

*The cost to fuel a Plug-In Electric Vehicle is significantly less than what it costs to fuel conventional or hybrid vehicles.*

A comparison of the annual fuel costs for several different vehicle types:

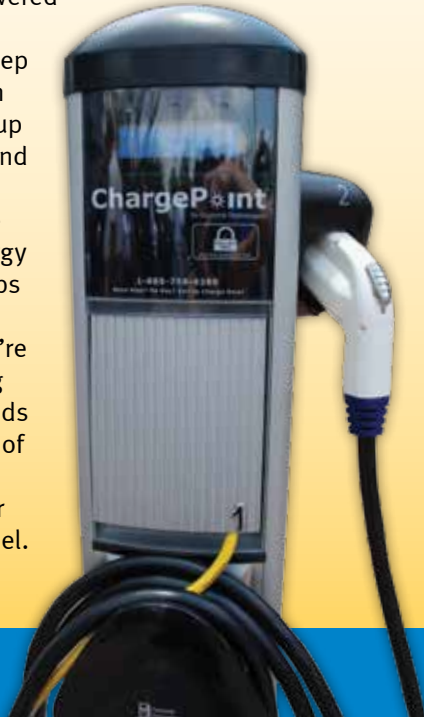
All-Electric Car	\$400 per year
Plug-In Hybrid Electric Car	\$867 per year
Standard Hybrid Car	\$1,333 per year
Conventional Car	\$2,000 per year

Based on driving 12k miles/year, gas at \$3.75/gal, electricity at \$0.10 kWh, electrical efficiency of 3 miles/kWh, average conventional vehicle 22.5 MPG

## LEADING THE CHARGE

In 2009, OUC installed Orlando's first three charging stations downtown at Reliable Plaza, including two solar-powered ones, and we've recently added two more. The three public charging stations in our visitor parking area let EV operators pull up, plug in and charge up.

The four solar-powered stations atop our parking garage keep OUC's own plug-in vehicles charged up and ready to go, and when they're not charging the plug-ins, the solar energy they generate helps to power Reliable Plaza. At OUC, we're also incorporating plug-ins and hybrids into our own fleet of vehicles to reduce emissions and our dependence on fuel.



## BUILDING AN INFRASTRUCTURE

As part of the **ChargePoint America program**, OUC is installing up to 100 EV charging stations throughout our service area. Funded in part through a U.S. Department of Energy grant, this program enables us to evaluate the impact the charging stations will have on our electric system while also observing the driving and charging patterns of EV owners. These charging stations will soon be popping up at shopping malls, area businesses, public buildings, hotels and parking garages.

[www.ouc.com/ev](http://www.ouc.com/ev)

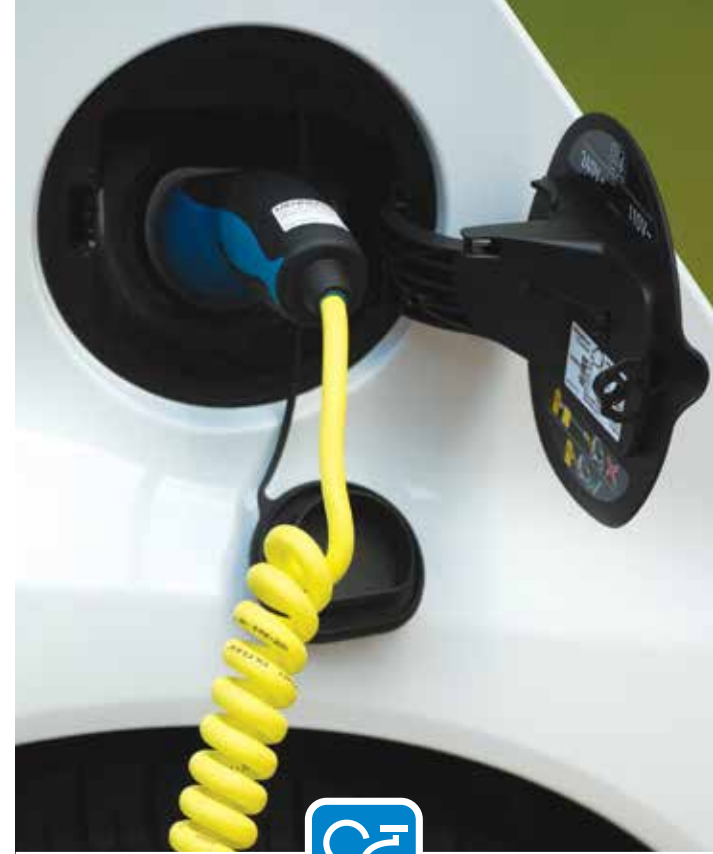
For more information on electric vehicles, visit [www.GoElectricDrive.com](http://www.GoElectricDrive.com)

**OUC**   
The Reliable One®

Orlando Utilities Commission

100 West Anderson Street Orlando, Florida 32801

[www.ouc.com](http://www.ouc.com)



## PLUG IN & CHARGE UP

*Electric Vehicles  
& Charging Stations*

**OUC**   
The Reliable One®



[www.ouc.com](http://www.ouc.com)

OS-1504V1

*OUC—The Reliable One has been providing reliable electric service to our customers for more than 90 years, and we want to be sure we can deliver that same high level of service to power their electric vehicles (EVs).*

**With more EVs rolling off assembly lines, many consumers are starting to see them as an alternative to rising gas prices and as a way to lower the cost of their commute.**

**So, we're helping to develop an electric vehicle solution for Greater Orlando as part of our commitment to a cleaner, greener future.**



*Chevy Volt*

## *What types of EVs are available?*

There are two basic types of plug-in electric vehicles.

### **Plug-in hybrid electric vehicles (PHEVs):**

These vehicles have two power systems—an internal combustion engine and a battery—so they use both gasoline and electricity.

### **Battery electric vehicles (BEVs):**

These vehicles are powered solely by electric motors and batteries, and use no gasoline. Most BEVs have a range of about 75-100 miles between charges.



*Nissan Leaf*

## *How do I charge an EV?*

**Level One Charging** uses a standard 120-volt outlet and special cord supplied with your vehicle. The power required is similar to that needed to operate a hair dryer. PHEV typically require about nine to 12 hours to recharge - although a full charge for a BEV could take 12 to 20 hours.

**Level Two Charging** is three to five times faster than Level One. However, you will need to consult with an electrical contractor to install the necessary charging station and ensure you have a dedicated 240-volt outlet. PHEV typically require only about three hours to recharge at Level Two— although a full charge for a BEV could take six to eight hours.



*Toyota Prius*

## *Considering an EV?*



If you are considering purchasing an EV or already have one in your garage, go to [www.ouc.com/EV](http://www.ouc.com/EV) to find helpful information on everything from the various types of vehicles and home chargers to public charging station maps and calculators that help you determine whether an EV is right for you.

## *Before you purchase an EV, contact OUC.*

If you are planning to install a 240 Volt fast charger, it is especially important to contact OUC. We'll ensure that your current transformer is capable of handling the additional energy demand of an EV charger. We provide you with access to certified electrical contractors who can install the charging station for you and answer questions you might have regarding how charging your EV may impact your electric bill.

**WWW.OUC.COM/EV**

