

State of Wisconsin

# Light Duty Alternative Fuel Vehicles Info Sheet

Version 1, April 2025



1. Alternative Fuel Vehicles in DNR's Fleet. From left to right: Natural Gas Vehicle, Hybrid Vehicle, Fully Electric Vehicle

Prepared by the Wisconsin Office of Sustainability and Clean Energy and the Universities of Wisconsin.



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Sustainability  
& Clean Energy





# Overview

**The Governor’s Task Force on Climate Change Report published in 2020 instructs agencies to “Adopt a policy of replacing state fleet vehicles and off-road equipment with EVs and electric equipment whenever it is cost-effective, considering total cost of ownership— purchase price (reduced by any Focus on Energy®, utility, or other incentives), projected operating cost savings from using electricity instead of fossil fuels, reduced maintenance costs, and reduction of carbon and other emissions (applying a reasonable cost for carbon and other pollutants reflecting their impacts) (37-38)”.**

## Scope

The goal of this info sheet is to provide resources for vehicle purchasers and operators who use the state’s vehicle contracts to transition their fleet to Alternative Fuel Vehicles as recommended by statute and the State’s Clean Energy Plan.

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For questions regarding this document, or other clean fleet policies, please reach out to the Office of Sustainability and Clean Energy at [OSCE@wisconsin.gov](mailto:OSCE@wisconsin.gov) or the Sustainability Coordinators in the Universities of Wisconsin Office of Capital Planning & Budget at [sustainability@wisconsin.edu](mailto:sustainability@wisconsin.edu).

# Alternative Fuel Vehicles on Model Year 25 Contract

The table below lists the vehicles available under the [State of Wisconsin's Model Year 2025 contract](#). Before making any procurement decisions, please review the vehicle contracts in VendorNet.

This table (and subsequent tables) includes an “Estimated EV Range (miles)” column based on EPA data (fuelconomy.gov) assuming 45% highway and 55% city driving. A red 'N/A' in the price column means the vehicle was unavailable for purchase when this data was compiled (subject to change). An orange cell in “Est. mpg” column means no estimated mpg was provided in VendorNet.

