



# North Shore Wastewater Treatment Plant Program



## Financial Backgrounder

The North Shore Wastewater Treatment Plant Program is one of the largest infrastructure projects in Metro Vancouver's history. Since planning began, the program's estimated cost has changed, along with how its costs are shared across the region.

### Key Financial Milestones

- 2013: Initial cost estimate of \$700 million
- 2017: Federal and Provincial governments committed \$405.3 million in funding
- 2017: Design-build-finance contract for the WWTP awarded; budget updated to \$780 million
- 2021: Cost estimate increased to \$1.06 billion following design-build-finance contractor negotiations
- 2022: Original design-build-finance construction contract for the WWTP terminated
- 2024: Program cost estimate reset to \$3.86 billion
- 2024: Target cost contract executed with PCL for \$1.95 billion to complete construction of the treatment plant
- 2026: Metro Vancouver provided with a \$235 million settlement from the former contractor

The overall costs of the North Shore Wastewater Treatment Plant Program apply to three components:

- The new treatment plant (under construction)
- Conveyance infrastructure, including the First Narrows Pump Station (complete) and conveyance pipes (partially complete)
- Preliminary design for decommissioning the existing Lions Gate Wastewater Treatment Plant (to occur when the new plant is complete)

Additional information about the North Shore Wastewater Treatment Plant Program is available at [metrovanancouver.org/nswwtp](https://metrovanancouver.org/nswwtp).

The program web page shares [updates and monthly status reports](#), including program spend to date.

The Greater Vancouver Sewerage and Drainage District (GVS&DD) oversees the planning and management of the region's wastewater collection and treatment, including wastewater treatment plant upgrades and expansions.

# Sewerage Areas and Cost Apportionment

Metro Vancouver’s *GVS&DD Cost Apportionment Bylaw* ([metrovancover.org/boards/bylaws](https://metrovancover.org/boards/bylaws)) determines how liquid waste service costs are distributed among residents across the region.

Projects that primarily serve one sewerage area are generally paid for by residents of that sewerage area through their utility rates. However, because the North Shore Wastewater Treatment Plant will benefit the entire region by protecting the region’s marine environment, some of its costs are shared across all Metro Vancouver sewerage areas.

## Sewerage Areas



## Allocation of Liquid Waste Costs (under the *Cost Apportionment Bylaw*)

| Category       | Expenditure                                                                                 | Host Sewerage Area Costs | Region-wide Costs                |
|----------------|---------------------------------------------------------------------------------------------|--------------------------|----------------------------------|
| Operating      | All operating costs                                                                         | 100%                     | N/A                              |
| Tier 1 Capital | Conveyance system capital costs (primary treatment portion of North Shore WWTP)             | 100%                     | N/A                              |
| Tier 2 Capital | Treatment plant capital costs (preliminary/secondary treatment portion of North Shore WWTP) | 30%                      | 70% including host sewerage area |
| Tier 3 Capital | Tertiary filtration and resource recovery capital costs                                     | N/A                      | 100%                             |

## Future Exploration of Single Sewerage Area

At its July 2026 meeting, the GVS&DD Board directed staff to report back with options for a staged transition to a single sewerage rate structure that is consistent across the region. This could change how costs are allocated to sewerage areas for capital projects, including the North Shore Wastewater Treatment Plant Program.

## Program Cost Sharing

### Initial Cost Estimates

The initial program cost estimate was \$700 million, which was updated to \$1.06 billion in 2021. These costs, net of external revenues received — such as grants and the legal settlement — will be collected from ratepayers under the original cost allocation formula which was in place at the time.

- North Shore Sewerage Area: 46%
- Other three sewerage areas combined: 54%

### Cost Increase: Additional \$2.8 Billion

For the 2024 reset from \$1.06 billion to \$3.86 billion, the GVS&DD Board approved an amended allocation formula.

Under the revised approach, households in the Vancouver, Lulu Island West, and Fraser sewerage areas will contribute an additional \$10 per household per year above the regular allocation. This decision spread the cost and reduced the average household impact for North Shore residents. The levy collected for the additional amount is maintained in an interest-bearing reserve for each sewerage area and applied to the program as required.

- North Shore Sewerage Area pays: 37% of the increased costs
- Other sewerage areas pay: 63% of the increased costs

### Cost Apportionment Breakdown

|                                | Original Cost Apportionment<br>(\$1.06B) | Apportionment for Additional<br>Cost (\$2.8B) |
|--------------------------------|------------------------------------------|-----------------------------------------------|
| Vancouver Sewerage Area        | 21.5%                                    | 23.7%                                         |
| North Shore Sewerage Area      | 45.7%                                    | 37.3%                                         |
| Lulu Island West Sewerage Area | 3.9%                                     | 4.9%                                          |
| Fraser Sewerage Area           | 28.9%                                    | 34.1%                                         |
|                                | 100%                                     | 100%                                          |

## Program Amortization

The North Shore Wastewater Treatment Plant will serve the region's residents for generations, and its costs are allocated to reflect the long-term benefits it will provide to both current and future residents.

