EV Project Update

ASU Global Institute of Sustainability (GIOS)

May 12, 2010

Electric Transportation Engineering Corporation (eTec)
EV PROJECT OVERVIEW

- **Project Markets**
  - Arizona (Phoenix and Tucson)
  - California (San Diego)
  - Oregon (Corvallis, Eugene, Portland, Salem)
  - Tennessee (Chattanooga, Knoxville, Nashville)
  - Washington (Seattle)

- **Project Funding**
  - Approximately $200 M Total Project
  - $99.8 M DOE
  - Private Sector Matching Funds

- **Project Partners**
  - MAG - PAG/Clean Cities
  - City of Phoenix - City of Tucson
  - APS & SRP - TEP
OBJECTIVES

- Deploy 4,700 Nissan Battery Electric Vehicles In 5 Regions
- Establish Mature Charge Infrastructure To Support Electric Vehicles
- Identify And Resolve Barriers To Infrastructure Deployment
- Develop An Infrastructure Utilization Data Base
- Evaluate Infrastructure Effectiveness
- Develop Models For Future Infrastructure Deployments
- Model Infrastructure For The Next 5 Million Vehicles
Electric Vehicle Supply Equipment (EVSE) Designed And Manufactured To Allow Power And Energy Data Collection And Demand Response Control

- Residential EVSE Installed For All Vehicles
- 1,300 Commercial EVSE Deployed In Each Region
- 150 Public EVSE Deployed In Each Region
- ≈ 50 DC Fast Charge Ports Deployed In Each Region
- Data Collected From All Chargers Via Internet
- Infrastructure Data Base Maintained And Analyzed At Idaho National Laboratory
OVERALL SCHEDULE

- Contract                                    09/30/09
- EV Micro-Climates©                          Q2 2010
- Initial Infrastructure                      08/2010
- Vehicle Launch                             12/2010
- Final Infrastructure                        Q2 2011
- Evaluation                                 Q4 2010 - Q3 2012
- Reporting                                  Quarterly
- Completion                                 Q2 2013
EV PROJECT FORUM INVITATION

Date and Location

- May 18th - 1 PM – 3 PM
- Audubon Arizona – Nina Mason Pulliam Rio Salado Audubon Center
- 3131 South Central Avenue, Phoenix, AZ 85040
- www.az.audubon.org