Make	Model	Body Style	Engine				Estimated EV Range (miles)	Estimated Direct Pay Credit	Use Type
			Electric	Hybrid	Est. mpg Charge (EV)	Est. mpg C/H (Hybrid)			
Chevrolet	Blazer EV Police Package (2 options)	SUV	\$51,990		103/88		250	\$ 7,500	Lawenforcement
Ford	Police Interceptor Utility	SUV		\$45,740				0	Lawenforcement
Ford	F150 LIGHTNING PRO Special Service - Crew w/5.5' Box	Truck	\$44,340		76/61		240	\$ 7,500	Lawenforcement
Ram	Promaster 3500 Cargo Ext Leng	Van	N/A		162		164	\$ 7,500	Cargo Van
HYUNDAI	Elantra Blue	Sedan		\$27,660		51/58		0	Passenger
HYUNDAI	Sonata SEL	Sedan		\$27,960		25/36		0	Passenger
HYUNDAI	Ioniq 6 SE	Sedan	\$42,429		130/111		240	\$ 7,500	Passenger
Volkswagen	ID.4 - Standard	Sedan	\$40,710				263	\$ 7,500	Passenger
Volkswagen	ID.4 - PRO	Sedan	\$49,427				263	\$ 7,500	Passenger
Chevrolet	Blazer EV	SUV	\$51,000		103/88		334	\$ 7,500	Passenger
Chevrolet	Blazer EV	SUV	\$44,760		103/88		283	\$ 7,500	Passenger
Chevrolet	Equinox EV	SUV	\$31,850		117/99		319	\$ 7,500	Passenger
Chevrolet	Equinox EV	SUV	\$36,650		285 mi		307	\$ 7,500	Passenger
Ford	Mustang Mach-E	SUV	\$33,300		106/98		320	\$ 7,500	Passenger
Ford	Mustang Mach-E	SUV	\$36,700		95/88		300	\$ 7,500	Passenger
Ford	Escape PHEV	SUV		\$36,620				\$ 7,000	Passenger
Ford	Escape ST Hybrid - FWD	SUV		\$36,250				0	Passenger
Ford	Escape ST SELECT Hybrid - AWD	SUV		\$32,310				0	Passenger
Ford	Escape ST Elite Hybrid - AWD	SUV		\$35,930				0	Passenger
GMC	Hummer EV 2 e4wd	SUV	\$101,232		303 MI		303	\$ 7,500	Passenger
GMC	Hummer EV 3 e4wd	SUV	\$111,332		314 MI		304	\$ 7,500	Passenger
HYUNDAI	ELANTRA HYBRID	SUV		\$27,660		51/58			Passenger
HYUNDAI	KONA - ELECTRIC	SUV	\$30,160		131/105			\$ 7,500	Passenger
HYUNDAI	IONIQ 5 SE	SUV	\$36,660		127/94		305	\$ 7,500	Passenger
HYUNDAI	IONIQ 6 SE	SUV	\$34,200		153/127		338	\$ 7,500	Passenger
HYUNDAI	NEXO Fuel Cell - BLUE	SUV	\$64,360		65/58		?		Passenger
HYUNDAI	SANTA FE - HYBRID	SUV		\$33,430		36/35		0	Passenger
HYUNDAI	SANTA FE PLUG-IN HYBRID	SUV		N/A				\$ 7,000	Passenger
HYUNDAI	TUSCON HYBRID	SUV		\$33,430		38/38		0	Passenger
HYUNDAI	TUSCON PLUG-IN HYBRID	SUV		\$40,560		80		\$ 7,000	Passenger
KIA	NIRO LX - HEV	SUV		\$28,856		53 54		0	Passenger
KIA	NIRO EX - HEV	SUV		\$30,123		53 54		0	Passenger
KIA	NIRO EX - PHEV	SUV		\$34,753				\$ 7,000	Passenger
KIA	SORENTO EX - HYBRID	SUV		N/A				0	Passenger
KIA	SORENTO EX- PHEV	SUV		N/A				\$ 7,000	Passenger
KIA	EV6 - EV	SUV		N/A			149	0	Passenger
KIA	EV9 - EV LIGHT	SUV		N/A			230	0	Passenger
Nissan	ARIYA ENGAGE FWD	SUV	\$34,660		109/94		216	\$ 7,500	Passenger
Nissan	ARIYA ENGAGE AWD	SUV	\$38,660		101/89		205	\$ 7,500	Passenger
Nissan	ARIYA VENTURE FWD	SUV	N/A				304	\$ 7,500	Passenger
Nissan	ARIYA EVOLVE FWD	SUV	\$37,460		111/95		289	\$ 7,500	Passenger
Nissan	ARIYA ELVOLVE+ e-4ORCE	SUV	\$41,160		97/86		272	\$ 7,500	Passenger
SUBARU	SOLTERRA EV	SUV	\$47,000				227	\$ 7,500	Passenger
Chevrolet	1500 EV - SHORT BED (3 WT options on contract cheapest	Crew	\$55,360				440	\$ 7,500	Passenger (Pickup)
Ford	Maverick XL	CREW		\$27,230		42/33		0	Passenger (Pickup)
Ford	Maverick XLT	CREW		\$28,910		42/33		0	Passenger (Pickup)
Ford	F150 Lightning Pickup - PRO	CREW	\$44,260		76/61		320	\$ 7,500	Passenger (Pickup)
Ford	F150 Lightning Pickup - XLT	CREW	\$52,240		76/61		320	\$ 7,500	Passenger (Pickup)



## Alternative Fuel Vehicles on Model Year 2024-25 Contract

The table below lists the vehicles available under the [State of Wisconsin's Model Year 2024-2025 contract](#). Before making any procurement decisions, please review the vehicle contracts in VendorNet.

Make	Model	Body Style	Engine				Estimated EV Range (miles)	Estimated Direct Pay Credit	Use Type
			Electric	Hybrid	Est. mpg Charge (EV)	Est. mpg C/H (Hybrid)			
HYUNDAI	IONIQ 6 - SE	Sedan	\$47,486		130/111		316	7500	Passenger
HYUNDAI	ELANTRA Hybrid - BLUE	Sedan		N/A				0	Passenger
HYUNDAI	SONATA Hybrid - BLUE	Sedan		\$32,004		45/51		0	Passenger
Nissan	LEAF S 40 kWh	Hatch	\$27,273		123/99		149	7500	Passenger
Nissan	LEAF SV 60 kWh	Hatch	\$34,886		121/98		212	7500	Passenger
	Hummer EV Pickup e4wd	CREW	\$98,399				314	7500	Passenger
Chrysler	Pacifica Select PHEV	Minivan		\$51,962				7000	Passenger
Jeep	Grand Cherokee PHEV 4xe	SUV		\$57,513		56		7000	Passenger
Jeep	Wrangler Unlimited Sahara 4xe	SUV		\$55,106		49		7000	Passenger



