Electric Vehicle Charging Station Information for SRJC

Demand/Interest
- California is a leader and has large numbers of electric vehicles
  - California leads the country for public electric vehicle chargers (1,207)
  - As of November 2012, California’s owned more than 16,000 plug in electric vehicles, roughly 25% of all plug-in vehicles in the United States.
  - Sonoma County and the North Bay has spearheaded electric vehicles for many years

How to market/persuade for installation
- Great PR
  - Can have news articles/press release/positive attention for the Junior College
    - Especially if received through a grant/funding opportunity
- Helping students/staff to save on fuel costs
- Continue SRJC environmental sustainability
- Attracting students in the short term, and being prepared for the demand as the longer-term market for EV owners expands
- Chargers in high schools/colleges introduce/encourage new drivers

What to consider before installation:
- Location
- Who can use?
  - Parking pass required?
    - San Diego Community College District
      - While no permit is required to park in the EV charging station spaces, parking is strictly confined to electric vehicles and all other vehicles will be cited. All vehicles must be plugged in while occupying the charging spaces, and parking at the stations is limited to a four-hour maximum.
  - Possible parking conflicts between non-EV and EV owners
  - Joliet Junior College, Illinois
    - Motorists are asked to note two rules for using the station: If a driver parks in the space, they must have their vehicle plugged in, or else they will be ticketed. Once the car is finished charging, the driver must move to a different space to give other drivers a turn to charge.
- Education
- Pricing
- ADA

Price:
- Grants for chargers and cars
  - See East Bay Clean Cities Coalition PowerPoint and website
    - http://www.cleancitieseastbay.org/funding.html
What infrastructure is needed?
- Electrical conduit
- Charging stations
  - Different levels
    - Level I – 120 volt AC – ~5 miles of range/hour
    - Level II – 208/240 volt AC – ~20 miles of range/hour
    - Fast Charger – ~40 miles of range/10 minutes
    - Many places have level II
  - Many different brands

Do you charge for charging? How much?
- Interesting debate
  - Seattle City Council passed legislation to establish a $2-per-session fee for public use of EV charging stations, to cover operational, maintenance and electricity costs.

How SRJC could fit into County’s network?

College Fleet Vehicles
- Light vehicles and carts
- Economic benefits?