**Amortization** is the process of paying off debt, including principal (the amount of money borrowed) and interest (the cost of borrowing money), over time. Typically, the longer the period of amortization, the lower the annual payments but the higher overall interest over time. Generally speaking, larger dollar amounts are amortized over a longer period of time to balance annual affordability against interest costs.

In 2021, the GVS&DD Board approved the North Shore members paying for their portion of the North Shore Wastewater Treatment Plant Program costs over 30 years. Prior to 2021, all borrowing for the program was for a 15 year amortization period. The other three sewerage areas maintained an amortization period of 15 years.

In 2026, the GVS&DD Board revised the Metro Vancouver Financial Management Policy to modify the amortization period to 30 years for capital projects over \$1 billion and to 20 years for all other capital projects. As a result, all future borrowing for the North Shore Wastewater Treatment Plant Program will use a 30-year amortization period, for all sewerage areas.

## Impact on Households for Liquid Waste Services

Estimated average household impact for liquid waste services by sewerage area is shown in the following tables. Estimated rates include other liquid waste levies for operating and capital program costs required to operate and manage the region's wastewater system.

Note that the household impact is based on the [2026 Budget and 2026 to 2030 Financial Plan](#), and is modified annually based on updated budget and cash flow projections.

Metro Vancouver does not directly bill residents for sewer services, and actual charges may vary depending on how individual member jurisdictions distribute costs through their utility billing systems.

### How Average Household Impact is Calculated

Household impact is calculated based on the estimated residential portion of total levy divided by the projected number of households. There is more nuance to the actual billing; however, this gives us a good sense of how the average levy impact is affecting residents over time.

### North Shore Sewerage Area

At the request of North Shore members, the GVS&DD Board decided to phase in the additional costs of the North Shore Wastewater Treatment Plant Program over five years to reduce the short-term financial impacts on the North Shore Sewerage Area. From 2025 to 2029, household costs in the North Shore Sewerage Area will increase on average by \$118 per year to cover the additional program cost, until reaching approximately \$590 per household by 2029.

|                                              | 2024         | 2025         | 2026         | 2027           | 2028           | 2029           | 2030           |
|----------------------------------------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|
| NSWWTP Original Cost (\$1.06B)               | \$124        | \$208        | \$78         | \$113          | \$112          | \$110          | \$108          |
| Additional Cost (\$2.8B)                     | -            | \$118        | \$236        | \$354          | \$472          | \$590          | \$590          |
| Application of Settlement                    | -            | -            | -            | (\$44)         | (\$44)         | (\$44)         | (\$44)         |
| <b>Total NSWWTP-related Household Impact</b> | <b>\$124</b> | <b>\$326</b> | <b>\$314</b> | <b>\$423</b>   | <b>\$540</b>   | <b>\$656</b>   | <b>\$654</b>   |
| Other Liquid Waste Levies                    | \$340M       | \$456        | \$638        | \$610          | \$625          | \$632          | \$648          |
| <b>Total Average Household Impact</b>        | <b>\$464</b> | <b>\$782</b> | <b>\$952</b> | <b>\$1,033</b> | <b>\$1,165</b> | <b>\$1,287</b> | <b>\$1,303</b> |

## Vancouver Sewerage Area

|                                              | 2024         | 2025         | 2026         | 2027         | 2028         | 2029         | 2030         |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NSWWTP Original Cost (\$1.06B)               | \$59         | \$80         | \$2          | \$2          | \$2          | \$2          | \$2          |
| Additional Cost (\$2.8B)                     | -            | \$150        | \$150        | \$150        | \$150        | \$150        | \$150        |
| Application of Settlement                    | -            | -            | -            | (\$13)       | (\$13)       | (\$13)       | (\$13)       |
| <b>Total NSWWTP-related Household Impact</b> | <b>\$59</b>  | <b>\$230</b> | <b>\$152</b> | <b>\$139</b> | <b>\$139</b> | <b>\$139</b> | <b>\$139</b> |
| Other Liquid Waste Levies                    | \$373        | \$420        | \$508        | \$512        | \$543        | \$596        | \$634        |
| <b>Total Average Household Impact</b>        | <b>\$432</b> | <b>\$650</b> | <b>\$661</b> | <b>\$651</b> | <b>\$683</b> | <b>\$736</b> | <b>\$773</b> |

## Lulu Island West Sewerage Area

|                                              | 2024         | 2025         | 2026         | 2027         | 2028         | 2029         | 2030         |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NSWWTP Original Cost (\$1.06B)               | \$17         | \$23         | \$11         | \$11         | \$10         | \$10         | \$10         |
| Additional Cost (\$2.8B)                     | -            | \$80         | \$80         | \$80         | \$80         | \$80         | \$80         |
| Application of Settlement                    | -            | -            | -            | (\$7)        | (\$7)        | (\$7)        | (\$7)        |
| <b>Total NSWWTP-related Household Impact</b> | <b>\$17</b>  | <b>\$103</b> | <b>\$91</b>  | <b>\$84</b>  | <b>\$83</b>  | <b>\$83</b>  | <b>\$83</b>  |
| Other Liquid Waste Levies                    | \$278        | \$315        | \$371        | \$412        | \$426        | \$430        | \$443        |
| <b>Total Average Household Impact</b>        | <b>\$295</b> | <b>\$418</b> | <b>\$462</b> | <b>\$496</b> | <b>\$509</b> | <b>\$513</b> | <b>\$526</b> |

