



William Brown <swctaos@gmail.com>

Renewable Taos Newsletter - JULY 27, 2016

1 message

William Brown <swctaos@gmail.com>
To: David Munoz <dmunoz@taosnet.com>

Wed, Jul 27, 2016 at 9:39 AM



Newsletter

Hello, All – Remember to click on images and blue highlighted text for more information.

**ELECTRIC VEHICLES
ARE A MIRACLE IN
PROGRESS**

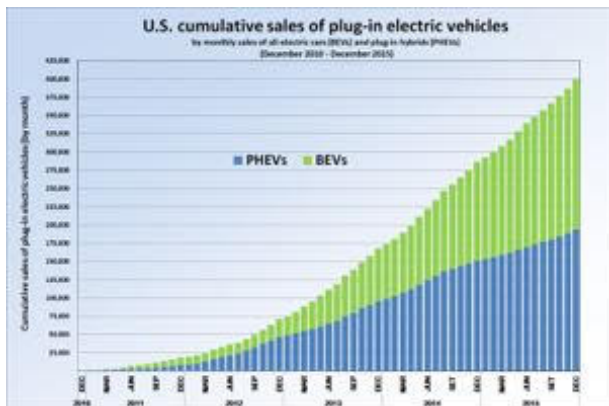


The second major era of electric vehicles has arrived with an explosion of EVs on roads throughout the world. Whether they run only on batteries (BEVs), or as plug-in hybrids (PHEVs) that have both electric and gasoline engines, the global fleet of EVs is growing at an accelerating pace.

**NEWSLETTER
Volume 1, Issue 7
July 27, 2016**



**MEET GUZMAN RENEWABLE
ENERGY SERVICES - OUR NEW
ELECTRICITY PROVIDER**



USA CUMULATIVE SALES OF ELECTRIC AND GASOLINE-ELECTRIC VEHICLES, DEC 2010-DEC 2015

Electric vehicles were a technological success from the 1830s through the early 1900s when they were largely abandoned in favor of gasoline powered vehicles. Today, EVs are a highly improved, economical and technological alternative to gasoline-powered vehicles.

The USA leads the world in BEV and PHEV deployment. The USA's rapidly growing fleet is now about 474,000 highway-capable EVs. As of June 2016, more than one dozen American car manufacturers offered 26 EV models, plus electric motorcycles, utility vans and neighborhood EVs.



Note that BEVs and PHEVs do not include hybrid-electric vehicles — like the Toyota Prius — that cannot be charged from the electric grid.

Ford Motor Company introduced its new Fusion Energi in July 2016 that joins the company's C-Max and Focus family of fully or partly electrified vehicles. Ford plans to put 13 new EV models on the road by 2020.



HELP RENEWABLE TAOS GROW!



JOIN NOW!



**THE U.S. DEPARTMENT OF ENERGY
MAINTAINS A SEARCHABLE MAP OF MORE
THAN 14,000 EV CHARGING STATIONS AND
35,000 CHARGING OUTLETS IN THE USA AS OF
2016**

Like others in the industry, Ford is listening intently to its customers. [A 2015 Ford-sponsored survey](#) showed that an astonishing 92 percent of BEV and 94 percent of PHEV drivers said they would never return to using a fully gasoline-powered car again.

Like the prices of solar panels, prices of advanced batteries required by EVs are dropping dramatically. The coincidence of cheaper batteries and the solar systems to charge them is leading a rapid transition to EVs. Forecasts by industry experts suggest that most new passenger cars on the roads within the next 5-10 years will be EVs.

"Within a decade, we could well see EV sticker prices directly competitive with that of gas-powered cars, while offering zero tailpipe emissions and much lower per-mile costs even running on carbon-free power."

RENEWABLE TAOS AND ELECTRIC VEHICLES

Several Renewable Taos principals own or have ordered battery electric (BEV) or plug-in hybrid electric vehicles (PHEVs). In addition, some charge their vehicles using solar arrays at their homes or businesses.

Renewable Taos is encouraging local governments and businesses to evaluate their vehicle fleets for conversion to BEVs and PHEVs. Many government and business vehicle uses are for short distances on most days.



[CLICK HERE TO READ ABOUT A SOLAR-POWERED VEHICLE BATTERY CHARGING STATION AT A SMALL BUSINESS IN TAOS](#)

CLICK HERE FOR A LIST OF BEVs AND PHEVs WITH REVIEWS, SPECIFICATIONS AND PRICES



**RESIDENTS OF THE KIT CARSON
ELECTRIC CO-OP SERVICE AREA
CONSUMED ABOUT 16,000,000 GALLONS
OF GASOLINE AND DIESEL FUEL IN 2014.
THEY SPENT ABOUT \$44,000,000 ON THESE
FUELS, FOR AN AVERAGE OF ABOUT
\$2,800 PER HOUSEHOLD.**

**LEARN MORE ABOUT ALL YOUR
ENERGY USES AND COSTS [HERE](#)**

PHEVs are an excellent choice for occasional longer trips (to Santa Fe and Albuquerque, for example). Solar powered charging stations can feed electricity into nearby government and business buildings — or the local grid — in addition to charging vehicle batteries.

For Taos and vicinity, about half our fossil fuel energy demands and greenhouse gases emissions are for our use of gasoline and diesel powered vehicles. Further, payments for these transportation fuels leave our local economy and go to transnational fuel providers.

