

Connecting multiplex housing to the electrical grid

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Agenda



- BC Hydro updates – Robyn Wark
- Multiplex and electrical connections in City of Vancouver – Chris Higgins
- Improving processes for BC Hydro connections – Stefano D’Errico
- BREAK
- Real world stories – Bryn Davidson
- Q and A



Who's in the room?



What is powering this room?



Where did the electrons get generated?



1. Nuclear



2. Coal fired



3. Wind



4. Solar



5. Large hydro

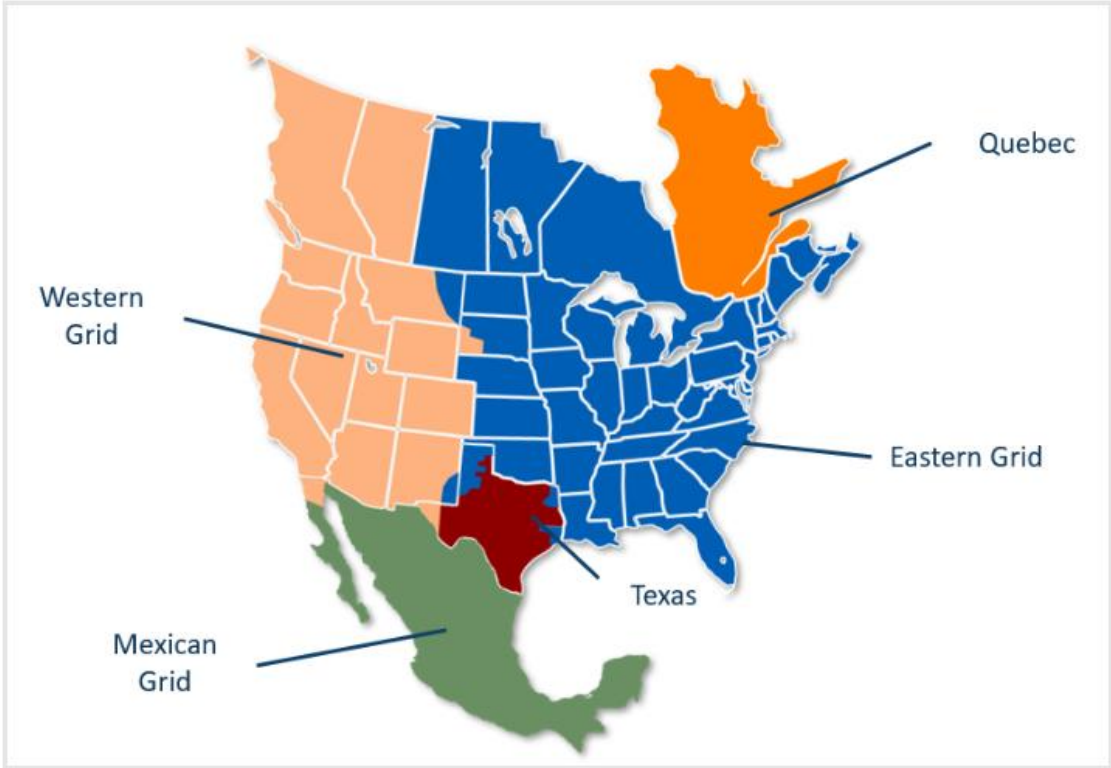


6. Small run-of-river hydro

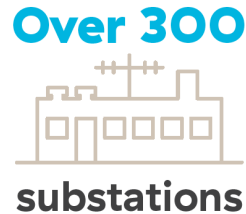
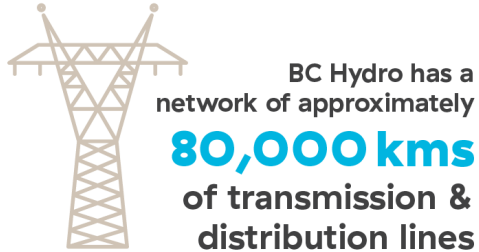
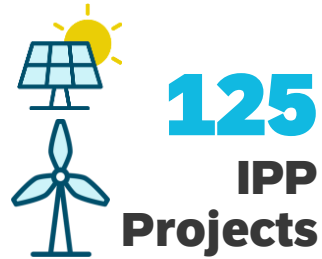


7. How the heck would I know?!!

We're all one community



A Robust Power System








5 million
customers





Where does our electricity originate?

