

NORTH BAY CHAPTER



Electric Auto Association
Promoting Electric Vehicles Since 1967

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THIS MONTH'S NBEAA MEETING

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. **Please note that this meeting will be held at Switch Vehicles, 380 Morris St, Suite B, in Sebastopol from 10 AM until noon.**

FUTURE NBEAA MEETINGS

FUTURE MEETINGS:

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.

August 8th: How does a hydrogen fuel cell (HFC) car work and how does its performance, efficiency and emissions compare with a battery electric vehicle.

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 and will be held in the Coddington Mall parking lot. Please contact Mike Newell (webmaster@nbeaa.org) if you would like to volunteer to help organize this event.

EV NEWS

Used EVs are starting to Become Available

The LEAFs have been on the market for 4+ years. When the LEAFs first became available, most were purchased. However, for three years, now, very favorable lease terms have incentivized most LEAF customers to lease a LEAF. Last year about 85% of the LEAFs that were registered were leased. Now, the first LEAFs to be leased are starting to come back to the dealerships as their 3 year lease expires. These previously leased LEAFs are selling for significantly reduced prices compared to the price of a new LEAF. Though no official statistics are available, some dealers are saying that the majority of lease-return LEAFs have 12 bars on the battery life. Thus, now, great opportunities for great deals on LEAFs are becoming available. Soon, great deals on other EVs which have been leased will also become available.

2015 Year-to-Date Plug-in Sales in the U.S.

2015 Plug-in sales in the U.S. are about 2% ahead of where they were last year at this time. The data is from a June 2, 2015 Green Car Report

2015 U.S. EV Sales to Date

Tesla Model S*	8,800
Nissan LEAF	7,742
BMW i3	3,905
Chevrolet Volt	4,397
Fiat 500e	3,021
Ford Fusion Energi**	2,577
Ford C-Max Energi**	2,160
Toyota Prius Plug-in	2,426
All Others	6,825
Total	41,853

*Estimated U.S. sales

** Does not include May

Plug In America Releases a Study About Promoting Electric Vehicles in the United States

Plug in America published a study that describes the most effective practices for promoting electric vehicles in the United States. The 35 page pdf file of the entire report can be downloaded at <http://images.pluginamerica.org/Landscape/The-Promotion-of-Electric-Vehicles-in-the-US-final.pdf> . The study describes eleven key findings. Five of the key findings relate to EV marketing practices, three relate to public policy and three relate to available resources for promoting EVs. None of the practices suggested in the report are new concepts, but are concepts that have been proven true over the past three years.

EV NEWS (CONT.)

“DO NOT UNPLUG” Notices for Charging Are Available

To help prevent being unplugged while you are charging, hanging notices can be purchased from Take Charge and Go. The notices have areas to write the time when you will be finished charging and for your phone number. One side indicates “do not unplug”, the other side indicates that it is ok to unplug you. The notices cost \$2.49 each and \$19.99 for a pack of ten.



Comparison of Battery Electric Miles Driven vs. Range Extended Electric Miles Driven

A study was done comparing the electric miles driven by battery electrics and plug in cars with range extending ICE engines. The results are in the bottom row of the chart below. Although the LEAF does drive more electric miles than the Volt, it is only 6% more. However, the LEAF does 138% more than the Fusion Energi. I would attribute this difference to longer all-electric range of the Volt. The data is from a May 2015 Green Car Report article.

	Nissan LEAF	Chevrolet Volt	Ford Focus Electric	Ford Fusion Energi
Number of Vehicles	4,039	1,867	2,193	5,368
Number of Vehicles Months	35,294	20,545	12,622	38,096
Total Vehicle Miles Traveled (VMT)	28,520,792	20,950,967	10,043,000	39,376,000
Total Calculated Electric Vehicle Miles Traveled (eVMT)	28,520,792	15,599,908	10,043,000	12,918,000

Avg. Monthly VMT	808.1	1,019.8	795.7	1,033.6
Avg. Monthly eVMT	808.1	759.3	795.7	339.1
Estimated Annual VMT	9,697	12,238	9,548	12,403
Estimated Annual eVMT	9,697	9,112	9,548	4,069

UPDATE ON NEW CHARGING STATIONS IN THE NORTH BAY

New Public Charging Stations. The list, below, shows the new charging stations in Sonoma and Marin Counties. I apologize if I repeat one from a previous month. Also, most RV parks have 240 volt/50 amp outlets that require a mobile charger with a NEMA 14-50 plug. The RV parks charge a fee for using their outlets. Also note that many hotels and motels make a 120 volt outlet available for guests to use for overnight charging.

(2) DCFC and one Level 2 at The Village at Corte Madera, 1616 Redwood Hwy, Corte Madera (one is CHAdeMO, one is SAE Combo and one J1772) (EVgo)

(1) Level 2 at Hudson Street Wineries, 428 Hudson St in Healdsburg (J1772) (no network)

(1) Level 2 at West Wines, 100 Dry Creek Rd, Healdsburg (J1772) (? Network)

(4) Level 2 at Deer Creek Village, 429 N. McDowell, Petaluma (J1772) (ChargePoint)

(8) Level 2 at AutoDesk, 111 McInnis Parkway, San Rafael (J1772) (Greenlots)

(2) Level 2 at Sears Automotive Center, 9000 Northgate Dr., San Rafael (J1772) (Blink)

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