

WORK WE WANT TO UNDERTAKE.

Working in your neighbourhood is about better serving your needs today and tomorrow.

The area we're addressing is bounded by Erb Street to the north, John Street to the south, Westmount Road to the west and King Street to the east.

Our work in your neighbourhood:

- » We are renewing your infrastructure by converting 4kV distribution to 13.8 kV distribution

WHAT DOES THIS MEAN TO YOU?

- » Less service interruptions
 - Improved reliability
 - Faster restoration during power outages
 - Retiring old and inefficient stations and circuits
- » Fewer electrical sub-stations to look at
- » Better for our environment
- » Preparing for future energy needs
- » Maintaining safety by replacing old poles and wires
 - Taller poles are required because of changes in standards over the years, not because of the change in voltage
 - Please refer to *Your Trees* area for a discussion of pole heights

Are there any health risks associated with 13.8kV distribution?

- » 13.8kV lines have been in your neighbourhood, the city and in most municipalities since the 1960's.
- » There has been no substantiated link made between power lines and negative health impacts
- » Based on a scientific review of more than 25,000 articles of research that have been published within the last 30 years, the World Health Organization concludes "current evidence does not confirm the existence of any health consequences from exposure to electromagnetic fields (EMFs)."
- » A Health Canada fact sheet updated in 2010, Health Canada states, "At this time, Health Canada does not consider guidelines (on EMF exposure levels) necessary because scientific evidence is not strong enough to conclude that typical exposures cause health problems."



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WHY ARE WE DOING THIS?

- » To complete a 20-year long plan to convert all of Waterloo to 13.8 kV Distribution (please see *City of Waterloo Distribution by Voltage Levels* map), Uptown is the last neighbourhood in Waterloo to be converted
- » Kitchener, Cambridge and Guelph completed this conversion over 10 years ago
- » This is not being done in preparation for 27.6kV distribution, to support Light Rail Transit or intensification

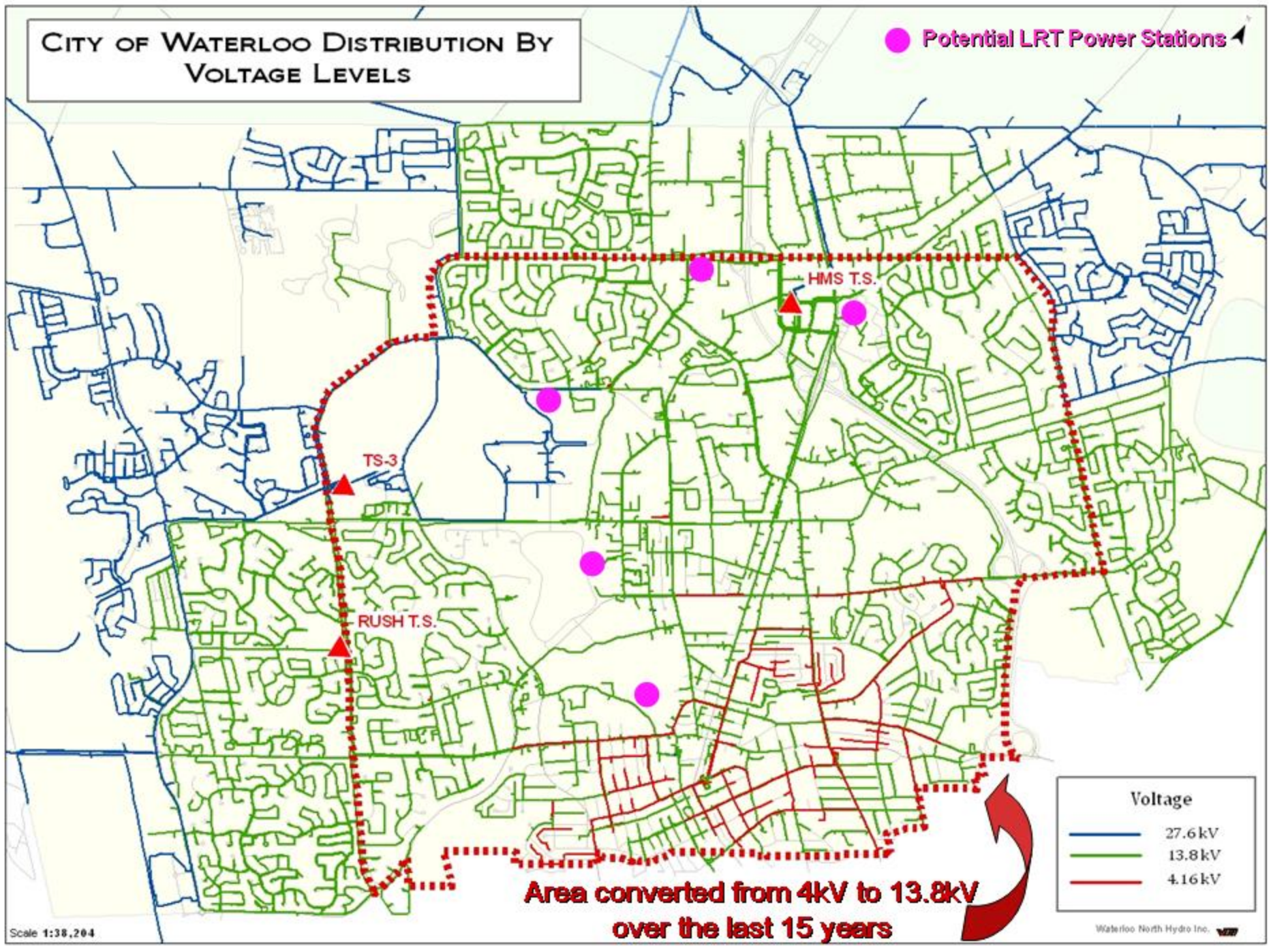
Parts of your neighbourhood have already been completed.

When is future work expected to take place?

- » Some streets will be renewed starting between 2014-18
- » Some streets will be renewed starting in 2019-2024

CITY OF WATERLOO DISTRIBUTION BY VOLTAGE LEVELS

Potential LRT Power Stations



Area converted from 4kV to 13.8kV over the last 15 years

Voltage	
Blue line	27.6kV
Green line	13.8kV
Red line	4.16kV

EXPECTED RENEWAL TIMING

Renewal expected to take place
2014 – 2017

Renewal expected to take place
2018 – 2023

Potential pole relocations due
to road projects 2013 – 2017



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