2. DOC's 2024 Chrysler Pacifica Minivan Plug-in-Hybrid



## Elective Pay Tax Credits

**State and local governments can use Elective Pay (Direct Pay) tax credits to receive refundable payments for purchasing eligible clean vehicles and EV charging infrastructure instead of reducing tax liability.** Both the State of Wisconsin and the Universities of Wisconsin have established procedures for accessing these tax credits. An eligible clean vehicle or EV charging infrastructure is reported on the tax return for the year it is placed in service. These tax credits are expected to remain through at least 2025, but the **current federal administration could modify or eliminate them.**

- Battery Electric Vehicles (BEVs) and Hydrogen Fuel Cell Vehicles may qualify for \$7,500.
- Plug-in Hybrid Electric Vehicles (PHEVs) with a minimum battery size may qualify for \$7,000.
- Level 2 Chargers for fleet depots and DC Fast Chargers for rapid fleet recharging may be eligible if installed in low-income or rural areas for a percentage of the installation and infrastructure cost.

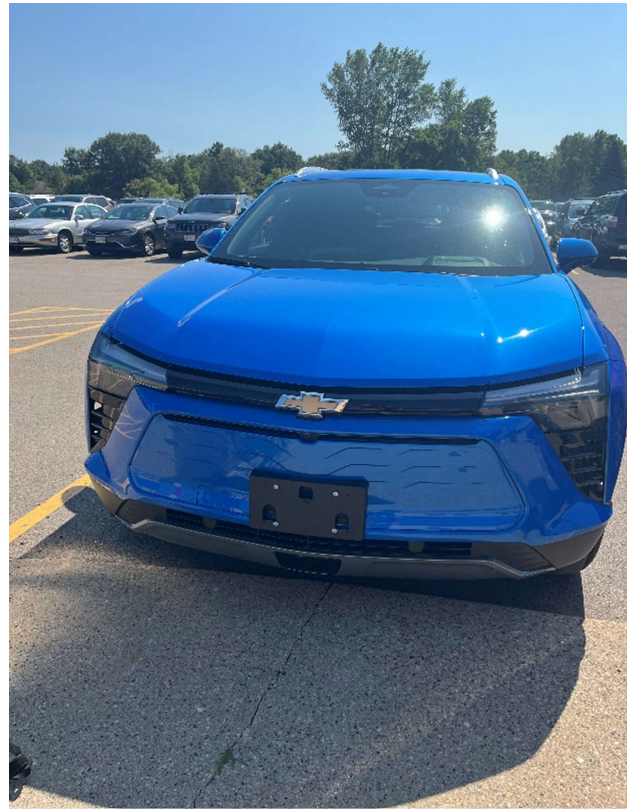


3. DNR Fleet Vehicle, 2023 Chevy Silverado Fully Electric Vehicle

## Total Cost of Ownership & Procurement Comparisons

**Total Cost of Ownership (TCO)** encompasses all expenses related to acquiring, operating, and maintaining a vehicle over its entire lifecycle. This includes the initial purchase price and ongoing costs such as maintenance, repairs, upgrades, and energy consumption. TCO helps fleet managers assess the true long-term costs of an investment, going beyond just the upfront price. As EVs have significantly different fuel and maintenance needs than internal combustion engine (ICE) vehicles, a TCO analysis is especially important.

The tables below display several TCOs and were created using an analysis tool from Atlas Public Policy. You can find this tool to use on your own fleet at <https://atlaspolicy.com/fleet-procurement-analysis-tool>. The data entered into this tool comes from fleet vehicles listed on state fleet contracts. **Fleet managers considering alternative fuel vehicles are encouraged to use the tool and adjust settings to better reflect their intended vehicle use.** The comparisons do not include the anticipated federal tax credit or the cost of carbon pollution.



4. DHS's 2025 Chevrolet Blazer fully electric vehicle

The TCOs included below have been edited for clarity. Some categories that do not affect cost have been removed such as “taxes and fees” and “financing”. Additionally, the category titled “Purchase Cost” in the below graphs are called “Depreciation” in the Excel Procurement Tool. For questions about the data and assumptions used in the tables below, please contact the Office of Sustainability and Clean Energy and review the [Fleet Procurement Analysis Tool User Guide](#).

