Minutes – Standing Policy Committee on Finance and Economic Development – July 7, 2025

#### **REPORTS**

Item No. 4 Transition to Zero Emission Buses,

Project ID: 4210000221,4210000222,4210000223,4210000224,

4210000225

**Quarterly Project Status Report No. 08 For the Period Ended April 30, 2025** 

#### STANDING COMMITTEE DECISION:

The Standing Policy Committee on Finance and Economic Development concurred in the recommendation of the Winnipeg Public Service and received the Transition to Zero Emission Buses ("the Project"), as contained in this report, as information.

# Minutes – Standing Policy Committee on Finance and Economic Development – July 7, 2025

# DECISION MAKING HISTORY:

Moved by Councillor Lukes,

That the recommendation of the Winnipeg Public Service be concurred in.

Carried

# **ADMINISTRATIVE REPORT**

Title: Transition to Zero Emission Buses,

Project ID: 4210000221,4210000222,4210000223,4210000224, 4210000225

Quarterly Project Status Report No. 08 For the Period Ended April 30, 2025

Critical Path: Standing Policy Committee on Finance and Economic Development

#### **AUTHORIZATION**

| Author     | Department Head | CFO       | CAO                           |
|------------|-----------------|-----------|-------------------------------|
| J. Crowder | G. Ewankiw      | T. Graham | S. Armbruster,<br>Interim CAO |

#### **EXECUTIVE SUMMARY**

Project On Schedule: Yes ☑ No ☐ Project On Adopted Budget: Yes ☑ No ☐

Percent of Schedule Complete: 46%

Percent of Adopted Budget Spent: 32.7%

This is the eighth quarterly report to the Standing Policy Committee on Finance and Economic Development for this project.

Supply chain disruptions, build quality, and compliance issues continue to result in late bus deliveries. As of April 30, 2025, 79 diesel and seven zero emission buses have been delivered. These 86 buses are approximately 87 percent of the total number of buses (99) that were expected to be delivered by this time. The City is working with New Flyer Industries (NFI) to resolve quality issues but delivery dates continue to be pushed backed with the last zero emission bus delivery anticipated by June 20, 2025, and the last diesel buses still to be determined.

Charging and hydrogen infrastructure continues to progress.

The Advisory Committee has reviewed this report and recommends that the report be sent to the Standing Policy Committee on Finance and Economic Development.

#### **RECOMMENDATIONS**

That the financial status of the Transition to Zero Emission Buses ("the Project"), as contained in this report, be received as information.

#### REASON FOR THE REPORT

Major Capital Projects are required to report quarterly to the Standing Policy Committee on Finance and Economic Development. The threshold for reporting is reviewed at the beginning of each multi-year budget cycle and revised, if required, for Council consideration. For the 2024-2027 multi-year budget cycle Council approved that the threshold be maintained at \$25 million. The Standing Policy Committee on Finance and Economic Development may also request reporting on any capital project.

#### IMPLICATIONS OF THE RECOMMENDATIONS

No implications.

#### HISTORY/DISCUSSION

See Appendix C – Key Project Events (History)

#### Bus Rolling Stock (Update from last report)

Diesel Buses – Original tender (901-2019) awarded to NFI with the option of five extensions:

- Extension 2 41 of 45 have been received and 40 are now in service. Three of the four outstanding buses are missing seats and do not have a confirmed delivery date.
- No other further extensions have been executed.

Zero-Emission Buses – Original tender (538-2022) awarded to NFI with the option of four extensions:

- Original tender Seven of eight fuel cell buses have been received from NFI's Anniston, AL facility. Zero of eight battery electric buses have been received from NFI's Crookston, MN facility. No zero-emission buses are in service. Battery-electric buses are 11 months late. The City continues to escalate concerns with the battery-electric build with New Flyer senior management. A revised schedule noting that all buses will be received before June 20, 2025, has now been provided by NFI.
- Extension 1 24 battery electric buses are still on schedule for construction to begin at NFI's Winnipeg facility starting September 1, 2025. Deliveries will be between February 20 and July 17, 2026.
- Extension 2 was extended on April 29, 2025, to enable purchases between May 1, 2025, and April 30, 2026. Pricing negotiations are in progress.

#### <u>Pre-Construction – Charging Infrastructure (Update from last report)</u>

 Construction of two chargers and eight dispensers was substantially completed last quarter; however, chargers still have not been commissioned due to delays in receiving batteryelectric buses. Work on Phase 2 is underway with total completion projected for Q3 2025.

