

This application form is to be completed and submitted to initiate a DER Detailed Level Study (DLS) by FortisAlberta. Please submit the application with all supporting information and documents to generation@fortisalberta.com.

Section 1 — Application Information

Application Date:	
FortisAlberta HLS Project Reference Number (if applicable):	

Section 2 — Generation Facility Owner (GFO) Company Information

This information will be used to create the project record.

GFO Company Information	
Company Legal Entity:	
Phone Number:	
Fax Number (optional):	
General Email (if applicable):	
Street Address:	
City:	
Province / State:	
Country:	
Postal / ZIP Code:	

Complete this table only if the invoice information differs from the company information provided above.

GFO Invoicing Information	☐ Please check here if same as above
Company Legal Entity:	
Phone Number:	
Fax Number (optional):	
General Email (if applicable):	
Street Address:	
City:	

Province / State:	
Country:	
Postal / ZIP Code:	

Invoice Recipients

List everyone who should receive a copy of invoices for this project, including your accounting team if applicable.

#	Name	Phone	Email
1			
2			
3			

Section 3 — GFO Primary Contact for this Project

GFO Primary Contact	
Name:	
Phone Number:	
Email:	
Street Address (if different from above):	
City:	
Province / State / Country:	
Postal / ZIP Code:	

Section 4 — Primary Consultant Information

Main consultant responsible for delivering the project.

Primary Consultant	
Company Name:	
Company Phone Number:	
Street Address:	

City:	
Province / State / Country:	
Postal / ZIP Code:	
Consultant's Name:	
Consultant's Phone Number:	
Role and Responsibilities (<i>describe what this consultant will deliver and be accountable for</i>):	
Third-Party Authorization Form: <i>Required with this application if the consultant will be acting on behalf of the applicant (See "Supporting Documents" in Section 10).</i>	

Section 5 — Secondary Consultant Information

Complete only if a second consultant is engaged in this project.

Secondary Consultant ☐ Yes (<i>complete below information</i>) ☐ No (<i>skip</i>)	
Company Name:	
Company Phone Number:	
Street Address:	
City:	
Province / State / Country:	
Postal / ZIP Code:	
Consultant's Name:	
Consultant's Phone Number:	
Role and Responsibilities (<i>describe what this consultant will deliver and be accountable for</i>):	
Third-Party Authorization Form: <i>Required with this application if the consultant will be acting on behalf of the applicant (See "Supporting Documents" in Section 10).</i>	

Section 6 — Project Details

Project Information

Site Location (One Site Only)

Provide land location using either Legal Subdivision (LSD 1- 16) or Quarter Section (NE, NW, SE, SW) format.

Legal Land Description: <i>Example:</i> <i>LSD: 4 10 52 25 W4</i> <i>Quarter: NE 10 52 25 W4</i>	LSD or Qtr.:	Section (Sec):	Township (Twp):	Range (Rge):	Meridian (Mer):
GPS Coordinates: <i>Example:</i> <i>53.5461, -113.4938</i>	Lat, Long (decimal degrees):				

Civic Address (if applicable):	
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Targeted In-Service Date (*first sync to grid*):

Estimated ISD Timelines:

Projects ≥ 5 MW: Approx. 3–5 years

Projects < 5 MW: Approx. 2–3 years

Feeder to be Accessed:

Please note that selecting a different feeder from the initial review may impact the available capacity and upgrades.

Has an AUC Application Already Been Submitted?

☐ Yes ☐ No

If yes, proceeding number: _____

Small Scale Generation (SSG)

Are you applying for small scale generation (SSG)?

☐ Yes ☐ No

If yes, see “Supporting Documents” in Section 10 for the additional application information.

Load Service & Export Configuration

Please select an option and provide follow-up details where requested.

Option 1: Load Service with Export Generation? <i>The facility will generate power for on-site use while selling any excess power to the grid (self-supply and export).</i>	☐ Yes ☐ No
Are you an existing Load Service (if applicable)?	☐ Yes ☐ No If yes, provide Site ID: _____
If new load service is required, have you submitted application to FortisAlberta?	☐ Yes ☐ No If yes, Load Service Project #: _____
Option 2: Load Service with Non-Export Generation? <i>The facility will generate power for on-site consumption and will not export to the distribution system. The Site remains a net load to FAI. For further information please see link Distributed Generation FortisAlberta</i>	☐ Yes ☐ No
Option 3: Export-Only Generation Facility? <i>The facility intends to export generation to distribution system. However, the facility may require distribution service for auxiliary loads, battery charging or other operational requirements.</i>	☐ Yes ☐ No
Other: Are you planning to participate in the AESO bulk service (FFR) study?	☐ Yes ☐ No Note: If yes, an additional study and fee apply — refer to the Fee Schedule .

