CI C0030984

IT - Cisco UCS Lifecycle

FIN

NON-CONFIDENTIAL

August 5, 2025

Nova Scotia
POWER
An Emera Company

Nova Scotia POWER
An Emera Company

NSEB APPROVAL SHEET

Project Title: IT - Cisco UCS Lifecycle

CI Number: C0030984 **Date:** August 5, 2025

Expenditure Profile		
Year	Budget Amount	Project Estimate
2022	616,396	616,396
2023	1,427,533	1,315,915
2024	412,681	156,687
2025		
Total	2,456,609	$2,088,998

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	$2,456,609
Current Submission	$2,088,998
Variance	-$367,611

Submitted on behalf of NOVA SCOTIA POWER INCORPORATED

Authorized Signatory
Dave Pickles
Chief Operating Officer

DATE
August 5, 2025

Approved on behalf of NOVA SCOTIA ENERGY BOARD

DATE

CI Number: C0030984

Title: IT – Cisco UCS Lifecycle

Start Date: 2022/04
In-Service Date: 2024/02
Final Cost Date: 2025/08
Function: General Plant
Forecast Amount: $2,088,998

DESCRIPTION:

This project will architect, purchase, configure, and replace the end-of-life B200 M4 Blades and 6200 Series Fabric Interconnect assets in NS Power's current Cisco Unified Computing System (UCS) compute environment. The equipment in scope is located at the Atlantic Data Center (ADC) and Lower Water Street (LWS) and supports critical NS Power applications such as Geographic Information System (GIS), Business Intelligence Applications (BIA), Public Key Infrastructure (PKI), Work and Asset Management (WAM), ServiceNow, and SQL databases.

Summary of Related CIs +/- 2 years:
Pursuant to Section 11.2 of the CEJC, related CIs for General Plant projects include "work completed on the same asset (application, building, etc.)."

- No other projects in 2021, 2022, 2023, 2024 or 2025

Depreciation Class: General Plant – Office Furniture & Equip - Computer Hardware

Estimated Life of Asset: 6 years

Retirement Information:

- Categorization of Retirement: Accounting Policy 6420 - Retirement and Disposal of Capital Assets
- Percentage of Asset Pool: 3.2%

JUSTIFICATION:

Justification Criteria: Information Technology and Hardware System

Sub Criteria: Technical

Why do this project?

This project is required as part of the lifecycle replacement of NS Power's enterprise compute platform that is approaching end of support/end of life in February/March 2024. Most of NS Power's existing applications and workloads reside within this on-premises compute environment.

Why do this project now?

The existing UCS components are approaching end of support/end of life, and an upgrade is necessary to maintain support of the environment and the critical applications that depend on it. Completing this lifecycle replacement now will ensure support is maintained on the physical hardware and avoid the security risks posed by the end of life date. NS Power has maximized the existing hardware's life, but in order to meet the February/March 2024 end of life date, replacement is required now.

Why do this project this way?

In addition to risk avoidance, the replacement of the end-of-life Cisco UCS components will extend the life of the on-premises computer environment and reduce support costs with the managed service provider. This project will reduce the overall computer footprint by purchasing fewer, larger servers. NS Power will keep the existing architecture as well as dependent components that are not end-of-life.

Alternative platforms were not considered in this evaluation as Cisco UCS is NS Power's corporate standard. It is fit for purpose for the NS Power requirements and given the lifecycle timeline and the team's working knowledge of the environment, is the best technically feasible solution.

For these reasons, keeping the same hardware vendor, and leveraging NS Power's existing Cisco and OnX Preferred Vendor Contracts will allow for minimal organizational change as it relates to this project.

Reason for Variance - FIN

This project was underspent by $367,611 compared to the approved budget of $2,456,609 for a total of $2,088,998. The variance is primarily driven by un-utilized contingency. Additionally, less internal labour was required, as the level of employee time required to support this project was less than originally budgeted.

CI C0030984 - Cisco UCS Lifecycle				
Account	**Approved**	**Current Submission**	**Variance**	**Reason for Variance**
Regular Labour	127,750	82,510	(45,240)	Regular labour decreased due to less employee effort being required to implement the project.
Overtime Labour		419	419	
Contracts	-	2,162	2,162	A power availability issue at the ADC required a contractor to look at the breaker as the new blades consumed more power than specified by the product specs.
Consulting	95,459	100,700	5,241	
Computer Hardware	1,774,876	1,780,424	5,548	Driven by an additional 5 meter cable being required which was not planned.
Other Goods and Services	299,713	-	(299,713)	Forecasted contingency was not required to complete this project.
Admin Overheads	72,388	44,029	(28,359)	Due to the reduction in labour, less labour AO was required.
AFUDC Interest	86,424	78,753	(7,671)	Labour costs were less than expected and resulted in reduced AFUDC.
Total	2,456,609	2,088,998	(367,611)	