

Vehicle Comparison – Diesel, CNG, EV, and Hydrogen

Infrastructure	Fuel Type	Cost of Truck	Fuel Capacity	Range	CI Score	Payload
No Infrastructure Investment	Diesel	\$ 116,000	100 gallons	800 mi	100.45	
	B20	\$ 116,000	100 gallons	800 mi	88.35	100%
	RD	\$ 116,000	100 gallons	800 mi	36.00	
Modest Infrastructure Investment	CNG	\$ 172,000	135 gallons	810 mi	79.21	
	RNG - Landfill	\$ 172,000	135 gallons	810 mi	43.00	96%
	RNG - Dairy	\$ 172,000	135 gallons	810 mi	-254.94	
High Infrastructure Investment	EV - Grid	??	600 kWh	300 mi	81.49	76%
	EV - Solar	??	600 kWh	300 mi	0.00	76%
	EV - Long Range	??	1000 kWh	500 mi	81.49	59%
	Hydrogen - Natural Gas	??	250 kWh + 80 kg	600 mi	146.38	98%
	Hydrogen - Solar	??	250 kWh + 80 kg	600 mi	10.51	98%

- *Vehicle prices are estimates based on publicly available information for trucks available in the marketplace*
- *CI Scores as established by the California Air Resources Board*
- *Payload estimates relative to traditional diesel truck and trailer weight – 80,000 lbs max, with deductions for estimated battery weight*

