PORT OF OAKLAND

I ✈ OAK
Park Close. Fly on time.

FREQUENTLY ASKED QUESTIONS

ELECTRIC VEHICLE CHARGING STATIONS AT OAKLAND INTERNATIONAL AIRPORT

Does OAK have electric vehicle (EV) available in its public parking lots?
Yes.

What kind of charging stations does OAK have available?
OAK has new generation, networked, J-1772 compliant Coulomb Technologies Electric Vehicle Charging Stations, as well as two sets of legacy chargers (SPI, AVI, AvCon).

How many EV charging stations are available at OAK and where are they located?
8 dual (Level 1/Level 2) new generation, networked, J-1772 compliant charging stations are located in the Premier Parking Lot for a total of 14 Level 1/Level 2 stalls. There is also 1 ADA Level 1/Level 2 stall.

Legacy SPI, LPI and AvCon chargers are located in the Economy Lot; SPI and AvCon stations are located in the Daily Lot.

Volts/Amps:

Coulomb Technologies charging stations:
Level 1 = 120 volts on a 20 amp breaker
Level 2 = 208 volts on a 40 amp breaker

Legacy charging stations:
208 volts on a 30/40 amp breaker

For more information, contact Susan Fizzell
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What types of vehicles are expected to use the Level 1 charger?

All new generation EVs will be Level 1-compatible; some early model EVs may have a compatible adapter. Driver provides Level 1 connector; connector stays with vehicle. Chevy Volt will take 8 hours to fully charge. Nissan Leaf will take 22 hours to fully charge.

What types of vehicles are expected to use the Level 2 charger?

All new generation EVs will be Level 2-compatible; some early model EVs may have a compatible adapter. Charger provides Level 2 connector; connector stays with charger. Chevy Volt will take 3 hours to charge. Nissan Leaf will take 8 hours to fully charge.

Is there a fee to charge my vehicle?

OAK is not currently charging a fee to plug into the EV chargers.

Is discounted parking offered to EV drivers?

Not at this time. EV drivers have access to all the same discounts and coupons available to all drivers who choose to park at OAK. http://www.oaklandairport.com/parking_coupon_offers.shtml

Do EV drivers receive any other benefits at OAK?

EV drivers parking/charging at the new EV chargers located in the Premier Parking Lot will enjoy priority parking, closest to the terminal. They will be greeted by our friendly Premier Ambassadors and offered a newspaper and bottled water. In addition, they will be offered a Premier Lane pass that allows them to bypass unpredictable TSA lines.

How do I access the charging station to charge my electric vehicle?

The New Charging Stations can be easily accessed via any of the following means:

- ChargePass RFID-based Smart Cards (or Key Fobs)
- Contactless Credit Cards, such as MasterCard PayPass™, Visa payWave®, etc.
- Phone call to the customer service number on every ChargePoint charging station

Can I reserve an EV charging stall?

Not at this time, but perhaps in the future. Consult the ChargePoint and Coulomb Technologies website at http://www.mychargepoint.net/faq.php or http://www.coulombtech.com .

How do I obtain or activate a ChargePass smart card?

A ChargePass card may be obtained for a small fee by creating an account on-line at mychargepoint.net. Creating a ChargePass account will allow the ChargePoint Network to notify you by text message or E-mail when your vehicle is completely charged or if your charging session is interrupted for any reason such as a GFCI fault or disconnected cable.

What is the current subscription charge for the ChargePoint program?

There is no subscription charge for drivers to join the ChargePoint program. Drivers do not need to be a member to charge their vehicle. They do need to "unlock" the charger and can do this via the following means:

1 - Sign up ahead of time, online. They will receive a ChargePass in the mail. Cost is currently $10 .
2 - Swipe their contactless (RFID) credit card. The customer will not be charged any fee, as long as OAK does not charge for use.

3 - Call the service number on the unit. Operator can unlock the charger for the customer a limited number of times. If a customer has requested this repeatedly, the operator may ask the customer to sign up for a ChargePass.