Section 7 — Operating Characteristics

Operating Characteristics (Required)	
Will the facility consume electric energy services from the electric system?	☐ Yes ☐ No If yes — Operating load (kW): _____ Annual energy consumption (kWh): _____
Generator Type: <i>Include additional information in Section 8.</i>	☐ Synchronous ☐ Induction ☐ Inverter ☐ Other (if not listed above) _____
Prime Mover Type(s) (e.g., Wind, Gas, Solar, BESS, Solar + BESS or Other):	

<i>Note: If more than one prime mover, please include nameplate rating for each type.</i>			
Requested maximum export (kW):	Total: _____ kW		
Total Nameplate Rating (Site Level):	Real Power (kW):	Apparent Power (kVA):	Voltage (V):
Phasing: Note: Three Phase required for 150kW or greater sites.			

Section 8 — Generator Parameters

Complete **ONLY** the subsection that matches the Generator Type selected in Section 7. Skip the other two subsections.

8A — Synchronous Type

Complete this subsection only if Generator Type is Synchronous.

Generator Parameters — Synchronous ☐ Yes (complete below information) ☐ No (skip)	
Total Number of Generators:	
Generator Nameplate Rating (kVA):	
Number of Poles:	
Steady-State Reactance (X_d) (p.u.):	
Transient Reactance (X'_d) (p.u.):	
Subtransient Reactance (X''_d) (p.u.):	
Negative-Sequence Reactance (p.u.):	
Zero-Sequence Reactance (p.u.):	
Grounding Impedance (Ω):	
Inertia of All Rotating Mass (MW·s/MVA or kg·m ²):	
Damping Constant (p.u.):	

8B — Inverter Type

Complete this subsection only if Generator Type is Inverter.

Generator Parameters — Inverter ☐ Yes (complete below information) ☐ No (skip)	
Total Number of Inverters:	
Inverter Nameplate Rating (kVA):	
Inverter Anti-Islanding Methodology (Sandia Method):	
Anti-Islanding Group Configuration:	☐ Sandia Group 1 ☐ Sandia Group 2A ☐ Other _____ (See "Supporting Documents" in Section 10 for the requirements)
Wind Turbine Type (e.g. Type 1, 2, 3, 4, 5)	
Maximum Fault Current Contribution (% of rated current):	

8C — Induction Type

Complete this subsection only if Generator Type is Induction.

Generator Parameters — Induction ☐ Yes (complete below information) ☐ No (skip)	
Total Number of Generators:	
Generator Nameplate Rating (kVA):	
Efficiency (%):	
Rated Speed (RPM):	
ANSI Motor Group:	
Subtransient Impedance (R'' , X'')(p.u.):	
Rotor Type (single circuit, double circuit, deep bar):	
Stator Impedance (R_s , X_s) (p.u.):	
Magnetizing Impedance (R_m , X_m) (p.u.):	
Rotor Impedance (R_r , X_r) (p.u.):	
For double-circuit rotor type — Rotor 2 Impedance (R_{r2} , X_{r2}) (p.u.):	

Cage Factor (CFr, CFx):	
Inertia of All Rotating Mass (MW·s/MVA or kg·m²):	

Section 9 — Producer-Supplied Transformer

Transformer — Core Parameters (required)	
Rated kVA (base):	
Transformer Impedance %:	
Transformer X/R ratio:	
Transformer Primary/Secondary Voltage (V): e.g., 25000V/4160V	
Transformer Utility-Side Winding:	☐ Wye ☐ Wye-Grounded ☐ Wye-Impedance-Grounded ☐ Delta ☐ Other _____
Transformer Customer-Side Winding:	☐ Wye ☐ Wye-Grounded ☐ Wye-Impedance-Grounded ☐ Delta ☐ Other _____

Transformer — Tertiary Winding (if present) ☐ Yes (complete below information) ☐ No (skip)	
Tertiary Voltage (V) — nominal:	
Tertiary Winding Connection (delta / wye; grounded / ungrounded; or N/A):	
Tertiary Winding Impedances (p.u.):	

Transformer — Grounding (if installed) ☐ Yes (complete below information) ☐ No (skip)	
Grounding transformer installed?	☐ Yes (complete section below) ☐ No (skip)
Grounding Transformer Type / Location (e.g., Zig-zag, wye-grounded delta / Grid Side, DER side):	

Neutral Grounding Resistance (Ω):	
Neutral Grounding Reactance (Ω):	

Section 10 — Supporting Documents Required

Attach all items below with the email generation@fortisalberta.com. Please check the box to confirm each document is included.

