



Hydrogen Fuel Cell Electric Bus (FCEB) Pilot Project Update

Environmental Action Committee (EAC)

MiWay's GHG Emission Reduction Targets

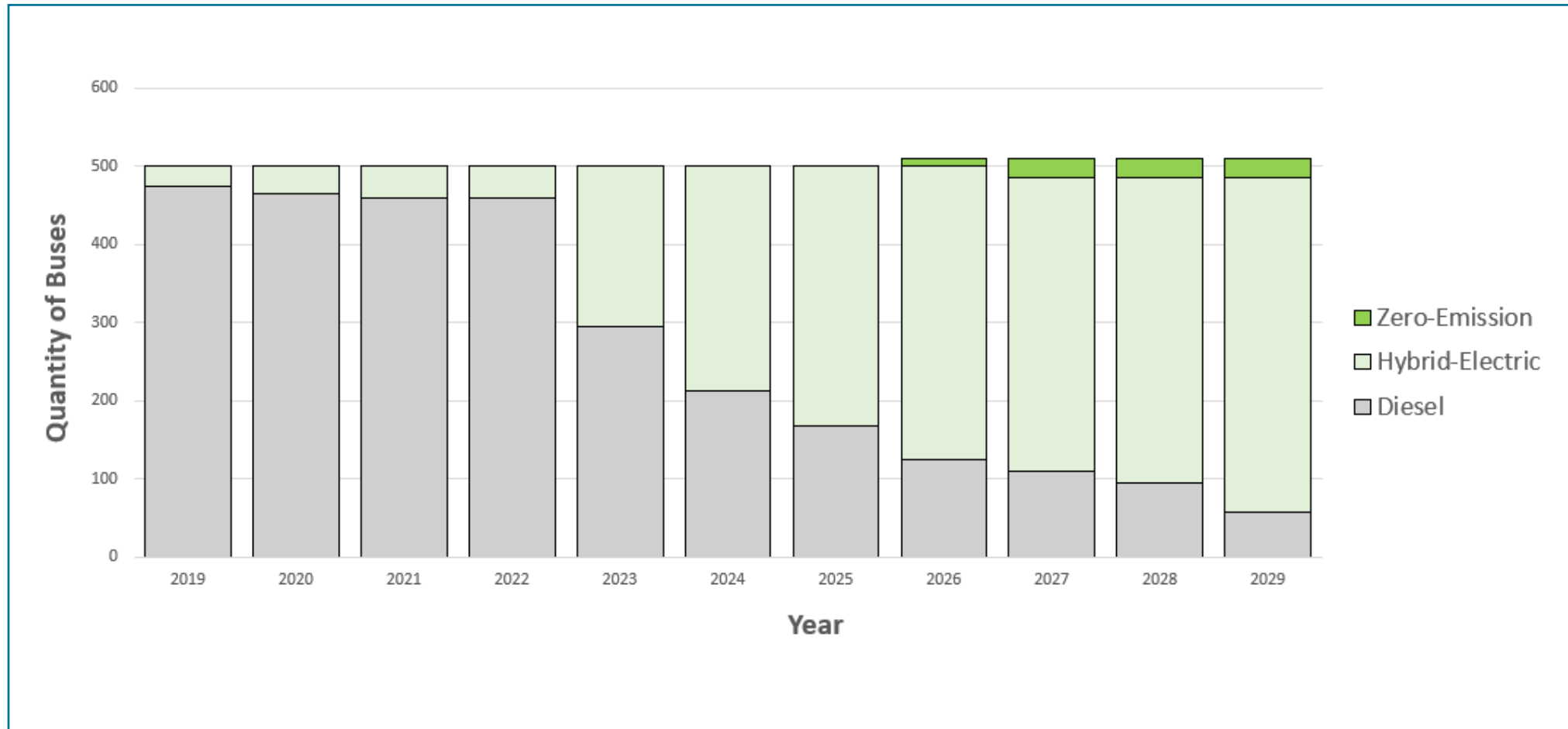
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	2018	2018	2030	2030
	GHG tCO2e	% GHG	GHG tCO2e	% GHG
Buildings	19,518	25%	7,222	25%
Corporate Fleet	3,786	5%	1,401	5%
Fire Fleet	816	1%	302	1%
Transit Fleet	53,013	68%	19,615	68%
Streetlighting	434	1%	161	1%
Waste	904	1%	335	1%
Total	78,471	100%	29,035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



MiWay Fleet Transition over Time

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

Hydrogen Fuel Cell Electric Bus (FCEB) Deployment^{7.3}

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.

