



# **Hydrogen Fuel Cell Electric Bus (FCEB) Pilot Project Update**

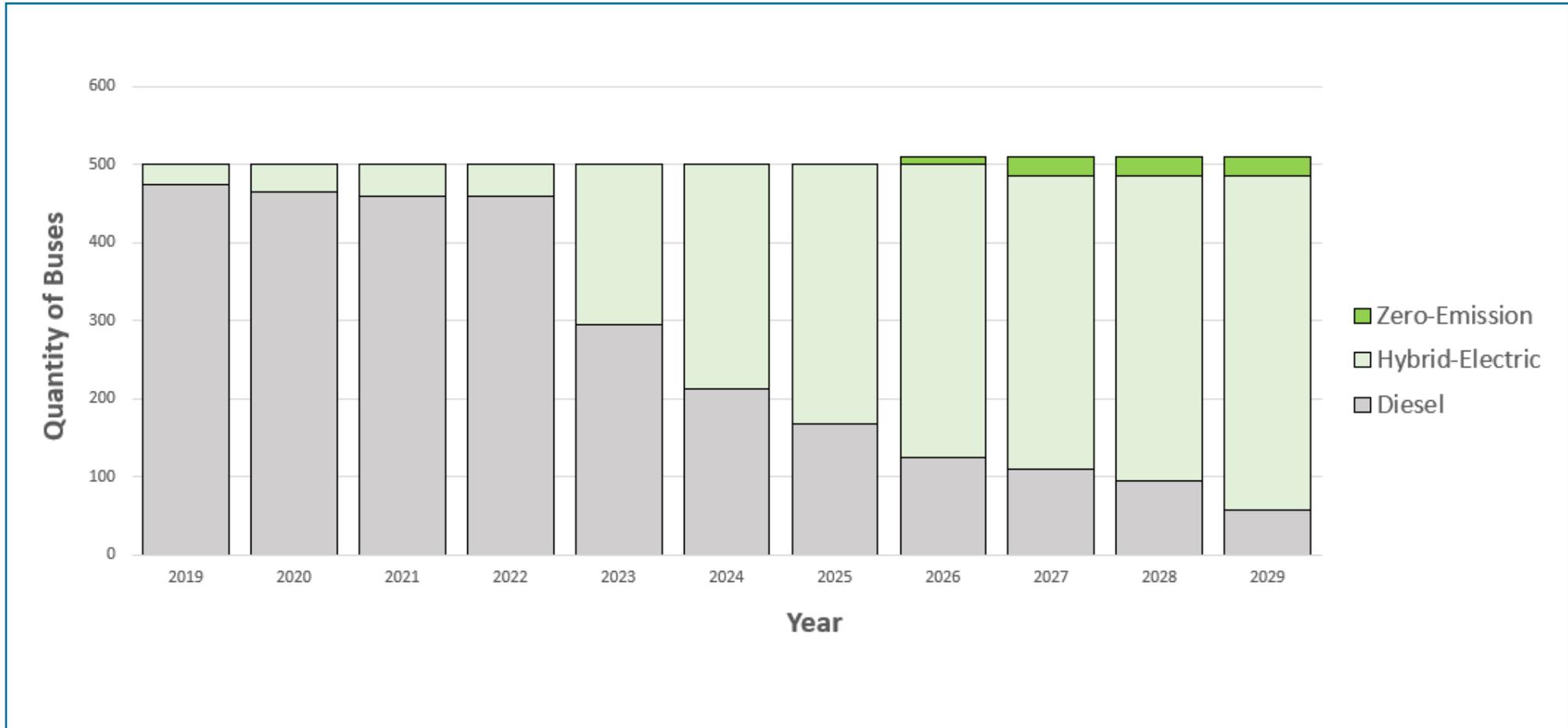
*Environmental Action Committee (EAC)*

# MiWay's GHG Emission Reduction Targets

	2018 GHG tCO2e	2018 % GHG	2030 GHG tCO2e	2030 % GHG
<b>Buildings</b>	19,518	25%	7,222	25%
<b>Corporate Fleet</b>	3,786	5%	1,401	5%
<b>Fire Fleet</b>	816	1%	302	1%
<b>Transit Fleet</b>	<b>53,013</b>	<b>68%</b>	<b>19,615</b>	<b>68%</b>
<b>Streetlighting</b>	434	1%	161	1%
<b>Waste</b>	904	1%	335	1%
<b>Total</b>	<b>78,471</b>	<b>100%</b>	<b>29,035</b>	<b>100%</b>



# MiWay Fleet Transition over Time



Hybrid-Electric Buses Will Make up 73% of Total Buses by 2026

# Hydrogen Fuel Cell Electric Bus (FCEB) Deployment<sup>7.3</sup>

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## Project Purpose

- Under the Federal Zero Emissions Transit Fund (ZETF), MiWay is set to be Ontario's first municipality to pilot (10) x 40' Hydrogen FCEBs, marking this the largest Hydrogen FCEB fleet in Canada.

