

Standby / Backup Generation - Interconnection Requirements

Definition: A non-export power system that automatically operates within seconds of sensing a loss of FortisAlberta’s utility power. The system isolates from FortisAlberta and the facility load is transferred to the backup power system. Upon restoration of FortisAlberta’s system, the load is transferred back to the utility, while isolating the standby / backup generation source. During the transfer, the backup generation source shall fall within FortisAlberta’s synchronization limits to parallel. **Any parallel with FortisAlberta’s system shall only be maintained for six cycles (100 ms) or less during a source transfer.**

The following shall be completed, verified and all reporting sent to FortisAlberta, for approval, prior to energization.

GENERATOR OWNER INFORMATION	
Company Name:	
Contact Name:	
Address:	
Telephone Number:	
Alt. Telephone Number:	
Email:	
INTERCONNECTION CHECKLIST	
<input type="checkbox"/>	Standby/Backup generation system will only parallel FortisAlberta for six cycles (100ms) or less
<input type="checkbox"/>	Under-voltage protection, to ensure the standby/backup generation system is not capable of energizing a de-energized distribution system.
<input type="checkbox"/>	500 ms delay timer as a secondary parallel protection to ensure standby/backup generation system and FortisAlberta will not together maintain a closed position for more than 500ms.
<input type="checkbox"/>	Manual or automatic synchronization check
<input type="checkbox"/>	Test report to verify above protection
<input type="checkbox"/>	Include SLD which provides clear representation of protection, standby/backup generation facility and the interconnection tie point. (See CSA C22.3 No. 9 Annex A for reference)

To be verified and signed by a qualified personnel prior to energization:

Name: _____

Company: _____

Qualifications: _____

Signature: _____

Date: _____