



Case Study: **COMMISSIONING BACK-UP POWER FOR A GOVERNMENT BUILDING**

PROJECT OVERVIEW

A Niagara area city hall required the services of Spark Power to install a reliable source of back-up power.



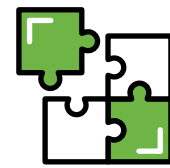
Scope

- Deliver engineering, procurement, and construction services as required.
- Customizing a concrete pad to mount a tamperproof generator.
- Provide all general contracting responsibilities as needed.
- Coordinate and communicate with all key stakeholders.



Challenges

Working with city hall to address public safety standards and concerns during the construction process.



Solutions

Spark Power worked diligently to ensure high safety standards through detailed planning and ongoing communication.

Advanced planning and engineering were instrumental to successfully complete the project without affecting day-to-day operations.

Other solutions included:

- Installation of a new 750 kW generator on-site.
- Improved accessibility via 800 amp automatic transfer system that allows for second floor access to the facility.
- Removing, replacing, and rewiring existing 50 kW system and main service auxiliary distribution panels with a transfer switch, diesel day tank, and new ventilation and charging systems.