

October 25, 2016

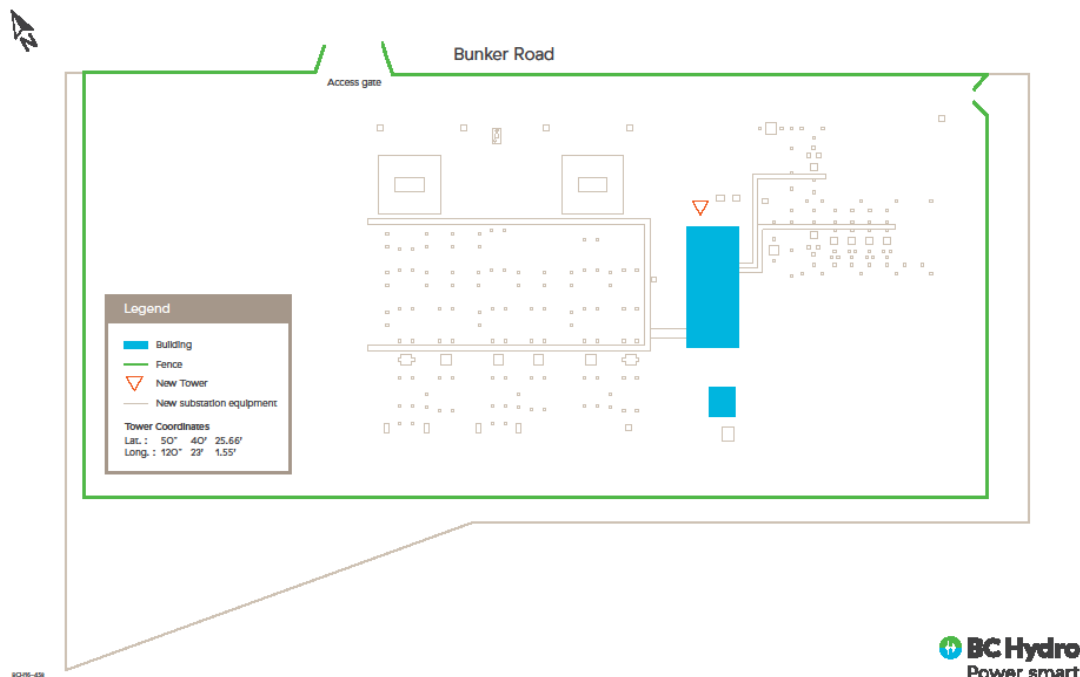
New West Kamloops Substation: New Communications Tower

Dear Neighbour,

As part of the new West Kamloops substation off Bunker Road, we're also planning to build a new communications tower on the site. We've now designed the tower and we're ready to begin the community consultation process as required by Innovation, Science, and Economic Development (ISED) Canada, formerly Industry Canada.

Where will it be located?

The communications tower will be within our new fenced substation next to the control building (LAT: 50° 40' 25.66' LONG 120° 23' 1.55').



The West Kamloops Substation (construction will begin January 2017) will be a fully fenced substation. There'll be no accessible areas to the general public. All access points are locked.

What will it look like?

The tower will be a lattice structure approximately 20 m tall with a 6 m lightning rod for a total height of 26 m. It will have one directional dish antenna (1.8 m in diameter) installed at 17.5 m on the tower.

Please see the included photo simulation. Using engineering drawings and a computer model, this photograph accurately shows what the substation area currently looks like and what it will look like once the substation, tower and equipment are built.

Transport Canada has informed us that no painting or lighting is required for the tower.

The installation of the communications tower will respect good engineering practices including structural adequacy and will comply with all related Canadian Codes and Standards.

Why do we need this new communications tower?

We need to construct a communications tower at the new West Kamloops substation so we can communicate between this substation and the Brocklehurst Substation at Parkcrest Avenue and the existing BC Hydro communication system.

As this is a new substation location, there are no existing towers or structures tall enough for the signal we need to send in order to connect with the Brocklehurst Substation.

Communications towers allow our substations to communicate with the rest of our electricity system. We use them to monitor and manage equipment, and make sure everything is working safely and reliably. We'll also build a communications tower at the Brocklehurst Substation and one in Kenna Cartwright Park for the connection with this tower.

What is the consultation process?

We are providing project information for comment to ISED and the City of Kamloops. The City of Kamloops does not have municipal processes or protocols for the installation of communications towers. We're following the ISED process, *Radiocommunication and Broadcasting Antennas systems (CPC-2-0-03)*.

The required notification area for this tower is three times its height (60 m) which only included City of Kamloops properties. We have chosen to add to the notification the Kamloops Natural Areas Advisory Committee. Any inquiries that are received during this notification will be responded to and submitted to the City of Kamloops and ISED.

This information as well as information regarding the new substation can be found on the project website at www.bchydro.com/westkamsub.

Information on the ISED Consultation process as well as general information on antenna systems is available on ISED's Spectrum Management and Telecommunications website at www.ic.gc.ca/towers.

Will it be in compliance with Health Canada's Safety Code 6?

ISED requires that all communications towers operate in accordance with Health Canada's safety standards. We confirm that the communications tower described in this notification package will be installed and operated on an ongoing basis to comply with Health Canada's Safety Code 6, as may be amended from time to time, for the protection of the general public, including any combined effects of nearby installations within the local radio environment.

Does it require any environmental reviews?

An environmental review which included wildlife, vegetation, aquatics, archaeology, and soils has been conducted and no major environmental concerns have been identified. The project does not have any requirements under the Canadian Environmental Assessment Act.

When would it be built?

This consultation process needs to be completed and all requirements for ISED and Transport Canada have to be met before we're able to begin construction of the communications tower. At this time, we've scheduled construction to start in the spring of 2017.

If you want to know more or provide comments ...

If you have questions regarding the tower or would like to provide comments, please provide them in writing within 30 days of receiving this notice. All written inquiries must be submitted no later than November 30, 2016.

Contact Information:**BC Hydro**

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Regards,



Lea Anne Sexton
Stakeholder Engagement Consultant

Viewpoint - Yard Waste Depot, Bunker Rd





Viewpoint - Yard Waste Depot, Bunker Rd, Looking West-Southwest - **Existing View**



Viewpoint - Yard Waste Depot, Bunker Rd, Looking West-Southwest - **Proposed View**

For on-screen display:
Scale bar to be 4 inches (101.6mm wide)
Viewing distance is 19.7 inches (50 cm)



West Kamloops Substation

Viewpoint 04

Yard Waste Depot, Bunker Rd

● Viewpoint Location ● Project Area



Easting Position (UTM Zone 10):	685013.6
Northing Position (UTM Zone 10):	5616891.9
Elevation of Photo Point Position (WGS84):	549.9
Height of Camera Above Ground (m):	1.65
Date of Photography:	26 August 2016 at 12:23pm
Orientation of View:	WSW
Horizontal Field of View:	124°
Vertical Field of View:	55°
Distance from Substation:	177m

3D MODEL



NOTES:

Viewpoint locations have been precision surveyed by:

McElhanney Associates Land Surveying Ltd.
www.mcelhanney.com
710 Laval Crescent | Kamloops BC V2C 5P3
Tel. 250-374-2200

No part of this photo simulation shall be altered in any way.

Visual assessments should be made from the full size TrueView™ only.

Photo Simulation Created Using
TrueView™ Technology
(Patent No.: US 8,184,906 B2)

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DATE	SHEET
02 September 2016	2