#### Pre-Construction – Hydrogen Fueling Infrastructure (Update from last report)

- Environmental permitting is complete and development permit is now in progress. The RFP for site construction is anticipated to be released in June 2025 with operation of the station planned for fall 2025.
- Equipment has been delayed by one month and will now be available for delivery in June 2025. Actual delivery will align with the completion of site construction.

#### Pre-Construction - Maintenance Garage Updates (Update from last report)

- Work on upgrading the dynamometer room to accommodate the additional height of zeroemission buses, as well as hydrogen ventilation, has begun and is expected to be completed by May 30, 2025.
- Design work to service articulated battery electric buses in the maintenance garage is complete. This work included adding a new air extraction system and four ventilation hoods.

Table 1 – Contracts

|                                    |  |  | Contracts   |  |                     |                                |                            |
|------------------------------------|--|--|---|--|---------------------|--------------------------------|----------------------------|
| Bid<br>Opportunity<br>#            | Company<br>Name  | Description  | Original<br>Contract Award Value<br>(GST & MRST extra as<br>applicable) | Total Approved Over- Expenditures (Over-Expenditure amount only) | Date<br>of<br>Award | Date<br>of Total<br>Completion | Estimated<br>%<br>Complete |
| RFP 695-2022                       | Stantec<br>Consulting Ltd.                             | Consulting Services for DC<br>Fast Charging Bus Stations<br>at 600 Brandon Avenue<br>Transit Garage.   | \$ 145,211.00   | \$ 23,033  | 7/Dec/22            |                                | 88%                        |
| Single Source                      | Center for<br>Transportation<br>and the<br>Environment | Consulting Services for the<br>Preparation of RFQ and<br>RFP Documents for Design<br>Build Hydrogen Generation<br>and Dispensing project at<br>421 Osborne Street.       | 73,000.00   | \$ -   | 7/Dec/22            | 16/May/24                      | 100%                       |
| Tender 538-<br>2022                | New Flyer<br>Industries                                | Supply and Delivery of<br>Heavy-Duty Low Floor Zero<br>Emission Transit Buses.   | 33,038,400.00   |  | 15/Dec/22           |                                | 27%                        |
| Tender 901-<br>2019 Ext. 1         | New Flyer<br>Industries                                | Supply and Delivery of<br>Heavy-Duty Low Floor<br>Transit Buses.   | 35,759,464.40   | -  | 19/Apr/23           | 12/Feb/25                      | 100%                       |
| RFP 64-2023                        | Colliers Project<br>Leaders                            | Owner Advocate Project Management Services for Installation of hydrogen production and dispensing infrastructure at 421 Osborne Street.                                  | 502,197.00  | -  | 21/Apr/23           | N/A                            | 100%                       |
| Single Source                      | Dillon<br>Consulting                                   | Maintenance Garage<br>Updates.   | 51,050.00   | 22,110.00  | 7/Jun/23            |                                | 89%                        |
| Single Source                      | MBlock   | Geotechnical investigation<br>for the proposed hydrogen<br>production and dispensing<br>station site to located at 421<br>Osborne Street in Winnipeg                     | 9,095.00  |  | 27/Jul/23           | 14/Aug/23                      | 100%                       |
| Single Source                      | Crosier Kilgour<br>& Partners Ltd                      | Professional Consulting<br>Services for the Detail<br>Design, Tender and<br>Construction Services for<br>the addition of a<br>Maintenance Service<br>Platform and Crane. | 14,000.00   | -  | 27/Jul/23           |                                | 9%                         |
