



# Clean Power Call Distribution Generator Interconnections Less than 35 kV

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Generator Interconnection &  
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# Outline

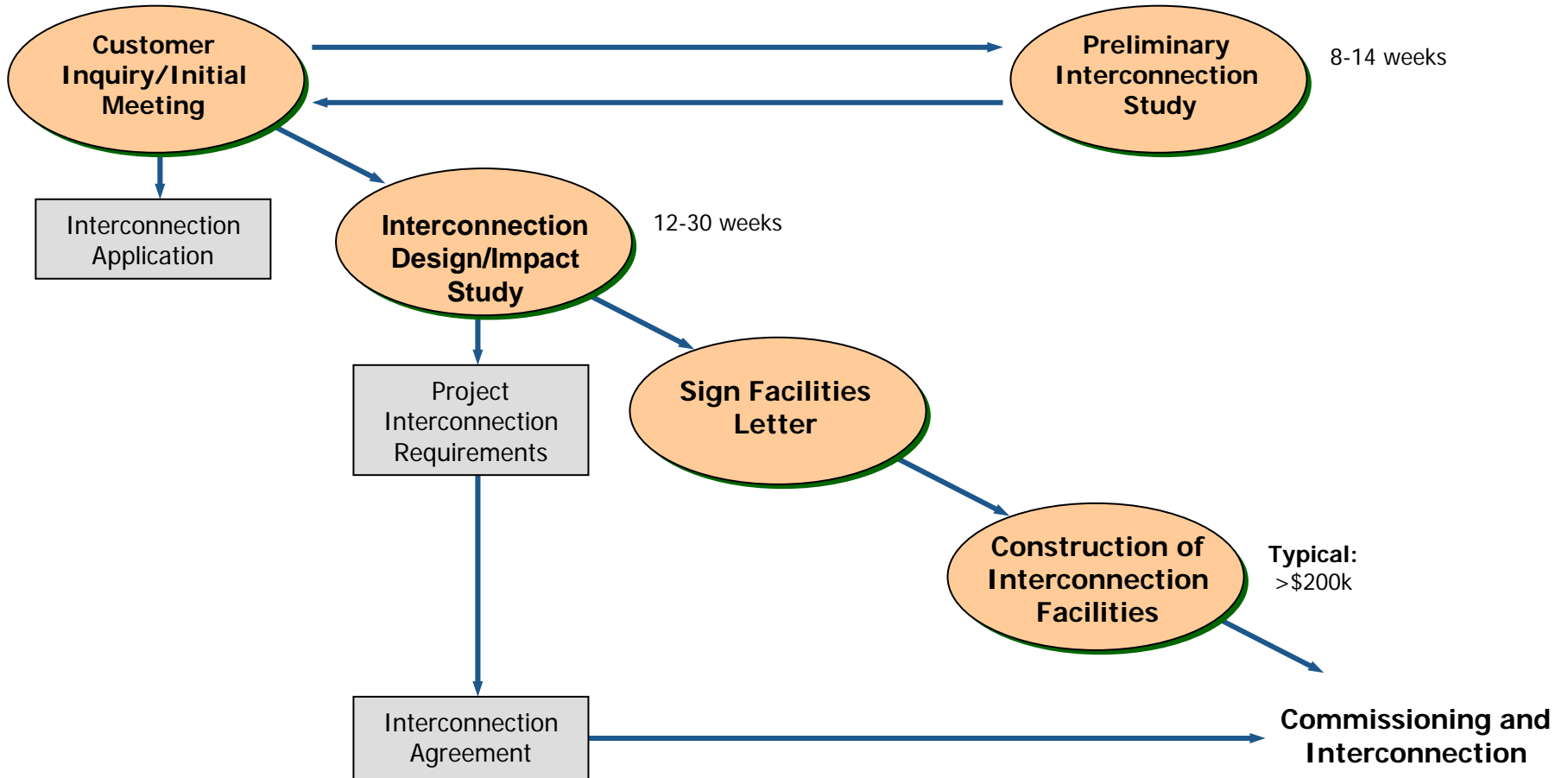
- Role of GITS
- Interconnection Process
- Timelines
- Application & Cost of Study
- D-Studies
- DO's and DON'Ts
- Contacts
- Summary

