



## **Supplementary Information**

### **Presentation from the New Brunswick Emergency Measures Organization**

In the Matter of the

**New Brunswick Power Corporation,  
Point Lepreau Nuclear Generating Station**

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Application for the renewal of NB Power's  
licence for the Point Lepreau Nuclear  
Generating Station

**Commission Public Hearing  
Part 2**

**May 10 to 12, 2022**

## **Renseignements supplémentaires**

### **Présentation de l'Organisation des mesures d'urgence du Nouveau-Brunswick**

À l'égard de la

**Société d'Énergie du Nouveau-Brunswick,  
centrale nucléaire de Point Lepreau**

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Demande de renouvellement du permis  
d'Énergie NB pour la centrale nucléaire de  
Point Lepreau

**Audience publique de la Commission  
Partie 2**

**10 au 12 mai 2022**

# New Brunswick Emergency Measures Organization



## Nuclear Emergency Program Department of Justice and Public Safety

Greg MacCallum, Director NBEMO

May 11, 2022

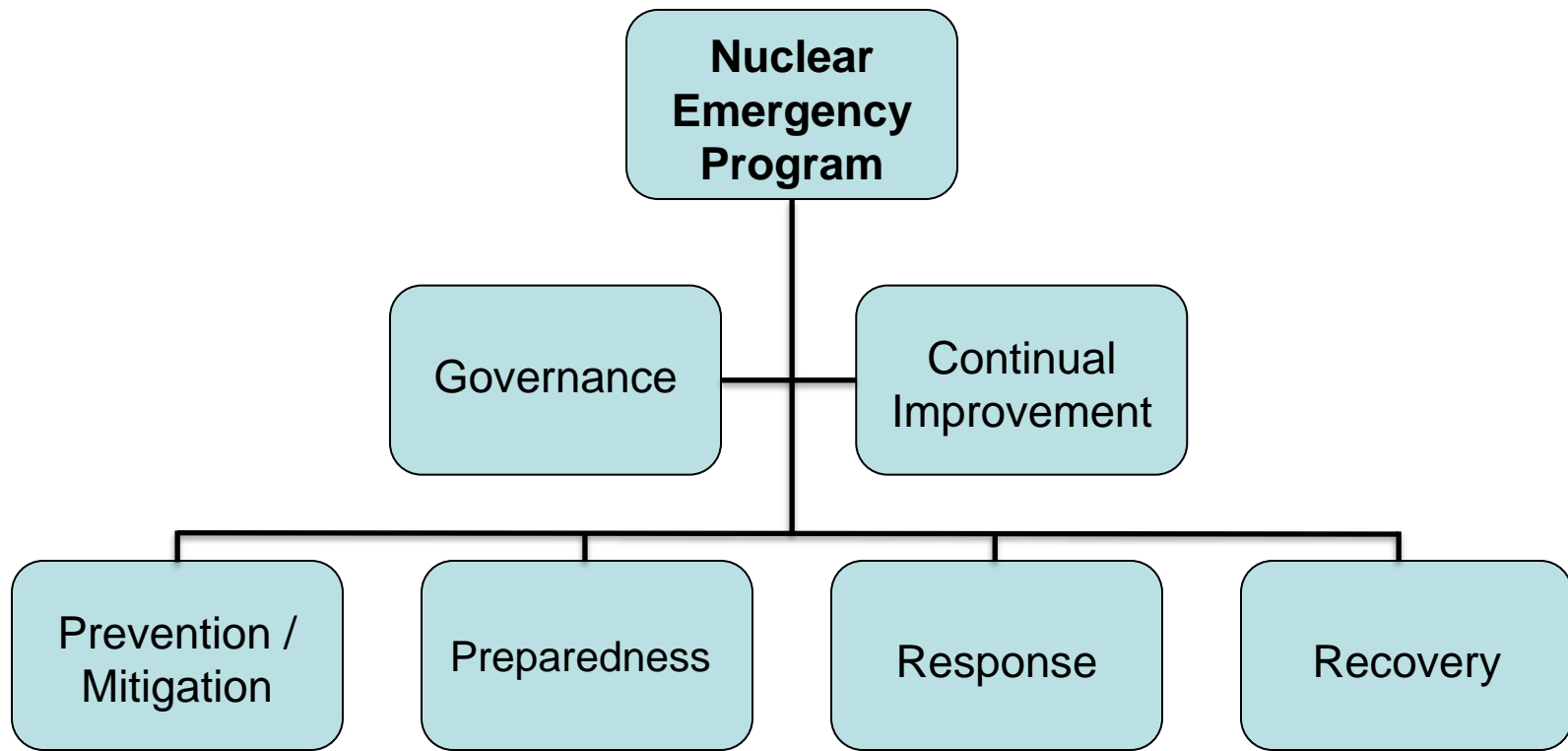
# AIM

**To describe the current arrangements within New Brunswick to prevent and mitigate off-site impacts, and to ensure an effective response to and recovery from a nuclear emergency.**

# Outline

1. Program Design
2. Governance
3. Infrastructure
4. Training & Exercises
5. Public Awareness & Education
6. Concluding Material