| Tender 901-<br>2019 Extension<br>2 | New Flyer  | Supply and Delivery of<br>Heavy-Duty Low Floor<br>Diesel Transit Buses   | 34,134,911.10   | -  | 16/Oct/23           |                                | 71%                        |
| Tender 807-<br>2023                | NRG<br>Managament                                      | Winnipeg Transit, Artic  | 488,649.08  | -  | 13/Dec/23           | 25/Sep/24                      | 100%                       |
| Single Source                      | Management<br>Infodev EDI                              | Room Modifications Supply and Delivery of Radio System Components on New Zero Emission Buses   | 132,945.68  |  | 15/Feb/24           |                                | 0%                         |
| 1081-2018<br>Extension 4-5         | Michelin North<br>America<br>(Canada) Inc.             | Bus Tires 2024   | 483,686.08  | -  | 1/Mar/24            |                                | 89%                        |
| 80-2023B                           | Aecon Industrial<br>Management<br>Corp.                | Break payment, Design-<br>Build of the City of<br>Winnipeg's Hydrogen<br>Generation and Dispensing<br>Project at 421 Osborne<br>Street (Fort Rouge Garage)               | 100,000.00  | -  | N/A                 | N/A                            | 100%                       |
| RFP 1072-2023                      | KGS Group  | Consulting Services for<br>Hydrogen Station Site<br>Development at Transit<br>Garage   | 197,758.00  | 110,121.00   | 25-Apr-24           |                                | 44%                        |
| RFP 1042-2023                      | Azolla<br>Hydrogen                                     | Supply & Service of Transit<br>Fueling Station with<br>Methanol to Hydrogen<br>Generation  | 8,714,821.16  |  | 7-May-24            |                                | 58%                        |
| Single Source                      | GMB  | Supply and Installation of<br>Hoist for Repurposing The<br>Fall Arrest Beam as Part to<br>The Artic Room<br>Modifications  | 8,891.80  |  | 8-May-24            |                                | 0%                         |
| 386-2024                           | Siemens<br>Canada                                      | 50KW Mobile Charger  | 47,740.00   |  | 9-May-24            | 21-Jun-24                      | 100%                       |
| RFP 763-2023                       | McCaine<br>Electric                                    | Direct Current Fast<br>Charging at 600 Brandon<br>Ave Transit Garage   | 5,507,864.14  |  | 15-May-24           |                                | 55%                        |
| MM 415-2024                        | City Electric<br>Supply                                | Electrical Parts, Materials,<br>Supplies for contruction and<br>Installation Power Charging<br>System for Electric Buses   | 25,949.79   |  | 30-May-24           |                                | 65%                        |
| Tender 538-<br>2022 extension<br>1 | New Flyer<br>Industries                                | Supply and Delivery of<br>Heavy-Duty Low Floor Zero<br>Emission Transit Buses.   | 39,117,167.76   |  | 26-Sep-24           |                                | 19%                        |
| RFP 656-2024                       | Spika Design &<br>Manufacturing                        | Supply and Delivery of Bus<br>Rooftop Work Plaforms  | 320,660.00  |  | 24-Oct-24           |                                | 0%                         |
| MM 926-2024                        | Wintec Building<br>Services                            | Surface Parking Lot C Infill   | 13,500.00   |  | 22-Oct-24           | 31-Oct-24                      | 100%                       |
| RFP 1047-2024                      | Keller<br>Equipment                                    | Supply and Delivery of 2<br>Mobile Column Lifts  | 188,868.00  |  | 1-Apr-25            |                                | 0%                         |

