



**NORTHWEST TERRITORIES
LEGISLATIVE ASSEMBLY
TERRITOIRES DU NORD-OUEST
ASSEMBLÉE LÉGISLATIVE**

**MEETING
GO 16-20-24**

STANDING COMMITTEE ON GOVERNMENT OPERATIONS

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**MONDAY, JUNE 10, 2024
DET'ANCHOGH KÚÉ - EAGLE ROOM - YELLOWKNIFE, NT
10:30 AM**

AGENDA

1. Prayer
2. Review and Adoption of Agenda
3. Declarations of Conflict of Interest
4. Public Matters:
 - a. Northwest Territories Power Corporation Briefing with the Hon. Caroline Wawzonek, Minister Responsible for the Northwest Territories Power Corporation
5. In-Camera Matters:
 - i. Debrief
6. New Business
7. Deferred Business
8. Date and Time of Next Meeting: At Call of the Chair
9. Adjournment



Detailed Agenda

Item	Recommend
<p>4. Public Matters:</p> <p style="padding-left: 20px;">a. Northwest Territories Power Corporation Briefing with the Hon. Caroline Wawzonek, Minister Responsible for the Northwest Territories Power Corporation</p> <p style="padding-left: 40px;">Attachment 1 – Opening Remarks</p> <p style="padding-left: 40px;">Attachment 2 – Presentation Deck with Speaking Notes</p> <p>5. In-Camera Matters:</p> <p style="padding-left: 20px;">i. Debrief</p> <p>6. New Business</p> <p>7. Deferred Business</p> <p>8. Date and Time of Next Meeting: At Call of the Chair</p> <p>9. Adjournment</p>	<p>Review/ Discussion</p> <p>Discussion</p>

MINISTER'S SPEAKING POINTS
STANDING COMMITTEE ON GOVERNMENT OPERATIONS
June 10, 2024

- Thank you, Mr. Chair and good morning.
- Today I have with me Mr. Steve Loutitt, Chair of the NTPC Board of Directors, and Mr. Cory Strang, President and CEO of NTPC.
- We are here at the request of Committee to provide a high-level overview of NTPC's operations, including an update on current challenges and opportunities.
- These topics are critical to understanding the context in which NTPC makes operational and capital spending decisions, which are ultimately reflected in rates.
- Committee has specifically asked for an update on the government's plans for NTPC's governance as well as what NTPC is doing to support alternative energy solutions and decarbonize the grid.
- Both these topics will be addressed in this morning's presentation
- With Committee's permission - I would ask that Mr. Strang lead Committee through the Presentation and then we can answer any questions Members may have.
- Thank You, Mr. Chair.