Supporting Documents	
Preliminary site plan showing proposed site location and Point of Common Coupling (PCC). Note: change of POI will trigger a new DLS assessment and fees.	☐ Attached
Detailed SLD, authenticated by a professional engineer accredited with APEGA (refer to DER-02 for requirements).	☐ Attached
Generation unit certifications (e.g., UL1741-SB) or a signed commitment to complete the ICAP process (refer to DER-02).	☐ Attached
Signed confirmation of Lands form if applicable. <i>Note: this form is required before a SASR can be submitted to the AESO (Link to Confirmation of Lands Form).</i>	☐ Attached (or) ☐ Pending (provide later)
Third-Party Authorization Form (Link to Third Party Authorization Form).	☐ Attached
Form A - Small Scale Generation (SSG) Application if applicable (Link to SSG Application).	☐ Attached
Anti-Islanding Group Configuration for the inverters (<i>Document from manufacturer is sufficient</i>).	☐ Attached
PV Panel Datasheet (Additional requirement) <i>Note: Any equipment ratings or specifications shown on the SLD must be consistent with the submitted manufacturer datasheets provided in the application.</i>	☐ Attached
Inverter Datasheet (Additional requirement) <i>Note: If manufacturer specific dynamic model parameters (such as Cdc, R, and L) are not available at this time of application, the applicant should indicate this and provide an expected timeline for obtaining the information.</i>	☐ Attached Other Information: _____

Section 11 — Technical Requirements Checklist

Checking the following confirms acknowledgement of the technical requirements needed to connect a DER facility to FortisAlberta's system.

☐ Application / Design complies with latest version of FortisAlberta DER-02 Interconnection Requirements.	☐ Application / Design aligns with applicable requirements of IEEE 1547-2018 and FortisAlberta specified settings.
☐ Authenticated SLD provided, stamped by a Professional Engineer, including all required protection, control, grounding, and metering details.	☐ DER facility meets power quality compliance per FortisAlberta DER-02 (including harmonics, flicker, and voltage requirements).
☐ DER facility meets reactive power capability and voltage control requirements as specified by FortisAlberta.	☐ DER facility has accounted for effective grounding and short-circuit studies in the design (e.g., Delta primary configurations require a grounding transformer).
☐ All inverter settings will use the IEEE 1547-2018 Category II profile (unless otherwise stated by FortisAlberta). Settings sign-off will be provided to FortisAlberta at least 2 months prior to commissioning.	☐ Commissioning and maintenance requirements comply with FortisAlberta DER-02 (including testing, verification, and documentation requirements).
☐ Anti-islanding protection complies with FortisAlberta DER-02 Interconnection Requirements (including transfer trip where required).	☐ Breaker failure protection complies with FortisAlberta DER-02 Interconnection Requirements.
☐ Voltage / frequency / overcurrent protection requirements comply with FortisAlberta DER-02.	☐ For DER facilities ≥500 kVA , requirements related to ICAP have been reviewed and incorporated into the design.

Section 12 — Applicant Acknowledgement and Authorization

I certify that the information provided in this DLS application is accurate and complete to the best of my knowledge. I acknowledge that any changes to the Point of Interconnection (POI), feeder, site location, generation type, equipment ratings, or generator configuration after submission may require a re-assessment of the DLS and will be subject to additional study fees in accordance with FortisAlberta's applicable fee schedule. Additional fees may also apply to any administrative changes including but not limited to legal entity/name changes, billing updates, and ownership transfers.

The Applicant is strongly advised not to initiate construction activities until written confirmation of DLS completion and IFC SLD approval has been received from FortisAlberta. I acknowledge that failure to adhere to these requirements may result in project delays, additional costs, or the need for re-evaluation. Any misrepresentation on this form, intentional or not, may result in termination of your application and/or disconnection of your site in accordance with FortisAlberta's Terms and Conditions of Electric Distribution Service.

By executing and returning this application to FortisAlberta, the Applicant acknowledges and agrees that FortisAlberta may, from time to time and without notice, provide any and all electrical models and data which the Applicant submits to other DG applicants or their subcontractors, to ensure compliance with and compatibility of their proposed DG project in combination with the Applicant's project and FortisAlberta's current infrastructure. FortisAlberta will undertake all commercially reasonable efforts to de-identify the Applicant's electrical models and data.

Printed Name / Company	Signature
Title	Date