

# Electrical Service Information (ESI)

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](#).

**Note:** Required fields are indicated with a red border.

## 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	Project load details are <b>unconfirmed</b> ; changes to load details are anticipated.	Project load details are <b>confirmed</b> ; no changes to load details are anticipated.
What you need	<ul style="list-style-type: none"><li>To explore project feasibility</li><li>High-level planning insights</li><li>No design or cost estimate needed yet</li></ul>	<ul style="list-style-type: none"><li>Detailed engineering &amp; design</li><li>Detailed requirements for connecting your load</li><li>Cost estimate</li></ul>
What we need from you	<ul style="list-style-type: none"><li>Complete all required fields</li><li>Provide <b>any available</b> details in <b>Section 2C</b></li><li>Submit a detailed requirements review ESI when project load details are confirmed</li></ul>	<ul style="list-style-type: none"><li>Complete all required fields</li><li>Provide <b>all</b> details in <b>Section 2C</b></li><li>Engineered documentation for &gt;500kW requests<sup>1</sup></li></ul>

<sup>1</sup>If 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 initial energization date	Years until full load usage	Total site load per CEC <sup>2</sup> Section 8 (kW)
Proposed load				
Existing load	Is there an existing permanent electrical service at this site?	<input type="checkbox"/> Yes, there is currently a permanent service at this site. <input type="checkbox"/> No, this is a new site.		
	If yes, please tell us what will happen to the service:	<input type="checkbox"/> It will remain, and this new load will be in addition to it. <input type="checkbox"/> It will be removed as part of this project. <input type="checkbox"/> N/A, no existing service		
Interconnections	Is there any electrical generation and/or energy storage?	<input type="checkbox"/> No Customer generation/storage <input type="checkbox"/> Yes, Open transition switch type <input type="checkbox"/> Yes, Closed transition switch type <input type="checkbox"/> Yes, Switch type is unknown		

<sup>2</sup> Canadian Electrical Code

## 2C – Main connections summary *(Required for detailed requirements reviews – Empty fields will be treated as zero)*

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

<sup>3</sup> 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).

<sup>4</sup> 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 I am required to notify BC Hydro of any changes to the information provided, including project cancellation. And that any changes to the information provided may result in additional requirements and delays.				
<b>Name</b>			<b>Company</b> (if applicable)		
<b>Role</b> (select one)	<input type="checkbox"/>	Electrical contractor or electrical permit holder (including homeowner permits)			
	<input type="checkbox"/>	Electrical engineer (Detailed Review applications exceeding 500kW)		<b>License #</b>	
	<input type="checkbox"/>	Other (only available for Preliminary Review applications)			
<b>Date</b>			<b>Email</b>		

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