

THE EV PROJECT and BEYOND

Paving the Way for a
Cleaner Tomorrow

EVSE INSTALLATION

OVERVIEW

- Phoenix-Tucson
- 1,150 EVSE Level 2-Aug.2010-
Commercial,Public,Fleet
- 50 Level 3-Aug. 2010-City,
Transportation Corridor
- 900 Vehicles-Residential-Fleet
Starting-Dec. 2010

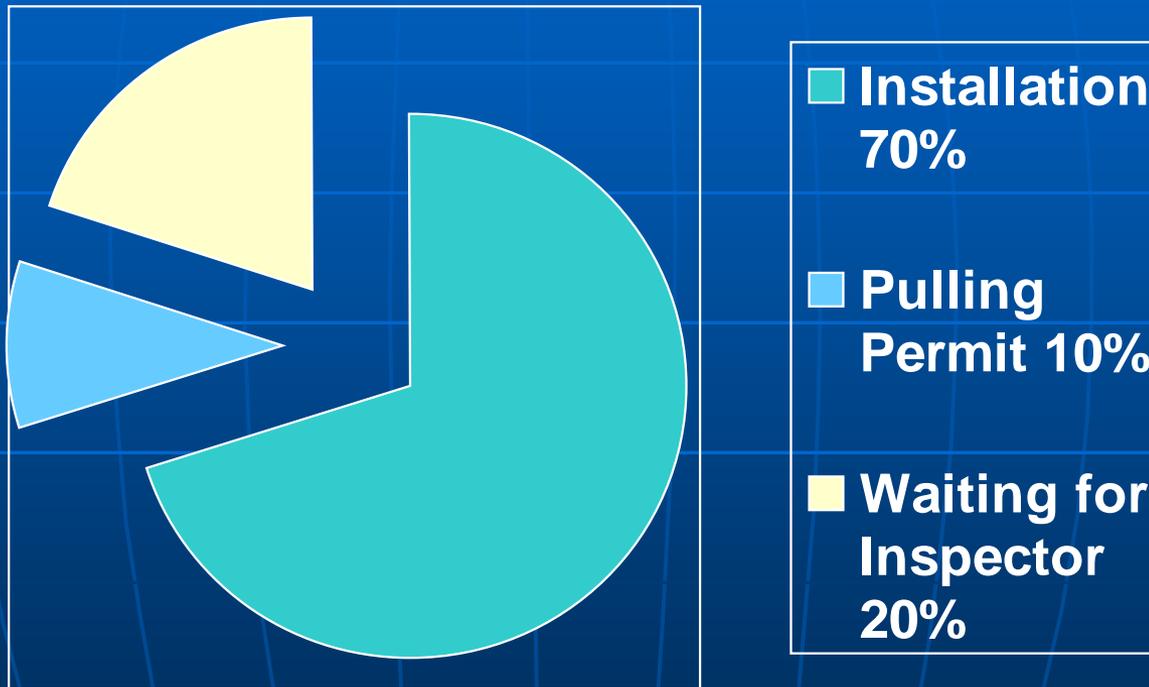
Etec Past EVSE Experience

- Combined Previous Residential, Commercial and Fleet Installations- Over 700 completed Installations
- Residential 500+
- Commercial and Fleet 200+
- Industrial Applications Charging Stations (Non-EVSE) 5400+