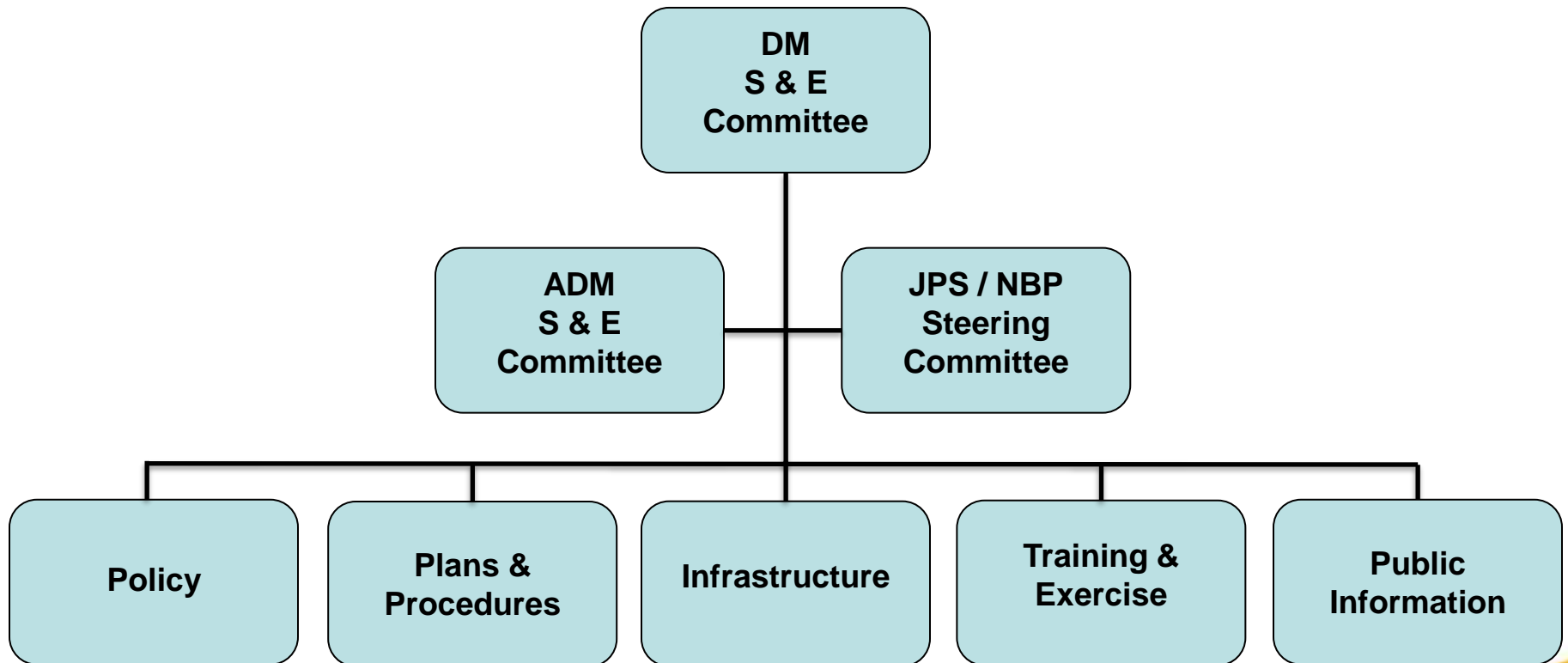
# Architecture



# Program Design

- **New Brunswick is committed to constant rigour, transparency, and continual improvement in our emergency programs.**
- **New Brunswick's program design conforms to international norms for program management, including executive level accountability.**
- **New Brunswick has made significant investments to build capacity and improve competencies to manage any off-site emergency. Shared situation awareness and coordination is effective across jurisdictional boundaries and at all levels of government.**

# Governance Framework



# Governance

## Statutory Authority – Emergency Measures Act

- **Primary: Minister of Justice and Public Safety**

## Accountability

- **Deputy Ministers' Security & Emergency Committee**
- **Assistant Deputy Ministers' Security & Emergency Committee**
- **JPS / NBP Steering Committee**
- **Program Managers**

## Performance Management

- **Internal Evaluation**
- **External Evaluation**
- **Improvement Plan**



# Program Details

Program Standard is CSA Z1600-14, Emergency and Continuity Management Programs.

## Continual improvement Program

- Basis for critical assessment and corrective actions;
- Lessons learned from exercises and operations; and
- AAR process ensures that deficiencies are addressed and opportunities for improvement are undertaken.

## Policy Reviews

- IAEA Technical Guidance
- CNSC and HC Guidance
- EPREV 2019 Report

## Plans and Procedures

- Nuclear Off-site Emergency Plan
- Emergency Public Information Plan

# Program Details

## Telecommunications Systems

- NB Trunked Mobile Radio (TMR) System

## Common Operating Systems

- Sentinel Emergency Command Centre
- Alert Ready

## Situational Awareness

- Accident Reporting and Guidance Operational System (ARGOS)
- Radiological Assessment (Survey)

## Public Warning Systems

- Everbridge Aware
- National Public Alerting System (NPAS)
- Point Lepreau Warden Service

# Infrastructure

## Facilities

- **Provincial Emergency Operations Centre (Fredericton)**
- **Regional Emergency Operations Centres (Saint John, St. George)**