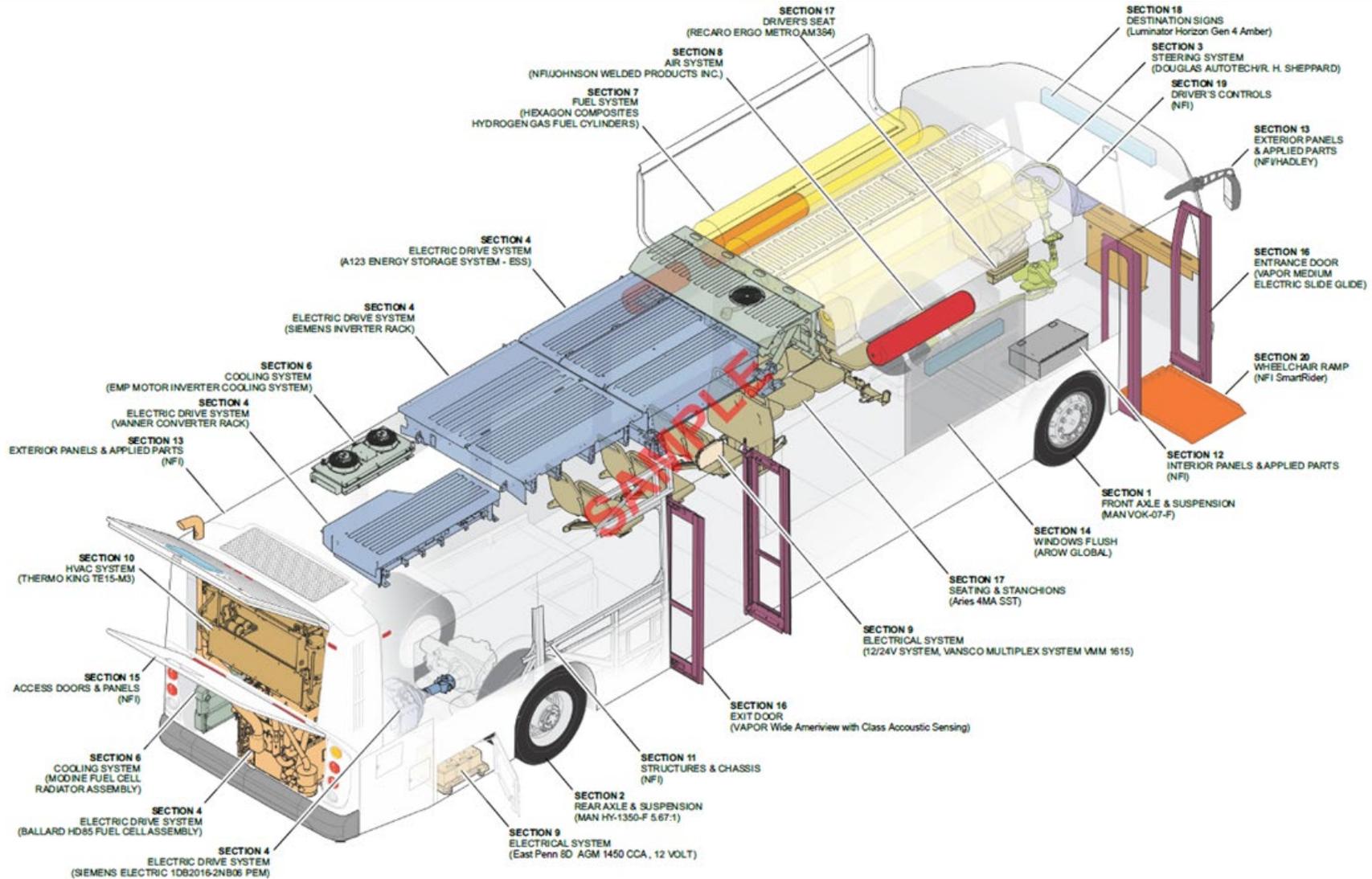
## Project Status

- MiWay received Council approval for the purchase of (10) x Hydrogen FCEBs with New Flyer in September 2024
  - MiWay staff are currently finalizing the technical specifications and contract. PO targeted to be issued in June.
  - Buses targeted for delivery in Q2 2026.
- MiWay received Council approval for the supply and delivery of hydrogen fuel from Enbridge in February 2025.
  - MiWay staff are working with Enbridge on the installation of the fueling infrastructure network.

## Project Partners



# Hydrogen Bus Schematic Layout



# Why Does Hydrogen Work for Mississauga?

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- Energy & Infrastructure Requirements
- Service profiles – BEB limitations
- Fueling Strategy & Emissions Reductions
- Many Other Battery-Electric Trials in GTA



# Thank you

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