



Plan Review Grounding Study Submittal Form

THE FOLLOWING CONDITIONS MUST BE MET AND THE PROJECT INFORMATION SECTION COMPLETED IN ORDER FOR YOUR GROUNDING STUDY SUBMISSION TO BE REVIEWED

- Grounding study is stamped and signed by a Professional Engineer
- Station electrode is designed as outlined in Bulletin 36-10-*
- LDC/Utility requires ground grid design level for each point in system be identified (i.e.: Design grid to meet 40ka fault level at collector station)

Project Information			
Submitter's Company Name:		ESA Account #:	
Site Name:			
<i>Please select the proper system voltage/configuration for this project. This may or may not be the same as the supply voltage/configuration for the property.</i>			
Voltage:			
LDC Fault Level (L-L or L-L-G)		Calculated GPR	
Number of Ground Rods		Calculated Step Voltage	
Size of Ground Grid Conductor		Calculated Touch Voltage	
Soil Testing Method		Burial Depth of Conductors m	
Length of the short side of the grid m		Length of Long Side of Grid m	
What is spacing of grid m		Total Length of conductor m	
Surface layer depth mm		Calculated grid resistance in ohms ohms	
Surface layer resistivity ohms*m		Fault Duration s	
NOTE: For projects that involve generation equipment, the following section must be completed.			
Switching Station Fault Level (utility + collector station input)		Collector Station Fault Level (switching station + generator input)	
Interconnect Voltage		Collector Voltage	
Number of Generators			
Please provide the fault levels at each generator. (generator fault + collector fault)			
This Section for Plan Review Use Only			
<input type="checkbox"/> Stamped and signed by P. Eng. <input type="checkbox"/> LDC fault current <input type="checkbox"/> Soil resistivity <input type="checkbox"/> Body weight 50kg <input type="checkbox"/> GPR _____ V		<input type="checkbox"/> Step _____ V <input type="checkbox"/> Touch _____ V <input type="checkbox"/> Surface layer _____ <input type="checkbox"/> Surface layer 1m beyond electrode	

- GPR, step and touch voltages do not exceed the maximum stated in Rule 36-304

Plan Review is a general review and audit of plans for a specific project, submitted as per Rule 2-010 of OESC. Review of project plans does not imply that ALL portions of drawings have been reviewed for compliance and does not relieve the applicant from his/her responsibility to comply with the OESC for all aspects of the project. All electrical work requires a Certificate of Inspection from ESA, issued by ESA inspector.

The plans submitter assumes all responsibilities for the submission