

Our cars can get more than **1000** miles per gallon *(plus electricity)*

What's a plug-in hybrid? (PHEV)

Regular hybrids are efficient vehicles, but they're still 100% gas-fueled. To get a plug-in hybrid (PHEV), add bigger batteries and an extension cord. You get a second cleaner, cheaper, domestic energy source: **electricity**.

It's like having a second fuel tank that you always use first—only you fill up at home from a standard socket at an equivalent cost of under \$1/gallon. Your local driving is powered by electricity, and you still get unlimited range from the gasoline engine.

For more:
www.calcars.org/vehicles.html

What are PHEVs' benefits?

- Fueling by domestic electricity can reduce our dependence on imported oil
- They produce lower greenhouse gas emissions, even on the national (half-coal) power grid
- Lifetime service costs are lower, and the lifetime costs of ownership are lower than with standard gasoline vehicles (even using an outdated \$1.75/gallon benchmark)
- When these cars are built by auto-makers, if your driving is mostly local you'll need to visit the gas station only a few times a year
- PHEVs combined with E85 (cellulosic ethanol) are the way to get the domestically-fueled, nearly carbon- and oil-free cars we need—**now**

For more:
Download our "10 Talking Points" flyer at
www.calcars.org/downloads.html

What are PHEV conversions?

CalCars' Toyota Prius was converted into a PHEV in April 2006 by for-profit companies EnergyCS/EDrive (www.edrivesystems.com) in Monrovia, CA. Its lithium-ion battery pack and charger are located in the rear tool storage compartment. It plugs into a 120-volt outlet.

About half of its first 60 daily miles are fueled by electricity, and it exceeds 100 MPG (plus electricity). The result is that commuting costs 2–4 cents a mile instead of a standard car's 8–20 cents a mile.

For more:
Download our Conversions Fact Sheet at
www.calcars.org/downloads.html
See how to get a PHEV at
www.calcars.org/howtoget.html

What's CalCars.org?

The California Cars Initiative is a "nonprofit startup" of entrepreneurs, engineers, environmentalists and consumers. We combine technology with advocacy. We built the world's first plug-in Prius in 2004 and we're working on others.

We partner strategically with groups from "neo-conservatives" to "geo-greens," from evangelicals to former US Cabinet members. Our objectives: to get out the word about PHEVs and prove what's possible with **today's technology**. Our biggest goal: **get auto-makers to build plug-in hybrids**.

Find out more about us and how to get involved at www.calcars.org.

