

NORTH BAY CHAPTER



Electric Auto Association
Promoting Electric Vehicles Since 1967

MAY 2015 EDITION

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THIS MONTH'S NBEAA MEETING

May 9th: There are all kinds of electric vehicles out there. Electric powered boats, bicycles, motorcycles, tractors, skateboards, airplanes and more. Brian Hall of Thunderstruck Motors has had firsthand experience with many of these vehicles. Brian will describe many of these vehicles. The meeting is at Thunderstruck Motors, 2985 Dutton Ave, Suite 3, in Santa Rosa from 10 AM until noon.

FUTURE NBEAA MEETINGS

FUTURE MEETINGS:

June 13th: Peter Oliver of Switch Vehicles, the local EV manufacturer, will describe the components of an electric drivetrain and the functions of these components.

July 11th: The Sonoma County Government's vehicle fleet has more EVs than any other county government. Dave Worthington, the County Transportation Manager, will describe the County's EV program and the status of the State's efforts to develop ADA compliant standards for EV charging stations.

UPDATE ON NBEAA COMMITTEES:

National Drive Electric Day:

The National Drive Electric Week Organizing Committee has scheduled NDEW for September 12-20. The date for the Drive Electric Day, Santa Rosa has, tentatively, been scheduled for September 13th. Please contact Mike Newell (webmaster@nbeaa.org) if you would like to volunteer to help organize this event.

