



CHABOT - LAS POSITAS | *Community College District*

Electric Vehicle Charging

Administrative Procedure 6750 - Parking



EV Charging Goals and Objectives

- Reduce Greenhouse Gases and Promote Environmental Alternatives
- Maintain the existing Charging Stations
- Expand the EV Charging Network as demand grows
- Reduce expenses to Colleges and District General Fund



EV Charging Current Policy

- **AP 6750 Parking**

f. Electric Vehicle Charging Zone: Restricted to the use of electric vehicles parking/charging at each college. Contact the College Department of Safety & Security for information and locations of these charging stations. Electricity is provided at no cost however valid parking permits are required.



EV Charging Total Cost of Ownership

- Current Annual Expenses

- Chargepoint Network Services \$12,320
- Electrical Costs @ \$0.25/kwh \$46,555
- **Total Costs** **\$58,875**

- **Potential Costs**

- Maintenance of Stations \$ 350 per cord annual
- Equipment Replacement \$ 4,735 per 2 cords
- TCO approximately \$4.13 per session



EV Charging Proposed Policy

- **AP 6750 Parking**

Electric Vehicle Charging Zone: The Electric Vehicle Charging Zone identifies restricted use of electric vehicle parking/charging at each college. Parking in the Electric Vehicle Charging Zone is restricted to electric vehicles actively charging, and the college will set time limits for charging. Valid parking permits are required for a vehicles in the Electric Vehicle Charging Zone.



EV Charging Proposed Policy

- **AP 6750 Parking**

Electric Vehicle Charging Zone (cont):

The District/Colleges may establish fees for electric vehicle charging services to recover the costs for vendor services, capital renewal costs, periodic maintenance, electricity, and other costs associated with the total cost of ownership in accordance with Administrative Procedure 3253.

EV Charging Proposed Rates

- Single District Wide Rate Structure for EV Charging
- California Division of Weights and Measures requires charging by the KWh dispensed (Jan '20)
- During Normal Operating hours
 - Parking Permit or Day Parking Pass Required
 - \$0.30 per KWh (less than \$2 per hour)
 - \$3.00 per hour after 4 hours to a maximum of \$20



EV Charging Expense Deferral Expectation

- \$0.30 per KWH in FY18/19
 - Revenue Generated \$54,134.22
 - Electrical Utility Costs \$34,285.00
 - Chargepoint Network Fees \$12,320.00
 - Balance \$7,527.22
- \$3.00 per hour after 4 hours in FY 18/19
 - Estimated Revenue Generated \$10,500.00
 - Will decrease with application of charging penalty for extended time



Sample EV Charging Rates

- Cal State East Bay
 - \$0.40 per KWh (Non-CSUEB users)
 - \$0.32 per KWh (Faculty, Staff, Students & Auxilliary Employees)
- Contra Costa CCD
 - \$0.20 per KWh
 - \$4.00 per hour after 4 hours
- Santa Clara University
 - \$0.13 per KWh plus \$2.00 per hour
 - \$3.00 per hour after 4 hours



Sample EV Charging Rates

- San Mateo County Community College District
 - \$0.35 per KWh
 - \$4.00 per hour after 4 hours (\$20 Max)
- San Jose Evergreen Community College District
 - \$0.20 per KWh
 - \$5.00 per hour after 3 hours
- Yosemite Community College District
 - \$0.15 per KWh (Staff Only)
- Foothill DeAnza Community College District
 - \$0.39 per KWh



EV Charging



- Questions