NTPC: An Overview

Alternative Energy and Governance

Presentation to the Standing Committee on
Government Operations

June 10, 2024

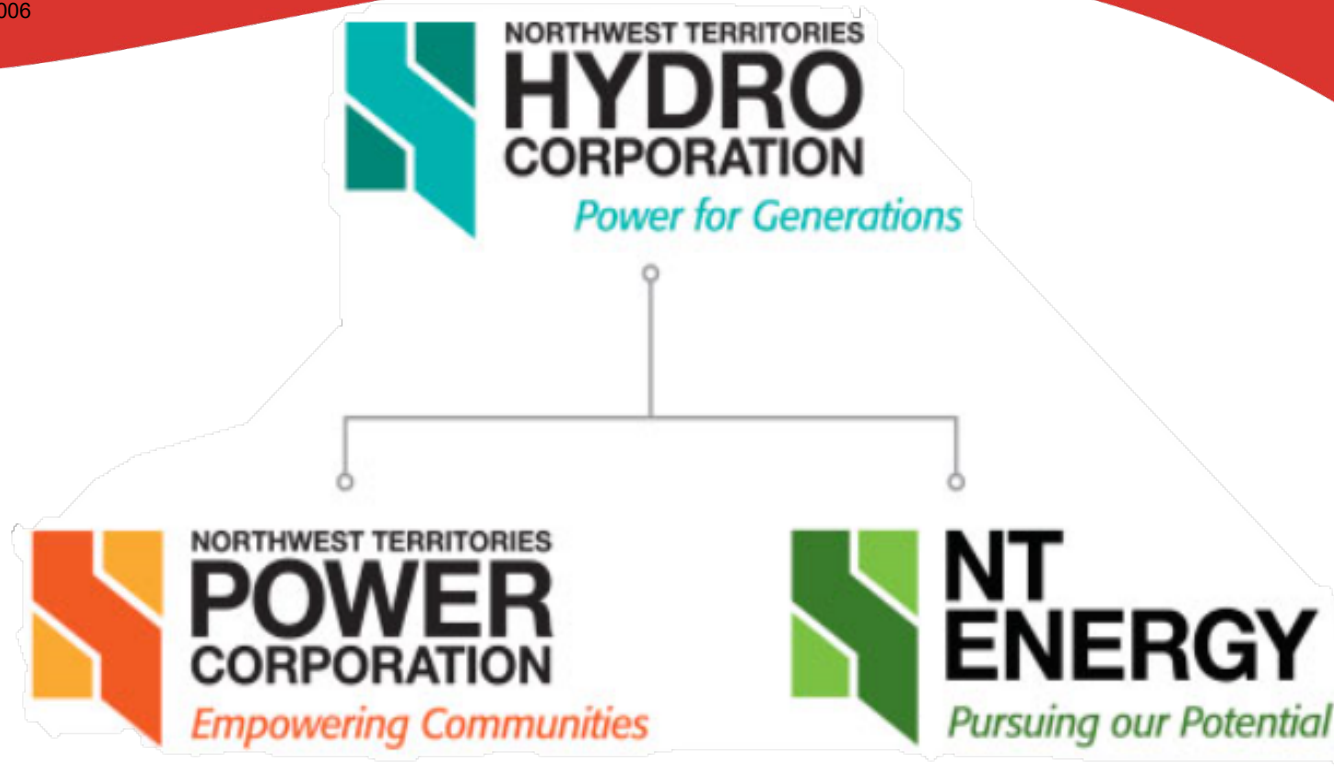


Agenda

1. Overview
2. Challenges
3. Opportunities
4. Governance

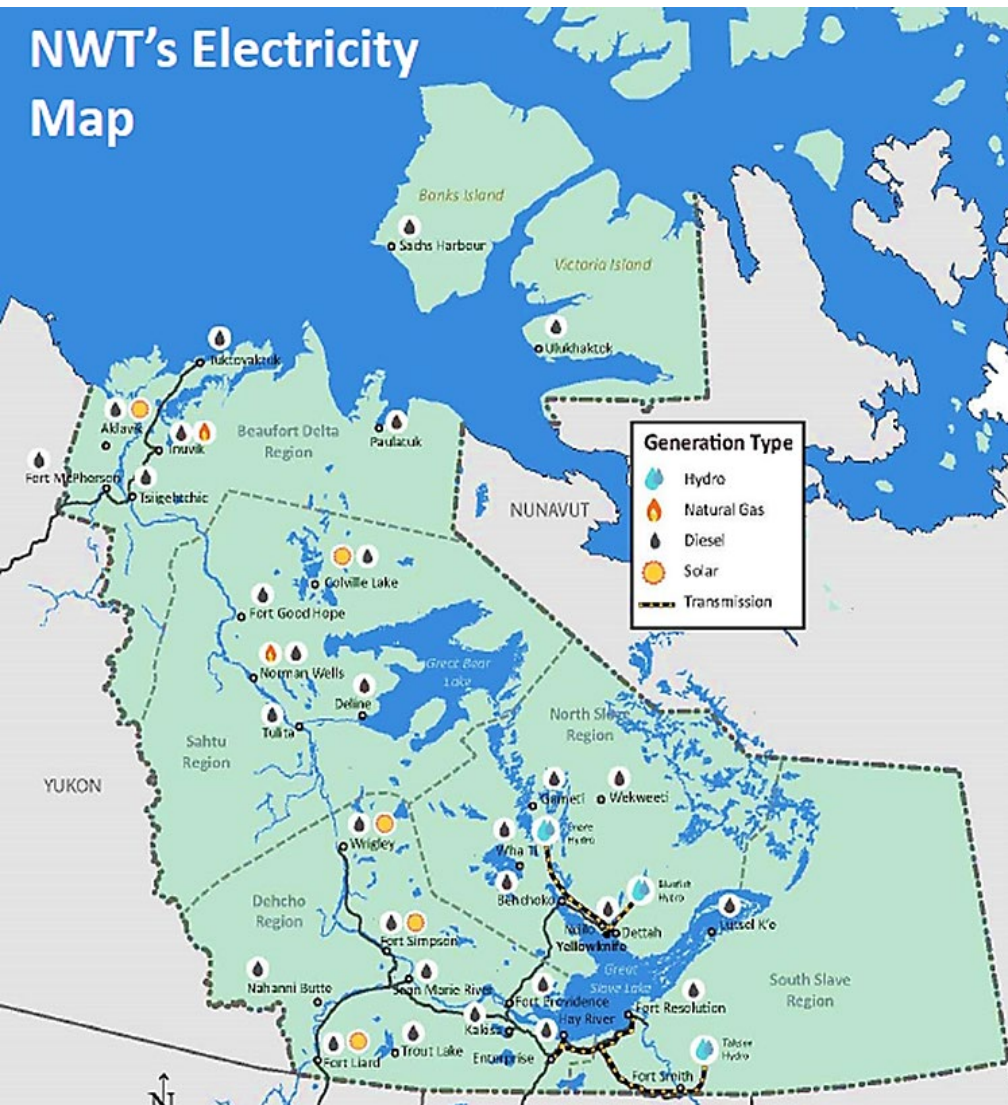


Before and after pictures of vegetation management on Taltson transmission line



- Generates, transmits and distributes electric power
- Regulated by the PUB
- Similar to BC Hydro, Manitoba Hydro, Yukon Energy
- Development agency for non-core utility infrastructure
- Business development
- Undertake integrated resource planning

