

New York Power Authority **TRANSMISSION LIFE EXTENSION AND MODERNIZATION (TLEM)**



PROJECT NAME: Niagara and Blenheim-Gilboa Switchyard Transmission Life Extension & Modernization

PROJECT ADDRESS: Lewiston, NY and Blenheim-Gilboa, NY

PROJECT DESCRIPTION:

The transmission life extension and modernization (TLEM) is a multilayer program that involves the upgrade of the New York Power Authority's (NYPA) state-wide transmission system to maintain availability, increase reliability and to ensure regulatory compliance. The program encompasses transmission assets in the Central, Northern and Western regions of the state and has been divided into several projects. RCMT has been selected to support the projects relating to the Niagara Switchyard located in Lewiston, NY and the Blenheim-Gilboa Switchyard located in Blenheim-Gilboa, NY.

During this ten (10) year comprehensive refurbishment program, RCMT is providing technical assessments, detailed engineering and design services, procurement support, construction support, testing and commissioning and close-out services for major portions of the switchyard refurbishment work.

To date, RCMT has been involved or selected to perform the technical assessments, procurement support and/or engineering for systems and component replacements including, but not limited to, the following systems and/or components:

- 1) 800MVA Autotransformer
- 2) 115kV, 230kV and 345kV Disconnect Switches Design
- 3) Switchyard DC System and Battery Upgrades
- 4) High Voltage - High Pressure Fluid Filled (HPFF) Cables Assessments
- 5) Cathodic Protection System Assessments
- 6) Switchyard lighting upgrades