- **Municipal Emergency Operations Centre (Saint John)**
- **Federal Coordination Centre (Fredericton)**
- **Off-Site Emergency Operations Centre (St. George)**

## Communications

- **NB Trunked Mobile Radio (TMR) System.**
- **Redundant radio, telephone, and data links to ensure shared situational awareness and interoperability.**
- **Systems regularly tested.**

# Exercise and Training

## Exercise Synergy Challenge 2021

- Initiated by a cyber incident.
- Over 40 Organizations, including utility, Regional, Provincial, Federal, and International agencies.
- All aspects of On-site and Off-site plans validated.
- A challenging, complex emergency exercise successfully completed, despite constraints imposed by COVID-10 Pandemic Public Health requirements.
- Emergency Management in a hybrid environment incorporating virtual and in-person participation.

# Exercise and Training

## IAW a Joint Five-Year Training Program

- Individual training
- Collective training
- Drills, TTXs, and validation FTXs

**All staff with emergency roles (tactical teams, reception centres, operations centres, technical and communications teams) undertake a continuous regime of individual and collective training for validation on drills and exercises.**

# Public Awareness & Education

Built on a long-standing partnership between NBEMO and NB Power

- **Integrated communications strategies, plans, and activities stringently exercised on Synergy Challenge 2021 Exercise.**
- **Warden Service – visible presence in communities, disseminates information.**
- **NB Power engagement of local communities with Newsletters.**
- **Web presence / Social Media.**
- **NB Power calendar with safety information distributed.**
- **Demographic survey database, updated regularly**
- **KI distribution program includes instructions to all residences.**
- **Multiple Public Alerting Systems**

# Concluding Comments:

- **World Class program.**
- **Excellent ongoing collaboration between NB Power and GNB at all levels.**
- **Compliance with international norms and CNSC regulatory requirements.**
- **Continuous Improvement program.**
- **Dedicated to excellence.**

# Questions?



Thank you!