The new demand for renewable energy to power our vehicles also supports the financial position and renewable energy future of Kit Carson Electric Cooperative.

Moves toward vehicles that run on renewable energy generated locally will enhance our economic growth while reducing our regional carbon footprint.

URGE OUR GOVERNMENT OFFICIALS AND BUSINESS LEADERS TO REPLACE AGING VEHICLES IN THEIR FLEETS WITH EVs AND PHEVs. URGE THEM ALSO TO POWER THEIR FACILITIES — AS WELL AS THEIR CARS — WITH RENEWABLES.

UNM INSTALLS NEW EV CHARGING STATIONS

The University of New Mexico in Albuquerque announced the installation of two electric vehicle charging stations in early June 2016. The stations are located in UNM's Cornell and Yale Parking Structures for the convenience of student commuters. Each station can charge two vehicles at a time.



ELECTRIC VEHICLE CHARGE PARKING AT UNM IN ALBUQUERQUE

The UNM Office of Sustainability says this is only the beginning. UNM will continue to add more EV charging stations in the future.

The main entrance to the University of New Mexico



BOB BRESNAHAN BLOG ON KIT CARSON ELECTRIC CO-OP ISSUES

Please read Bob Bresnahan's KCEC blog to help your understanding of KCEC and our transition to a clean energy economy for all our citizens.

campus is on US Highway 66 (Central Avenue) in Albuquerque — see the following article.

NEW MEXICO'S FAMOUS SOLAR-ELECTRIC HIGHWAY

ROUTE 66 GEARS UP FOR EVs WITH A CHARGING STATION NETWORK ALONG THE WAY

Cities and states along legendary U.S. Highway 66 began collaborating in 2014 to install electric vehicle charging stations and solar systems. Illinois kicked off the project with a \$1 million investment in EV charging stations in eight cities.



"The electrification process began in Illinois, with the state putting in charging stations between Lake Michigan and the Mississippi River. In addition to adding more chargers along Route 66, the project also aims to add other green options along the highway. In Albuquerque, NM plans are in place to purchase a fleet of electric buses to be used along the road. Other green projects in the process include the installation of solar panels to power rest stops."

In Conway, Missouri, [Solar Roadways](#) will install the nation's first solar roadway panels on a public right of way. The Missouri Department of Transportation (MoDOT) will test the panels on a sidewalk leading to the [Historic Route 66 welcome center](#). MoDOT then plans to add more panels in the parking lot and other travel areas.

A Ramada hotel in Kingman, AZ on Route 66 also has an interest in Solar Roadways panels to be



**SUPPORT OUR LOCAL SOLAR
SYSTEMS INSTALLERS!**

installed in its parking lot.

[In New Mexico, several motels and other businesses along Route 66 are installing EV charging stations](#) in hopes of attracting the business of electric vehicle drivers.

NEW FUNDING FOR RURAL ELECTRICITY CUSTOMERS

USDA ANNOUNCES RURAL ENERGY SAVINGS PROGRAM

The U.S. Department of Agriculture (USDA) recently announced the availability of \$52 million in loans to help rural families and small businesses reduce their energy use.

The Rural Energy Savings Program (RESP) provides funds to energy providers such as Rural Electric Cooperatives (RECs). RECs then fund energy efficiency improvement projects for homes and businesses.



U.S. DEPARTMENT OF AGRICULTURE RURAL ENERGY SAVINGS PROGRAM QUESTIONS AND ANSWERS

RESP has a zero percent interest rate, longer loan terms, and is open to a broader pool of borrowers than earlier USDA programs.

Applications for the RESP funds will be accepted on a first come first serve basis until available funds are depleted. Letters of intent to apply for the program this year are due by August 5, 2016.

"USDA is committed to offering a variety of financing options to expand efforts to help rural communities save money, reduce the need to purchase or generate energy, reduce emissions from generation of electricity, and help strengthen rural economies through job creation for energy efficiency and conservation projects."



World's First International Electric Vehicle Museum Opens Near Route 66 in Kingman Arizona

The Historic Electric Vehicle Foundation (HEFV) opened its first International Electric Vehicle Museum in Kingman, Arizona in conjunction with the Route 66 international Festival being held there in August 2014.

OUR MISSION

Renewable Taos is dedicated to promoting and facilitating a full transition to renewable energy and energy efficiency in Taos County and our surrounding region.

We advocate for local generation of renewable energy with an emphasis on local ownership. We build community partnerships to facilitate the transition to renewables, and propose and support projects. We recognize that energy efficiency is integral to the transition to renewable energy. We also work with other organizations to change the political climate in the state and country to facilitate the transition to renewable energy and energy efficiency.

#####

Edited by: William M. Brown, July 2016



WE WANT YOUR OPINIONS ON OUR ENERGY FUTURE

Offer your comments and questions about KCEC's operations and current issues such as the proposed rate increase, KCEC debt, the broadband project, and our new wholesale electricity supplier, [Guzman Renewable Energy Services](#).



ARE YOU A MEMBER?



JOIN NOW!



This message was sent to Renewable Taos Members by swctaos@gmail.com

Renewable Taos, Inc.
502 Piñon Court
Taos, NM 87571
<http://www.renewabletaos.org>

Copyright Renewable Taos, Inc. 2016