Regional Municipality of Durham

Clarington Police Complex Phase 2: Building a More Energy-Efficient and Sustainable Police Services Campus

Durham Greener Buildings

Description

Clarington Police Complex Phase 2 adds the Regional Support Centre and Centre for Investigative Excellence, centralizing investigative, forensic, tactical, fleet, canine, property and evidence, quartermaster, facilities and other specialized police services across Durham Region.

- **Regional Support Centre**: approximately 12,260 square metres, with offices, support areas, indoor parking, seven vehicle-maintenance bays, and property and evidence storage.
- **Centre for Investigative Excellence:** approximately 4,654 square metres, with offices and specialized support areas.
- Geothermal heating and cooling for both buildings, with high-efficiency natural-gas boilers for emergency backup and redundancy.
- Publicly identified features include EV charging, exterior window shading, landscaped green space and a stormwater-management pond.
- Designed to target LEED Silver certification.
- Alerton Compass Building Automation System supports building-system monitoring and control.
- Building Information Modelling (BIM) stores system information and project photographs for future facility management.

Clarington Police Complex Phase 2 demonstrates how a large, mission-critical public facility can incorporate low-carbon thermal energy, operational resilience, smart building controls, electric-vehicle infrastructure and sustainable site design within one integrated project. The project provides a practical example of advancing greener public buildings while maintaining the reliability and functionality required for essential police services.

Desired Outcomes

- Use geothermal heating and cooling to reduce fossil-fuel reliance, energy use and emissions in two specialized police facilities.
- Maintain critical-service reliability with backup boilers and emergency generators.
- Integrate sustainability without compromising security or service delivery.
- Support lower-emission vehicles with EV charging and long-term building performance through automation, commissioning and BIM asset information.

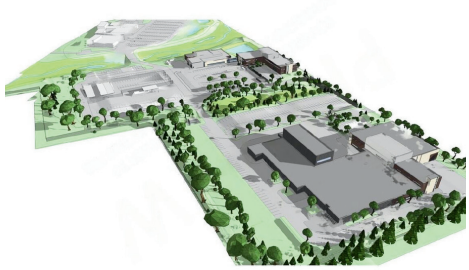
Key Sustainability Features

- **Geothermal energy**: primary heating and cooling source for both new buildings.
- **Operational resilience**: high-efficiency natural-gas boilers and emergency generators provide backup for critical police services.
- **Low-emission transportation**: electric-vehicle charging stations support the longer-term transition to lower-emission vehicles.
- **Smart building operations:** Alerton Compass building automation supports monitoring and control of building systems.
- **Digital asset information:** BIM stores building-system information and project photographs for future facility management.
- **Sustainable site design:** exterior shading, landscaped green space and stormwater-management features are integrated into the campus design.

Progress to Date

Construction is well underway, with the project targeting completion and occupancy in early 2027. Work continues toward bringing the new facilities into operation, including completion of construction, building systems and commissioning activities.

Rendering 1 – Phase 2 facilities, parking, landscaped green space and stormwater-management features



Rendering 2 – Broader campus layout, including existing and new facilities, parking and landscaping



DURHAM REGION

Windfall ecology centre