



# OPG Emergency Preparedness

| Scott Preston, Senior Manager Emergency Preparedness

## 2021 Program Overview

**ONTARIO**POWER  
GENERATION

---

# Agenda

- 1 | OPG Emergency Preparedness Overview
- 2 | 2020 Highlights
- 3 | 2021 Priorities






# OPG Emergency Preparedness Dept

- Driven by the requirements of CNSC RegDoc 2.10.1 and Provincial Nuclear Emergency Response Plan (PNERP)
- Implement and maintain emergency response capability within OPG Nuclear
- Maintain OPGN Emergency Response Organization (ERO) facilities and equipment
- Oversee the ERO training and qualification program, and roster of qualified staff
- Conduct drills & exercises to confirm effectiveness of emergency plans
- Liaise with off-site authorities and stakeholders to align and integrate emergency plans
  - CNSC, Province, Region of Durham, City of Toronto, etc.
- Assessments conducted to demonstrate program performance and continuing improvement
  - Internal: Self Assessments, Nuclear Oversight
  - External: CNSC inspections, Nuclear Safety Review Board, WANO, IAEA EPREV

---


# EP 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*



# 2020 Highlights

- **Drills & exercises:** Successfully completed drills with all crews at Pickering and Darlington, plus 1 inter-operability exercise, use of virtual platforms, revised protocols for drill control/evaluation, and new drill scenario elements
- **COVID:** Enhanced cleaning and staff protection protocols within Emergency Response Organization (ERO), revised assembly & accounting protocols, virtual response guidelines, cross trained ERO to build additional resiliency
- **KI Pills:** Delivered an unprecedented number of KI pills to requesting residents & businesses
- **External assessments:** WANO at Darlington concluded the strength of OPGs EP program, plus several lessons learned to continually improve
- **Innovation:** Several new technologies, tools, streamlined processes implemented in 2020 to improve service delivery – Cloud based data management, drill evaluation tablets, virtual training, technology refresh in response facilities to improve effectiveness
- **Transportation Emergency Response:** Revised Mutual Aid Agreement between Canadian utilities
- **Resilience:** Delivered resilience training for key ERO decision makers



# 2021 Priorities

- **Drills & exercises:** Continued implementation of full drill schedule through pandemic, including new and challenging drill scenarios
- **Partnerships:** Maintain strong partnerships with external partners through regular discussion and alignment
- **External evaluations:** CNSC audits, 2021 Pickering WANO evaluation
- **Technology:** Upgrades to emergency communication software tools (WebEOC)
- **Innovation:** Offsite Survey Team restructuring, adoption of new software and technology
- **Organization:** Redesigning organization to build capability and agility
- **Resourcing:** Building proficiency of several new staff to department to improve organizational agility
- **New Nuclear & SMRs:** Supporting OPGs SMR initiative with staff and expertise on EP issues

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



Copyright 2021