



Exploring the Advantages of a Collaborative Full-Scale Exercise Engagement

CM25 – A Canadian Perspective

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Background

- Three Nuclear Power Stations with 18 Reactors within the Province of Ontario
- Portion of Ontario lies within the detailed planning zone of Fermi II
- IPZ for several other USA reactors extends into Ontario
- Nuclear industry is growing in Ontario and in Canada as a whole
- Emergency Management Ontario (EMO) is responsible for off-site response and recovery in the Province of Ontario during/after a nuclear emergency
- EMO administers the Provincial Nuclear Emergency Management Program that assigns provincial responsibilities within the (nuclear) emergency management spectrum
- Federal Government supports the Province in off-site response when requested
- All levels of provincial and federal Governments will participate in CM25

Nuclear generating stations with potential to directly impact Ontarians



Cobalt Magnet 2025 Objectives

- Examine the interoperability of Federal/ Provincial/ Municipal/ International agreements and arrangements
- Examine the integration of Federal/Provincial/Municipal governments into command and control
- Examine Canadian and American joint operational response
- Practice data sharing - pre and post release – nationally and internationally
- Examine implementing aligned Early Phase and Intermediate Phase protective actions
- Test public alerting system for an international event
- Test the alignment of cross border media messaging
- Practice joint information sharing
- Identify the arrangements needed for recovery in an international incident



Enhancing current response plans

- The Province of Ontario is currently engaged in a 3-year project that will enhance Ontario's nuclear emergency management program
 - Scheduled for completion December 2025
 - The program will not be fully operational for CM25 conduct
 - Recovery planning being advanced as part of this project
 - Resource constraints can be an obstacle to extended response operations – a Mission Function Task Analysis is well underway to identify and provide recommendations for rectification of these issues



Opportunities during Cobalt Magnet 2025

- Work across all levels of Government and NGOs both domestically and internationally during exercise planning and execution to:
 - Validate current plans and procedures
 - Identify gaps in plans and procedures
 - Use findings to enhance the nuclear emergency management program within the Province of Ontario
 - Revisit and revitalize plans with international stakeholders, both provincially and federally
 - Build relationships with other participating organizations



Benefits from Cobalt Magnet 2025

- Identify opportunities for improvement that can be built into the Nuclear Emergency Management Program Enhancement project
- Unique opportunity to practice cross border and international coordination and response in a nuclear emergency environment, at all levels of Government
- Establish working level relationships with provincial, national and international partners
- Find and resolve response issues during the planning process



Thank you!

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