# Role of GITS

- Generator Interconnection and Transmission Services (GITS) facilitate interconnection of D-connected generators to the distribution system (Generators connected at 35 kV or less)
- GITS is the point of contact for D-connected generators
- GITS look after Interconnection Studies
- GITS look after Interconnection Agreements

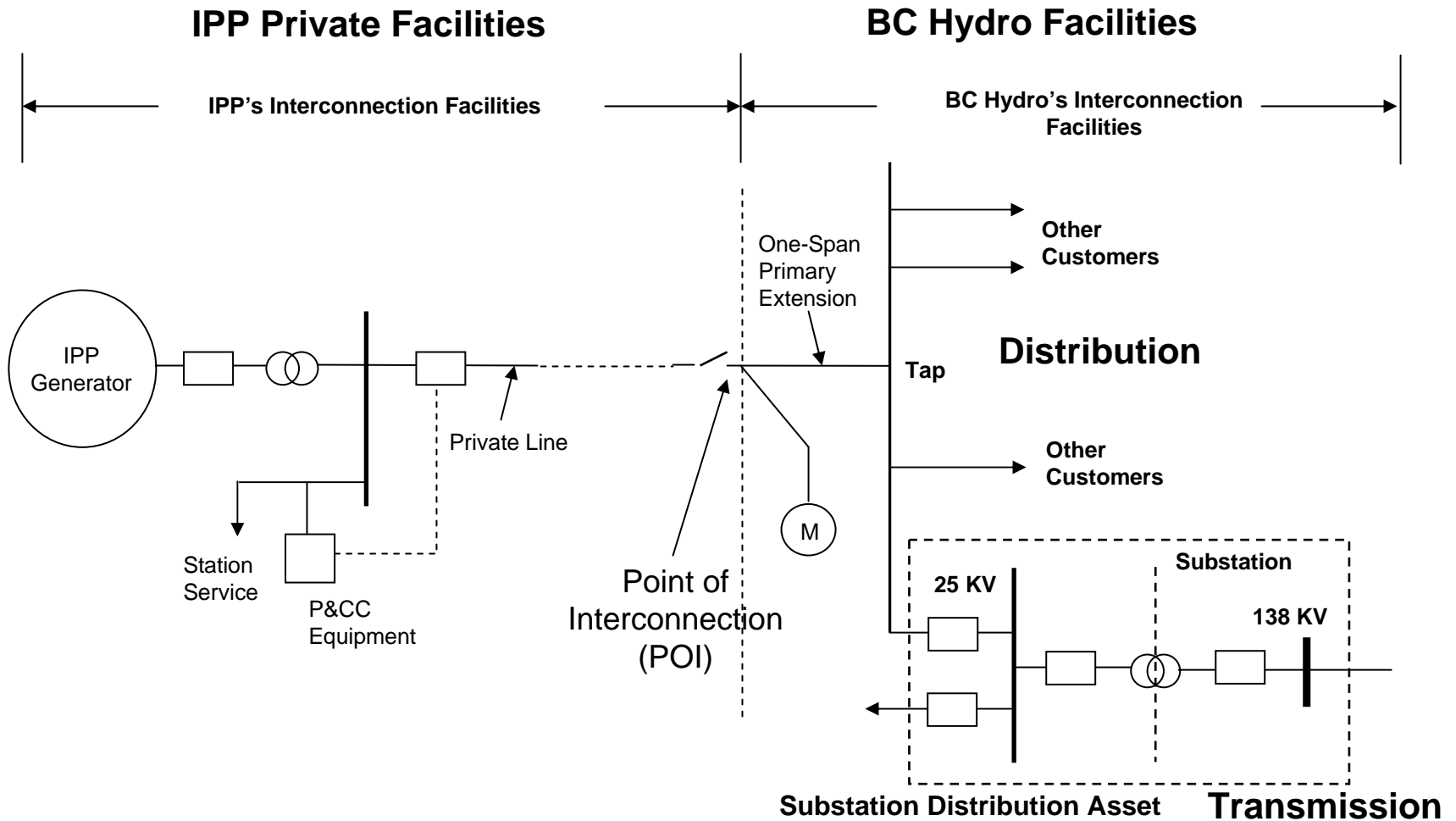
# Distribution Generator Interconnection (35 KV or Less)

