



Niagara
on-the-Lake
HYDRO

COST OF SERVICE RATE APPLICATION

EB-2023-0041





Exhibit 1 - Administrative Documents

2.1.2 Application Summary and Business Plan	5
2.1.2.1 Executive Summary	5
2.1.2.2 Business Plan	17
2.1.2.4 Application Summary	20
2.1.2.4A Revenue Requirement	20
2.1.2.4B Load Forecast	22
2.1.2.4C Rate Base and Distribution System Plan	24
2.1.2.4D Operations, Maintenance & Administration Expense	26
2.1.2.4E Cost of Capital	29
2.1.2.4G Deferral and Variance Accounts	33
2.1.2.4H Bill Impacts	37
2.1.3 Administration	38
2.1.3.1 Contact Information	38
2.1.3.2 Legal Representation	38
2.1.3.3 Internet Address and Social Media Accounts	39
2.1.3.4 Statement of Publication	40
2.1.3.5 Statement as to the Form of Hearing Requested	41
2.1.3.7 Changes in Methodologies	41
2.1.3.8 Board Directive from Previous Decisions	42
2.1.3.9 Conditions of Service	42
2.1.3.10 Conditions of Service Rates Confirmation	43
2.1.3.11 Corporate Organization	44
2.1.3.12 Legal Application	47
2.1.4 Distribution System Overview	50
2.1.5 Customer Engagement	54
2.1.5.1 Overview of Customer Engagement	54
2.1.5.1A Ownership	55
2.1.5.1B Customer Accessibility	56
2.1.5.1C Customer Outreach	60
2.1.5.1D Community Involvement	63
2.1.5.1F Customer Surveys	68
2.1.5.1G Letters of Comment	69
2.1.5.2 Application-Specific Customer Engagement	72



2.1.6 Performance Measurement	74
2.1.6.1 Scorecard Results and Analysis	74
2.1.6.1.1 Service Quality	76
2.1.6.1.2 Customer Satisfaction	77
2.1.6.1.3 Safety	77
2.1.6.1.4 System Reliability	78
2.1.6.1.5 Asset Management	80
2.1.6.1.6 Cost Control	80
2.1.6.1.7 Connection of Renewable Generation	81
2.1.6.1.8 Financial Ratios	81
2.1.6.2 PEG Benchmarking	83
2.1.6.3 Activity and Performance Based Benchmarking	86
2.1.7 Facilitating Innovation	93
2.1.8 Financial Information	96
2.1.9 Distributor Consolidation	98
2.1.10 Impacts of COVID-19 Pandemic	101
Appendices	102
Appendix 1A	NOTL Hydro Distribution Licence
Appendix 1B	Executive Certificate
Appendix 1C	Business Plan
Appendix 1D	Bill_Impact tables filed in excel
Appendix 1E	2019 Final Customer Satisfaction report
Appendix 1F	2021 Final Customer Satisfaction report
Appendix 1G	2023 Final Customer Satisfaction report
Appendix 1H	Open House Customer Survey Responses
Appendix 1I	2020 ESA Safety Survey Report
Appendix 1J	2022 ESA Safety Survey Report
Appendix 1K	NOTL_2024_Benchmarking_Spreadsheet_Forecast_Model_(2022_OEB_Model) filed in excel

Exhibit 2 - Rate Base and Capital

2.2.0 Executive Summary	3
2.2.1 Rate Base	5
2.2.1.1 Rate Base Overview	5
2.2.1.2 Rate Base	6
2.2.2 Fixed Assets	8
2.2.2.1 Fixed Asset Continuity Schedule	8
2.2.2.2 Gross Assets Variance Analysis	15
2.2.2.3 Disposals	28
2.2.4 Depreciation, Amortization and Depletion	29
2.2.5 Allowance for Working Capital	30
2.2.5.1 Derivation of Working Capital	30
2.2.6 Distribution System Plan	36
2.2.7 Policy Options for the Funding of Capital	36
2.2.8 Addition of Previously Approved ACM and ICM Project Assets to Rate Base	36
2.2.9 Capitalization	36
2.2.9.1 Capitalization of Overhead	37
2.2.10 Cost of Eligible Investments for the Connection of Qualifying Generation Facilities	37
Appendix	38
Appendix 2A	NOTL Hydro Distribution System Plan
Appendix 2B	NOTL Hydro Capitalization Policy



Exhibit 3 - Customer and Load Forecast

2.3.1 Customer and Load Forecast	3
Introduction	3
Proposed Load Forecast	3
Overview of Load Forecast Methodology	4
Customer Count	5
Residential Customer Count Forecast	6
GS < 50 kW Customer Count Forecast	7
GS > 50 kW Customer Count Forecast	7
Unmetered Load	8
Streetlights	8
Large Use	8
Power Purchases	8
Weather and Time of Year Factors	9
Multivariate Regression Model	12
2.3.2 Accuracy of Load Forecast and Variance Analysis	13
Customer Counts	13
Customer Load	15
Customer Demand	16
Appendix	17
Appendix 3A	Notlh_2024_load_forecast_model_20230427 Filed in Excel



Exhibit 4 - Operations, Maintenance & Administration

2.4.1 Overview	3
2.4.2 OM&A Summary and Cost Driver Tables	14
2.4.3 OM&A Variance Analysis	19
2.4.3.1 Workforce Planning and Employee Compensation	26
2.4.3.2 Shared Services and Corporate Cost Allocation	34
2.4.3.3 Purchases of Non-Affiliate Services	38
2.4.3.4 One-time Costs	39
2.4.3.5 Regulatory Costs	40
2.4.3.6 Low Income Energy Assistance Programs (LEAP)	41
2.4.3.7 Charitable and Political Donations	41
2.4.4 Conservation and Demand Side Management Costs	42
Appendix	43
Appendix 4A	Collective Agreements
Appendix 4B	OPEB Actuarial Report
Appendix 4C	NOTL Purchasing Policy

