

Megapack Installation – Construction Summary and Timeline, Guilford

Stage 1: Site Preparation and Excavation

- Remove existing shrubs, trees, and excess debris from the project area.
- Saw cut the driveway and trench for underground power conduits.
- Excavate and prepare foundations for electrical infrastructure.
- Install concrete pads to support the Battery Energy Storage System (BESS), transformer, and switchgear.

Estimated Duration: 2–3 weeks (depending on site conditions and permitting).

Stage 2: Equipment Setting and Electrical Connections

- Utilize crane services to set the BESS units, transformer, and switchgear on prepared concrete pads.
- Perform short wire pulls between equipment.
- Torque and secure all wire connections to manufacturer and NEC specifications.

Estimated Duration: 1–2 weeks.

Stage 3: Utility Power Shutdown and Changeover

- Coordinate scheduled power shutdown with the local utility provider.
- Remove the existing utility transformer from its current location.
- Relocate the transformer to the new designated area.
- Re-feed the existing switchgear with new grounding and grounded conductors.
- Verify compliance with utility requirements before re-energization.

Estimated Duration: 1 to 3 weeks (subject to utility scheduling).

Stage 4: Inspection and Commissioning

- Facilitate municipal and utility inspections of all installed equipment and electrical connections.
- Conduct product testing in accordance with manufacturer guidelines.
- Complete commissioning of the BESS system to ensure full operational readiness.

Estimated Duration: 1 week.

Total Project Timeline

- Overall construction and commissioning: 5-9 weeks (subject to weather, permitting, utility coordination, and unforeseen site delays).

Some Key Notes on Scheduling Work

- Coordination and scheduling of work that impacts the school's operations will be done as far in advance as possible so back up and alternative planning can be accommodated.
- Will always look to schedule work first during periods of off peak time for the school.