



## **City of Charlotte Electric Vehicles and Charging Stations Project FACT SHEET**

The City's electric vehicle and charging station project is part of a larger initiative to make Charlotte more electric vehicle friendly. The project includes the purchase of 8 electric vehicles for the City's fleet, and the installation of 26 electric vehicle charging stations at 7 locations around the City. This is a pilot project to determine the practicality of adding electric vehicles to the City's fleet, and to determine public usage and demand for strategically placed electric vehicle charging stations.

### **CHARGING STATIONS LOCATIONS:**

The project includes 6 stations at the Charlotte–Mecklenburg Government Center (CMGC) Parking Deck – 5 stations at CATS I–485 Station Park & Ride Parking Deck – 5 stations at CATS Mallard Creek Park & Ride – 4 stations at CATS Huntersville Gateway Park & Ride – 2 stations on North Tryon Street near The Square – 2 stations on South Tryon Street near the Mint Museum – 2 stations on South Blvd near Circle at South End Apartments.

- The CATS facilities and the CMGC Parking Deck site contain one charging station each serving a handicapped–accessible parking space
- The cost to charge at all charging stations will be free for a limited time
- Siemens is the vendor of the charging stations, which operate on the ChargePoint network, a nationwide network of electric vehicle charging stations

### **CITY OF CHARLOTTE ELECTRIC VEHICLE FLEET:**

The City purchased 7 fully electric Nissan Leafs and one Chevy Volt, which operates in electric mode for short trips, but also has a gasoline powered engine for extended range driving. The Leaf's are in use by the following departments: Engineering and Property Management, Charlotte Department of Transportation, Charlotte–Mecklenburg Utilities, Aviation, and Neighborhood and Business Services. The Volt is for use by City employees at the Charlotte–Mecklenburg Government Center.

- Fully charged, the Leaf can travel up to 100 miles, depending on driving conditions.
- Fully charged, the Volt can travel up to 35 miles in fully electric mode, and will continue to run using a gasoline powered engine for an additional 300+ miles before needing a charge or gasoline
- City employees using the vehicles are required to complete an online training class prior to checking the Leaf or Volt out for the first time.
- The City estimates these vehicles will save an average of 480 gallons of fuel per year, per vehicle. – Source: US Department of Energy

**ABOUT THE GRANT:** This project was funded by the U.S. Department of Energy through the Energy Efficiency and Conservation Block Grant program. For detailed information about this and the City's other energy initiatives, visit the [Power2Charlotte.com](http://Power2Charlotte.com).