

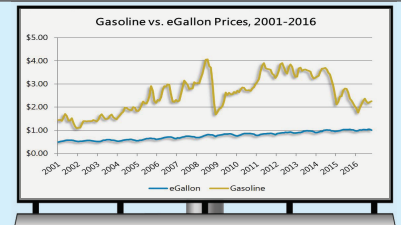
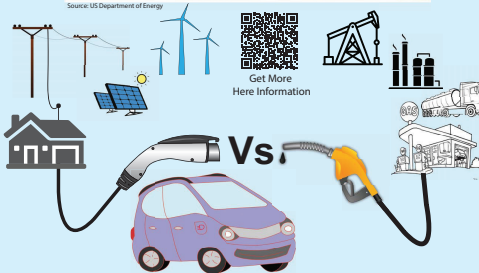
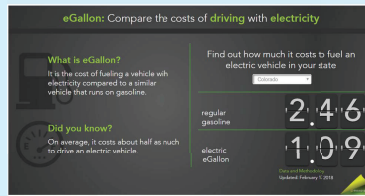
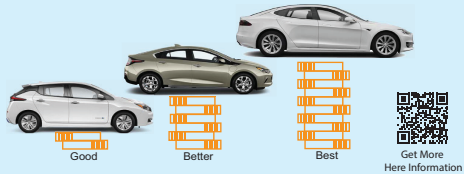
Start Your Electric Vehicle Journey



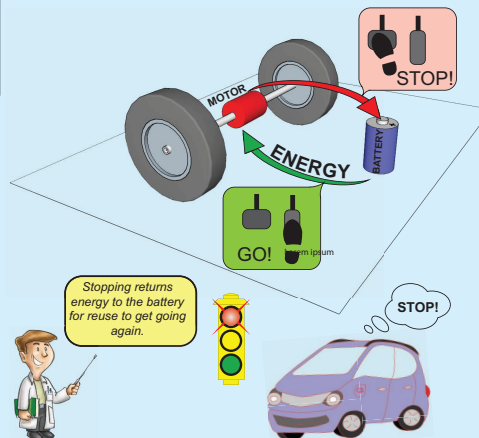
Start!

Purchasing An Electric Vehicle (EV)

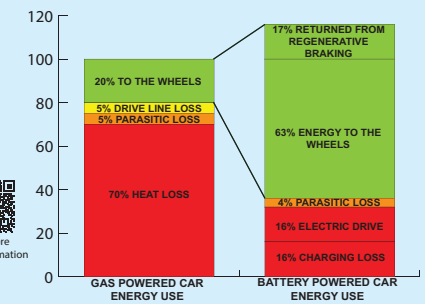
- New EV's can range in price from the mid 20's to over 100 thousand dollars
- Many EV's qualify for a \$7,500 federal tax credit and up to \$5,000 in state tax credits
- Used EV's are typically good values as well though tax incentives do not apply



REGENERATIVE BRAKING

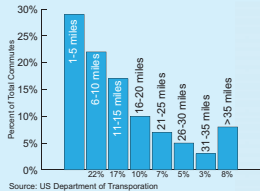


COMBINED CITY/HIGHWAY ENERGY EFFICIENCY PROFILES



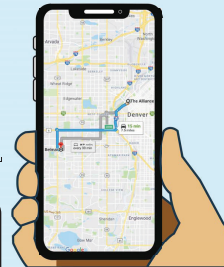
EV's are over four times more efficient than gas powered cars. It would be twice as efficient to have the utility burn your gas to generate electricity to charge an EV than it to put it in your gas car's tank!

Typical US One-Way Commute Distances



Most people's daily drive isn't as far as they think it is. I treat my EV like my cell phone. I just plug it in each night and it's always ready to go in the morning.

How far is your daily drive?



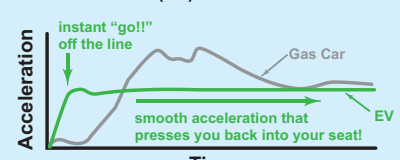
Off to work!

