



The City of Winnipeg must remove an existing antenna system, used by a number of City departments, located at the North End Water Pollution Control Centre (2230 Main Street), before the end of the year to accommodate the future expansion of the North End Water Pollution Control Centre scheduled to begin in 2017.

To ensure there are no gaps in coverage, a proposed antenna system must be built in the vicinity of the existing antenna system by the end of 2016, and prior to its decommissioning. This will allow time for the migration of equipment and testing. The City's proposal is pending approval by Industry Canada.

You are invited to an information session to learn about a proposed antenna system which is being proposed for installation at the southeast corner of Murray Avenue and Ferrier Street.

Date: Wednesday, June 29, 2016

Time: 4:00 p.m. to 7:00 p.m.

Location: Red River Community Centre, 293 Murray Avenue

Format: Drop-in

The proposed antenna system is currently owned by the City of Winnipeg. The location optimizes radio coverage throughout north Winnipeg while minimizing the impact on nearby residential development. No other suitable land, antenna systems or buildings of suitable height are available in the required area. Locations further west would interfere with Winnipeg Richardson International Airport's designated flight paths, and locations further east would result in diminished radio coverage in western Winnipeg.

For more information on the project and to provide your comments:

- Visit winnipeg.ca/AntennaSystem
- Email CSS-ASInquiry@winnipeg.ca

The deadline for comments is Sunday, June 26, 2016.

Proposed North Winnipeg Antenna System Location



A parcel of land known as roll 05009424920 was selected. This vacant land is located at the south east corner of Murray Avenue and Ferrier Street. The land is owned by the City of Winnipeg and is currently zoned as Agricultural.

PROJECT DETAILS

The City of Winnipeg must remove an existing 137 metre antenna system located at the North End Water Pollution Control Centre (2230 Main Street) before the end of the year to accommodate the future expansion of the facility. To ensure there are no gaps in communications coverage, the City must build a proposed antenna system in the vicinity of the existing tower.

A proposed, lower, 120 metre tall antenna system will be constructed, pending Industry Canada approval of the City's proposal. The antenna system is part of a network of 3 other antenna systems used to provide city-wide communications for City departments. Each antenna system helps to ensure radio communications coverage reaches all corners of the City, and this antenna system specifically provides coverage across the northern part of Winnipeg. The height of the antenna system is necessary to provide greater communications range.

In selecting the proposed site, the City considered:

- Locations further west near McPhillips Avenue which were deemed inappropriate because they would interfere with Winnipeg Richardson International Airport's designated flight paths;
- Locations further east which were deemed inappropriate because they would result in diminished radio communications in western Winnipeg;
- A Winnipeg Fire Paramedic Service mechanical and training facility was deemed inappropriate because of its close proximity to a multistory residential complex and because the antenna system would interfere with its use for training and testing fire vehicles;
- A snow dump north of the proposed site in Precinct G was deemed inappropriate because snow dump operations could pose risks to the antenna system structure;
- No other suitable land, communications antenna systems or buildings of suitable height are available in the required area.

I, Steve West, attest that the radio installation described in this notification package will be installed and operated on an ongoing basis so as 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.

The proposed antenna system is a 120 metre tall triangular metal lattice structure. Each face of the antenna system will be approximately one metre (39 inches). The antenna system will be painted with alternating sections of orange and white in compliance with all Transport Canada regulations.

The antenna system will be equipped with lights as required by the Canadian Aviation regulations. The lights will be installed with shields to limit their visibility from nearby residences. A fenced compound will enclose the equipment shelter at the base of the antenna system. The locked compound will be equipped with motion-activated lighting and a video surveillance system. The antenna system will be supported by three sets of guy wires. Each guy anchor point will be surrounded by a security fence to prevent access or accidental contact with the guy system.

Access to the antenna system and fenced compound will be via a gravel access road off Murray Avenue that would be installed during the construction phase. Vehicle and pedestrian access to the site will be very infrequent, and only required for regular maintenance or emergency repairs.

As depicted, the proposed antenna system would have a set of three vertical whip antennas installed near the top, and three communications antennas and three microwave dishes would be installed along the side of the structure.

This proposal does not have any environmental impact.

The City of Winnipeg further attests that the installation of the proposed antenna system will respect good engineering practices including structural adequacy.



This public engagement process complies with the City of Winnipeg's *Winnipeg Antenna Systems Policy*.

For general information relating to Antenna Systems, please refer to Industry Canada's Spectrum Management and Telecommunications website: <http://www.ic.gc.ca/towers>.

Proponent:

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