

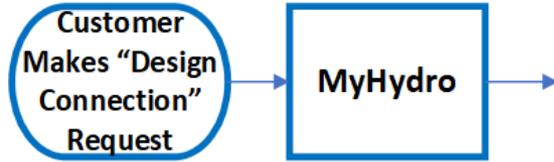
# Bringing solutions to the multiplex market



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**Distribution Design Customer Connections, BC Hydro**



# Multiplex electrical connection process



## What type of property is it?

### Express Connection (Residential / Commercial) 320 Amps or less

Choose this option if your request is for:

- Residential or Commercial connections with no meter room
- Overhead Services that are within 30 meters (100 feet) of a powerline
- Underground Services with a utility pre-serviced lot

#### Electrical Details

- Single Phase 120/240 Volts, 120/208 Volts network services
- Mainswitch rating: 320 Amps or smaller
- Note: for properties with multiple services exceeding 200A, or services greater than 200A, additional design charges may apply.

[Hide Info -](#)

### Design Connection (Residential / Commercial / Industrial / Subdivisions)

Choose this option if your request is for:

- Residential or Commercial connections with a meter room
- Overhead Services that are further than 30 meters (100 feet) from a powerline
- Underground Services with no utility pre-servicing
- New Subdivisions

#### Electrical Details

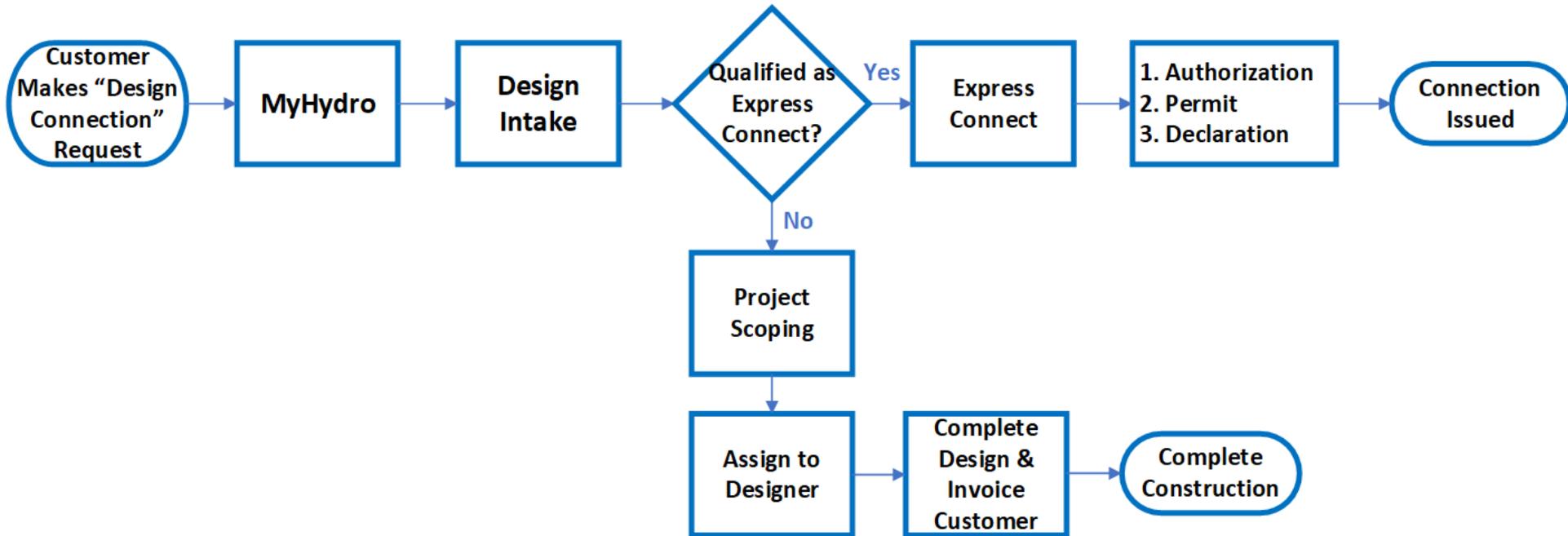
- Single Phase 120/240 Volts
- Three Phase 120/208 Volts or 347/600 Volts
- Primary Voltage
- Mainswitch rating: Any size

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[Start Request](#)



# Multiplex electrical connection process



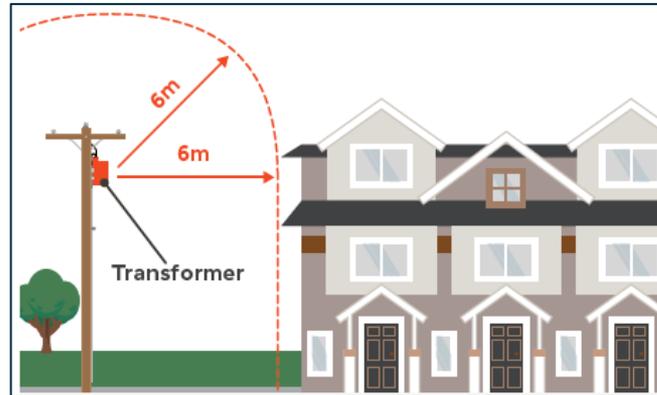
# 7 tips for multiplex electrical connections

1. Start preparing early: submit connection request to BC Hydro **before or at same time** as city building permit application
2. Work with an electrician or electrical consultant **experienced** with BC Hydro's connection requirements.
3. Include a **low-profile transformer** in your site plan



# More tips!

4. Gather drawings and documents, **submit full package**.
5. Include **safety setbacks** from electrical infrastructure.
6. Understand that SSMUHs are complex and require **more time and budget** to connect.
7. Visit [bchydro.com/designconnect](https://www.bchydro.com/designconnect) for more information.



# Service size options for multiplexes

- 2 to 3 x 100A meter bases with 200 Amp conductor, no electrical room needed.
- **\*NEW\*** 320 Amp service for single meter base
- 400 Amp service
  - 2- to 4-meter bases → **\*NEW\*** 2- to 6-meter bases, no electrical room needed.



- 600 Amp service



# Transformer types



Pole mounted transformer



Low profile transformer



Pad mount transformer



# Kaizen

Continuous improvement





**BC Hydro**

Power smart