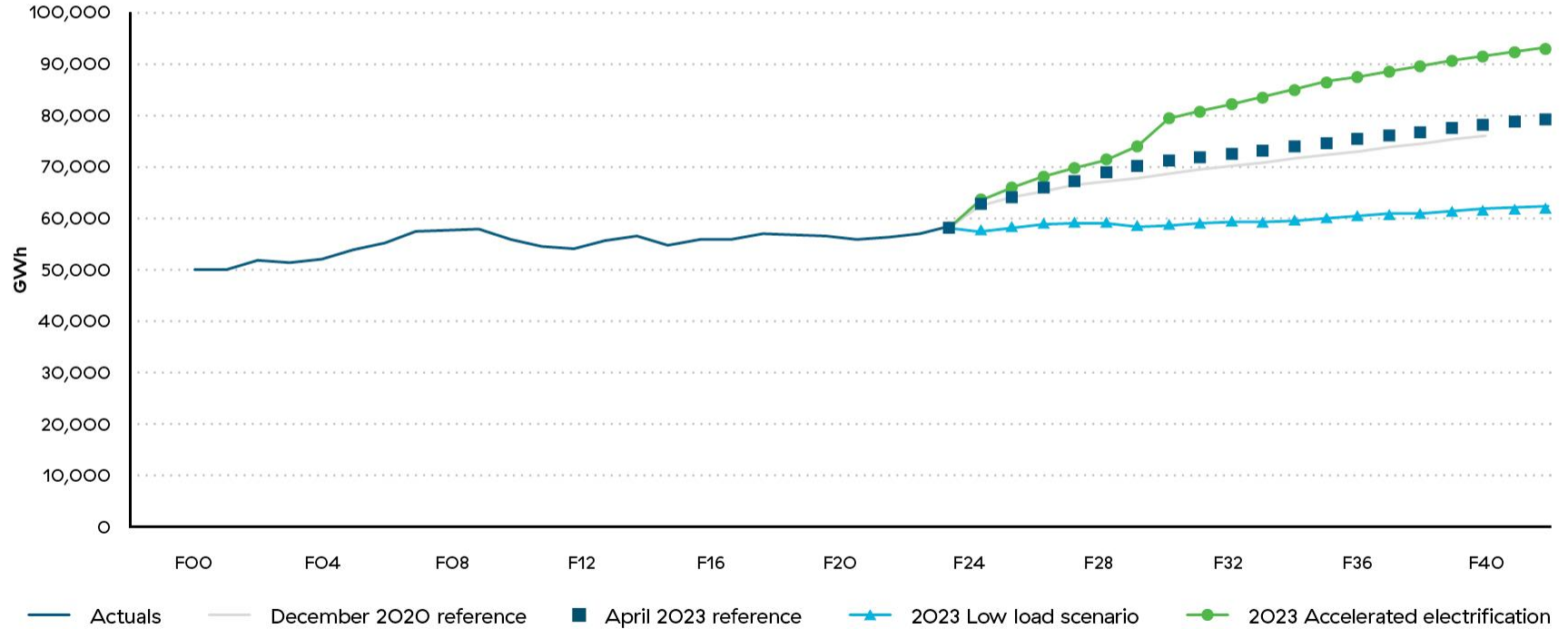
-  **69%**
Large hydro
-  **19%**
IPP hydro
-  **5%**
Biomass
-  **3%**
Wind
-  **<1%**
Solar

2023/24 - 2025/26 Service Plan (Feb 2023). Gas is approximately 1.4%

Energy Transition



Flexible planning



BC Hydro's system and customer groups

25%
Large
Industrial

36%
Commercial and
light Industrial

37%
Residential

Bringing on generation

Site C

- Adding 8% to our supply
- Nearly 500,000 homes



Bringing on generation

Call for Power

- Adding 8% to our supply
- 5,000 GWh each year
- 10 new renewable projects



\$36 Billion Capital Plan

Sustainment
\$21 billion



Reinforcement
\$5 billion



Electrification and
GHG reduction
\$10 billion



 Mount Pleasant Substation



Energy efficiency plan



- \$700 million
- Solar/battery
- Power management
- Standards and Practices



Power Efficient Design



Strategies to optimize
service sizing



Power Efficient Design



Strategies to optimize
service sizing



Supporting our customers

EV Power Management Devices
Time of use rates
Demand response programs



Easier Electrical Connections

- Express connections
- Design Connections
- 320 Amp Service
- Distribution Extension
- Policy Update
- Design Guidance





BC Hydro

Power smart

Distribution Extension Policy

- Update distribution extension charges
- Standard connection charges
- Apply the same charges to NIA

Timeline

- BCUC decision expected by end of February 2025
- Internal updates of policy, business processes and documentation – complete by Summer 2025