Save time, charge at home and skip the gas stations!
Fast, smooth and quiet, I can ease your daily stress!
Traffic jam? No problem with one pedal driving!



KEEP CALM AND DRIVE AN EV

Electric Vehicle (EV) Vs Gas Car Acceleration



Graph credit: Charles Murry, Design News

Some of the fastest cars in the world are EV's! I should know, I'm the Stig...



DENVER'S CLEAN AIR AHEAD



2017 electric car ratings

Model	Small overlap front	Moderate overlap front	Side	Roof strength	Head restraints & seats	Headlights	Front crash prevention
Chrysler Volt	G	G	G	G	G	G	Superior
Toyota Prius Prime	G	G	G	G	G	A	Superior
BMW i3	G	G	G	G	A	A	Advanced
Tesla Model S	A	G	G	G	G	P	Not available

Legend: GOOD (G), ACCEPTABLE (A), MARGINAL (M), POOR (P)

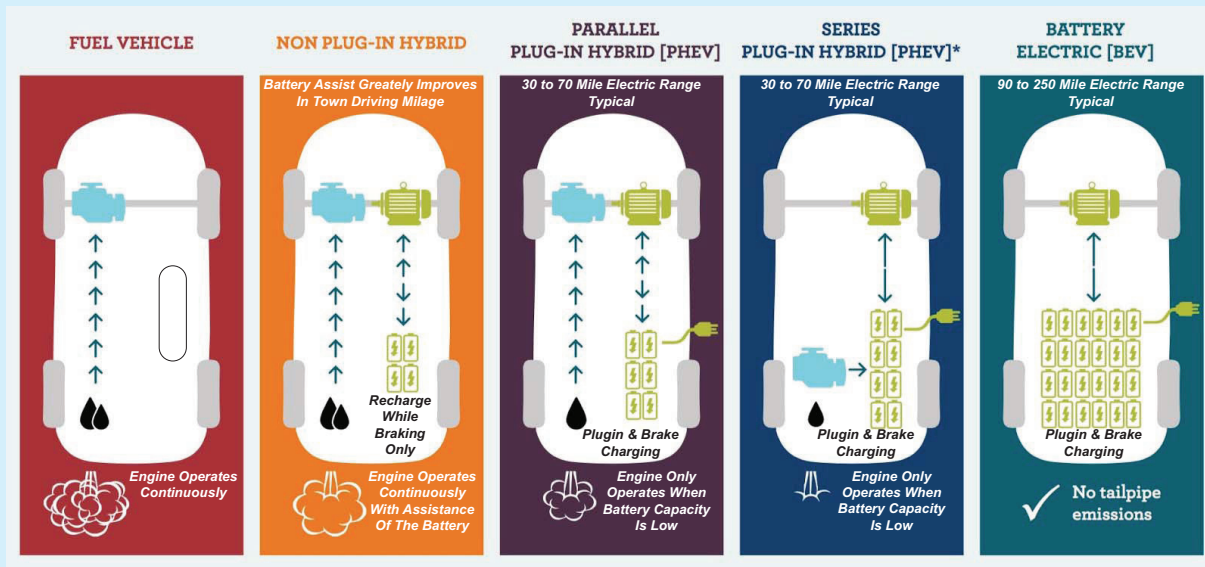
Source: Insurance Institute for Highway Safety

If everyone in the Front Range used an EV for just their local transportation needs the brown cloud that hangs over us would disappear and we would ALL breathe a lot easier! The utility's energy sources do matter, but because EV's are so efficient even in high fossil fuel to renewable energy mixes EV's create 20% to 25% less emissions than gas cars.

I JUST LOVE THIS PLACE AND I CAN'T WAIT!

EV's are commonly top safety picks by agencies like the Insurance Institute for Highway Safety (IIHS) and the National Highway Traffic Safety Administration.

