

# Project PIE (Plug-in Evergreen)

by

Murdoc

Forrest Youngers

# The Goal of Project PIE

- 1) Enhance Evergreen's eco-conscious image
- 2) Perform Cost-benefit analysis on a modified electric outlet for vehicles in C Lot



# Motivation

- “ Olympia has been part of the electrical vehicle movement for a while now. If Evergreen campus is going to stick to this ‘Go Green, Stay Green’ motto, one of the best ways of reinforcing that is providing one of these [stations].” – Forrest Youngers
- “We’re trying to help those students who are helping our society fight our addiction to petroleum-based fuels,” –Murdoc

# Methods

- Preliminary Research
- Met with Facilities & Parking
- Lobbied at Focus the Nation
- Held a press conference
- Final meetings

# Successes

- Feature article in Cooper Point Journal
- Registration form
- Getting the word out
- Networking



**WARNING**



**CHALLENGES  
AHEAD**

# Challenges

- Inconsistent data when performing surveys
- Need to reach a larger audience earlier
- Parking Services may not support Project PIE

# More Recent Developments



- Olympia adds the Miles ZX40S EV to it's city fleet
- An Evergreen student is researching alternative vehicle parking spaces for L.E.E.D. points
- TESC hopes to replace five maintenance vehicles with EVs



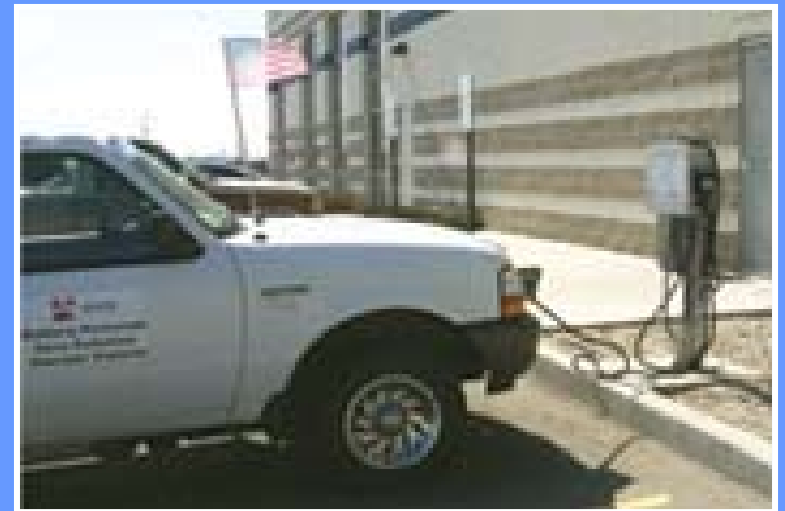
# Two roads to charging your EV

- Modified electrical outlets



[http://media.theolympian.com/smedia/2007/05/20/16/777-car.standalone.prod\\_affiliate.38.jpg](http://media.theolympian.com/smedia/2007/05/20/16/777-car.standalone.prod_affiliate.38.jpg)

- EV charging stations

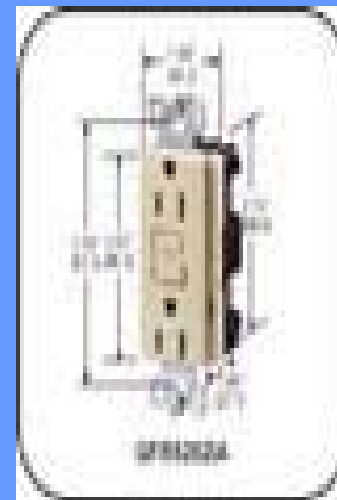


<http://www.avcovev.com>

# Modified Electrical Outlets

- Most common, and inexpensive way of charging.
- Visually discrete, with less change in infrastructure
- Complications:

Tying into the electric grid



# Future Objectives

- Linking TESC Facilities with an electrician familiar with modified outlets
- Proposing research to Clean Energy Committee on March 14<sup>th</sup>

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# Resources

- 1. PHEV Research Center UC Davis
- 2. Roberta E. Devine - Administrative Services Manager UC Davis
- 3. The Evergreen State College  
Parking staff, Facilities, and website
- 4. Clean Fuels Connection website-  
[http://www.cleanfuelconnection.com/products\\_and\\_support.html](http://www.cleanfuelconnection.com/products_and_support.html)
- 5. Plug-In Chapters: America, Portland, Olympia
- 6. Stay Online Infrastructure Equipment
  - <http://www.stayonline.com/reference-nema-straight-blade.aspx>