Upcoming Procurements:

| Description                                    | Anticipated Award<br>Date |
|--|---------------------------|
| 465-2025 Transit Hydrogen Station Construction | 2025 Q3                   |

# **Schedule** (Update from last report)

The key schedule milestones for the Transition to Zero Emission Bus project have been updated in Table 2.

Table 2 – Milestones

|    |  | •       | Revised<br>Targeted<br>Completion Date | Actual<br>Completion<br>Date | Estimated %<br>Complete |
|----|--|---------|--|------------------------------|-------------------------|
|    | Charging infrastructure design award                                 | 2022 Q4 |  | 2022 Q4                      | 100%                    |
| 2  | ZEB award  | 2022 Q4 |  | 2022 Q4                      | 100%                    |
|    | Hydrogen fueling infrastructure Design-Build                         |         |  |                              |                         |
|    | RFQ  | 2023 Q2 | 2023 Q2                                | 2023 Q2                      | 100%                    |
|    | Diesel Bus award   | 2023 Q2 | 2023 Q2                                | 2023 Q2                      | 100%                    |
| 5  | Charging infrastructure construction RFP                             | 2023 Q2 | 2024 Q1                                | 2024 Q1                      | 100%                    |
| 6  | Hydrogen fueling infrastructure Design-Build RFP                     | 2023 Q2 | 2023 Q3                                | Non-Award                    | N/A                     |
| 7  | Hydrogen detection, protection, and ventilation updates design award | 2023 Q3 | 2023 Q3                                | 2023 Q3                      | 100%                    |
| 8  | Hydrogen detection, protection, and ventilation updates RFP          | 2023 Q3 | 2023 Q4                                | 2023 Q4                      | 100%                    |
|    | Award contract for charging infrastructure                           | 2023 Q3 | 2024 Q2                                | 2024 Q2                      | 100%                    |
|    | Award contract for hydrogen fueling                                  |         |  |                              |                         |
| 10 | infrastructure   | 2023 Q3 | 2024 Q1                                | Non-Award                    | N/A                     |
|    | Hydrogen fueling station equipment suppy RFP                         | 2024 Q1 |  | 2024 Q1                      | 100%                    |
| 12 | Hydrogen fueling station site design RFP                             | 2024 Q1 |  | 2024 Q1                      | 100%                    |
|    | Award contract for Hydrogen fueling station                          |         |  |                              |                         |
| 13 | equipment suppy  | 2024 Q1 | 2024 Q2                                | 2024 Q2                      | 100%                    |
|    | Award contract fo Hydrogen fueling station site                      |         |  |                              |                         |
|    | design   | 2024 Q1 | 2024 Q2                                | 2024 Q2                      | 100%                    |
|    | Hydrogen fueling station site construction RFP                       | 2024 Q2 | 2025 Q2                                |                              |                         |
|    | Delivery of first BEBs   | 2024 Q2 | 2025 Q2                                |                              | 20%                     |
| 17 | Delivery of first FC-BEBs  | 2024 Q2 | 2025 Q1                                | 2025 Q1                      | 100%                    |
|    | Delivery of first Diesel bus   | 2024 Q2 | 2024 Q2                                | 2024 Q2                      | 100%                    |
| 19 | Charging infrastructure phase 1 construction                         | 2024 Q2 | 2025 Q3                                |                              | 57%                     |
|    | Award contract for Hydrogen fueling station                          |         |  |                              |                         |
|    | construction   | 2024 Q3 | 2025 Q3                                |                              |                         |
| 21 | BEBs in-service  | 2024 Q3 | 2025 Q3                                |                              |                         |
| 22 | FC-BEB in-service  | 2024 Q3 | 2025 Q4                                |                              |                         |
|    | Hydrogen detection, protection, and ventilation                      |         |  |                              |                         |
| 23 | updates  | 2024 Q3 | 2024 Q3                                | 2024 Q3                      | 100%                    |
|    | Hydrogen fueling infrastructure Substantial                          |         |  |                              |                         |
| 24 | Completion   | 2024 Q4 | 2025 Q4                                |                              | 40%                     |
|    | Charging Infrastructure phase 2 charging                             |         |  |                              |                         |
| 25 | infrastructure construction  | 2026 Q2 | 2026 Q3                                |                              |                         |
| 26 | Project Completion   | 2027 Q4 | 2028 Q2                                |                              | 46%                     |

#### **Risk** (Update from last report)

One new risk regarding temporary supply of hydrogen has been added to Table 3.

Table 3 – Significant Risks and Mitigations Strategies

| Significant Risks and Mitigation Strategies   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Risk Statement and Explanation  | Risk Mitigation Management Plan  |  |  |  |  |  |  |  |
| New:  |  |  |  |  |  |  |  |  |
| Limited availablity of temporary hydrogen supply  | Continue commissioning and testing buses until permanent station is online. Continue to source temporary hydrogen supply.                                  |  |  |  |  |  |  |  |
| Ongoing:  |  |  |  |  |  |  |  |  |
| Decreased purchasing power due to inflation   | Revise procurement strategy to ensure maximum number of buses are purchased to reduce operational impact.  |  |  |  |  |  |  |  |
| Impacts on the project from tariffs between the US and Canada.  | Continue to monitor the tariffs and mitigate within the project to the degree possible. May need to reduce bus purchases in the final year of the program. |  |  |  |  |  |  |  |
| Longer than anticipated production lead times may result in eligible cost being incurred after the Projects Total Completion Date of April 30, 2028 making them ineligible for cost sharing | Advise the Province of potential production delays. Request an extension to the Total Completion Date. Advise New Flyer of the funding deadlines.          |  |  |  |  |  |  |  |
| Mitigated:  |  |  |  |  |  |  |  |  |
| Environmental Permitting delays completion of hydrogen station  | Environmental permit approved  |  |  |  |  |  |  |  |
| Hydrogen infrastructure not reaching substantial completion prior to arrival of buses   | Cancel RFP for design-build hydrogen station. Retender with alternative procurement model and reduced scope. Investigate temporary fueling                 |  |  |  |  |  |  |  |

#### **<u>Financial</u>** (Update from last report)

For further information, refer to Appendix B – Financial Forecast.

As of April 30, 2025, the City of Winnipeg has submitted nine financial claims to the Province of Manitoba for payment totaling \$57,902,505.47 for the Manitoba and Canada portion and the City has received \$47,370,054.32.

