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**Presentation from
Énergie NB Power**

**Présentation d'
Énergie NB Power**

Status Report on Power Reactors

**Rapport d'étape sur les centrales
nucléaires**

**Update on Primary Heat Transport
Pump Motor Fire**

**Mise à jour au sujet du feu au
moteur de la pompe du circuit
caloporteur primaire**

Commission Meeting

Réunion de la Commission

April 27, 2021

Le 27 avril 2021



Energie NB Power

POINT LEPREAU NUCLEAR GENERATING STATION

Primary Heat Transport Pump Motor Event

CNSC Commission Meeting
April 27, 2021



BACKGROUND

- On February 5, 2021, PLNGS was offline for maintenance.
- At approximately 0430, a fire occurred on Primary Heat Transport Pump(PHT) Motor # 3.
- There was no impact to the employees, public or the environment.
- There are four PHT Pump Motors in total.
- PHT pumps transport the heat from the fuel in the reactor core to the steam generators.



RESPONSE

- PLNGS Emergency Response Team responded as per process.
- Mutual Aid support through Saint John Fire Department and Musquash Fire.
- Organization supported through the Outage Control Center.
- Fire was localized to the braking assembly situated on top of the pump motor.





RESOLUTION ACTIONS TAKEN

- Analysis was conducted to determine the cause of fire and extent of condition:
 - cause was determined to be a failure of the air brake bladder assembly
 - this was related to an issue identified on a previous station restart on January 31, 2021
- Primary Heat Transport Pump Motor #3 was replaced with a spare motor.
- All other pump motor brake assemblies were replaced.
- Post maintenance testing was completed, and the Station was successfully returned to service.
- Preventive maintenance strategy for the pump motor brake assemblies was improved to mitigate future issues/events.