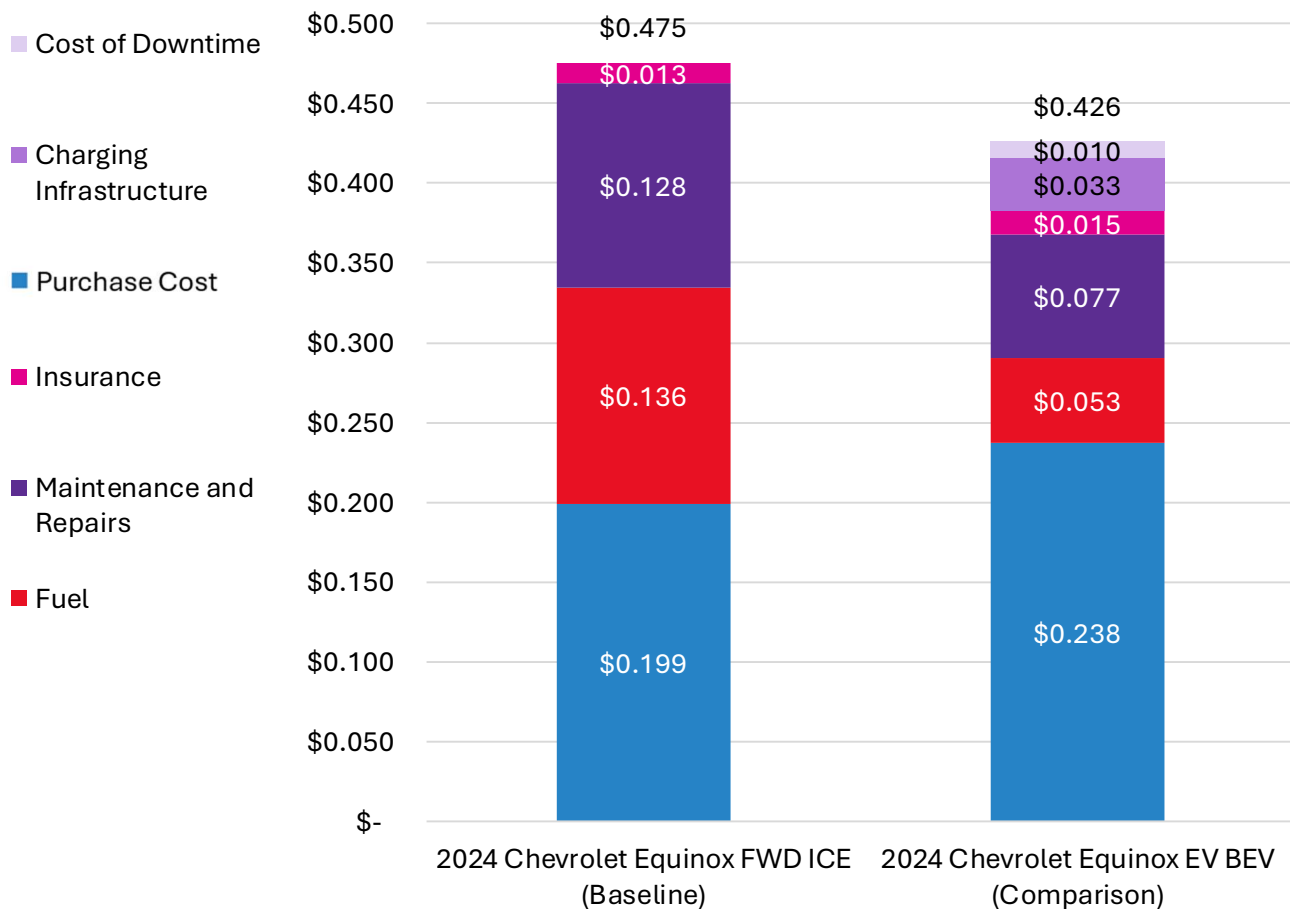
## SUV - Chevrolet Equinox ICE and Chevrolet Equinox EV with Cost of Charging Infrastructure Included

### Results - Fleet Procurement Analysis Tool

Procurement Name: Chevy Equinox SUV gas&EV w. level 2 charger

### Procurement Summary

Vehicle Cost per Mile (Nominal)



**The baseline is 10.44% more expensive than the comparison vehicle**

The bar chart shows the costs per mile for the baseline and comparison vehicles. The ICE costs \$0.475 per mile, whereas the EV costs \$0.426 per mile, making the baseline approximately 10% more expensive. Analysis assumed 100,000 miles of vehicle use and the installation of a Level 2 charger at a cost of \$3,235.

