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Renewable Taos Newsletter - October 2018

1 message

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Newsletter

Welcome to our Renewable Taos Newsletter.

Please click on images and blue highlighted text for more information.

ELECTRICITY GENERATION FROM RENEWABLES IN NEW MEXICO AT ALL-TIME HIGH

NET ELECTRICITY GENERATION FOR APRIL-JUNE 2018 WAS 36% FROM NATURAL GAS, 34% FROM COAL AND 30% FROM RENEWABLES

With continuing additions of utility-scale wind and solar facilities, New Mexico is accelerating its generation of electricity from renewable sources. Current trends show that electricity generation from renewables has grown from near zero in 2001 to about 20% of New Mexico's projected annual total in 2018.

The second-quarter figures below may not represent full-year amounts for 2018, but we are encouraged by the growing percentage of renewables in our energy mix today.

RENEWABLE TAOS NEWSLETTER

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JOIN THE RENEWABLE TAOS CAMPAIGN AND CAST YOUR VOTE FOR CLEAN ENERGY!



ON ELECTION DAY TUESDAY, NOVEMBER 6



USEIA NET ELECTRICITY GENERATION FOR NEW MEXICO, APRIL-JUNE 2018, MEGAWATT- HOURS (MWh)

NATURAL GAS - 3,031,000 MWh

COAL - 2,679,000 MWh

WIND - 1,747,000 MWh

SOLAR (UTILITY-SCALE) - 416,000 MWh

**SOLAR (SMALL-SCALE RESIDENTIAL &
COMMERCIAL) - 74,000 MWh**

GEOHERMAL - 3,000 MWh

BIOMASS, WOOD & OTHER - Negligible

Renewable Taos will continue to track these numbers and place them in context for our outreach to political representatives, business leaders, non-government organizations and the general public.

New Mexico's renewable energy growth began an upsurge in the third quarter of 2015, mainly because of additions of wind power. We will continue to update our members and others about significant milestones in renewable energy production, both in our local area and statewide.

READY FOR 100 REPORT FEATURES NEW MEXICO'S ENCHANTED CIRCLE TOWNS

RENEWABLE TAOS' JOINT RESOLUTION ON RENEWABLE ENERGY PLACES NEW MEXICO ON THE NATIONAL CLEAN ENERGY MAP

In September 2018, the Sierra Club released its latest "[Ready For 100](#)" report featuring cities nationwide that have committed to 100% renewable energy. The report and its national map feature Taos, Angel Fire, Eagle Nest, Questa, Taos Ski Valley and Taos County. All these governments

VOTE FOR THE PROMISE OF CLEANER ENERGY AND A SAFER PLANET

WHAT IS A MEGAWATT-HOUR?

A Megawatt-hour (MWh) is
equal to 1,000 kilowatt-hours
(kWh)



A one megawatt (MW) solar array in the Kit Carson Electric service area will produce an average of about 6,000 kWh per day year around, or about 180,000 kWh per month. This is enough to supply the electricity demands of about 360 homes based on average electricity use in our area.

INFINITI MOTOR COMPANY GOING ELECTRIC IN 2021

signed [Renewable Taos' Joint Resolution on Renewable Energy for North Central New Mexico](#). No other New Mexico towns or cities are included on the map.



SIERRA CLUB

The Sierra Club's READY FOR 100 is a movement of people working to inspire our leaders to embrace a vision of healthier communities powered by 100% clean energy. We are asking mayors, CEOs, pastors, principals, civic and community leaders, parents and students to commit to solutions that help us achieve 100% clean, renewable energy across the United States by the year 2050.

We are pleased to see our efforts recognized by the Sierra Club and major online publications like [Vox](#) and [CleanTechnia](#). These outlets give our communities valuable nationwide recognition, and help set the tone for marketing our region as a clean energy leader.

We still have a long way to go. [Kit Carson Electric Cooperative \(KCEC\)](#) and [Guzman Energy](#) are making great progress on increasing solar and wind electricity for our area. Their work with the [National Renewable Energy Laboratory \(NREL\)](#) has also catapulted our region into the national spotlight. But we need to make faster progress on converting to all-electric transportation and space heating powered by renewables.

DO YOUR PART!

You can help by insisting on clean energy for all our energy demands. Tell your political representatives, business leaders, energy providers, and everyone else in positions of influence that you want our entire region and state powered by clean energy.

