

City Operations

**CO02453 Municipal Fleet
Hydrogen Pilot Project
Agreement**

The logo for the City of Edmonton, featuring the word "Edmonton" in white text on a blue square background.

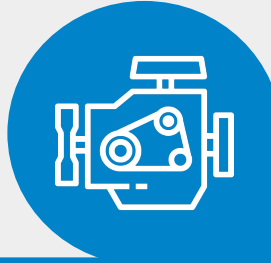
Fleet and Facility Services
edmonton.ca/CityOperations

**TRANSITIONING OUR FLEET
TO GREENER TECHNOLOGIES**



ICE (Internal Combustion Engine)

- Energy efficiency
- Size reduction



ELECTRIC

- Plug-in hybrid
- Hybrid
- Battery electric



HYDROGEN

- Hydrogen combustion
- Hydrogen fuel cell
- Dual fuel



EMERGING TECHNOLOGIES

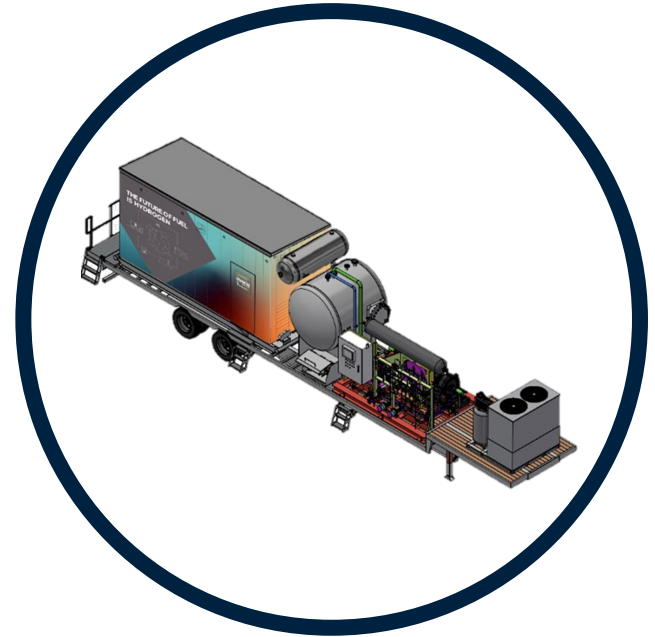
- Alternative fuels
- Other emerging technologies



Implementation

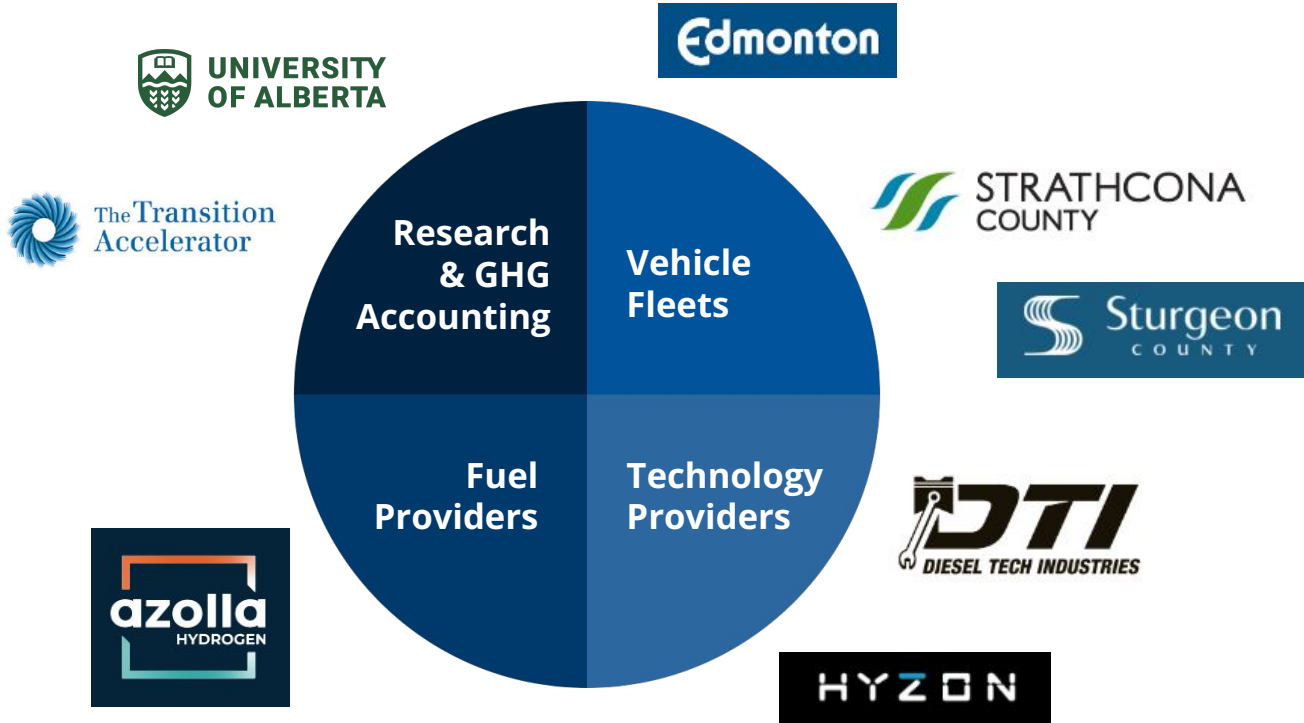
3 Year Project

- **ERA Grant Funding: \$6.9 million**
- **Total Project Value: \$28 million**
 - No additional funding required
 - Project utilizing current COE assets
- **59+ units in-revenue service requiring fueling**
- **Demonstrated sitting and moving of fueling trailers**



AZEFF Project Partners

Project Lead: City of Edmonton



Knowledge Sharing & Industry Support



Recommendation

- That an agreement between the City of Edmonton and Azolla Hydrogen Ltd., as outlined in Attachment 1 of the May 23, 2024, City Operations report CO02453 be approved, and that the agreement be in form and content acceptable to the City Manager.
- That Attachment 1 of the May 23, 2024, City Operations report CO02453, remain private pursuant to sections 25 (disclosure harmful to economic and other interests of a public body) and 27 (privileged information) of the *Freedom of Information and Protection of Privacy Act*.

Thank you. Questions?

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