

# Final Project: Energy Usage

Fuel Economy for all-Electric and Plug-in Hybrid Vehicles (2022-2023)

**VC Project by:**  
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**Visuals:**

- Treemaps (for each year) measuring charging time (240V in hours)
- Measuring city and hwy composite MPGe by carline type and model year

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Car Types MPG			Model Year				
Mfr Name (abbr)	Division (abbr)	Carline	Carline Gross Class	2002		2004	
				Avg. C.	Avg. F.	Avg. C.	Avg. F.
Audi	Audi	30 SE Sedan	Compact Cars	25.0	36.00	24.00	
		30 SE Compact Sedan	Compact Cars	24.0	35.00	24.00	
		30 SE Sedan	Compact Cars	24.0	36.00	24.00	
		30 SE Compact Sedan	Compact Cars	24.0	35.00	24.00	
		30 SE Sedan	Compact Cars	24.0	35.00	24.00	
BMW	BMW	320i Sedan	Large Cars	23.0	32.00	23.00	
		320i Sedan	Large Cars	23.0	32.00	23.00	
		320i Sedan	Large Cars	23.0	32.00	23.00	
Chrysler	Chrysler	PT Sedan	Small Cars	23.0	32.00	23.00	
		PT Sedan	Small Cars	23.0	32.00	23.00	
Ford	Ford	Focus Sedan	Compact Cars	23.0	32.00	23.00	
		Focus Sedan	Compact Cars	23.0	32.00	23.00	
General Motors	General Motors	Corvette Coupe	Small Cars	23.0	32.00	23.00	
		Corvette Coupe	Small Cars	23.0	32.00	23.00	
Honda	Honda	Accord Sedan	Large Cars	23.0	32.00	23.00	
		Accord Sedan	Large Cars	23.0	32.00	23.00	
Infiniti	Infiniti	Q45 Sedan	Large Cars	23.0	32.00	23.00	
		Q45 Sedan	Large Cars	23.0	32.00	23.00	
Jaguar	Jaguar	XJ Sedan	Large Cars	23.0	32.00	23.00	
		XJ Sedan	Large Cars	23.0	32.00	23.00	
Kia	Kia	Optima Sedan	Large Cars	23.0	32.00	23.00	
		Optima Sedan	Large Cars	23.0	32.00	23.00	
Lincoln	Lincoln	Navigator SUV	Large SUVs	23.0	32.00	23.00	
		Navigator SUV	Large SUVs	23.0	32.00	23.00	
Mazda	Mazda	Protege Sedan	Small Cars	23.0	32.00	23.00	
		Protege Sedan	Small Cars	23.0	32.00	23.00	
Mercedes-Benz	Mercedes-Benz	C-Class Sedan	Large Cars	23.0	32.00	23.00	
		C-Class Sedan	Large Cars	23.0	32.00	23.00	
Nissan	Nissan	Altima Sedan	Large Cars	23.0	32.00	23.00	
		Altima Sedan	Large Cars	23.0	32.00	23.00	
Porsche	Porsche	Boxster Coupe	Small Cars	23.0	32.00	23.00	
		Boxster Coupe	Small Cars	23.0	32.00	23.00	
Subaru	Subaru	Outback Sedan	Small Cars	23.0	32.00	23.00	
		Outback Sedan	Small Cars	23.0	32.00	23.00	
Toyota	Toyota	Camry Sedan	Large Cars	23.0	32.00	23.00	
		Camry Sedan	Large Cars	23.0	32.00	23.00	
Volkswagen	Volkswagen	Passat Sedan	Large Cars	23.0	32.00	23.00	
		Passat Sedan	Large Cars	23.0	32.00	23.00	
Volvo	Volvo	S60 Sedan	Large Cars	23.0	32.00	23.00	
		S60 Sedan	Large Cars	23.0	32.00	23.00	

[illegible]