Workplace Charging Challenge Partner Plan

December 31, 2014

I. Background
On June 23, 2014, UNC Pembroke became a Partner in the U.S. Department of Energy’s Workplace Charging Challenge and was the first university in North Carolina to do so! This effort to make plug-in electric vehicle (PEV) charging stations available to students and employees in the workplace supports the campus’ Sustainability Plan. This program is one of the transportation initiatives designed to reduce greenhouse gas emissions generated from commuting.

II. Goals and Progress
The main campus’ first two PEV charging stations were installed in Parking Lot 17 (visitor’s lot), at the Dial Building and Lumbee Hall. These PEV stations were unveiled on December 11, 2014 with a brief ribbon-cutting ceremony. The campus goal for this Partner Plan is to provide one level II PEV charging station for every two PEVs owned by students and employees. This program is contributing towards the campus’ long-range goal to become carbon neutral by the year 2050.

III. Charging Demand Assessment
Initial demand was assessed by an electronic survey sent to all students and employees in 2014. During this survey, it was reported that seven PEVs were owned by the over 7,000 campus students and employees. At least two more stations are pending installation in 2015 to meet this latest demand. PEV ownership and desire to have access to charging stations will be assessed annually. Results and reported demand will be monitored and recommended for approval to provide one station for every two PEVs, budget permitting. Usage rates of the charging stations will also be monitored.

IV. Charging Management and Policy
Signage was and will continue to be installed that should be sufficient for users to understand, follow and allow usage and daily operation of the stations to be self-regulating. The stations are available to any PEV driver allowed to park in a designated lot (i.e. anyone in a visitor’s lot, staff and faculty within those lots, etc.). Stations are free of charge and available for use at all times. The Sustainability Office serves as the point of contact with coordination and management responsibilities for this program. Support will also be provided by Campus Police and Public Safety, Facilities Management, University Communications and Marketing as well as other departments as needed.

V. Charging Station Procurement and Installation
State and campus purchasing and construction contracting policies guided procurement and installation of the first two stations. This is the standard that will continue to be followed, as well as Master Plan coordination regarding site locations. In more detail, the first stations included: Eaton chargers purchased, per State Term Contract for electric vehicle supply equipment. A local, licensed electrical contractor was selected for installation after becoming the successful low bidder. A two kilowatt solar photovoltaic array was also installed to offset energy consumed by the stations to create a carbon net-zero installation. This net-zero concept will be employed with future installations as funding permits. A portion of the costs were satisfied with new Sustainability Green Fees. The use of these funds are planned to offset a portion of future procurement and installation costs.

VI. For More Information:
Visit the Sustainability Office website at www.uncp.edu/sustainability. Presentations have been made available to new students and employees during orientations and Freshman Seminars. Press releases and other communiqué have and will continue to be published and disseminated to the campus, stakeholders and the public.