## Fraser Sewerage Area

|                                              | 2024         | 2025         | 2026         | 2027         | 2028         | 2029         | 2030         |
|----------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NSWWTP Original Cost (\$1.06B)               | \$27         | \$33         | \$8          | \$8          | \$8          | \$8          | \$7          |
| Additional Cost (\$2.8B)                     | -            | \$90         | \$90         | \$90         | \$90         | \$90         | \$90         |
| Application of Settlement                    | -            | -            | -            | (\$8)        | (\$8)        | (\$8)        | (\$8)        |
| <b>Total NSWWTP-related Household Impact</b> | <b>\$27</b>  | <b>\$123</b> | <b>\$98</b>  | <b>\$90</b>  | <b>\$90</b>  | <b>\$90</b>  | <b>\$89</b>  |
| Other Liquid Waste Levies                    | \$274        | \$298        | \$334        | \$342        | \$377        | \$409        | \$465        |
| <b>Total Average Household Impact</b>        | <b>\$301</b> | <b>\$421</b> | <b>\$432</b> | <b>\$432</b> | <b>\$467</b> | <b>\$499</b> | <b>\$554</b> |

## Decommissioning and Remediation of the Lions Gate Wastewater Treatment Plant

Once the new treatment plant is operational, the existing Lions Gate Wastewater Treatment Plant will be decommissioned and the site remediated.

The North Shore Wastewater Treatment Plant Program budget includes \$20 million for preliminary engineering and planning work to define the scope and cost of decommissioning and remediation.

The decommissioning and remediation of the Lions Gate site will be a separate project from the North Shore Wastewater Treatment Plant Program.

Under the *GVS&DD Cost Apportionment Bylaw*, those future costs would be shared regionally:

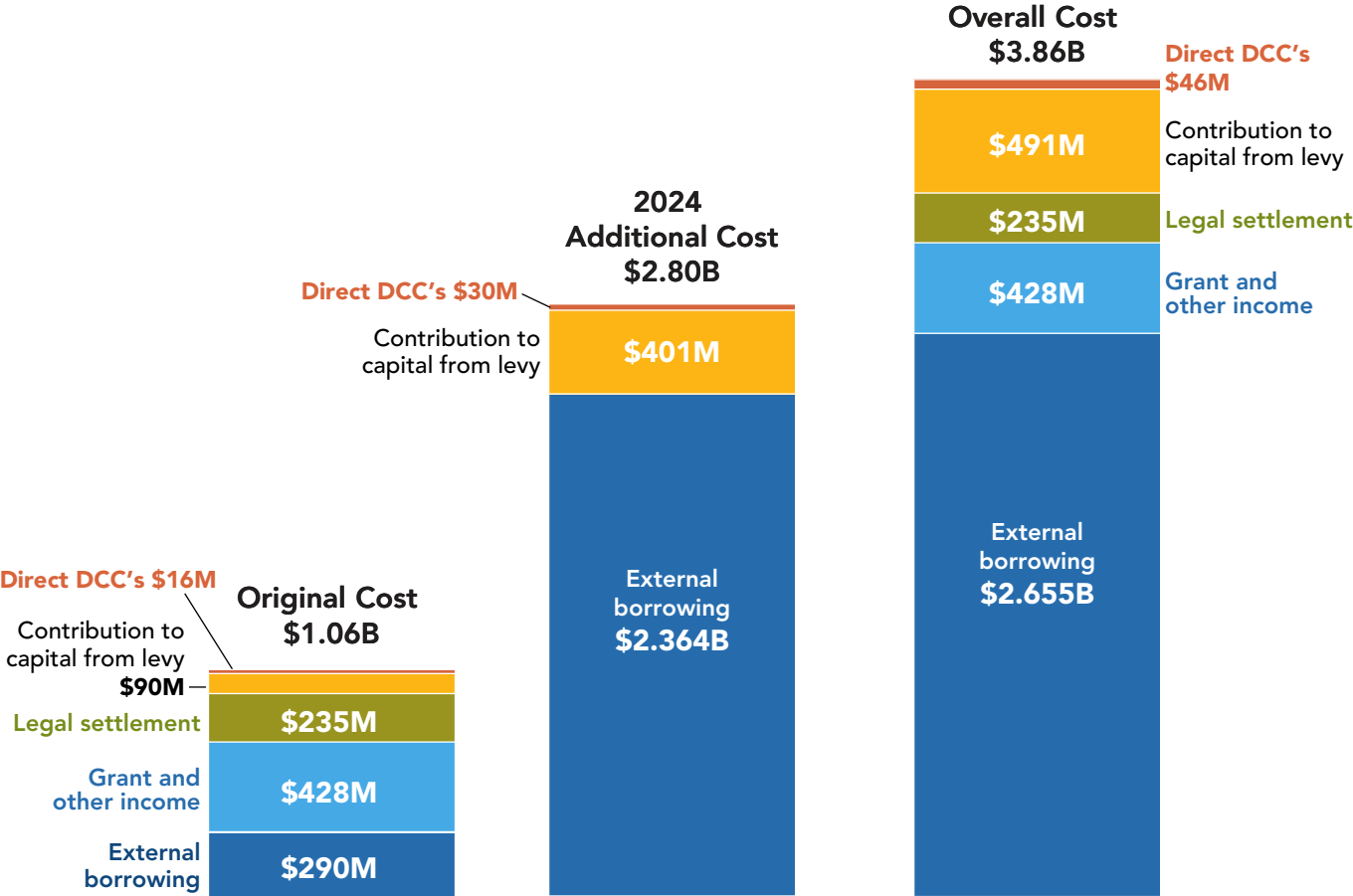
- 30% funded by the North Shore Sewerage Area
- 70% funded by all sewerage areas across Metro Vancouver

