

PKOLS Tower Replacement

Why is the tower being upgraded:

The current tower is 20+ years of age and fatigued under new Canadian Standards Association guidelines. There is additional concern based on increasing wind magnitudes experienced.

Tenants' new technology are requiring larger equipment to maintain adequate levels of service.

Where is the new tower being built and what will it look like:

Pending a Geotech and building structural analysis report for location purposes, the final location is currently being determined. Factors such as environmental impact, installation and future maintenance safety, and costs are being considered.

The monopole tower will be 40m in height with a 6m vhf antenna at the top. This is the same model that is currently mounted on the existing tower. The first of three microwave antennas will start 13.5m from the base and the first of five antenna pinwheel arms will start 22.5m from the base. There is a locked anti-climb ladder included in the design starting at 3.2m from the base.

The new tower will be significantly heavier than the current tower, resulting in more considerations needed to address safety and environmental impact.

What is the anticipated schedule for the project:

March, 2024: Geotechnical and Structural Engineering reports to be received.

April, 2024: Report to Council.

April-May, 2024: Public Notice in accordance with Innovation, Science, and Economic Development Canada.

May 2024: Material Manufacture.

June, 2024: Foundation installation.

July, 2024: Monopole installation.

August, 2024: Installation of Ducting and Final Cleanup.

What are the benefits of this new tower:

Compliance with new Canadian Standards Association guidelines.

Ability of service providers to provide services based on changing technology.

Revenues contribute to enhancements in PKOLS (Mount Douglas Park) such as Douglas Creek restoration, new trails and bridge over Douglas Creek, and many environmental restoration projects.

What will happen to the current tower:

We are anticipating removing the current tower in late 2024/early 2025 once tenants have been transitioned to the new tower.

The current tower will remain until the new tower is operational.