

## Instructions

1. Enter number of vehicles being compared
  2. Check data in grey cells for applicability to comparison
  3. Enter data in green cells
  4. Red triangles in the corners of cells indicate further instructions. Move mouse over triangle.
- Grey cells are standard values, but can be changed manually  
 Green cells require information to be entered  
 Note: if optional information is entered, it should be entered for all vehicles in the comparison  
 Blue cells are calculated automatically

Number of vehicles being compared **3**

### Assumptions common to all vehicles being compared

Discount rate	0.06
Annual km	15000
GHG liability (\$/tonne)	15
Expected years of service	5

### Fuel assumptions common to all vehicles being compared

	\$/L		CO2e/L		Renewable
	Type of renewable	Conventional	Renewable	Conventional	
Diesel	B20		\$1.25	0.0026	0.00208
Gasoline	E85	\$1.20	\$1.30	0.0025	0.0015

### Specific vehicle comparison

	Vehicle 1	Vehicle 2	Vehicle 3
Type of engine (diesel or gasoline)	gasoline	diesel	gasoline
Renewable fuel being used?	E85	B20	
Fuel cost (\$/L)	1.3	1.25	1.2
Fuel efficiency (L/100km)	10	12	15
Capital cost (\$)	\$30,000	\$35,000	\$25,000
Resale value (\$) (optional)	\$10,000	\$12,000	\$8,000
Operating cost (\$/yr) (optional)			
GHG emissions (tonnes CO2e/L)	0.0015	0.0021	0.0025
Fuel cost per year (\$/yr)	\$1,950	\$2,250	\$2,700
GHG emissions (tonnes CO2e/year)	2.25	3.74	5.63
GHG liability (\$/year)	\$34	\$56	\$84
Present value capital cost	\$30,000	\$35,000	\$25,000
Present resale value	(\$7,473)	(\$8,967)	(\$5,978)
Present value operating costs	\$0	\$0	\$0
Present value fuel costs	\$8,707	\$10,046	\$12,056
Present value GHG liability	\$151	\$251	\$377

**TOTAL Life Cycle Cost** **\$31,385** **\$36,330** **\$31,454**