# Program Funding

## Funding Sources

The expected funding sources for the North Shore Wastewater Treatment Plant Program are a combination of external borrowing, contribution to capital, development cost charges, federal and provincial government grants, and the 2026 legal settlement.

- **External borrowing** by Metro Vancouver is through the Municipal Financing Authority of BC (MFA), with the amount of debt based on requirements after other funding sources have been applied. External borrowing is funded by the Liquid Waste Services levy and development cost charges.
- **Contribution to capital** ("pay-as-you-go") is the amount of tax levy directly applied to the program, to lower the amount of borrowing required.
- **Direct development cost charges (Direct DCCs)** help fund the population growth-related components of the program and are directly applied to the program to reduce borrowing.
- **Federal and provincial funding:** In 2017, Metro Vancouver received a \$193-million grant from the Province of BC for costs association with construction of the new treatment plant. As these funds were received in advance, interest earned was applied to the project. The Government of Canada also provided \$212.3 million of funding as eligible expenses are incurred, with 10% of the grant to be paid upon completion of the project.



## Borrowing and Debt Funding

Metro Vancouver is a net borrower for the North Shore Wastewater Treatment Plant Program, issuing debt only after other funding sources, such as contributions to capital, grants, and DCCs have been applied. Project progress and related cash flow are monitored closely, and the amount to borrow is determined by cash flow requirements.

Because debt financing is obtained in the form of a bond, interest payments are made semi-annually, while contributions to the sinking fund (principal repayment) begin one year after issuance. As a result, the full cash flow impact of a borrowing is not realized until the year following the bond issue.

Bond issues are typically for a 10 or 20-year term. Therefore, during a 30-year borrowing period, the debt is subject to a rate reset. For the 2026-2030 budget projections, Metro Vancouver has used a 4% interest rate on new borrowing.

**Metro Vancouver does not borrow in advance and only collects funds required to meet annual budgeted expenditures.** Consequently, unspent program costs, such as unused contingency, are not debt-financed and are not charged to rate payers.

The **Municipal Financing Authority of BC (MFA)** pools the borrowing and investment needs of BC communities through a collective structure and provides long-term financing, short-term financing, equipment financing, investment management, and other financial services to communities and public institutions in BC, including Metro Vancouver.

### How the \$235 Million Settlement Will Be Used

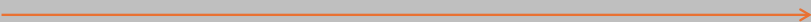
In 2026, Metro Vancouver was provided with a \$235 million settlement from the former contractor.

- Settlement funds will be distributed according to the original *GVS&DD Cost Apportionment Bylaw*
- All four sewerage areas will receive a share of the benefit
- Funds will be applied directly to the North Shore Wastewater Treatment Plant Program, to lower borrowing costs
- The settlement will reduce financial impacts on households across the region, throughout the amortization period

# North Shore Wastewater Treatment Plant Program

## Projection: Capital Expenditure and Funding (2026 – 2032)\*

The following table provides the **overall** projected cash flow and the related funding sources over the remaining term of the program.