Overview

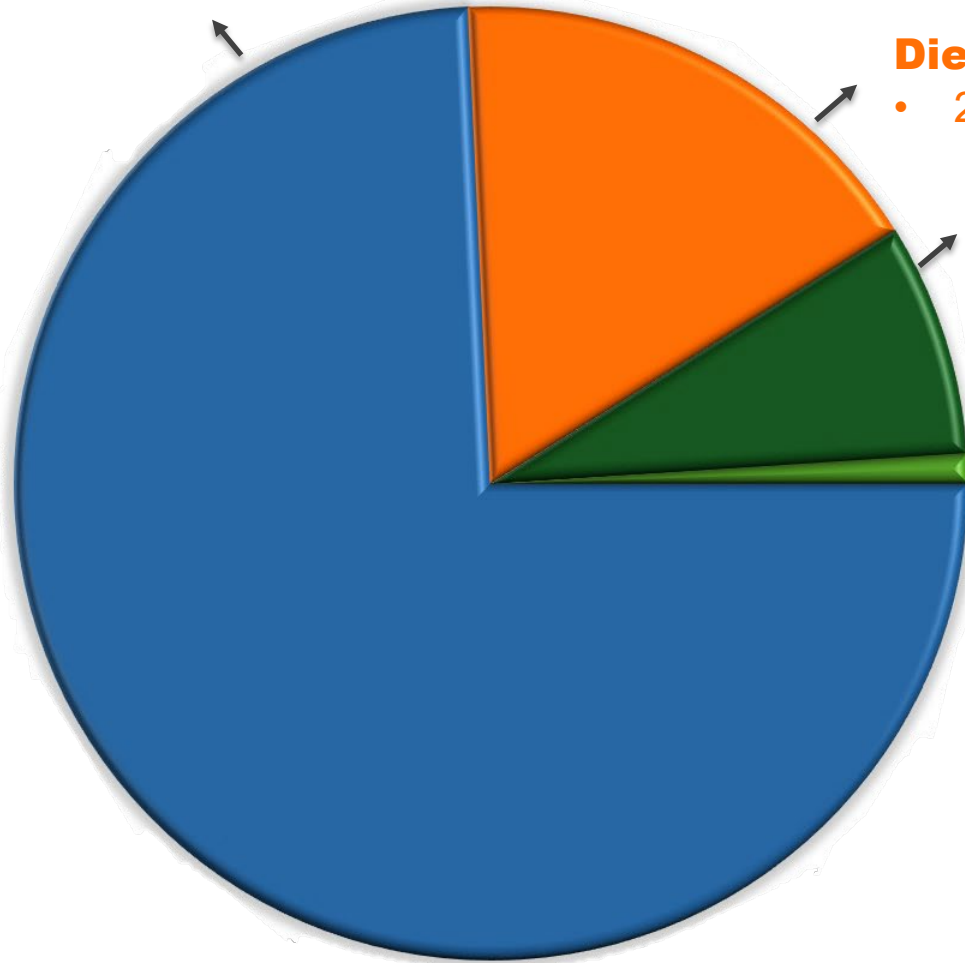


- **NTPC is an isolated, non-integrated system**
 - **Not connected to the continental grid**
 - **2 hydro grids that are not connected to each other**
 - **26 independent communities powered primarily by diesel**

Power Generation

Hydro, 75%

- 9 Hydro Plants on 2 systems
 - All have backup diesel to ensure reliability



Diesel, 17%

- 25 Diesel Plants, including backup

Natural Gas and Purchased Power, 8%

- 1 LNG Plant in Inuvik
- NW Purchased Power

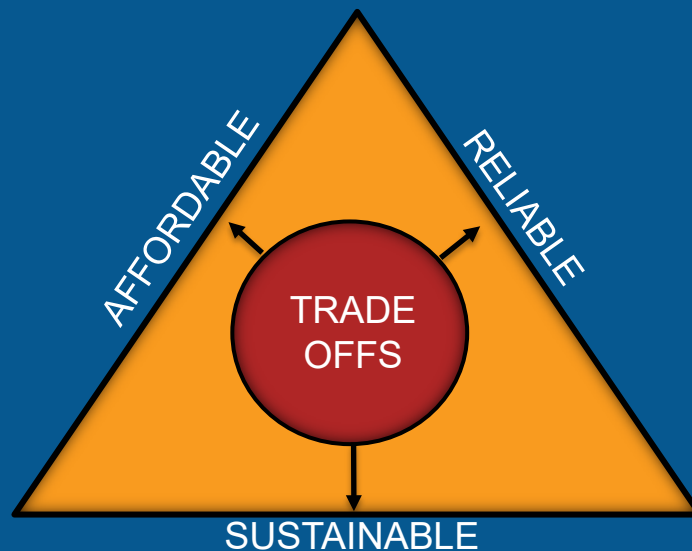
Alternative or Renewable, <1%

- 1 Wind Turbine
- 5 Solar Arrays

- Approximately 300 GWH of sales
- 2 isolated systems with battery energy storage and microgrid controller
- 565 km of transmission
- 375 km of distribution infrastructure

