

NORTH BAY CHAPTER



Electric Auto Association
Promoting Electric Vehicles Since 1967

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THIS MONTH'S NBEAA MEETING

November 8th NBEAA Meeting at **Thunderstruck Motors, 2985 Dutton Ave, Suite 3 in Santa Rosa** from 10 AM until noon. Kelly Kimberly of Hansel BMW of Santa Rosa will do a Show & Tell on the BMW i3 with test drives.

FUTURE NBEAA MEETINGS

FUTURE MEETINGS:

December 13th: Open discussion on meeting topics and Chapter Activities for 2015. Also discuss projects that the NBEAA can take on in 2015 to promote the use of EVs.

January 10th: A topic suggested in the December meeting or a Show & Tell with the KIA Soul EV

UPCOMING EV EVENTS:

No, Currently, Scheduled Events for the NBEAA. Winter and the Holiday Season are upon us.

Report on the Business of Local Energy Symposium in Petaluma

On October 23rd, the Center for Climate Protection hosted the Business of Local Energy Symposium. Energy industry leaders from all over the State spoke about new trends in clean energy. California Energy Commissioner, David Hochschild spoke of how renewables are now taking hold and becoming self-sustaining. Geof Syphers, of Sonoma Clean Power, related how Community Choice Energy programs like Sonoma Clean Power can offer cleaner energy for its customers at lower rates than for-profit utilities. Rob Kelly, of Solar City, spoke of how community choice programs with locally produced energy can disrupt the current power industry model. All-in-all, a very positive outlook for the future of clean energy.

EV NEWS

California Building Code to Require All New Construction to be EV-Ready:

The California Building Code will soon require that all newly constructed housing and parking lots provide the conduit and electrical system capacity for EV charging stations, beginning in 2015. The new code will ensure that the conduit and service panel capacity is already there, making installation a simple matter of running wires and bolting charging stations into place. For one- and two-family dwellings, the service panel must have capacity for a 40-amp circuit (sufficient for a 32-amp charging station), and conduit that can support wiring for an 80-amp circuit. Developments with 17 or more units must provide conduit and service panel capacity for 3% of the parking spaces.

ChargePoint Adds Option to Pay for Charging with PayPal:

ChargePoint has added PayPal as an option for EV drivers to pay for charging. Drivers who choose the PayPal option will be directed to PayPal.com to enter their username and password. To start charging, drivers can use the ChargePoint mobile app or wave their ChargePoint card in front of the station's card reader. The first time a driver accesses a paid station, a \$25 deposit will be charged to their PayPal account, and payment will be deducted from that deposit.

Still No Industry-wide Standard for Fast Charging:

In at least 50 countries, EV drivers can top up their batteries in the time it takes to (leisurely) enjoy a cup of tea, or whatever the local beverage may be with DC fast-chargers. However, automakers have yet to adopt a single standard that would enable all EVs to use all DC fast-chargers. CHAdeMO is still the most common, then Tesla's supercharger standard and, finally, the CCS or combo system is starting to be deployed. The CCS system has been adopted by Chevy, BMW and VW. Also, China is considering a standard of their own. (Editorial Comment): What are they thinking?? The more of any standard that gets installed, the harder it's going to be for the industry to accept a single standard. This is going to hurt the adoption of EVs

Nissan Tests LEAF-To-Home Power System:

Nissan has begun testing its LEAF-to-Home power supply system, which aims to use EV technology to help power grids cope with peaks in demand, provide power during utility outages, and make electricity from renewable sources more viable. EVs' batteries can be used as a backup power source in emergency situations, and will also help stabilize the electrical grid by charging with electricity generated during the night or sourced from solar panels, and supplying it to homes during peak hours. Also, Tesla has scheduled to begin providing a stationary battery system in the Spring of 2015 that will perform the same sort of functions.

BYD is Producing Buses in California:

Chinese electric bus manufacturer, BYD, is producing all-electric buses in Lancaster, California. They delivered their first two California built buses in April of this year to the Antelope Valley Transit Authority. They also have a contract with the Los Angeles County Metropolitan Transportation Authority to provide all-electric buses. The new 40-foot buses, according to BYD, have a 324 kWh iron phosphate battery that can hold a charge for 24 hours and run for 155 miles before needing to be recharged.

UPDATE ON NEW CHARGING STATIONS IN THE NORTH BAY

New DC Fast Charger in Philo:

Greenwood Ridge Vineyards in Philo has installed one CHAdeMO fast charger and one Level 2, J1772 charger. This is 71 miles from Santa Rosa so, now, most EVs can enjoy the Anderson Valley on a day trip. Note that these chargers are free to the winery's customers.

New Charging Stations. The list, below, shows the new charging stations in Sonoma and Marin Counties. Sorry if I missed one or repeated one. As a reminder, RV parks are a great place to get a charge and can be found almost anywhere.

- (1) DCFC and (1) Level II at the Northgate Mall, 5800 Northgate Mall, San Rafael (CHAdeMO & SAE Combo, J1772, evGo)
- (1) DCFC and (1) Level II at the Petaluma Village Outlet Mall, 2200 Petaluma Blvd North, Petaluma (CHAdeMO & SAE Combo, J1772, evGo)
- (3) Level II Bear Valley Visitor Center, 1 Bear Valley Rd, Point Reyes Station (J1772, free)
- (1) Level II at Doran Beach, 201 Doran Beach Rd, Bodega Bay (J1772, Chargepoint)
- (2) Level II at Chateau Diana, 6195 Dry Creek Rd, Healdsburg (80 amp Tesla, free for guests)
- (2) Level II at Kendall-Jackson Wine Center, 5007 Fulton Rd, Fulton, (80 amp Tesla, free for guests)
- (4) Level II at Hansel BMW, 2925 Corby Ave, Santa Rosa (J1772, Chargepoint)
- (10) Level II Deer Creek Village, 429 N McDowell, Petaluma (J1772, Chargepoint)