What can I do with my ChargePass Account?
Your ChargePass Account allows you to tailor ChargePoint Network electric vehicle charging services to your needs. For example, the ChargePoint Network can notify you by text message or E-mail when your vehicle is completely charged or if your charging session is interrupted for any reason such as a GFCI fault or disconnected cable. With your ChargePass account you can adjust your notification settings, edit your account profile, or access billing and energy savings summaries.

How much time does it take to sign up for the service at the unit?
Will vary depending on call volumes, but should not take more than a few minutes.

What are Notifications and why are they important?
Notifications help you stay aware of your electric vehicle charging status at all times. The following Notifications are available via SMS, E-mail, or both:

- *Vehicle Fully Charged*: The power drops below a pre-configured threshold, which indicates that the battery is fully charged
- *Plug Out Detected*: Someone removed the cord from the Vehicle or the charging station. This immediately ends the session. The cord remains locked inside the charging station until you use your card to retrieve it.
- *GFCI (Ground Fault Current Interrupt) Trip*: Occurs when the station detects a problem with the vehicle's battery charging circuit or the cord connecting the vehicle to the charging station. The station will retry after a 15min countdown, but give up after three occurrences. If you receive this notification, please contact the manufacturer of your vehicle, or the company that did the conversion, as it may indicate a problem with the charging circuit or the battery in the vehicle.
- Over current: The vehicle is trying to draw more current than allowed. The station will cut off the power and, as in the case of GFCI, retry after a 15min countdown. If you receive this notification, please contact the manufacturer of your vehicle, or the company that did the conversion, as it may indicate a problem with the charging circuit or the battery in the vehicle.

Once battery is full, the unit will automatically shutoff (delivery of electricity will stop)?
Correct.

Anyone can remove the charge plug from the vehicle at any time?
Correct, however, the charging session must be ended by the customer that initiated it before the next customer can use it. Customer should call the service number for assistance.

Once removed, a new charging session must be initiated to charge another vehicle?
Correct.

The toll free number on the unit should be the first contact for any trouble or customer service calls?
Correct.

Will battery charge degrade as vehicle is parked?

No, battery will hold its charge while vehicle is parked. There might be a slight degradation over a period of several weeks.

How are Greenhouse Gas (GHG) Savings computed?

Coulomb uses EPA estimates to derive a formula relating Greenhouse Gas (GHG) Savings to the amount of energy delivered to the vehicle from the charging station. The following estimates are used in the calculations, with references:

- Driving an ICE (Internal Combustion Engine) vehicle emits 8.8 kg CO2/gal (19.4 lbs CO2/gal). [1]
- The US Passenger Car average efficiency for ICE vehicles is 23.9 mi/gal (mpg) [2]
- An Electric Vehicle (EV) has an average efficiency of 5.0 mi/kWh. [Note: This is a Coulomb estimate based on data for several types of Electric Vehicles.]
- Electricity generation, for the mix consumed in the CAMX (WECC California) region, emits 0.49 kg CO2/kWh (1.08 lbs CO2/kWh) [3]
- CO2 is 95% of GHG emissions [4]

Combining these numbers yields 1.42 kg/kWh (3.13 lbs/kWh) of GHG Savings for the CAMX (WECC California) region. Future releases will allow for customization of the GHG formula to reflect regional differences in electricity generation.

Is the ChargePoint network Open?

The ChargePoint Network is open to all drivers, all electric vehicle types and all ChargePoint Networked Charging Stations from any manufacturer.

How often do EV batteries need to be replaced and at what cost?

Battery life is determined by the number of charging cycles. New batteries are needed approximately every 10 years and may cost up to $20,000.

List of EVs

Chevrolet VOLT
Ford ELECTRIC FOCUS
Ford ELECTRIC TRANSIT CONNECT
Nissan LEAF
Mitsubishi iMiEV
Toyota PRIUS PLUG IN HYBRID
Fisker KARMA
CODA
Think CITY
Smart FORTWO ELECTRIC
Tesla ROADSTER (with adapter)