| Overall NSWWTTP                        |                         |                         | PROJECTED  |                       |                       |                       |                       |                       |                      |
|----------------------------------------|-------------------------|-------------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| Program Expenditures - Overall NSWWTTP |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
|                                        | Total                   | Actuals to 2025         | 2026                                                                                          | 2027                  | 2028                  | 2029                  | 2030                  | 2031                  | 2032                 |
| North Shore WWTP Program               |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
| Original Budget (\$1.06B)              | \$ 1,060,000,000        | \$ 1,060,000,000        | \$ -                                                                                          | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                 |
| Additional Budget (\$2.80B)            | 2,794,900,000           | 3,394,577               | 543,005,000                                                                                   | 699,664,000           | 588,667,000           | 411,942,000           | 312,853,000           | 172,116,000           | 63,258,423           |
|                                        | <b>\$ 3,854,900,000</b> | <b>\$ 1,063,394,577</b> | <b>\$ 543,005,000</b>                                                                         | <b>\$ 699,664,000</b> | <b>\$ 588,667,000</b> | <b>\$ 411,942,000</b> | <b>\$ 312,853,000</b> | <b>\$ 172,116,000</b> | <b>\$ 63,258,423</b> |
| Program Funding - Overall NSWWTTP      |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
|                                        | Total                   | Actuals to 2025         | 2026                                                                                          | 2027                  | 2028                  | 2029                  | 2030                  | 2031                  | 2032                 |
| Original Budget (\$1.06B)              |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
| External Borrowing                     | \$ 290,468,197          | \$ 290,468,197          | \$ -                                                                                          | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                 |
| Contribution to Capital                | 90,478,982              | 325,478,982             | (235,000,000)                                                                                 | -                     | -                     | -                     | -                     | -                     | -                    |
| Direct Development Cost Charges        | 16,438,104              | 16,438,104              | -                                                                                             | -                     | -                     | -                     | -                     | -                     | -                    |
| Grant and Other Income                 | 427,614,717             | 427,614,717             | -                                                                                             | -                     | -                     | -                     | -                     | -                     | -                    |
| Legal Settlement                       | 235,000,000             | -                       | 235,000,000                                                                                   | -                     | -                     | -                     | -                     | -                     | -                    |
|                                        | <b>1,060,000,000</b>    | <b>1,060,000,000</b>    | <b>-</b>                                                                                      | <b>-</b>              | <b>-</b>              | <b>-</b>              | <b>-</b>              | <b>-</b>              | <b>-</b>             |
| Additional Budget (\$2.80B)            |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
| External Borrowing - Paid by Levy      | 2,198,389,518           | -                       | 423,843,393                                                                                   | 550,323,638           | 457,166,346           | 320,822,152           | 256,911,456           | 133,086,808           | 56,315,734           |
| External Borrowing - Paid by DCC       | 166,191,911             | -                       | 30,690,296                                                                                    | 41,386,644            | 37,935,303            | 27,079,484            | 17,153,152            | 11,231,080            | 635,944              |
| Contribution to Capital                | 400,554,412             | 3,394,577               | 82,303,295                                                                                    | 100,427,433           | 87,042,190            | 59,575,618            | 36,084,155            | 25,860,091            | 5,867,053            |
| Direct Development Cost Charges        | 29,764,159              | -                       | 6,168,016                                                                                     | 7,526,285             | 6,523,161             | 4,464,747             | 2,704,238             | 1,938,020             | 439,692              |
|                                        | <b>2,794,900,000</b>    | <b>3,394,577</b>        | <b>543,005,000</b>                                                                            | <b>699,664,000</b>    | <b>588,667,000</b>    | <b>411,942,000</b>    | <b>312,853,000</b>    | <b>172,116,000</b>    | <b>63,258,423</b>    |
| Overall Budget                         |                         |                         |                                                                                               |                       |                       |                       |                       |                       |                      |
| External Borrowing - Paid by Levy      | 2,488,937,724           | 290,468,197             | 423,843,393                                                                                   | 550,323,638           | 457,166,346           | 320,822,152           | 256,911,456           | 133,086,808           | 56,315,734           |
| External Borrowing - Paid by DCC       | 166,111,902             | -                       | 30,690,296                                                                                    | 41,386,644            | 37,935,303            | 27,079,484            | 17,153,152            | 11,231,080            | 635,944              |
| Contribution to Capital                | 491,033,394             | 328,873,559             | (152,696,705)                                                                                 | 100,427,433           | 87,042,190            | 59,575,618            | 36,084,155            | 25,860,091            | 5,867,053            |
| Direct Direct Development Cost Charges | 46,202,264              | 16,438,104              | 6,168,016                                                                                     | 7,526,285             | 6,523,161             | 4,464,747             | 2,704,238             | 1,938,020             | 439,692              |
| Grant and Other Income                 | 427,614,717             | 427,614,717             | -                                                                                             | -                     | -                     | -                     | -                     | -                     | -                    |
| Legal Settlement                       | 235,000,000             | -                       | 235,000,000                                                                                   | -                     | -                     | -                     | -                     | -                     | -                    |
|                                        | <b>\$ 3,854,900,000</b> | <b>\$ 1,063,394,577</b> | <b>\$ 543,005,000</b>                                                                         | <b>\$ 699,664,000</b> | <b>\$ 588,667,000</b> | <b>\$ 411,942,000</b> | <b>\$ 312,853,000</b> | <b>\$ 172,116,000</b> | <b>\$ 63,258,423</b> |

\*Based on 2026 Budget and 2026 - 2030 Financial Plan with projections for 2031 and 2032

# North Shore Wastewater Treatment Plant Program

## Projection: Capital Expenditure and Funding (2026 – 2032)\*

The following table provides the projected cash flow and the related funding sources for the **North Shore Sewerage Area's** share of the program, over the remaining term of the program.

