no major system changes are required, three phase service will need to be extended to the point of interconnection, approximately 0.5 miles. Currently only two phases of service is present in the area in question.

Good Faith Cost Estimate

Description	Estimated Cost
Rebuild ½ mile of three phase 00 ACSR	$90,000
Substation Work	$10,000
Interconnection Protection Package	$125,000
Total Estimated Cost	**$225,000**

System Impact Study Required? ☐ Yes ☒ No

This project will be required to contact Idaho Power's Power Supply Department about the total generation output from this project. Additional network upgrades may be required.

Operating Requirements

The project will be required to operate at a unity power factor +/-200kVar.