### Funding (Update from last report)

The total anticipated budget is presented in Table 4 below.

For additional information, refer to Appendix C - Key Project Events for historical details.

Table 4 – Project Funding Forecast

| Funding Forecast  |                                |                   |                      |                        |  |  |  |  |  |  |
|---|--------------------------------|-------------------|----------------------|------------------------|--|--|--|--|--|--|
| Funding Source  | Adopted<br>Budget <sup>1</sup> | Amended<br>Budget | Forecasted<br>Budget | Committed <sup>2</sup> |  |  |  |  |  |  |
|   | (in thousands)                 | (in thousands)    | (in thousands)       | (in thousands)         |  |  |  |  |  |  |
| Class of Estimate   | Scalable                       |                   |                      |                        |  |  |  |  |  |  |
| City of Winnipeg<br>Transit Bus Replacement Reserve<br>External Debt              | 1,000<br>61,623                | 1,000<br>61,623   | -<br>14,910          | 1,000<br>76,533        |  |  |  |  |  |  |
| Federal Government of Canada<br>Investing in Canada Infrastructure Program (ICIP) | 88,609                         | 88,609            | 22,046               | 110,655                |  |  |  |  |  |  |
| Province of Manitoba<br>Investing in Canada Infrastructure Program (ICIP)         | 73,251                         | 73,251            | 18,952               | 92,203                 |  |  |  |  |  |  |
| Total   | \$ 224,483                     | \$ 224,483        | \$ 55,908            | \$ 280,391             |  |  |  |  |  |  |

<sup>&</sup>lt;sup>1</sup> 2021 - 2025 adopted budgets. Includes Council authorized first charge of up to \$45 million in 2025 or prior to the adoption of the 2026 capital budget.

# **Property Acquisition** (Update from last report)

N/A

#### **Stakeholder Engagements/Communications** (Update from last report)

A promotional event for the launch of Canada's first articulated zero emission bus is being planned.

## **Subsequent Events after Report Period End Date**

N/A

<sup>&</sup>lt;sup>2</sup> Total committed approved by Council April 29, 2021.

# **FINANCIAL IMPACT**

Financial Impact Statement Date: May 21, 2025

# **Project Name:**

Transition to Zero-Emission Buses, Project ID: 4210000221, 4210000222, 4210000223, 4210000224, 4210000225, 4210000226 Quarterly Project Status Report No. 8 For the Period Ended April 30, 2025

#### **COMMENTS:**

There is no financial impact from the recommendation in this report as it is for information only.

Laurie Fisher May 21, 2025

Laurie Fisher, CPA, CA Manager of Finance & Administration

#### CONSULTATION

This Report has been prepared in consultation with:

N/A

#### **OURWINNIPEG POLICY ALIGNMENT**

#### OurWinnipeg 2045 (2022)

Goal - Environmental Resilience,

Objective 2: Prioritize sustainable transportation as the mobility options of choice.

Prioritize sustainable transportation as the mobility options of choice. Transition to a sustainable transportation system that safely and efficiently moves people, goods and services, increases access to a variety of affordable mobility choices, encourages less reliance on personal vehicle travel, reduces travel time, mitigates congestion and related greenhouse gas emissions, and supports the development of denser, better-connected, healthy and complete communities.

Policy 2.9: Reduce Road Congestion

Increase the efficiency, convenience and usage of the active and public transportation system, to improve air quality, provide a viable alternative to the automobile, and reduce current and future road congestion.

#### **Winnipeg Transit Master Plan (2021)**

**Network Goals:** 

Enhance Customer Experience Increase Ridership Improve Downtown Mobility Complement Land-Use Development Improve Multi-modal Mobility Ensure Transit is Inclusive Continuously Innovate Empower Healthy Communities Balance Investment with Affordability

#### **Transportation Master Plan (2011)**

Key Strategic Goal Five: A transportation system that is financially sustainable. Key Strategic Goal Six: A transportation system that reduces its greenhouse gas emissions footprint and meets or surpasses climate change and emissions reduction goals set by the City and the Province.

#### WINNIPEG CLIMATE ACTION PLAN ALIGNMENT

Strategic Opportunity #3: Advancing Sustainable Transportation – Increasing Mobility Options and Shift to Zero Emission Vehicles

Key Direction 3.7: Utilize Zero Emission Buses

#### WINNIPEG POVERTY REDUCTION STRATEGY ALIGNMENT

Winnipeg Poverty Reduction Strategy Alignment will serve as a guide for strengthening poverty reduction priorities, including affordable housing, employment and income, community well-being, transportation equity, equity in city services, food security, and community safety.

