



# London Street Generating Station Expansion

## Project Newsletter No. 1, April 2014

### Introduction

The London Street Generating Station is a 4 MW hydroelectric generating station constructed circa 1921 to provide power to the American Cereal Company (now Pepsi-QTG).

Peterborough Utilities Inc. (PUI) acquired the facility in 1975 and began injecting the power into Peterborough Utilities' local electric distribution grid. During the 2003 province wide blackout, the London Street facility was able to provide power to the Peterborough Hospital and surrounding neighbourhoods.



*Schematic of the London Street Generating Station Expansion*

PUI is commencing with construction of a new 6 MW hydroelectric facility adjacent to the existing plant. The expansion will increase the production of renewable energy through the use of new higher efficiency turbines and generators and optimize the energy potential of the Otonabee River.

The project will extend the life of the existing, nearly 100 year old, power station and ensure that renewable energy will continue to be produced at this valuable facility for another hundred years.

### Construction Progress

Construction activities have commenced and will be ramping up in the coming weeks. Some of the construction highlights are summarized below:

- High voltage power lines have been moved and new poles and lines have been installed. This work was completed by Peterborough Distribution Inc., in order to accommodate a new substation that is being constructed as part of the project.
- All site preparation works are commencing. Crews will begin mobilizing equipment and site services in the coming weeks. This will include site office trailers, equipment and supply storage, and will also include the erection of site security fencing and signage. Public and worker safety is an important part of this project.
- Peterborough Utilities Inc. is actively working with procured construction firms to minimize occurrence of any disturbances caused by the project's activities, such as increased traffic and noise.
- Environmental mitigation measures will be installed including silt fencing and sediment control ponds. These measures will be monitoring for the duration of the project.

### Future Project Site Activities

Initial project activities will include the replacement of an emergency water line and the temporary removal of rail lines that are located on the project's site. The rail and water line are key components of



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the Pepsi-QTG facilities. Pepsi-QTG has been very supportive of London Street Generating Station Expansion Project, and both organizations will continue to work collaboratively.

Site excavation works will also commence in the coming weeks. Excavation will include the removal of soils down to bedrock. Excavation works are expected to last throughout the summer and be completed by the fall of 2014. Once complete, the concrete work for the power house can begin.

In order to support the excavation activities, and as part of maintaining a safe work site, a temporary coffer dam will be installed upstream of the project site. This coffer dam will be constructed and under strict considerations for the environment. This phase of the project has received approval from a number of government and local agencies.

#### **Environmental Protection and Mitigation**

PUI is committed to developing the project in an environmentally responsible manner in accordance with applicable legislation and to follow-up on project related commitments. PUI has completed a detailed environmental assessment process in accordance with the Ontario Water Power Association Class Environmental Assessment.

The environmental assessment process included detailed consultation with the public and regulatory agencies. A statement of completion associated with the environmental assessment for the project was issued on January 28, 2013. For further information associated with the project's assessment activities, we encourage you to visit our website at [http://www.pui.ca/Generation/London\\_Street\\_Expansion.htm](http://www.pui.ca/Generation/London_Street_Expansion.htm).

Part of the environmental assessment activities completed for the project included detailed consideration of the natural and heritage features that may be impacted by construction activities. As a result, comprehensive mitigation and monitoring plans have been developed. PUI is committed to minimizing the project's impacts.

The London Street Generating Station Expansion will provide a number of environmental and social benefits (enhanced water management, modernized environmental protection, local employment and service contracts) and will produce enough energy annually to supply an additional 1,600 homes with renewable energy.

#### **Would you like more information?**

Visit us on the web at [www.pui.ca](http://www.pui.ca).

Or contact:

Eric R. Prevost  
Project Manager  
Peterborough Utilities Inc.  
[eprevost@pui.ca](mailto:eprevost@pui.ca)  
Telephone: 705-748-9301 Ext. 1355



*The existing London Street Generating Station and Dam*