GM CALLS FOR NATIONAL ELECTRIC VEHICLE PROGRAM

HONDA & TOYOTA ALSO CALL FOR MORE EVs, FUEL EFFICIENCY & CARBON EMISSIONS REDUCTION

Rejecting federal proposals for rolling back national fuel economy standards, [General Motors Co. \(GM\)](#) asked federal regulators to embrace a [National Zero Emission Vehicle \(NZEV\) program](#). GM's formal comments on Friday, October 27th seek to exceed existing vehicle emissions



INFINITI.

WHY IS INFINITI
PLANNING TO GO
ELECTRIC STARTING IN
2021?

"That's also a natural progression, like the SUVs. It's [electric demand] accelerating faster now. This is what Infiniti will be about in the future. We still will have cars [with combustion engines] in the market in 2021. As we then replace them with a full-model changes, we will go fully into electrification. After a while it will include all our models."

— Roland Krueger,
President, Infiniti Motor
Co.

standards in order to remain competitive in the global automotive marketplace.



"We have a historic opportunity to make personal mobility safer, better and more sustainable. GM is calling for a National Zero Emission Vehicle program to move our country towards an all-electric, zero emissions future. Our ideas will conserve energy, reduce emissions and preserve the freedom that drives American innovation and industrial strength."

American Honda Motor Co., Inc., also called for steadily increasing vehicle fuel efficiency requirements. Toyota Motor Corp. is calling for a 50-state emissions plan "that will continue environmental progress" and avoid conflicting rules in different states.

THE GM PROPOSAL IS PROMISING FOR POLICY, BUT FALLS FAR SHORT IN TERMS OF MEANINGFUL CARBON DIOXIDE (CO₂) EMISSIONS REDUCTIONS

However, the numbers suggested by GM are alarmingly out of line with needed CO₂ emissions reductions. The GM proposal for 7 million long-range electric vehicles (EVs) on USA roads by 2030 misses the mark by a huge margin. Seven million EVs represent only 3 percent of the passenger cars and light trucks with internal combustion engines (ICE vehicles) in use in the USA today. Currently, the USA ICE passenger car and light truck fleet numbers about 240,000,000 vehicles - about two vehicles per household nationwide.



EAGLE NEST 1-MEGAWATT (MW) SOLAR ARRAY ONLINE IN AUGUST 2018



[CLICK HERE FOR THE SOLAR ARRAY CONSTRUCTION VIDEO](#)

"The Eagle Nest facility — which features more than 4,000 panels overlooking Eagle Nest Lake — was constructed thanks to a partnership among Kit Carson Electric Cooperative (KCEC), Guzman Energy, ParaSol Solar and Syncarpha Capital."

The new solar array serves more than 2,000 KCEC members in the Moreno Valley and surrounding area.



ParaSol Solar, LLC is a consortium between Paradise

A typical passenger vehicle emits about 5.1 tons of carbon dioxide per year, This amounts to about 1,224,000,000 tons CO2 per year for the USA. GM's proposal calls for CO2 reductions of only 3,750,000 tons per year for 2021-2030 - about 3.1 percent of current annual CO2 emissions.

Our reality for our transportation carbon footprint is a rapid, massive reduction in ICE ground transportation. GM and automakers of USA car and light trucks should have an initial target more in the range of 70,000,000 (seventy million) EVs rather than only 7 million by 2030.

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.

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Edited by: William M. Brown, October 2018

Power Company (PPC) and Los Ebanistas, Inc. (Sol Luna Solar).

PPC SOLAR, TAOS, NM

SOLLUNA SOLAR, DIXON, NM

SYNCARPHA CAPITAL



"Syncarpha's Eagle Nest project is a 1.3 MW DC tracker array, located in the Village of Eagle Nest, New Mexico. It is Syncarpha's first project under construction in New Mexico. The solar array is estimated to produce around 2,800,000 kWh in its first year of operation."

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WE OFFER ACTION ALERTS, SPECIAL MESSAGES, AND ANSWERS TO YOUR QUESTIONS ON ENERGY AND CLIMATE

RENEWABLE TAOS ON FACEBOOK



**POST YOUR QUESTIONS
AND COMMENTS, AND
LEARN ABOUT WHAT WE DO
FOR A CLEAN ENERGY
FUTURE FOR ALL**



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