Goal 5(b) Transportation System Equity is Enhanced- improvements to transportation and transit infrastructure and services prioritize areas of higher poverty, and increased interconnectivity to employment and affordable goods and services.

#### **SUBMITTED BY**

**Department:** Transit

**Division:** Asset Management Office

**Prepared by:** Erin Cooke, Program Manager – Transition to Zero Emission Buses

**Date:** June 2, 2025

# **Appendices**

Appendix A – Key Project Facts

Appendix B – Financial Forecast

Appendix C – Key Project Events (History)

# Appendix A – Key Project Facts

| Appendix A – Key Project Facts              |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Project Name                                | Transition to Zero Emission Bus            |  |  |  |  |  |  |
| Business Owner (Department)                 | Transit                                    |  |  |  |  |  |  |
| Project ID                                  | 4210000221,4210000222,4210000223,          |  |  |  |  |  |  |
|   | 4210000224, 4210000225, 4210000226         |  |  |  |  |  |  |
| Project Sponsor                             | Greg Ewankiw                               |  |  |  |  |  |  |
| Department Responsible for Project Delivery | Transit                                    |  |  |  |  |  |  |
| Consultant Engineer (Company Name)          | N/A  |  |  |  |  |  |  |
| Adopted Budget                              | \$280.391M                                 |  |  |  |  |  |  |
|   | Adopted as a scalable program; current     |  |  |  |  |  |  |
| Class of Estimate (Adopted)                 | estimate of existing and planned awards is |  |  |  |  |  |  |
|   | Class 2                                    |  |  |  |  |  |  |
| Range of Estimate (Adopted)                 | -15% to +20%; \$238.332M to \$336.469M     |  |  |  |  |  |  |
| Amended Budget                              | N/A  |  |  |  |  |  |  |
| Class of Estimate (Amended)                 | N/A  |  |  |  |  |  |  |
| Range of Estimate (Amended)                 | N/A  |  |  |  |  |  |  |
| Project Scope                               |  |  |  |  |  |  |  |

The Transition to Zero Emission Buses is multi-year Project to provide Winnipeg Transit with the data necessary to understand the costs, performance, and operational challenges associated with zero-emission transit, while providing sufficient time for the development of strategies to transform Winnipeg Transit from a diesel bus operator to a zero-emission bus operator. Clean diesel buses and zero emission buses (ZEB) with either battery electric or fuel cell battery electric propulsion systems to replace older model diesel buses and to also address Transit operational requirements.

The Project also includes the purchase and installation of up to 18 chargers and 72 charge dispensers and associated civil and electrical works including utility connections, electrical service updates, transformers, and equipment installation and commissioning of charging infrastructure anticipated to be installed at the Winnipeg Transit Garage located at 600 Brandon Avenue; hydrogen production and/or dispensing equipment will be installed outdoors at the Winnipeg Transit property located at 421 Osborne Street including, site development, soil remediation, utility connections to existing water and electrical service, new switching and transformers, and equipment installation and commissioning; and modifications to Winnipeg Transit's maintenance facility to accommodate service and maintenance of compressed hydrogen fueled buses.

Once completed, this Project will result in improved capacity of public transit infrastructure, and improved quality and/or safety of existing and/or future public transit.

#### Major Capital Projects Advisory Committee Membership:

- Greg Ewankiw, Director of Transit (Chair)
- Tracy Graham, Chief Financial Officer
- Jesse Crowder, Manager, Asset Management Office, Transit
- Bjorn Radstrom, Manager, Service Development, Transit
- Geoff Patton, Director, Assets & Project Management
- Danny Tooth, A/Manager, Major Projects Oversight, Assets and Project Management
- Matt Dryburgh, Interim Deputy Chief Administrative Officer
- Becky Raddatz, Manager Office of Sustainability, Water & Waste