| North Shore Sewerage Area (NSA)       |  |                         |                       | PROJECTED  |                       |                       |                       |                       |                      |                      |          |
|---------------------------------------|--|-------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------|
| Capital Expenditure - NSWWTWP for NSA |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
|                                       |  | Total                   | Actuals to 2025       | 2026                                                                                          | 2027                  | 2028                  | 2029                  | 2030                  | 2031                 | 2032                 |          |
| North Shore WWTP Program              |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
| Original Budget (\$1.06B)             |  | \$ 485,331,589          | \$ 485,331,589        | \$ -                                                                                          | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                 | \$ -                 | \$ -     |
| Additional Budget (\$2.80B)           |  | 1,042,559,744           | 1,554,006             | 202,796,256                                                                                   | 261,303,744           | 219,849,658           | 153,838,129           | 116,841,313           | 64,280,219           | 22,096,417           |          |
|                                       |  | <b>\$ 1,527,891,332</b> | <b>\$ 486,885,595</b> | <b>\$ 202,796,256</b>                                                                         | <b>\$ 261,303,744</b> | <b>\$ 219,849,658</b> | <b>\$ 153,838,129</b> | <b>\$ 116,841,313</b> | <b>\$ 64,280,219</b> | <b>\$ 22,096,417</b> |          |
| Capital Funding - NSWWTWP for NSA     |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
|                                       |  | Total                   | Actuals to 2025       | 2026                                                                                          | 2027                  | 2028                  | 2029                  | 2030                  | 2031                 | 2032                 |          |
| Original Budget (\$1.06B)             |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
| External Borrowing                    |  | \$ 157,830,818          | \$ 157,830,818        | \$ -                                                                                          | \$ -                  | \$ -                  | \$ -                  | \$ -                  | \$ -                 | \$ -                 | \$ -     |
| Contribution to Capital               |  | 19,385,614              | 126,989,127           | (107,603,513)                                                                                 | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Direct Development Cost Charges       |  | 4,711,378               | 4,711,378             | -                                                                                             | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Grant and Other Income                |  | 195,800,266             | 195,800,266           | -                                                                                             | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Legal Settlement                      |  | 107,603,513             | -                     | 107,603,513                                                                                   | -                     | -                     | -                     | -                     | -                    | -                    | -        |
|                                       |  | <b>485,331,589</b>      | <b>485,331,589</b>    | <b>-</b>                                                                                      | <b>-</b>              | <b>-</b>              | <b>-</b>              | <b>-</b>              | <b>-</b>             | <b>-</b>             | <b>-</b> |
| Additional Budget (\$2.80B)           |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
| External Borrowing - Paid by Levy     |  | 968,281,798             | -                     | 189,184,688                                                                                   | 243,120,499           | 203,227,198           | 142,002,509           | 109,339,800           | 59,388,322           | 22,018,782           |          |
| External Borrowing - Paid by DCC      |  | 67,468,581              | -                     | 12,522,502                                                                                    | 16,854,355            | 15,470,688            | 11,047,295            | 7,024,035             | 4,549,707            | -                    |          |
| Contribution to Capital               |  | 1,554,006               | 1,554,006             | -                                                                                             | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Direct Development Cost Charges       |  | 5,255,358               | -                     | 1,089,066                                                                                     | 1,328,891             | 1,151,773             | 788,325               | 477,478               | 342,190              | 77,635               |          |
|                                       |  | <b>1,042,559,744</b>    | <b>1,554,006</b>      | <b>202,796,256</b>                                                                            | <b>261,303,744</b>    | <b>219,849,658</b>    | <b>153,838,129</b>    | <b>116,841,313</b>    | <b>64,280,219</b>    | <b>22,096,417</b>    |          |
| Overall Budget                        |  |                         |                       |                                                                                               |                       |                       |                       |                       |                      |                      |          |
| External Borrowing - Paid by Levy     |  | 1,126,112,617           | 157,830,818           | 189,184,688                                                                                   | 243,120,499           | 203,227,198           | 142,002,509           | 109,339,800           | 59,388,322           | 22,018,782           |          |
| External Borrowing - Paid by DCC      |  | 67,468,581              | -                     | 12,522,502                                                                                    | 16,854,355            | 15,470,688            | 11,047,295            | 7,024,035             | 4,549,707            | -                    |          |
| Contribution to Capital               |  | 20,939,620              | 128,543,133           | (107,603,513)                                                                                 | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Direct Development Cost Charges       |  | 9,966,736               | 4,711,378             | 1,089,066                                                                                     | 1,328,891             | 1,151,773             | 788,325               | 477,478               | 342,190              | 77,635               |          |
| Grant and Other Income                |  | 195,800,266             | 195,800,266           | -                                                                                             | -                     | -                     | -                     | -                     | -                    | -                    | -        |
| Legal Settlement                      |  | 107,603,513             | -                     | 107,603,513                                                                                   | -                     | -                     | -                     | -                     | -                    | -                    | -        |
|                                       |  | <b>\$ 1,527,891,332</b> | <b>\$ 486,885,595</b> | <b>\$ 202,796,256</b>                                                                         | <b>\$ 261,303,744</b> | <b>\$ 219,849,658</b> | <b>\$ 153,838,129</b> | <b>\$ 116,841,313</b> | <b>\$ 64,280,219</b> | <b>\$ 22,096,417</b> |          |

