

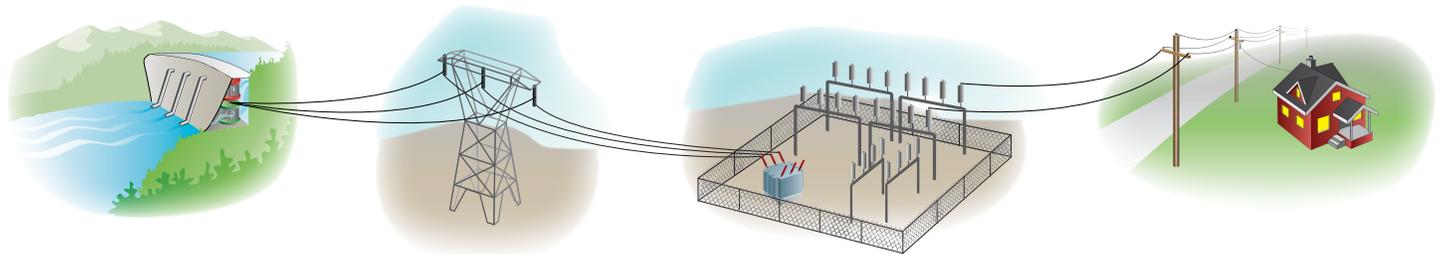
BC Hydro is building a new substation in the Big Bend area of Burnaby. The new Big Bend Substation will meet increasing demand for electricity in this rapidly growing area.

WHY IS THE PROJECT NEEDED?

In Big Bend – a major commercial, business and light industrial hub in south east Burnaby – demand for electricity is expected to increase by 20 per cent over the next 10 years. BC Hydro has purchased property in the heart of this area, to build a new substation to meet the growing needs of our Big Bend customers.

WHAT IS A SUBSTATION?

Substations transform the electricity carried by the high voltage transmission system down to a lower voltage that is then distributed to businesses and homes.



Generation:
Electricity is generated by BC Hydro and independent power producers

Transmission:
Electricity is moved from where it is produced to where it is used

Substations:
Voltage is reduced at substations to provide power suitable for use in homes and businesses

Distribution:
Low voltage electricity is provided to neighbourhoods and businesses

WHAT'S HAPPENING?

The Big Bend Substation will comprise two enclosed buildings and some outdoor equipment.

One building will house the equipment that controls substation operations. The other will contain distribution equipment.

The outdoor equipment includes two transformers and related equipment.

BC Hydro has retained an architect and a landscape architect, to design the substation buildings and grounds so that they fit into the Glenlyon Business Park.

SCHEDULE

We plan to start construction in fall 2014, so that the Big Bend Substation will be operating by fall 2016.

PRELIMINARY DESIGN CONCEPTS OF BUILDINGS AND LANDSCAPING



FOR MORE INFORMATION

If you'd like more information about the Big Bend Substation Project, please visit:
bchydro.com/bigbendsub.

If you have any questions, please contact:

Lesley Wood

BC Hydro Stakeholder Relations

Phone: 604 623 4472

Email: stakeholderengagement@bchydro.com