## BC Hydro Interconnection Process for Generators with Transmission Impact:



Reliable power, at low cost, for generations. Reliable power, at low cost, for generations. Reliable power, at low cost, for generations. Reliable power, at low cost, for generations.

# A Typical Distribution Generator Interconnection



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# Process: Following CEAP

- Competitive Electricity Acquisition Process
- Part of BCTC OATT
- All CEAP applicants are in the same queue position
- Studies are done using same base case
- All applicants receive results same day and same format
- Interconnection costs are given for Distribution, Substation Distribution Asset (SDA), and Transmission facilities
- D-connected applicants submit application ahead of T-connected Projects
- If you are a successful bidder you have to apply for the next steps within certain time or you lose your queue position

# Timelines

BCTC Interconnection Workshop	September 15, 2008
Proponents Submit Application to BC Hydro (for Distribution System-connected Projects) for a Preliminary Interconnection Study	October 7, 2008
Filing of Preliminary Interconnection Study agreements with BC Hydro for Distribution System-connected Projects (4:00 p.m. PST)	November 7, 2008
Release of Feasibility Study or Preliminary Interconnection Study as applicable	February 23, 2009

# Application & Cost of Studies

- A new form has been developed for the application and is posted on the BC Hydro website
- By October 7, 2008, for each project, an application signed by a professional engineer and a deposit of \$15,000 must be submitted to GITS
- By November 7, 2008, for each project, a signed Preliminary Study Agreement, a completed application, and another deposit for \$15,000 (Total \$30,000) must be submitted to GITS
- Electronic and signed hard copies of the application are required for both dates

# D-Studies

- The studies include all or some of the following:
  - Feeder studies to identify :
    - constraints, needs and alternatives for:
      - » feeder thermal and voltage limits,
      - » fault levels,
      - » protection coordination,
      - » recloser control,
      - » location of capacitor bank and voltage regulator,
      - » primary service.
  - Prepare interconnection cost estimates

# DO's and Don'ts

- Do's:
  - > Follow timelines
  - > Submit signed application by October 7, 2008
  - > Submit \$15,000 to BC Hydro by October 7, 2008
  - > Complete any deficiencies in the application by November 7, 2008
  - > Submit \$15,000 to BC Hydro by November 7, 2008
  - > Sign Preliminary Interconnection Study Agreement by November 7, 2008
  - > Call me or Charley if you have any inquiries about interconnection

# DO's and Don'ts

- Don'ts:
  - > Ignore timelines
  - > Miss submitting application by October 7, 2008 or final, completed application by November 7, 2008
  - > Leave deficiencies uncompleted
  - > Forget to sign application in October 7, 2008 submission, or in November 7, 2008 submission
  - > Late submission of either or both deposits, \$15,000 each to BC Hydro
  - > Late or no submission of Preliminary Interconnection Study Agreement by November 7, 2008

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# Contacts

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- For more information go to:

[www.bchydro.com/interconnections](http://www.bchydro.com/interconnections)

# Summary

- GTS role is to facilitate and assist applicants in the Preliminary Interconnection Study
- Timelines, Timelines, and Timelines
- Completed Application
- Good luck

# Questions



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