\*Based on 2026 Budget and 2026 - 2030 Financial Plan with projections for 2031 and 2032

# North Shore Wastewater Treatment Plant Program

## Projection: Debt Servicing and Contribution to Capital (2026 – 2032)\*

The following table shows the **overall** projected debt service costs for the program and the related funding of the debt payments. These payments will continue throughout the 30-year amortization period of the debt.

| Overall NSWWTTP                         |               |               | PROJECTED  |                |                |                |                |                |                |               |
|-----------------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| Operating Expenditure - Overall NSWWTTP |               |               |                                                                                              |                |                |                |                |                |                |               |
|                                         | 2024          | 2025          | 2026                                                                                         | 2027           | 2028           | 2029           | 2030           | 2031           | 2032           |               |
| Original Budget (\$1.06B)               |               |               |                                                                                              |                |                |                |                |                |                |               |
| Debt Servicing - Principal              | \$ 1,284,728  | \$ 2,466,509  | \$ 6,992,803                                                                                 | \$ 9,039,108   | \$ 9,039,108   | \$ 9,039,108   | \$ 9,039,108   | \$ 9,039,108   | \$ 9,039,108   | \$ 9,039,108  |
| Debt Servicing - Interest               | 1,739,075     | 6,417,220     | 8,013,445                                                                                    | 9,384,854      | 9,384,854      | 9,384,854      | 9,384,854      | 9,384,854      | 9,384,854      | 9,384,854     |
| Contribution to Capital                 | 43,682,514    | 56,076,669    | -                                                                                            | -              | -              | -              | -              | -              | -              | -             |
|                                         | 46,706,316    | 64,960,398    | 15,006,249                                                                                   | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962    |
| Incremental Budget (\$2.80B)            |               |               |                                                                                              |                |                |                |                |                |                |               |
| Debt Servicing                          | -             | 448,520       | 7,733,393                                                                                    | 46,706,775     | 93,640,881     | 134,459,379    | 162,913,179    | 180,824,707    | 192,292,408    |               |
| Contribution to Capital                 | -             | -             | 82,303,295                                                                                   | 100,427,433    | 87,042,190     | 59,575,618     | 36,084,155     | 25,860,091     | 5,867,053      |               |
|                                         | -             | 448,520       | 90,036,687                                                                                   | 147,134,208    | 180,683,071    | 194,034,997    | 198,997,333    | 206,684,799    | 198,159,462    |               |
| Total Operating Expenditure             | \$ 46,706,316 | \$ 65,408,918 | \$ 105,042,936                                                                               | \$ 165,558,170 | \$ 199,107,033 | \$ 212,458,960 | \$ 217,421,296 | \$ 225,108,761 | \$ 216,583,424 |               |
| Operating Funding - Overall NSWWTTP     |               |               |                                                                                              |                |                |                |                |                |                |               |
|                                         | 2024          | 2025          | 2026                                                                                         | 2027           | 2028           | 2029           | 2030           | 2031           | 2032           |               |
| Original Budget (\$1.06B)               |               |               |                                                                                              |                |                |                |                |                |                |               |
| Liquid Waste Services Levy              | \$ 46,486,355 | \$ 64,267,149 | \$ 13,836,958                                                                                | \$ 16,862,749  | \$ 16,862,749  | \$ 16,862,749  | \$ 16,862,749  | \$ 16,862,749  | \$ 16,862,749  | \$ 16,862,749 |
| Transfer from DCC Reserves              | 219,962       | 693,249       | 1,169,291                                                                                    | 1,561,213      | 1,561,213      | 1,561,213      | 1,561,213      | 1,561,213      | 1,561,213      | 1,561,213     |
|                                         | 46,706,316    | 64,960,398    | 15,006,249                                                                                   | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962     | 18,423,962    |
| Incremental Budget (\$2.80B)            |               |               |                                                                                              |                |                |                |                |                |                |               |
| Transfer from NSWWTTP Reserves          | -             | 423,318       | 89,457,697                                                                                   | 143,582,060    | 173,639,817    | 183,971,892    | 186,839,303    | 193,212,834    | 183,842,150    |               |
| Transfer from DCC Reserves              | -             | 25,202        | 578,991                                                                                      | 3,552,149      | 7,043,254      | 10,063,105     | 12,158,031     | 13,471,964     | 14,317,312     |               |
|                                         | -             | 448,520       | 90,036,687                                                                                   | 147,134,208    | 180,683,071    | 194,034,997    | 198,997,333    | 206,684,799    | 198,159,462    |               |
| Total Operating Funding                 | \$ 46,706,316 | \$ 65,408,918 | \$ 105,042,936                                                                               | \$ 165,558,170 | \$ 199,107,033 | \$ 212,458,960 | \$ 217,421,296 | \$ 225,108,761 | \$ 216,583,424 |               |