Exhibit 5 - Cost of Capital

2.5.1 Capital Structure.	3
OEB Appendix 2-OA Cost of Capital	5
OEB Appendix 2-OB Cost of Debt Instruments	8
2.5.2 Cost of Capital (Return on Equity and Cost of Debt)	10
Return on Equity	10
Weighted Average Cost of Debt.	10
Long Term Debt	10
Short Term Debt.	12
Notional Debt	12
Historical Return on Equity	13
2.5.3 Not-For-Profit	13
Appendix	14
Appendix 5A	Original Promissory Note and Current Repayment Schedule
Appendix 5B	Promissory Note – Transformer
Appendix 5C	Promissory Note – Capital Projects



Exhibit 6 - Revenue Requirement and Revenue Deficiency or Sufficiency

2.6.1 Calculation of Revenue Requirement. 3

 Rate of Return 4

2.6.2 Payment in Lieu of Taxes and Property Taxes 10

2.6.3 Other Revenue 14

 Total Other Revenue 14

 Proposed Changes to Specific Service Charges. 17

Appendix 19

Appendix 6Anotlh_2024_rev_reqt_workform_(oeb_2023_model) – Filed in Excel

Appendix 6Bnotlh_2024_test-year_income_tax_pils_(2023_oeb_model) – Filed in Excel



Exhibit 7 - Cost Allocation

2.7.1 Cost Allocation Study Requirements 3

 2.7.1.1 Load Profiles and Demand Allocators 3

 2.7.1.2 Specific Customer Classes 7

2.7.2 Class Revenue Requirements 9

2.7.3 Revenue-to-Cost Ratios 10

2.7.4 NOTL Hydro Load Profile Results 11

Appendix 13

Appendix 7A NOTLH_2024_Cost_Allocation_Model_)OEB_2023_Model) – filed in excel



Exhibit 8 - Rate Design

2.8.0 Significant Rate Modifications	3
2.8.1 Fixed/Variable Proportion	5
2.8.2 Retail Transmission Service Rates (RTSRs)	7
2.8.3 Retail Service Charges	11
2.8.4 Regulatory Charges	11
2.8.5 Specific Service Charges	12
Pole Rental Charge	14
Transformer Allowance	14
2.8.6 Low Voltage Service Rates	15
2.8.7 Smart Meter Entity Charge	15
2.8.8 Loss Adjustment Factors	15
2.8.9 Tariff of Rates and Charges	17
2.8.10 Revenue Reconciliation	18
2.8.11 Bill Impact Information	20
2.8.12 Rate Mitigation	21
2.8.13 Rate Harmonization Mitigation Issues	21
Appendix	22
Appendix 8A	NOTL Hydro's existing rate schedule
Appendix 8B	NOTL Hydro's proposed rate schedule based 2024 Test Year data
Appendix 8C	NOTL Hydro's proposed 2025 base rates
Appendix 8D	NOTLH_2024_Tariff-Schedule_and_Bill_Impact_Model – filed in excel
Appendix 8E	NOTLH_2024_RTSR_Workform_(OEB_2023_Model) – filed in excel



Exhibit 9 - Deferral & Variance Accounts

2.9.0 Status & Disposition of Deferral & Variance Accounts	3
2.9.0.1 Overview	3
2.9.0.2 Summary Table of Active Deferral Accounts with Balances	4
2.9.0.3 Accounts not Proposed for Disposition	5
2.9.0.4 Group 2 Account Proposed to be Discontinued	5
2.9.0.5 Compliance with the Accounting Procedures Handbook (APH)	6
2.9.0.6 DVA Continuity Schedule	6
2.9.0.7 Reconciliation with RRR Reporting	6
2.9.0.8 DVA Balances Previously Approved by the OEB	8
2.9.0.9 Carrying Charges	8
2.9.1 Disposition of Deferral and Variance Accounts	9
2.9.1.0.1 DVA Allocators	9
2.9.1.0.2 Rate Riders and Disposition Period	9
2.9.1.0.3 Determination of Group 2 Balances	9
2.9.1.1 Disposition of Accounts 1588 and 1589	17
2.9.1.1.0 GA Workform	17
2.9.1.2 Disposition of Account 1580 sub-account CBR Class B	18
2.9.1.3 Disposition of Account 1595	20
2.9.1.4 Disposition of Retail Service Charges Related Accounts	20
2.9.1.5 Disposition of Account 1592, Sub-account CCA Changes	21
2.9.1.6 Disposition of Account 1509 Impacts Arising from the COVID-19 Emergency	21
2.9.1.7 Disposition of Account 1508, Sub-account Pole Attachment Revenue Variance	22
2.9.1.8 Disposition of Distributor Specific 1508 Account, Sub-account Large Use Variance	22
2.9.2 Request for New Accounts	22
2.9.3 Lost Revenue Adjustment Mechanism Variance Account	23
2.9.3.1 Disposition of the LRAMVA	23
2.9.3.2 Continuing Use of the LRAMVA for New CDM Activities	23
2.9.4. Certification of Evidence	23
Appendix	24
Appendix 9A	Draft Accounting Order – Large Use Customer Revenue Account
Appendix 9B	NOTLH_2024__DVA_Continuity_Schedule_CoS_(2023_OEB_Model) – filed in excel
Appendix 9C	NOTLH_2024_GA_Analysis_Workform_(2023_OEB_Model) – filed in excel