Challenges

1. Extreme Low Water
2. High Fuel Prices
3. Ongoing Challenges
 - Inflation / Flat Sales



Alexandra Falls, Hay River Aug 2023



Extreme Low Water

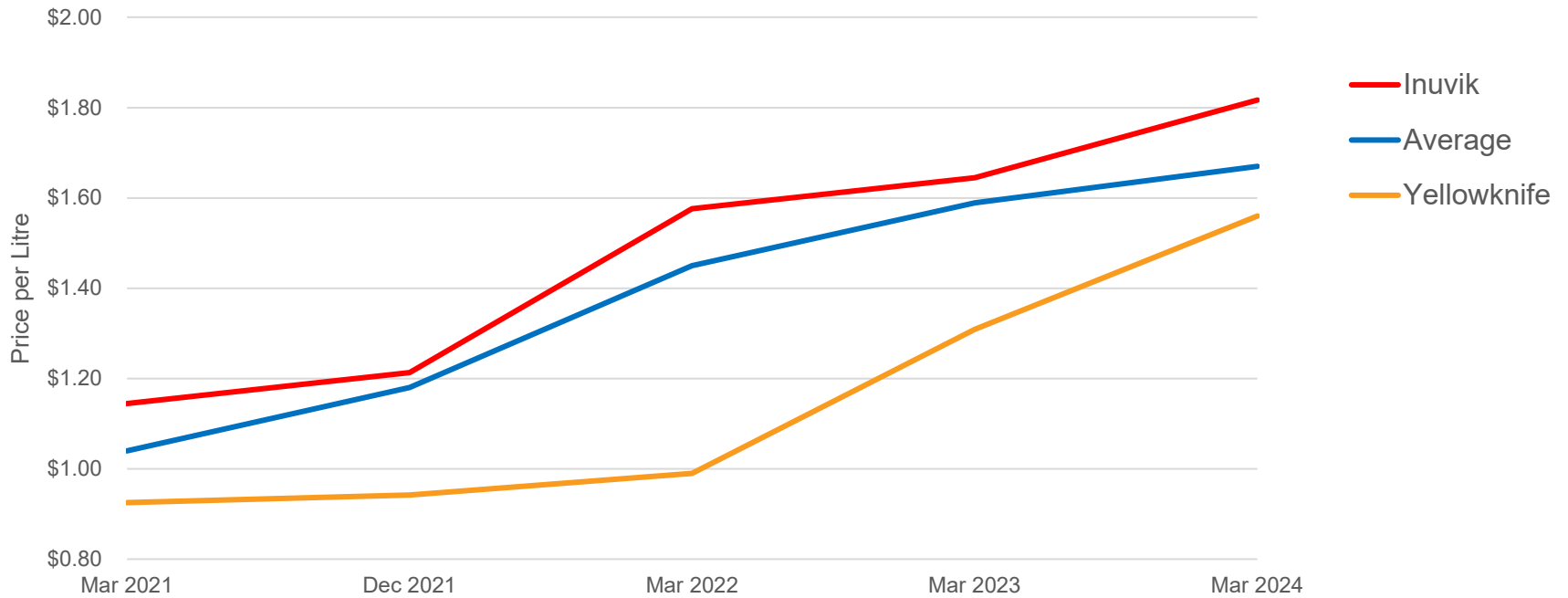
- Under normal conditions NTPC consumes approximately 19 million litres of diesel fuel in a year
- In 2023-24 with low water conditions, NTPC consumed approximately 45 million litres
- In a normal year, approximately 98% of power in Yellowknife and surrounding communities is supplied by the Snare and Bluefish hydro systems

Snare Rapids Headgate

Normal water levels are shown in the **red line** which is 729 feet above sea level. Levels in summer 2023 were 718 feet – *11 feet lower than a normal year.*

