CI C0041805

L7005 Replacements and Upgrades

FIN

NON-CONFIDENTIAL
October 6, 2025

Nova Scotia
POWER
An Emera Company

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An Emera Company

NSEB APPROVAL SHEET

Project Title: L7005 Replacements and Upgrades Phase 2

CI Number: C0041805 **Date:** October 6, 2025

Expenditure Profile		
Year	Budget Amount	Project Estimate
2022	1,399,971	1,706,635
2023	1,684,391	1,203,110
2024	98,156	761
2025		(54)
Total	$3,182,518	$2,910,451

Type of Filing

- [ ] Capital Project Authorization
  - [ ] Unforeseen and Unbudgeted (U&U)
  - [ ] Planned & Advanced (P&A)
  - [ ] Subsequent Approval Item
- [ ] Authorization to Overspend (ATO)
- [ ] Scope Change
- [x] Final Cost (FIN)

COMMENTS

Approved	$3,182,518
Current Submission	$2,910,451
Variance	(272,067)

Submitted on behalf of NOVA SCOTIA POWER INCORPORATED

Approved on behalf of NOVA SCOTIA ENERGY BOARD

Authorized Signatory
Dave Pickles
Chief Operating Officer

DATE
October 1, 2025

DATE

CI Number: C0041805

Title: L7005 Replacements and Upgrades Phase 2

Start Date:	2022/09
In-Service Date:	2022/09
Final Cost Date:	2025/10
Function:	Transmission
Forecast Amount:	$2,910,451

DESCRIPTION:

L7005 is a 159.3 kilometre (740 Structures) 230kV transmission line, built in 1983, that connects 67N Onslow to 3C Port Hastings substations. This project is required to replace deteriorated assets that have been identified through NS Power's transmission line inspection program. The second and final phase of this project includes the replacement of deteriorated assets on approximately 71 structures.

The project scope includes:

- Structure Replacements: 44 Structures
- Insulator Replacements: 7 Structures
- Timber and Insulator Replacements: 15 Structures
- Bond or Guy Wire Replacements: 2 structures
- Other Deteriorated Assets: 3 Structures

Summary of Related CIs +/- 2 years:

Pursuant to Section 11.2 of the CEJC, related CIs for Transmission/Distribution include "Work completed on the same asset class (Padmount transformers, Breakers, etc.) or in the same location (feeder, Transmission Line)."

- 2020 CI C0021106 L7005 Replacements and Upgrades Phase 1 $3,576,991

Depreciation Class:	Transmission Plant- Poles and Fixtures Transmission Plant- Overhead Conductors and Devices

Estimated Life of the Asset: 45 years

Retirement Information:

- Categorization of Retirement: Accounting Policy 6420 - Retirement and Disposal of Capital Assets
- Percentage of Asset Pool: 0.21%

JUSTIFICATION:

Justification Criteria: Transmission Plant

Sub Criteria:

Why do this project?

The transmission line inspection program identified deteriorated assets that require replacement to avoid transmission interruptions. Failure to complete this project would compromise the reliable operation of this line. Asset failures on this line would decrease system redundancy resulting in a reduction of corridor transfer capacity.

Why do this project now?

This work has been prioritized based on the condition of the transmission line assets as determined through NS Power's transmission line inspection program results, as well as the criticality of the line to the overall system operation. This project is required to support the reliable operation of the transmission line.

This project is deemed in-service when the first portion of the work is complete (May 2022), therefore the Final Cost Date (December 2023) is listed as six months after the final work is completed (June 2023).

Why do this project this way?

Replacing the existing deteriorated assets is the only technically feasible option to accomplish the intended scope of this project.

Reason for Variance

The decrease of $272,067 from the approved budget in the 2022 ACE Plan of $3,182,518 is primarily due to reduced access matting costs. These savings were achieved by using alternative access routes, which allowed equipment and materials to travel to the site in a more cost-effective manner. The cost reductions were partially offset by increases in overtime labour and materials.

This project was placed in service when the first portion of the work was completed in September 2022, and the final work was completed in September 2024. The initial estimate forecasted work to begin in May 2022 and be completed by June 2023. The deviation from the original timeline was due to transmission line outage availability and other ongoing critical generation and transmission work.

NS Power acknowledges the delay of this FIN application and endeavors to provide timely capital work order submissions to the NSEB, and to provide notice of outstanding FINs through its capital quarterly reporting, as it did with this project. Construction was completed in September 2024, but final invoicing activities continued and were completed in February 2025. This application was further delayed as file recovery was required as a result of the recent cyber incident.

Please refer to the variance sheet for more details.

C0041805 - L7005 Replacements and Upgrades Phase 2				
Account	**Approved**	**Current Submission**	**Variance**	**Reason for Variance**
Regular Labour	42,620	27,459	(15,161)	A reduction in labour occurred due to project efficiencies via contract management.
Overtime Labour		33,181	33,181	Overtime labour was required outside normal working hours to adhere to transmission line outage constraints. Transmission line isolation and return switching was also required outside normal working hours to adhere to transmission line outage constraints.
Term Labour		65	65	
Term Labour-Overtime		1,459	1,459	
Travel Expense		1,122	1,122	
Materials	418,246	787,711	369,465	Larger poles and additional hardware were required following engineering and execution review.
Contracts	1,964,077	1,702,936	(261,141)	A reduction in contract cost occurred due to efficiencies gained throughout utilizing alternative access routes and a reduction in access matting.
Freight Postage Delivery		5,692	5,692	Cost to deliver material to site.
Meals		2,015	2,015	
Other Goods and Services	363,741		(363,741)	Contigency was partially allocated to increased costs in materials, with the remainder unusued due to efficiences gained throughout the project.
Vehicle Allocated Costs	17,087	17,880	793	
Admin Overheads	30,931	34,225	3,293	Increased overtime resulted in increased admin overhead.
Contractor Admin Overhead	345,815	311,057	(34,759)	Reduced contract spend resulted in a reduction of overhead.
Other Income Salvage		(14,351)	(14,351)	
Total	3,182,517.80	2,910,451	(272,067)	