

Electrical Service Information (ESI)

*Indicates a required field. Please fill out all sections accurately to avoid processing delays.
Click the [link](#) for an example of a completed form.

This form collects necessary information for upgrading an existing service or establishing a new connection (multi-residential, commercial, or industrial). For further information on the application process, please refer to [BC Hydro/Electrical Connections](#).

Section 1 – Application type

1 - Application selection *(Please select one)*

Review type*	<input type="checkbox"/> Preliminary Project Review	<input type="checkbox"/> Detailed Requirements Review
Project status	<ul style="list-style-type: none">Project load details are unconfirmedChanges to load details are anticipated	<ul style="list-style-type: none">Project load details are confirmedNo changes to load details are expected
What you need	<ul style="list-style-type: none">To explore project feasibilityHigh-level planning insightsGeneral guidance without requiring detailed design or a cost estimate	<ul style="list-style-type: none">Detailed engineering & designSpecific requirements for connecting your loadA cost estimate based on confirmed project details
What we need from you	<ul style="list-style-type: none">Complete all required fields in Sections 1, 2A & 2BProvide any available details in Section 2CSubmit a Detailed Requirements Review ESI once project load details are confirmed	<ul style="list-style-type: none">Complete all required fields in Sections 1, 2A & 2BProvide full details in Section 2CSubmit engineered documentation for requests over >500kW¹

¹If requesting a Detailed Requirements Review and the total site load in Section 2B exceeds 500 kW, all calculations and supporting documents must be authenticated by a professional engineer and included with your submission.

Section 2 - Project and electrical information

Please tell us about your project including a site summary and timeline of the electrical load you are requesting.

2A - Project details *(All fields are required)*

Project name*	
Project location*	
Service address or Parcel Identifier (PID)	

2B - Site electrical load summary *(All fields are required)*

Information	Primary use description* (residential/commercial/industrial)	Planned energization date*	Total site load per CEC ² Section 8 (kW)*
Proposed service*	When do you expect the service to reach its full electrical capacity?	<input type="checkbox"/> Immediately <input type="checkbox"/> Gradually over time (Please specify approximate number of years: _____) <input type="checkbox"/> Unknown	
Existing service*	How will the proposed electrical service relate to any existing service(s) at this site?	<input type="checkbox"/> This is a new service at a site with no existing service(s). <input type="checkbox"/> This new service will replace an existing service. <input type="checkbox"/> This new service will be added to the existing service(s), which will remain in use.	
Generation or storage*	Is there any electrical generation and/or energy storage?	<input type="checkbox"/> No customer generation or storage <input type="checkbox"/> Yes – with open transition switch	<input type="checkbox"/> Yes – with closed transition switch <input type="checkbox"/> Yes – switch type unknown

² Canadian Electrical Code

2C – Main connections summary *(Required for Detailed Requirements Reviews – Empty fields will be treated as zero)*

Service	Service details ³			Usage information ⁴			Electrical load details				
Connection type	Voltage (V)	Main switch (A) or Unit sub xfmr (kVA)	Switch rating (%)	Res. (units)	Comm. space (m ²)	Ind. space (m ²)	Heating (kW)	Cooling (kW)	EV charge (kW)	Largest motor (hp)	Total load (kW)

³ Secondary services: provide main switch voltage, current and rating (e.g. 120/240V, 600A, 80% rated).

Primary services: provide primary voltage, unit sub transformer size and rating (e.g. 25kV, 2000kVA, N/A).

⁴ Residential (Res.), Commercial (Comm.), Industrial (Ind.)

Total Load Summary

kW

Notes or
Comments

Section 3 - Future electrical loads

Our review and design will be based on the current project details outlined in Section 2. If you have information on anticipated electrical loads for future phases or related sites, please provide it below. This additional information will be beneficial for our planning.

3 - Future electrical loads summary *(optional)*

Type	Site or phase name	Primary use description (residential/commercial/industrial)	Planned initial energization date	Years until full load usage	CEC calculated load (kW)
Information					
Information					
Information					

Future Estimated Load Summary

kW

Section 4 – Contact details

4 – Form submission information *(All fields are required)*

<input type="checkbox"/>	*I confirm that the form is complete, and the information provided is accurate. I understand that I am required to notify BC Hydro of any changes to the information provided, including project cancellation. I acknowledge that any changes to the information may result in additional requirements and potential delays.				
Name*			Company (if applicable)		
Role* (select one)	<input type="checkbox"/>	Electrical contractor or electrical permit holder (including homeowner permits)			
	<input type="checkbox"/>	Electrical engineer (Required for Detailed Reviews exceeding 500kW)		License #	
	<input type="checkbox"/>	Other (only available for Preliminary Review applications)			
Phone*			Email*	Date*	

Reset form