



ERS ENGINEERING CONSULTANTS, P.C.

ENGINEERING RESOURCE SERVICES

July 23, 2020

Mr. Jason Brasier
Chief
Raymond Hose Company
25 Church Street
Warwick, NY 10990

Dear Mr. Brasier:

Convergent Energy & Power is looking to lease a portion of the property located at 28 Church Street, Warwick, New York and proposes to construct a battery energy storage system area on the existing commercial property located in the LI Zone.

The BESS safety design considerations include mitigation of identified electrical and operational hazards. All safety-critical system responses are executed in fail-safe hardware, without software intervention.

With any battery energy storage system, fire protection is of highest priority. Each energy storage unit is housed in a NEMA 3 outdoor rated steel container and contains both automated gas and fire detection and suppression systems designed to meet NYS requirements. The thermal management system utilizes air cooled water glycol and conditioned air, ensuring the module temperatures remain well within system specifications. Should the system sensors indicate module temperatures exceed specified thresholds, the system will trip offline and report the fault to Convergent Energy & Power.

Convergent Energy & Power has worked closely with FM Global, one of the world's leading commercial and industrial property insurance providers, to evaluate the safety and fire risk associated with the Lithium-Ion energy storage systems. The combination of system architecture, sensors, protection devices, suppression system and thermal management satisfied FM Global's risk management team, which approved the installation of the 4MW system adjacent (within 6') to a plastics manufacturing facility in Bolton, Ontario.

In addition to the safety design features listed above, electrical hazards associated with high voltages, both AC and DC, are mitigated with design features such as system protection devices, code compliant clearances, and physical barriers.

At this time, the application is in front of the Village of Warwick Planning Board for site plan approval.

Please provide our office or the Village of Warwick Planning Board with any written comments at your earliest convenience. We have included a copy of the Site Plan for your review.

Sincerely,

A handwritten signature in cursive script, appearing to read "David Griggs".

David Griggs