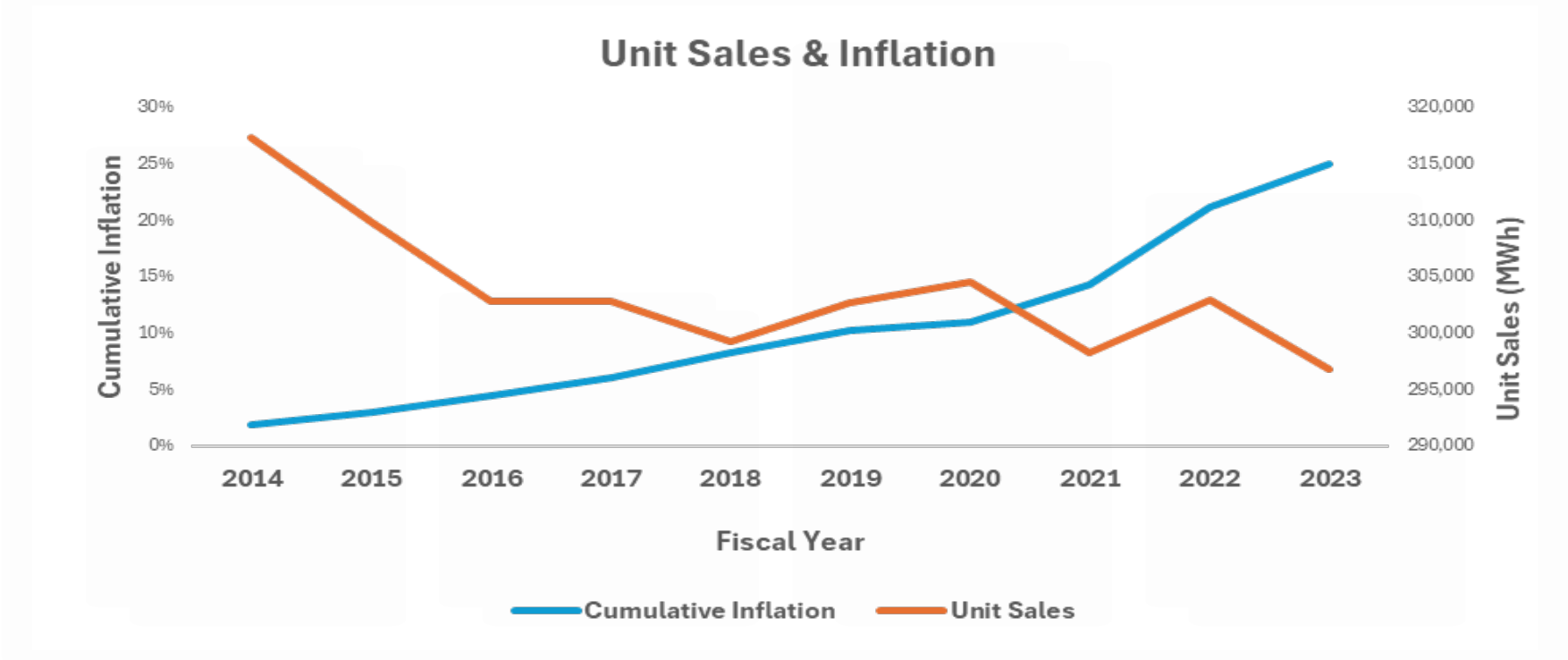
High Fuel Prices

Diesel Price



- Diesel price increased 30-60% since Dec 2021
- Diesel fuel used for electricity generation is exempt from the carbon tax

Inflation / Flat Sales



- Electricity sales are flat or declining – mirror NWT population and economic trends
- Lack of sales growth to keep up with rising costs = higher rates



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Opportunities

1. Progress to Date
2. Future / Underway



Inuvik Wind and Solar Panels

Progress to Date

Strategic Planning

1. Reducing Fuel Consumption

- Increased Liquid Natural Gas Capacity
- Summer Fuels
- New Fuel-Efficient Diesel Generators

2. Invest in Core Assets

- Hydro Overhauls
- High-Efficient Diesel Plants
- Distribution Upgrades







3. Renewables in the North

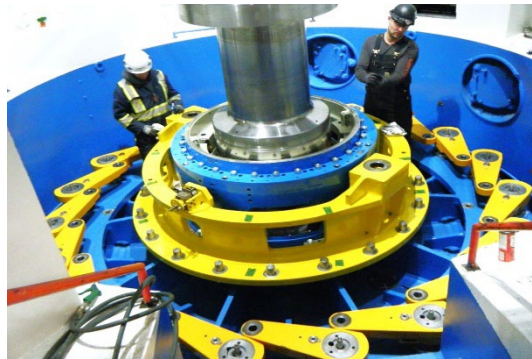
- Inuvik Wind
- Solar
- Battery Energy Storage Systems
- Microgrid Controllers



Sachs Harbour Power Plant Oct 2022

Future / Underway

-  Update of the Snare Zone Resiliency Study
-  Distribution Upgrades
-  NT Energy pursuing business opportunities and engaging with industrial sectors
-  Planning, Partnerships and Growth
-  Funding Opportunities
-  Support for GNWT-funded projects such as Taltson Hydro Expansion and Grid connections



