

E-450 Balance Hybrid - Fuel / Emissions Savings

Ford E-450 / Freightliner MT-45 Fuel Savings and CO2 Impact versus E-450 Balance Hybrid	Ford E-450	Freightliner MT-45	Ford E-450
	Gasoline	Diesel	Gas / Hybrid
	Walk-in Van	Walk-in Van	Walk-in Van
NREL Laboratory Test Rating MPG ¹	6.5	9.52	9.32
Miles per year ²	20,000	20,000	20,000
Annual Gallons	3,077	2,101	2,146
Annual Diesel Exhaust Fluid (D.E.F.) Gallons	N / A	67	N / A
Fuel Cost per gallon ³	\$3.690	\$4.040	\$3.690
Fuel Cost per gallon D.E.F. ³	N / A	\$2.790	N / A
Annual Fuel Cost	\$11,353.85	\$8,487.39	\$7,918.45
Annual Diesel Exhaust Fluid (D.E.F.) Cost	N / A	\$186.00	N / A
Average Daily Fuel / Energy Cost	\$45.42	\$34.69	\$31.67
Annual Cost Reduction Percent vs Balance Hybrid	30.3%	8.7%	N / A
Annual Fuel Cost Savings vs Balance Hybrid	\$3,435.39	\$568.94	N / A
Annual lbs of CO ₂ Emissions per year ⁴	59,692	46,639	41,631
Chassis Price	\$22,500.000	\$48,583.000	\$22,500.000
Hybrid Price	N / A	N / A	\$38,850.000
Body Price	\$20,000.000	\$20,000.000	\$20,000.000
Total Purchase Price	\$42,500.000	\$68,583.000	\$81,350.000
California HVIP Incentive	N / A	N / A	\$20,000.000
Revised Purchase Price	\$42,500.000	\$68,583.000	\$61,350.000
Hybrid Incremental Cost	\$18,850.000	-\$7,233.000	N / A

¹ NREL - Laboratory MPG Test Rating Orange County Bus Cycle Technical Report NREL/TP-5400-48896, January 2011

² 80 miles per day * 250 operating days per year = 20,000 miles per year

³ Clean Cities Quarterly Alternative Fuel Price Report - April 2011 / ⁴ 19.4 lbs of CO₂ / gal gasoline, 22.2 lbs of CO₂ / gal diesel

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