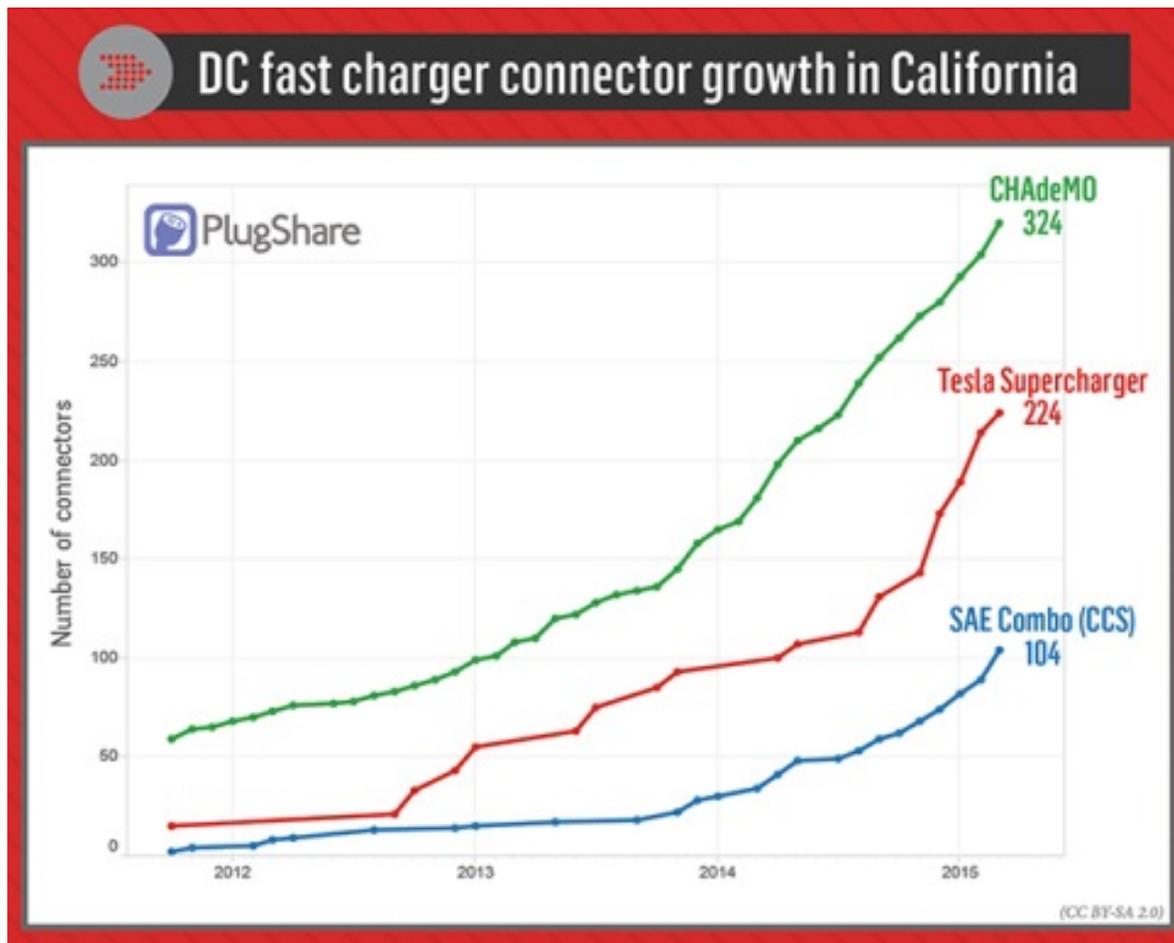
EV EVENTS

May 23rd: Driven to Perfection classic car show in Sebastopol from 10 AM until 4 PM. The organizers have requested 5 or 6 EVs participate in the show. This show takes place in the O'Reilly parking lot. If you would like to participate, please send me an email at info@nbeaa.org.

EV NEWS

CCS Fast Charging Stations about 2 Years behind CHAdeMO in California

According to PlugShare, there are about 6,597 public Level 2 connectors and 652 DC Fast Charging connectors in California. That's over 400% more total connectors than the second most-plugged-in state, Texas, with 1,547 public Level 2 connectors and 96 DC Fast Chargers.



Sunspeed Enterprises Continues to Expand the "Suntrail" Charging Network

Sunspeed Enterprises, our locally owned charging station operator, has taken three major steps in extending its capabilities as well as breaking ground on another charging hub. Sunspeed has announced a Direct Public Offering to California residents to help raise funds for the development of "The Pacific Coast SunTrail Route". Sunspeed has also, established a strategic marketing agreement with the Electric Auto Association to help spread the word about Sunspeed's zero-emissions transportation network. To help pay for the equipment costs, Sunspeed received a grant from the Northern Sonoma County Air Pollution Control District. And, maybe the most meaningful action to its customers, Sunspeed broke ground on a charging hub at the Madonna Inn in San Luis Obispo. To get more information about these and other Sunspeed activities go to this link: sunspeedenterprises.com/home/subscription

EV NEWS (CONT.)

Effect of EVs on CO2 Emissions and Energy in Sonoma County

I have been curious for a while, now, about what impact switching to EVs from gasoline cars would have on CO2 emissions and the energy used in Sonoma County so I did a few calculations. The net results are that if all gasoline (not diesel) fuel for vehicles was eliminated and replaced with electricity, the amount of energy used for the equivalent transportation would be reduced by about 58%. The total amount of energy used in the County would be reduced by about 30%. The percentage differences will increase as we increase the amount of renewables that supply our electrical energy but, for now, these figures represent switching from gasoline fuel to electrical energy of which 67% comes from natural gas fired electrical generating plants. The emissions created by burning gasoline in autos would be reduced by 67% if all gasoline fuel were replaced by electricity. That represents a reduction of about 1.3 million metric tons of CO2. These results show that switching from gasoline powered vehicles to electric vehicles will play a central role in reducing the amount of energy used in Sonoma County as well as the CO2 emitted in the County. I would be happy to send anyone who is interested the calculation worksheets.

UPDATE ON NEW CHARGING STATIONS IN THE NORTH BAY

Sunspeed Enterprises is building a zero emission fast charger network along Highway 1 from Eureka to Malibu, the Pacific Coast SunTrail Route.



- EAA members get a 10% discount. Send your Greenlots login ID (email address) and EAA member number to EAA@sunspeedenterprises.com to sign up.
- California residents can also invest directly in SunsPEED Enterprises, learn more at <https://dpo.sunspeedenterprises.com>
- Learn more about the Pacific Coast SunTrail Route, upcoming sites, and more at www.sunspeedenterprises.com,
- email: info@sunspeedenterprises.com, phone: 415-663-8766

New Public Charging Stations. The list, below, shows the new charging stations in Sonoma and Marin Counties. Also, most RV parks have 240 volt/50 amp outlets that require a mobile charger with a NEMA 14-50 plug. The RV parks also charge a fee for using their outlets.

- (1) DCFC at Good Earth Natural Foods, 720 Center Blvd, Fairfax (CHAdEMO)
- (2) Level 2 (16 kW) at Sea Ranch Lodge, 60 Sea Walk Drive, Sea Ranch (Tesla)
- (1) Level 2 at Taft Street Winery, 2030 Barlow Ln (off of Occidental Rd, Sebastopol (J1772) (restrictions)
- (1) J1772 + (2) Tesla Level 2 at Ram's Gate Winery, 28700 Arnold Dr, Sonoma,

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