

# Electric Generation Unit July 2017 Quarterly Update

City of Medicine Hat  
Electric Generation  
July 2017

## Construction of the City's new Electrical Generation Unit *Safe, reliable electrical generation for the future*

It's been one year since the official sod-turning in June 2016, and construction of the City of Medicine Hat's new Electric Generation Facility is nearing completion. 100% of the equipment has now been delivered.

In the past few months, the LM6000 mechanical assembly was completed and significant progress is being seen in the on-site construction including the Process Building (right) and connection of the 16L Transmission Line to the MHS-16 Substation which will be energized this month.

As work continues on final stages of construction, we are looking ahead to the Commissioning of the new facility and a Grand Opening in October.

### 16L Transmission Line connected to MHS-16 Substation



### Process Building nearing completion



Please visit the City of Medicine Hat website photo gallery for more photos and to watch a time lapse video of construction:  
[medicinehat.ca](http://medicinehat.ca) > *Electric Utility* > *New Generation Facility*

# Background

## The City's "Unit 16" New Electric Generation Facility

- Official Sod-turning on June 6, 2016
- This Unit will ensure enough generation for the entire service area, even if the City's largest generating unit goes offline
- Meets Alberta Utilities Commission guidelines for electrical generation capability.
- Location away from the power plant ensures security of City's electrical supply
- Capable of providing enough power for about 14,000 Medicine Hat homes annually
- This is the third GE LM-6000 unit purchased by the City of Medicine Hat since 2001. These units have been reliable and are cornerstone assets for the City's Electrical Generation supply



### Approved by City of Medicine Hat Council (July 2015)

- Project Cost: \$66 million
- Anticipated Completion: October 2017

### Major Contractors (updated July 2017)

- AVAL Engineering - Project Management
- WorleyParsons - Design Engineering (provided 3D model graphic, right insert)
- General Electric - LM6000
- Dynamic Industrial Solutions - Site Civil/Structural and Mechanical Contractor
- Art's Excavating – Subcontractor
- Keller Foundations - Piling
- Wright Construction – Concrete foundations

Watch for news about the Facility  
Commissioning and Grand Opening  
anticipated in October 2017