# **Appendix B – Financial Forecast**

Appendix B - Project Transition to Zero Emission Bus Financial Forecast
As at April 30, 2025

|                                   | Budget (in 000's) |                                  |    |                              |         | Expenditure Forecast (in 000's) |    |        |    |        |    |                                  |    |        |               |          |   |      |                            |    |   |
|-----------------------------------|-------------------|----------------------------------|----|------------------------------|---------|---------------------------------|----|--------|----|--------|----|----------------------------------|----|--------|---------------|----------|---|------|----------------------------|----|---|
| Project Component Deliverables    | Fo                | Adopted/<br>precasted<br>Budget* | Α  | Council<br>pproved<br>Change | Amended |                                 |    |        |    |        |    | tual Costs<br>To<br>ril 30, 2025 |    | 2025   | ojeo          | cted Cos |   | 2027 | Total<br>recasted<br>Costs | (I | Surplus<br>Deficit)<br>From<br>mended<br>Budget |
| Engineering, Design and Other     | \$                | 2,192                            | \$ |                              | \$      | 2,192                           | \$ | 709    | \$ | 156    | \$ | 1,327                            | \$ | -      | \$<br>2,192   | \$       | - |      |                            |    |   |
| Construction                      | \$                | 269,638                          | \$ | -                            | \$      | 269,638                         | \$ | 90,535 | \$ | 54,749 | \$ | 58,870                           | \$ | 65,484 | \$<br>269,638 | \$       | - |      |                            |    |   |
| Land Acquisition                  | \$                | -                                | \$ | -                            | \$      | -                               | \$ | -      | \$ | -      | \$ | -                                | \$ | -      | \$<br>-       | \$       | - |      |                            |    |   |
| Internal Financing/Overhead Costs | \$                | 1,561                            | \$ | -                            | \$      | 1,561                           | \$ | 514    | \$ | 271    | \$ | 342                              | \$ | 434    | \$<br>1,561   | \$       | - |      |                            |    |   |
| Contingency                       | \$                | 7,000                            | \$ | -                            | \$      | 7,000                           | \$ | -      | \$ | -      | \$ | -                                | \$ | 7,000  | \$<br>7,000   | \$       | - |      |                            |    |   |
| Total Project Budget              | \$                | 280,391                          | \$ | -                            | \$      | 280,391                         | \$ | 91,758 | \$ | 55,176 | \$ | 60,539                           | \$ | 72,918 | \$<br>280,391 | \$       | - |      |                            |    |   |

| % of Project Budget Spent                         |       |       |
|---|-------|-------|
| (Actual Costs to Date / Adopted & Amended Budget) | 32.7% | 32.7% |

| Project #               | Adopted Budget <sup>1</sup> (in thousands) | Forecasted Budget (in thousands) | Total Budget (in thousands) | Actual Costs<br>(in thousands) |  |  |
|-------------------------|--|----------------------------------|-----------------------------|--------------------------------|--|--|
|                         |  |                                  |                             |                                |  |  |
| 4210000221              | 27,006                                     |                                  | 27,006                      | 8,683                          |  |  |
| 4210000222              | 49,775                                     |                                  | 49,775                      | 41,595                         |  |  |
| 4210000223              | 22,323                                     |                                  | 22,323                      | 20,260                         |  |  |
| 4210000224              | 38,703                                     |                                  | 38,703                      | 21,202                         |  |  |
| 4210000225              | 41,676                                     |                                  | 41,676                      | 18                             |  |  |
| 4210000226 <sup>1</sup> | 45,000                                     | 55,908                           | 100,908                     | -                              |  |  |
| Total                   | 224,483                                    | 55,908                           | 280,391                     | 91,758                         |  |  |

<sup>&</sup>lt;sup>1</sup> Adopted budget includes Council authorized first charge of up to \$45 million in 2025 or prior to the adoption of the 2026 capital budget.

