

## Long Term Electricity Transmission Inquiry Workshop

**Inquiry Purpose:** To make determinations with respect to BC's electrical transmission infrastructure and capacity needs for a 30-year period. i.e. A high level, long term transmission planning exercise, to be repeated every six years. Not project specific.

### Generation:

- BCH engagement process
- Consider distributed generation, pumped storage in LM, geothermal, kinetic hydro, Burrard, Site C as a separate scenario, better definitions of developing technologies
- General cost info to be included
- Consider all sources of data including Fortis 2009 resource plan, Clean Power call, Standing Offer Pgm, Bio energy program
- Consider proximity of generation to transmission wires and load
- What gen. & DSM so "no more transmission lines needed for VI"?

### Demand:

- BCH engagement process w JIESC, etc
- Develop a limited # of scenarios
- Electric vehicles impact on demand and peak source of electricity
- Smart grid and distributed generation impacts
- 2016 self sufficiency and "additional 3,000 GWh of supply per year from facilities within the Prov. as soon as practicable but no later than 2026."

### Exports:

- BCH/BCTC E3 TOR
- Consider "back and forth" impacts & system optimization
- Consider US and Alta transmission capability
- Imports as well as exports
- Self sufficiency w insurance as a base case w any additional exports justified on merits

### Transmission:

- consider estimated costs
- include regionally significant existing lines
- Cost allocation
- Clusters
- Consider specific routes
- Assess interplay between strategically located transmission as impacting transmission needs. Also strategic generation (pumped storage), DSM and distributed generation ( LM & VI)
- HVDC & line contractors out of scope?

**First Nations:**

- duty to consult and accommodate vs duty to receive submissions?
- Past infringements
- Timing of regional sessions
- Inquiry panel assess the adequacy of BCH/BCTC consultations. Maybe hear from FN periodically

**Inappropriate Areas:**

- BCH prepared to work w MEMPR
- consider transmission
- Areas beyond "Exclusion Areas". BCH BCTC want limited to Exclusion Areas while others want broader consideration including FN issues, eco sensitive, and most feasible locations