\*Based on 2026 Budget and 2026 - 2030 Financial Plan with projections for 2031 and 2032

# North Shore Wastewater Treatment Plant Program

## Projection: Debt Servicing and Contribution to Capital (2026 – 2032)\*

The following table shows the **North Shore Sewerage Area's** share of the debt servicing related to the program.

| North Shore Sewerage Area (NSA)           |               |               | PROJECTED  |               |               |               |               |               |               |              |
|-------------------------------------------|---------------|---------------|----------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Operating Expenditure - NSWWTP - NSA only |               |               |                                                                                              |               |               |               |               |               |               |              |
|                                           | 2024          | 2025          | 2026                                                                                         | 2027          | 2028          | 2029          | 2030          | 2031          | 2032          |              |
| Original Budget (\$1.06B)                 |               |               |                                                                                              |               |               |               |               |               |               |              |
| Debt Servicing - Principal                | \$ 36,477     | \$ 1,156,861  | \$ 2,155,922                                                                                 | \$ 4,202,227  | \$ 4,202,227  | \$ 4,202,227  | \$ 4,202,227  | \$ 4,202,227  | \$ 4,202,227  | \$ 4,202,227 |
| Debt Servicing - Interest                 | 1,124,698     | 4,486,681     | 4,793,046                                                                                    | 6,164,454     | 6,164,454     | 6,164,454     | 6,164,454     | 6,164,454     | 6,164,454     | 6,164,454    |
| Contribution to Capital                   | 8,954,300     | 11,750,000    | -                                                                                            | -             | -             | -             | -             | -             | -             | -            |
|                                           | 10,115,475    | 17,393,542    | 6,948,968                                                                                    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681   |
| Incremental Budget (\$2.80B)              |               |               |                                                                                              |               |               |               |               |               |               |              |
| Debt Servicing                            | -             | 448,520       | 3,615,888                                                                                    | 18,719,105    | 35,952,465    | 50,706,694    | 60,880,900    | 67,279,013    | 71,320,082    |              |
| Contribution to Capital                   |               |               | -                                                                                            | -             | -             | -             | -             | -             | -             | -            |
|                                           | -             | 448,520       | 3,615,888                                                                                    | 18,719,105    | 35,952,465    | 50,706,694    | 60,880,900    | 67,279,013    | 71,320,082    |              |
| Total Operating Expenditure               | \$ 10,115,475 | \$ 17,842,062 | \$ 10,564,856                                                                                | \$ 29,085,786 | \$ 46,319,146 | \$ 61,073,375 | \$ 71,247,581 | \$ 77,645,694 | \$ 81,686,763 |              |
|                                           |               |               |                                                                                              |               |               |               |               |               |               |              |
| Operating Funding - NSWWTP - NSA only     |               |               |                                                                                              |               |               |               |               |               |               |              |
|                                           | 2024          | 2025          | 2026                                                                                         | 2027          | 2028          | 2029          | 2030          | 2031          | 2032          |              |
| Original Budget (\$1.06B)                 |               |               |                                                                                              |               |               |               |               |               |               |              |
| Liquid Waste Services Levy                | \$ 9,976,900  | \$ 16,906,419 | \$ 6,431,245                                                                                 | \$ 9,457,037  | \$ 9,457,037  | \$ 9,457,037  | \$ 9,457,037  | \$ 9,457,037  | \$ 9,457,037  | \$ 9,457,037 |
| Transfer from DCC Reserves                | 138,576       | 487,123       | 517,723                                                                                      | 909,644       | 909,644       | 909,644       | 909,644       | 909,644       | 909,644       | 909,644      |
|                                           | 10,115,475    | 17,393,542    | 6,948,968                                                                                    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681    | 10,366,681   |
| Incremental Budget (\$2.80B)              |               |               |                                                                                              |               |               |               |               |               |               |              |
| Transfer from NSWWTP NSA Reserve          | -             | 423,318       | 3,373,658                                                                                    | 17,454,714    | 33,516,533    | 47,267,756    | 56,750,309    | 62,713,472    | 66,479,825    |              |
| Transfer from DCC Reserves                | -             | 25,202        | 242,230                                                                                      | 1,264,391     | 2,435,932     | 3,438,938     | 4,130,591     | 4,565,541     | 4,840,256     |              |
|                                           | -             | 448,520       | 3,615,888                                                                                    | 18,719,105    | 35,952,465    | 50,706,694    | 60,880,900    | 67,279,013    | 71,320,082    |              |
| Total Operating Funding                   | \$ 10,115,475 | \$ 17,842,062 | \$ 10,564,856                                                                                | \$ 29,085,786 | \$ 46,319,146 | \$ 61,073,375 | \$ 71,247,581 | \$ 77,645,694 | \$ 81,686,763 |              |

\*Based on 2026 Budget and 2026 - 2030 Financial Plan with projections for 2031 and 2032