# **Appendix C – Key Project Events (History)**

- On April 29, 2021, Council directed the Public Service to submit the Transition to Zero Emission Buses project to the Investing in Canada Infrastructure Program (ICIP) for Federal and Provincial funding under the Public Transit Infrastructure Stream (PTIS), subject to written confirmation of Federal and Provincial funding that is satisfactory to the Chief Financial Officer, including the 2021 Adopted Capital budget and 2022 to 2026 Five-Year forecast be amended to include \$280.391M for that project.
- On December 16, 2021, Council approved the 2022 Capital Budget, and amended the 2023 to 2027 Five-Year budget to include \$253.385M allocated to the Transition to Zero Emission Buses. The project total of \$280.391M also includes \$27.006M from the approved 2021 budget.
- On September 7, 2022, the Standing Policy Committee on Public Works approved the
  provisional award of the first contract extension for the Supply and Delivery of Heavy-Duty
  40ft. and 60ft. Low Floor Transit Buses in the amount of \$38,476,428 to New Flyer
  Industries subject to receipt of written confirmation of ICIP-PTIS funding. However, the price
  proposal from New Flyer Industries expired prior to confirmation of funding.
- On November 16, 2022, the City received notification from the Province that the Transition to Zero Emission Buses was approved for Federal and Provincial funding under the ICIP-PTIS stream. The notification outlined maximum eligible costs of \$276,638,000 with a maximum \$110,655,200 Federal and \$92,203,445 Provincial contribution, respectively.
- On November 29, 2022, the Standing Policy Committee on Public Works approved the
  provisional award to New Flyer Industries for supply and delivery of 16 Heavy-Duty 40 ft.
  and 60 ft. Low Floor zero-emission buses under RFP No. 539-2022 subject to written
  confirmation of ICIP funding. On December 15, 2022, New Flyer Industries was awarded
  the contract for supply and delivery of 16 Heavy-Duty 40 ft. and 60 ft. Low Floor zero
  emission buses under RFP No. 539-2022.
- On December 5, 2022, the Province provided interim information regarding the project contribution agreement, including an effective start date of October 25, 2022. Only expenditures signed on or after this date are eligible for reimbursement, with the exception of Climate Lens Assessments.
- On April 11, 2023, the Standing Policy Committee on Public Works approved the provisional award of the revised first contract extension for the Supply and Delivery of Heavy-Duty 40 ft. and 60 ft. Low Floor Transit Buses in the amount of \$41,478,462.40 to New Flyer Industries.
- On April 19, 2023, New Flyer Industries was awarded the contract for supply and delivery of up to 20 40 ft. and up to 23 60 ft. Heavy-Duty Low Floor Diesel Buses under RFP No. 901-2019 Extension 1.
- On September 11, 2023, the Standing Policy Committee on Public Works approved a provisional award of the second contract extension for Supply and Delivery of Heavy-Duty

- 40 ft. and 60 ft. Low Floor Transit Buses in the amount of \$34,134,911.10 to New Flyer Industries.
- On October 16, 2023, New Flyer Industries was awarded the contract for supply and delivery of up to 45 40 ft. Heavy-Duty Low Floor Diesel buses under RFP No. 901-2019 Extension 2.
- On December 13, 2023, NRG Management was awarded the contract for construction of Artic Room Modifications under RFP No. 807-2023.
- Effective February 14, 2024, Contract for Professional Owner Advocate Project
  Management Services for Installation of Hydrogen Production and Dispensing Infrastructure
  at 421 Osborne, RFP No. 64-2023, Purchase Order No 685779 with Colliers Project
  Leaders was been terminated for convenience.
- On February 22, 2024, Winnipeg Transit and NFI agreed to extend Contract 538-2022 for Supply and Delivery of Heavy-Duty Low Floor Zero Emission Transit Buses for the period of May 1, 2024 to April 30, 2025.
- A Contribution Agreement under the Investing in Canada Infrastructure Program was signed by the City and the Province on February 15, 2024.
- On April 25, 2024, KGS Group was awarded the contract for Consulting Services for Transit Hydrogen Station Site Development under RFP No. 1072-2023.
- On May 7, 2024, Azolla Hydrogen was awarded the contract for Supply & Service of Transit Fueling Station with Methanol to Hydrogen Generation, under RFPNo. 1042-2023.
- On May 10, 2024, Siemens Canada LTD was awarded the contract for a mobile 50kW DC charger under MM No.386-2024
- On May 15, 2024, McCaine Electric was awarded the contract for Direct Current Fast Charging at 600 Brandon Avenue Transit Garage.
- On June 5, 2024, City Electric Supply was awarded the contract for electrical parts, materials, and supplies for construction and installation of provisions for operating a mobile 50kW DC charger at the maintenance garage located at 421 Osborne Street and storage garage at 600 Brandon, under MM No. 415-2024
- On September 12, 2024, the Standing Policy Committee on Public Works approved the provisional award of the first contract extension for Supply and Delivery of Heavy-Duty Low-Floor Zero Emission Transit Buses in the amount of \$39,117,167.76 to New Flyer Industries.
- On September 26, 2024, New Flyer Industries was awarded the contract for supply and delivery of up to 24 40 ft. Heavy-Duty Low-Floor Zero-Emission Buses under RFP No. 538-2022 Extension 1.
- On October 24, 2024, Spika Design & Manufacturing, Inc was awarded the contract for the Supply and Delivery of Bus Rooftop Work Platforms RFP 656-2024.
- On October 24, 2024 Wintec Building Services was awarded the contract for demolition and paving work at Transit's Fort Rouge Garage parking lot C under MM No. 926-2024.
- On April 1, 2025, Keller Equipment Supply Ltd. was awarded the contract for Supply and Delivery of Mobile Column Lifts RFP No. 1047-2024.