TYPES OF VEHICLE DRIVE SYSTEMS



Example: Any standard gas powered vehicle

Graphic Courtesy of LeadingTheCharge.org

Example: Toyota Prius

Contemporary Plug-in Hybrids Use Combinations Of Series And Parallel Operation Based On Conditions
Examples: Chevy Volt & Toyota Prius Prime

Example: Chevy Bolt, Nissan Leaf and all Tesla vehicles

Types of EV Charging Stations

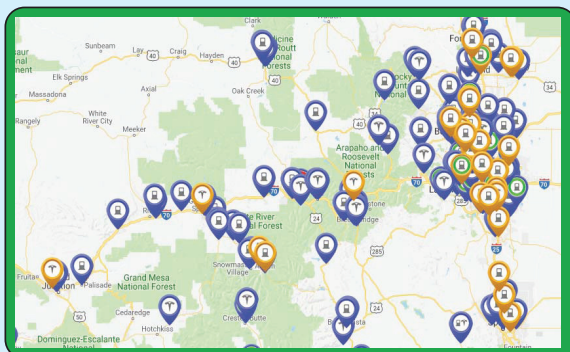
AC Level One	AC Level Two	DC Fast Charging And "Supercharger"
SUPPLY VOLTAGE 120v 1-Phase AC	SUPPLY VOLTAGE 208V or 240V 1-Phase AC	SUPPLY VOLTAGE 208V or 480V 3-Phase AC
AMPS 12–16 Amps	AMPS 12–80 Amps (Typ. 32 Amps)	AMPS <125 Amps (Typ. 60 Amps)
CHARGING LOADS 1.4 to 1.9 KW	CHARGING LOADS 2.5 to 19.2 kW (Typ. 7 kW)	CHARGING LOADS <90 kW (Typ. 50 kW)
CHARGE TIME FOR VEHICLE 3–5 Miles of Range Per Hour	CHARGE TIME FOR VEHICLE 10–20 Miles of Range Per Hour	CHARGE TIME FOR VEHICLE 80% Charge in 20–30 Minutes

Graphic Courtesy of North Carolina Electric Cooperatives

Level 1 is the least expensive charging method requiring a standard grounded 120V outlet. Most EV's come equipped with a Level 1 charging cable. Plug-in hybrids can successfully use level 1 charging as a nightly charging method.

Level 2 charging requires the use of a level 2 charging unit and 240V outlet, the type commonly used for electric clothes dryers. Installations range from \$500 to over \$1,000 including the charger. A battery EV (BEV) used as a daily commuter is best served with a level two charger.

DC fast charging is typically found at designated recharging stations along major highway routes throughout the nation. Currently Tesla has the largest national long range recharging network. BEVs must rely in these networks for long range travel. Plug-in hybrids can serve as a transition vehicle as these networks are being built out.

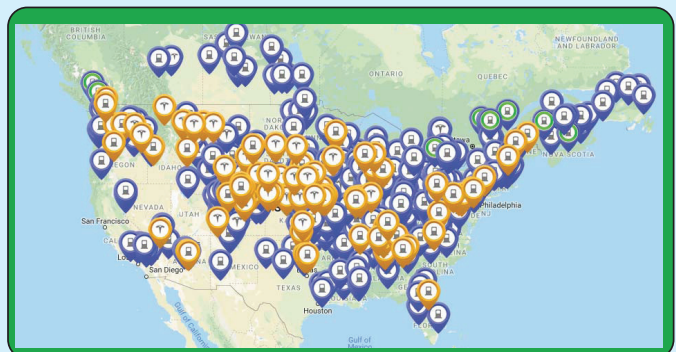


Public EV Charging Stations

EV Charging
Next Exit



Though the number of public charging stations is growing rapidly the majority of charging is performed at home.



Source: ChargeHub.com

Source: ChargeHub.com