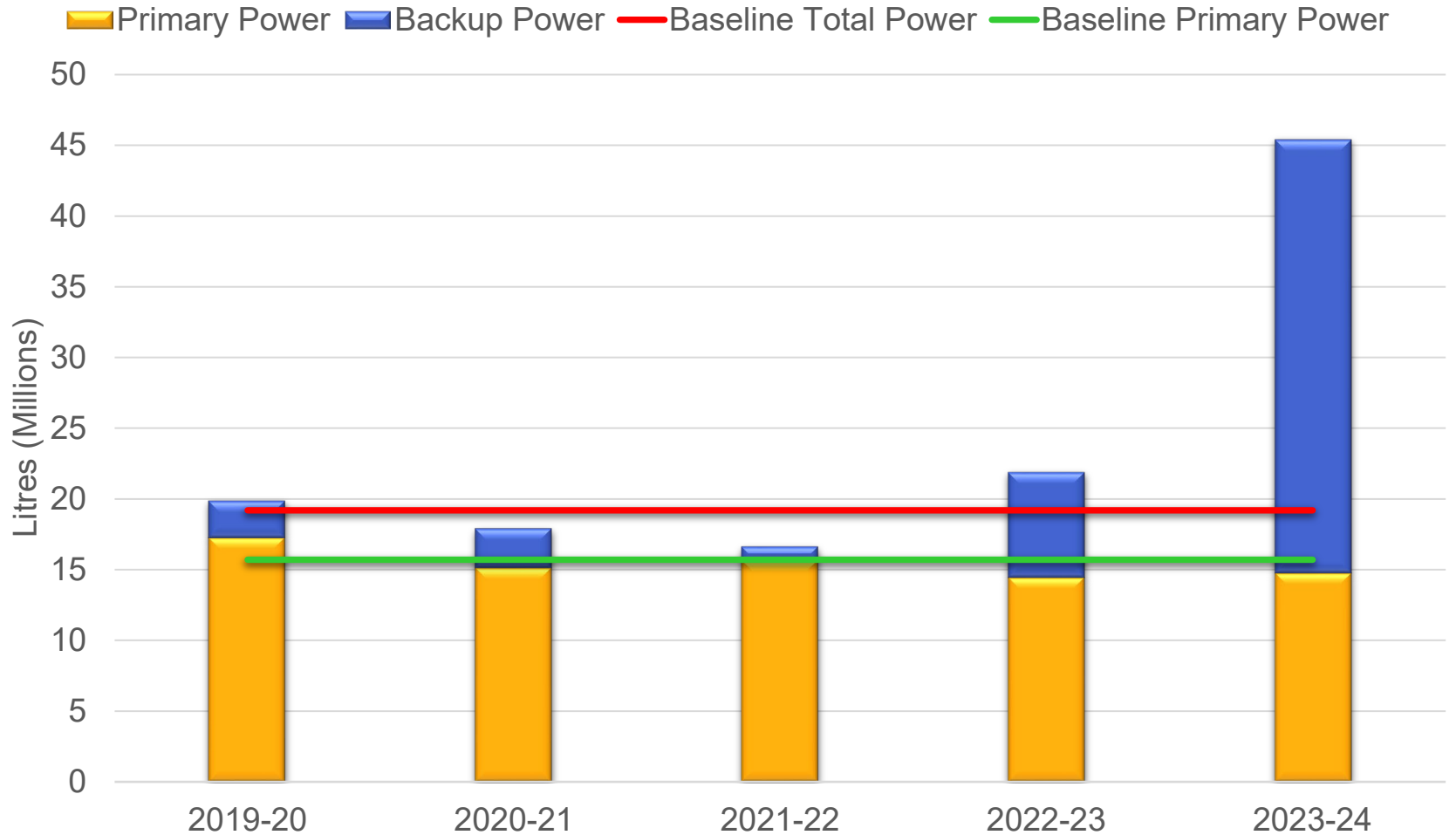
Turbine guide bearing support and wicket gate operating ring installed (October 19, 2023)



Flo EV Charging Station

Measuring Results

Diesel Fuel Consumption



Multiple Layers of Oversight

- Minister Responsible
- Legislative Assembly / Cabinet
- NWT Public Utilities Board
- Office of the Auditor General of Canada
- Other Federal/Territorial Regulatory Agencies
- Board of Directors

Future Board Composition

Hybrid Model:

- **Independents:** introduce external skills, expertise and ideas
- **Officials:** represent Shareholder's interests



Thank you

