

# Distribution Generator Interconnections Screening Study Fact Sheet

The Screening Study is a quick way of reviewing the high-level interconnection impacts of your proposed project. Your Screening Study report will give you a better risk picture of the technical impacts and potential interconnection upgrade costs of your project.

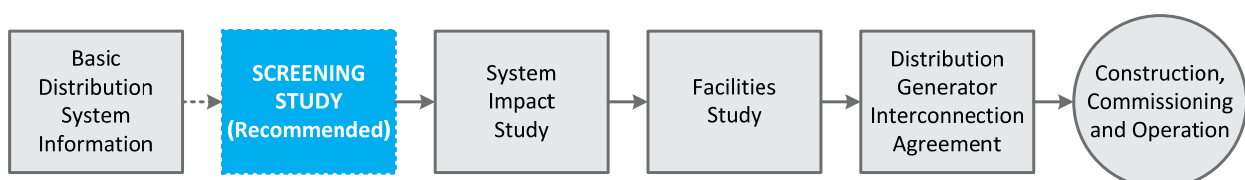
In short, the Screening Study is a:

- High level technical review of your project
- Preliminary assessment of risks associated with your project
- Initial assessment of interconnection costs on the distribution system

So that you have accurate expectations of what the Screening Study will provide, it is important to note that a Screening Study report will not include a:

- Detailed review of the technical requirements for your project. The Screening Study uses rule of thumb guides combined with a high-level computer model to assess how the system is likely to perform with the addition of your project.
- Assessment of impacts to the BC Hydro system. Many distribution projects bring impacts to BC Hydro's transmission system. The Screening Study report does not review or address these impacts. These will be reviewed as part of the System Impact Study.
- Comprehensive risk plan. Though we do our best to highlight both the most common risks and the risks particular to your proposed project, only more detailed studies (like the System Impact Study and the Facilities Study) can explore the impact of those risks.
- Detailed cost estimate. Only the Facilities Study will provide a P50 design level cost estimate (+15% / -10%). The conceptual level estimate of the Screening Study is based on historic unit costs.

The Screening Study is the second step in the interconnection process, after a Basic Distribution System Information Request is completed. The Screening Study is an optional step in the interconnection process, however it is highly recommended. A BC Hydro Interconnections Client Manager would be pleased to answer questions, if you are not sure whether or not you should skip a Screening Study.



### **How much will my Screening Study cost?**

The Screening Study will cost a flat fee of \$5,000, plus Goods and Services Tax (GST). This must be paid before your Screening Study can begin.

### **How long will my Screening Study take to complete?**

Your Screening Study will take approximately four to eight weeks to complete. The length of a study can vary depending on the project, the location being studied and current BC Hydro workload.

### **Are there any prerequisites before I can start my project's Screening Study?**

Yes. Before we can start your Screening Study, you will need to complete a Basic Distribution System Information Request.

### **What is included in my Screening Study?**

Your Screening Study will include:

- Modeling of the distribution feeder with your project interconnected
- A high level assessment of the protection and control
- A high level review of the scope of stations and transmission system impacts
- An optional follow-up meeting with our technical team to discuss the results and answer any outstanding questions you might have

Your Screening Study report will include:

- A P50 screening-level cost estimate (+100% / -35%), also referred to as a conceptual or first cut estimate, of the interconnection network upgrades
- An estimated cost and duration of the System Impact Study

### **What are the submission requirements for the Screening Study?**

You will need to submit two completed versions of the Screening Study application form. One version should be a signed pdf, the other should be an MS Excel file. The application form is available on our website.

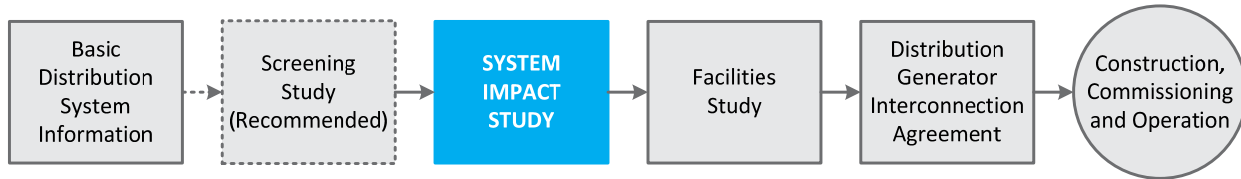
Along with the two versions of the application form, you will need to submit an electrical single line diagram identifying:

- The Point-of-Interconnection to BC Hydro system
- Transformers and switchgear
- Revenue metering location
- Location of protection equipment
- Generator(s)

- Location and size of any loads (for load displacement projects only)

**After a Screening Study, what is the next step for my proposed project?**

Once you have received your Screening Study report, you will be ready to move to the next step in the interconnection process, a System Impact Study. Your Screening Study Report includes a cost and duration estimate for your System Impact Study should you choose to move forward with your proposed project.



**How can I contact the distribution generator interconnection team?**

Please contact us with any questions. You can visit our website to review and/or download application forms, reference guides and fact sheets. Payments must be sent to the address below or we cannot guarantee your payment will be received.

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