



# OPG Enterprise Emergency Management (EEM) 2024 Program Overview

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# Agenda

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# Enterprise Emergency Management – Our Mandate

To ensure OPG has adequate provisions for the preparedness, and response capability, to mitigate the effects of a nuclear emergency, and protect the health and safety of the public, personnel, and the environment.

## How is this implemented?

- CNSC **Reg Doc 2.10.1** & **Provincial Nuclear Emergency Response Plan** (PNERP)
- To respond effectively to an emergency, OPG practices the response capability through **10+ simulated emergencies** every year, and maintains plans, equipment, and facilities to ensure that this capability is sustained
- Nuclear Emergency Preparedness capability via Facilities, Equipment, Procedures, Emergency Response Organization with approximately **1200 trained and proficient ERO members**, 54 unique qualifications
- Emergency Management—Business Continuity, Crisis Management, Grid
- Alignment and inter-operability of emergency plans with **off-site authorities and stakeholders**

# Enterprise Emergency Management Pillars

## 1. Program Excellence

*Strengthen OPG's social license through a robust EP program which is integrated with station goals, to ensure the protection of employees, the public and the environment*

## 2. Perfect Practice

*Maximize the Emergency Response Organization's effectiveness through drills and exercises that are realistic, challenging and evaluated against a high standard*

## 3. Constant Improvement through Innovation

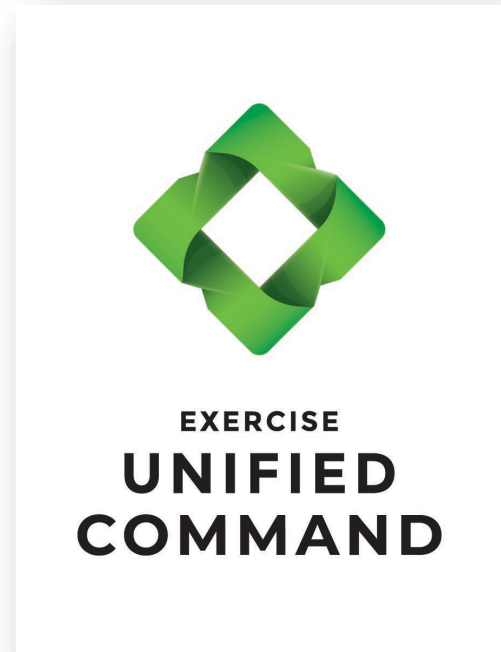
*Develop a culture of continually challenging the status quo to improve the EP program through a cycle of: Ideation → Innovation → Integration → Iteration*

# 2023 Highlights

- **Exercise Unified Command 2023** executed successfully at Pickering, including participation from OPG, CNSC, Province EMO, Durham, Toronto, Pickering Fire, and Centennial College.
- **Proficiency of ERO (Emergency Response Organization):** Piloted an ERO Proficiency Dashboard to track performance across all key response roles.
- Updated **Evacuation Time Estimates** for Pickering and Darlington stations completed and made available for public reading at [opg.com](http://opg.com)
- **Drills & Exercises:** Successfully completed 12 evaluated drills and 20 Self-Assessed crew practices.
- **Potassium Iodide (KI) Pills:** Approximately 242,000 KI pills were distributed through 11,000+ orders via [preparetobesafe.ca](http://preparetobesafe.ca) and the New Neighbours program in 2023.
- **External audit:** 'Continuum Site Visit' at Pickering and 'Mid-Cycle Review' by World Association of Nuclear Operators (WANO) in October, and 1 CNSC audit at Pickering and 2 inspections at Darlington.
- Attended Community Open House with **Metis Nation of Ontario** to share emergency response practices for transportation emergencies and waste management.

# Exercise Unified Command 2023

- **A 3-day, large-scale exercise simulating a nuclear emergency** at Pickering Nuclear Generating Station occurred in September 2023.
- The goal was to **test the interoperability and elements of each organization's respective emergency response plans** for a simulated incident. Lessons learned would be incorporated into the existing response plans for improvements.
- Participants included from a variety of organizations including:
  - CNSC
  - Province of Ontario
  - Regional Municipality of Durham
  - City of Toronto
  - Pickering Fire Services
  - Toronto Fire Services
  - Centennial College
- Several lessons from this exercise apply to both Pickering and Darlington sites and associated Off-Site Centres.



# 2024 Priorities

- **Drills & Exercises:** Full drill & exercise schedule through 2024, with added realism incorporated into scenarios.
- **Partnerships:** Maintain strong partnerships with external partners at all levels (Federal, Provincial, Regional, Municipal, Nuclear industry) through regular discussion, alignment and MOUs.
- **Indigenous Engagement:** Forming a team to identify additional engagement opportunities through the program
- **Performance:** Monitor changes in emergency response equipment and systems through data automation
- **Innovation:** Enhance audio-visual technology in emergency response centres, and integration of electronic fax system into event documentation and communication software, WebEOC, investigate drone technology for off-site radiation monitoring
- **External evaluations and benchmarking:** Several external evaluations planned. Benchmarking in US planned with specific areas of focus (e.g., site emergency communications protocols and equipment)
- **New Nuclear (Small Modular Reactor Darlington):** Continued support for initiative with staff and expertise.
- **Pickering Safe Storage:** Effort underway to define and plan the transition activities to maintain appropriate Emergency Response
- **Potassium Iodide (KI):** OPG will remain an active member of the ongoing CNSC-led KI Working Group in 2024, as well as consulting with municipal and provincial partners on various KI matters. OPG to enhance the KI Program by upgrading the PTBS website and expanding approved suppliers.

# 2024 Committees, Working Groups & Meetings

REGIONAL	PROVINCIAL
Public Education	NEMCC—Main Committee
Nuclear Sector Working Group	NEMCC—Public Education Sub-Committee
Nuclear Exercise Meetings (Regional Departments & Local Area Municipalities)	NEMCC—KI Working Group
Durham & Toronto Office of Emergency Management Working Group	NEMCC—Transportation
Durham Nuclear Health Committee	EPREV—Provincial Working Group
Community Advisory Council	
FEDERAL	EXERCISE UNIFIED COMMAND
EPREV—Steering Group	Steering Committee
CSA N1600 Technical Committee	Joint Exercise Planning Team
CNSC hearings	Scenario Development Working Group
CNSC KI Pill Working Group	Exercise Communications Working Group
	Exercise Evaluation Working Group



For more information, visit: [www.opg.com/nuclearsafety](http://www.opg.com/nuclearsafety)

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