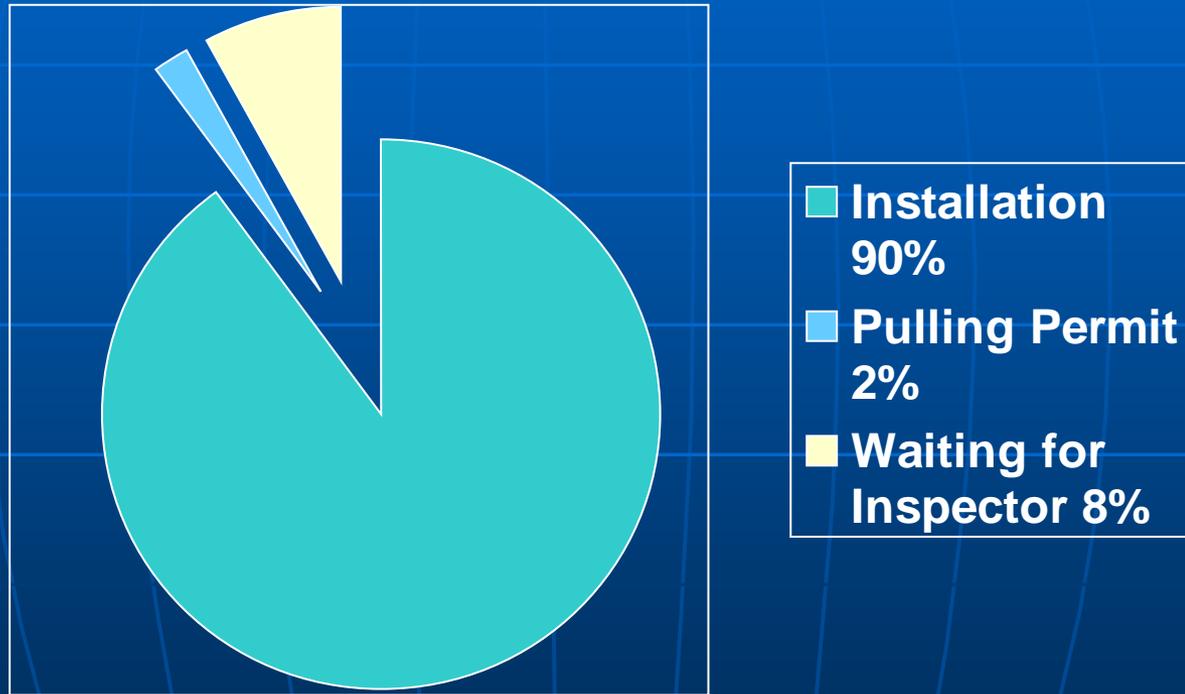
Objective for EVSE Installations

- Streamline Permitting and Inspection Process for Both Residential and Commercial EVSE Installations Due to the Expected High Volumes
- Past Experience Showed 75-80% of all Residential EVSE Installations Were Simple Scenario
- 40% of All Commercial Installations Were Simple Scenario

TODAY-INSTALLATION TIME



FUTURE-INSTALLATION TIME



Streamlining Residential

- Permitting Process Suggestions
- Offer Online Permit Access for Simple Scenario Installations
- Definition of Simple Scenario's-
 - Single Residential Dwelling
 - Adequate Available Power/Ampacity as determined by Licensed Contractor
 - No Building Modifications Necessary Required to Accomplish EVSE Installation