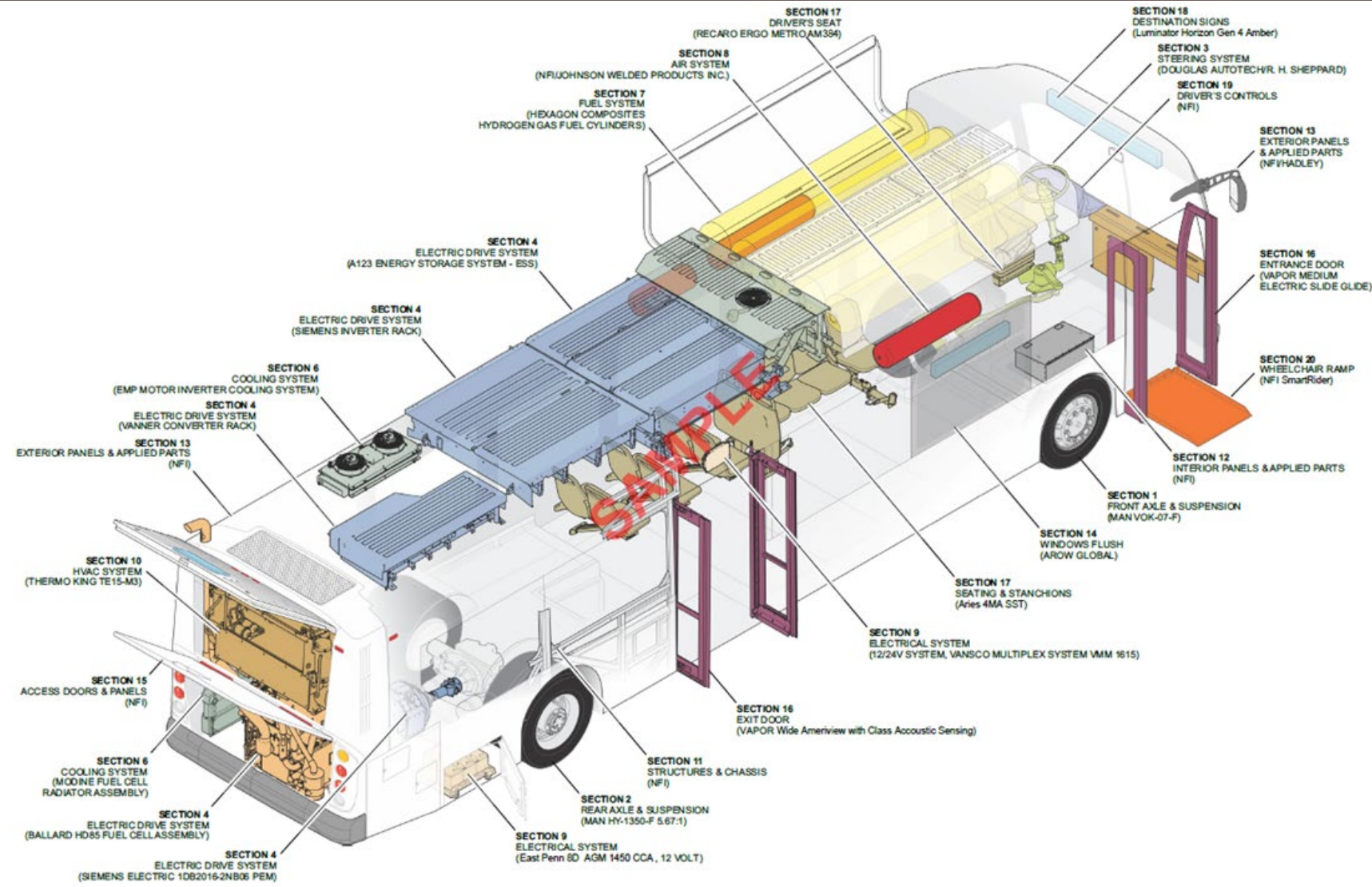
Project Status

- 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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