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Section 3.3.8 - Case Study - Clemson Area Transit (Transit Facility)

Clemson Area Transit installed their first public PEV charging station on June 24, 2011 in the facility's staff/guest parking lot.

Electric Vehicle Support Equipment Information

Type(s) of Unit(s)	Single Pedestal EVSRN3 208-240V/30A 1 phase
Model	NEMA 3R
Manufacturer	General Electric
Number of Units	2
Contact	NA

Ongoing Unit Management Company and Responsibility (Who is responsible for ongoing maintenance and paying for the electricity?):

H & W Electrical is responsible for ongoing maintenance, and Clemson Area Transit/City of Clemson pays for the electricity (note: CAT has solar panels on the roof of its facility to offset electricity cost).

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Who funded the project? (Example: owner funded, DOE funded, etc)

The IT portion of the American Recovery and Reinvestment Act (ARRA)

Information about the units installed and why these were chosen for this location:

GE was advertising a new sleek design (WattStation), which was not available at the time we needed to purchase, but we were able to negotiate an even change with the present models when the new ones came out. Design and price were the top considerations in choosing a charging station.

Installation Information

Start date	June 23, 2011
Completion date	June 24, 2011
Consultant (if applicable)	Brian Edens
Installer	Thurso Power Systems, LLC
Contractor	Alan Holcomb, H & W Electrical (864-233-7227)

Description of signage:

A sign stating "Electric Vehicle Parking" was posted by each of the EV chargers.

Parking information (Will there be a fee for parking? Will there be a fee for charging? If so what rate/method):

There is no fee for parking or charging. CAT is a fare-free system and wants to encourage as many "green" options for transportation as possible.

Information about the installation process (barriers to success, achievements, unique issues that were overcome):

There were no issues with installation because the EV units were designed in tandem with the new facility.

Who are the expected consumers? How often do you expect charging to occur?

CAT expects Clemson University students and professors to use the charging stations as well as the general public. At this point there are very few vehicles powered exclusively by electricity thus very limited usage of the charges.

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