Single Family Residence



Single Family Residence



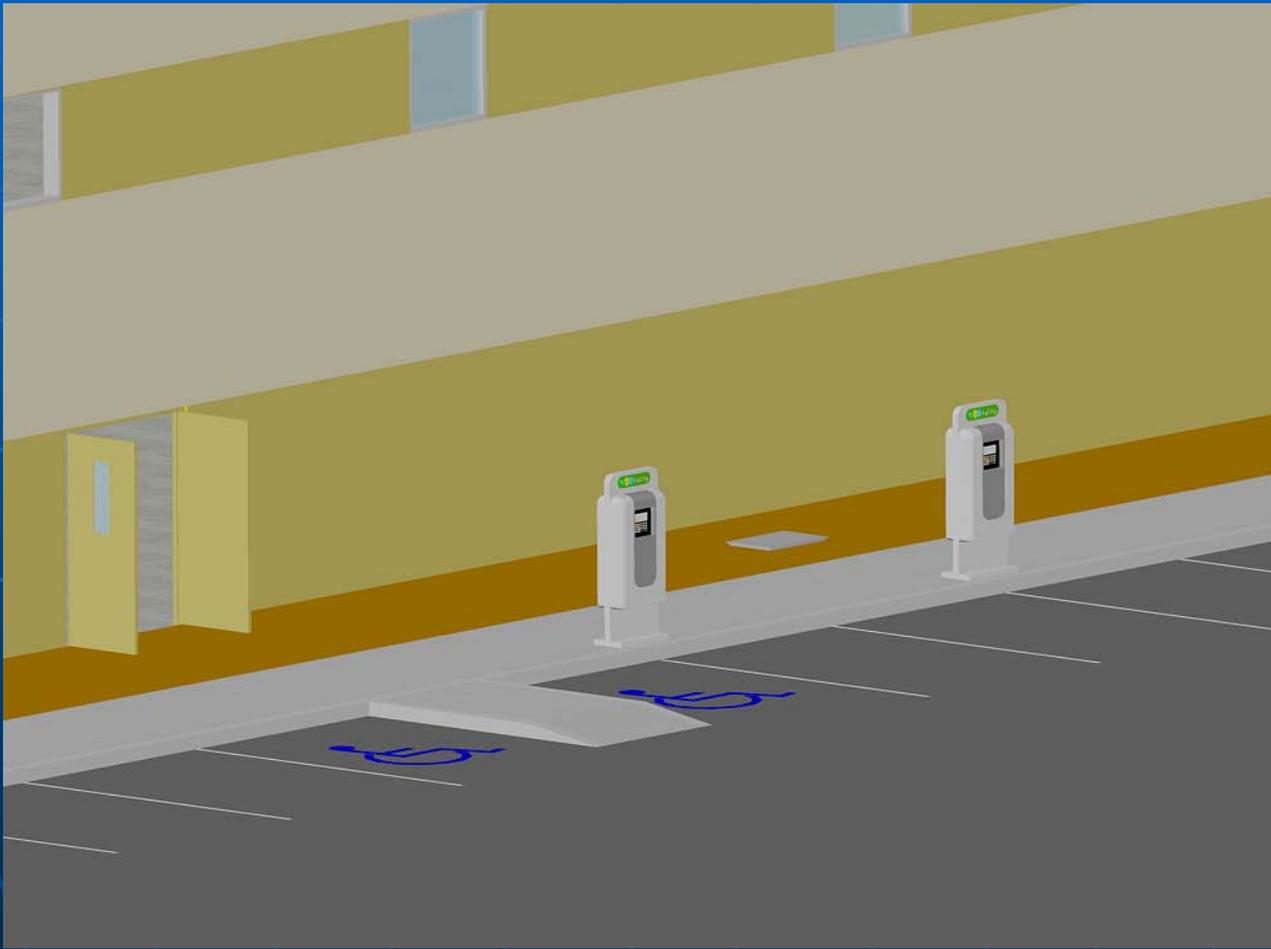
Streamlining Residential

- Inspection Process Recommendations-
- City to Offer Priority EVSE Inspections
- City to Designate EVSE Inspectors
- City to Allow International Code Conference (I.C.C.) Certified Building Inspectors for Third Party Inspections

Streamlining Commercial

- Permit Process Suggestions
- Online Permitting Permit Access for Simple Scenario Installations
- Definition of Simple Scenario's
 - 1 or 2 EVSE in a Commercial Setting
 - Adequate Available Power/Ampacity as Determined by Licensed Contractor
 - No Building Modifications Necessary Required to Accomplish the EVSE Installation
 - No Impact to the Surrounding Community Which Would Not Require Zoning or Architecture Review
 - Building Service is 400Amps or Less-Requiring No Plan Check

Commercial Location



STREAMLINING COMMERCIAL

- Inspection Process Recommendations-
- City to Offer Priority EVSE Inspections
- City to Designate EVSE Inspectors
- City to Allow International Code Conference (I.C.C.) Certified Building Inspectors for Third Party Inspections

SUMMARY

- Streamlining the Permit and Inspection Process Will Drive Down the Cost of the Installation Which will be the Success in Bringing an Affordable EVSE to Market When Purchasing an Electric Vehicle