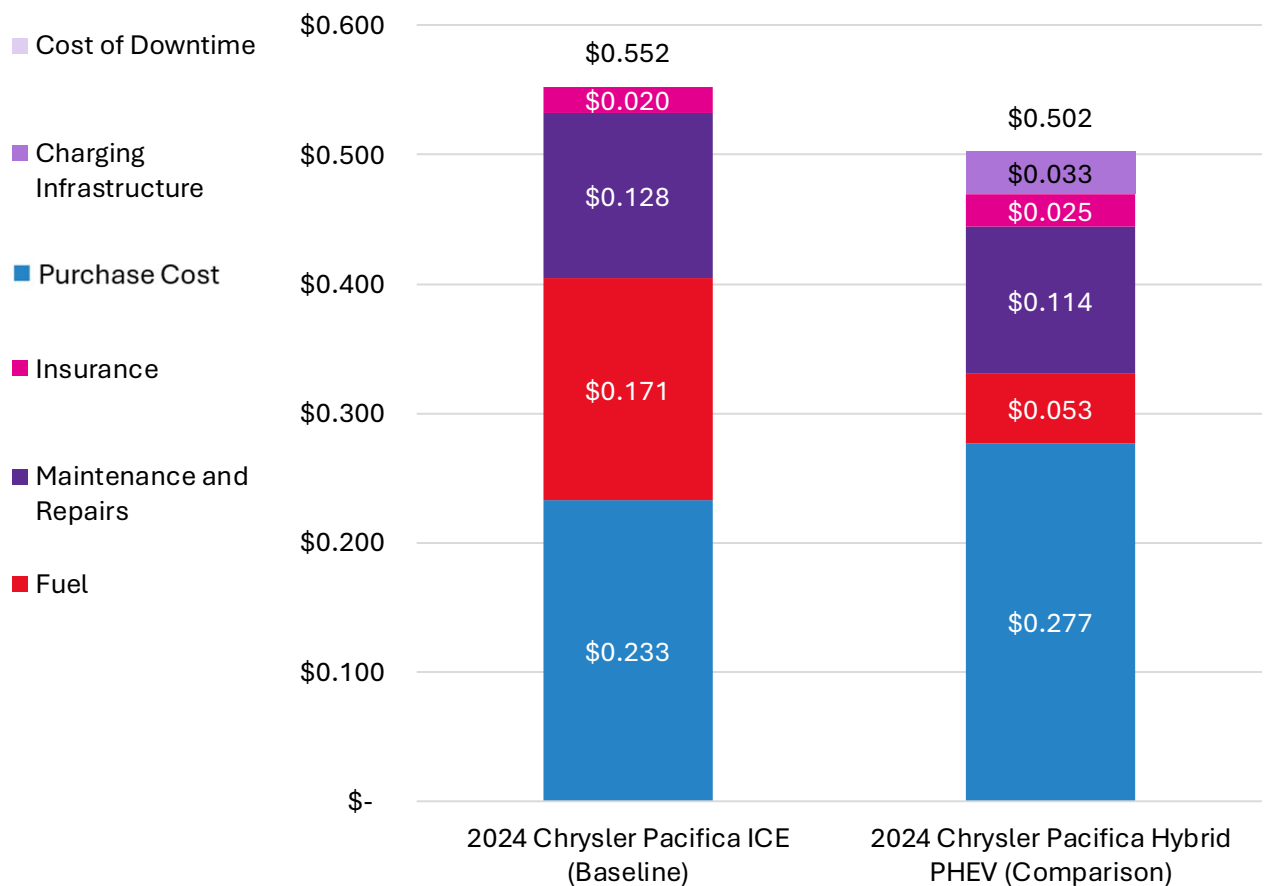
## Minivan - Chrysler Pacifica ICE and Chrysler Pacifica PHEV with Cost of Charging Infrastructure Included

### Results - Fleet Procurement Analysis Tool

Procurement Name: Chrysler Pacifica Minivan ICE&PHEV w. level 2 charger

### Procurement Summary

Vehicle Cost per Mile (Nominal)



**The baseline is 9.06% more expensive than the comparison vehicle**

The bar chart shows the costs per mile for the baseline and comparison vehicles. The ICE costs \$0.552 per mile, whereas the EV costs \$0.502 per mile, making the baseline approximately 9% more expensive. Analysis assumed 100,000 miles of vehicle use and the installation of a Level 2 charger at a cost of \$3,235.

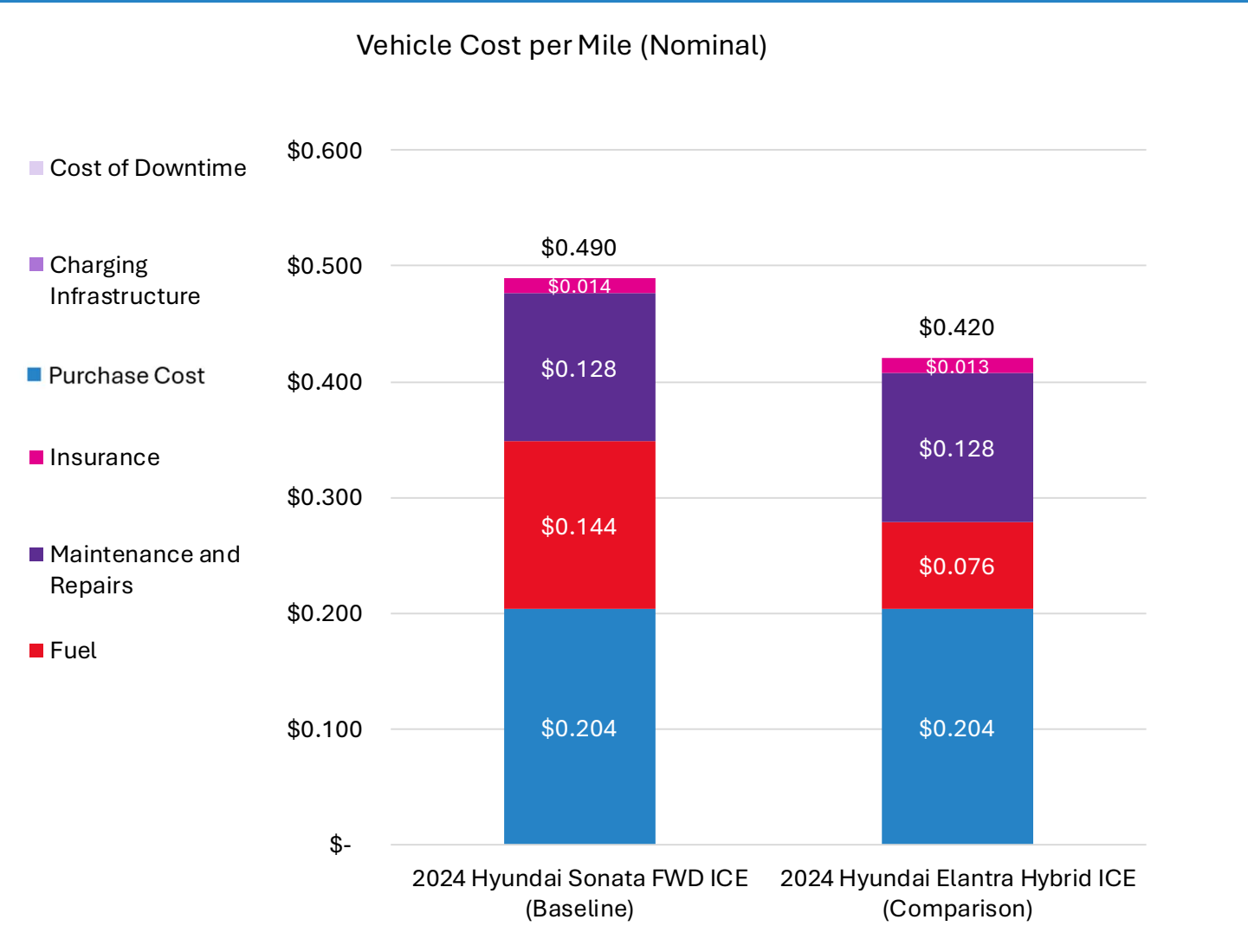


Sedan - Hyundai Sonata ICE and Hyundai Elantra Hybrid Electric Vehicles (HEV/ICE)

Results - Fleet Procurement Analysis Tool

Procurement Name: Hyundai Sonata&Elantra sedan ICE&HEV w.o charger

Procurement Summary



The baseline is 14.17% more expensive than the comparison vehicle

The bar chart shows the costs per mile for the baseline and comparison vehicles. The ICE costs \$0.490 per mile, whereas the EV costs \$0.420 per mile, making the baseline approximately 14% more expensive. Analysis assumed 100,000 miles of vehicle use and the installation of a Level 2 charger at a cost of \$3,235.