

Learn the Truth About

The Humboldt Area Foundation

thclive.net + f from The Humboldt Consequential f + thclive.net

« HARDIN: Denial, the Deepest River in SoHum (/2017/may/1/hardin-denial-deepest-river-sohum/) Meet HSU's New Office of Diversity, Equity and Inclusivity Executive Director! » (/2017/may/1/meet-hsus-new-office-diversity-equity-and-inclusiv/)

Like 72K people like this.

(http://www.facebook.com/home.php#!/pages/Lost-Coast-Outpost/181012571945375) (http://www.twitter.com/lcoutpost) (/feed/) ← Follow

SIERRA JENKINS (/AUTHOR/SIERRA-JENKINS) / MONDAY, MAY 1 (/2017/MAY/01/) @ 7:11 A.M. / LoCO VIDEO REPORTS (/CATEGORIES/LOCO-VIDEO-REPORTS/)

(VIDEO) CLEAN ENERGY: Blue Lake Rancheria Reduces its Carbon Footprint With Launch of a Cutting-Edge, Community-Scale 'Microgrid'



Through the power of partnership and a grant from the California Energy Commission, the Blue Lake Rancheria is now home to a cutting-edge low carbon community scale microgrid.

On Thursday, the rancheria held an elaborate event to celebrate the groundbreaking project, which serves as a true milestone in its efforts to be sustainable and economically viable while being a leader in clean energy.

"This is our piece of Earth that we're not going to leave. You can't pick a reservation up and move it. So if we're going to live here, and our children are going to live here, or seven generations from now, we have to keep it healthy and clean, and that's our goal," said the tribe's vice chairperson and CEO of economic enterprises, Arla Ramsey.

There's multiple components to the microgrid, but basically, solar energy from a massive photovoltaic array is stored in a Tesla battery system and linked to a digital management system.

The solar array is the largest in Humboldt County with more than 1,500 solar modules at a generation capacity of 420 kilowatts, which will produce 663,000 kilowatt hours of energy over a year — enough to power 75 homes. It allows the rancheria to pull and distribute the power when and where it's needed, automatically manages the rate structure. It saves the rancheria an estimated \$200,000 a year, eases the demand on the larger grid and allows the rancheria to island if there's a power outage.

"It's improved our economics, it's created jobs, improved our resilience and ultimately it's succeeded on almost every level that we care about to measure," said the rancheria's director of sustainability, Jana Ganion.

The rancheria worked with an array of technology experts, national labs, local businesses, the state and PG&E. Plus, for almost a decade, the rancheria has developed a close relationship with Humboldt State University and its Schatz Energy Research Center, which played a key role in making the microgrid a success.

"The kinds of technology we're installing and integrating together, it hasn't been done before," said SERC founder Peter Lehman. "So this project and the knowledge we gain from doing this, the lessons we learn from doing this, are going to be applicable in many situations in this country and around the world. So that's how progress occurs — there are pioneers, and we're the pioneers in this project, and people follow on after the pioneers."

In this LoCO Video Report we check out the microgrid celebration and hear from many more people involved.

[Ed. note/disclosure: The Blue Lake Rancheria is part owner of Lost Coast Communications, which owns the Outpost.]

SHARE → f

(https://www.facebook.com/sharer/sharer.php?u=https://lostcoastoutpost.com/2017/may/1/video-clean-energy-blue-lake-rancheria-reduces-its/) t

(https://twitter.com/home?status=%28VIDEO%29%20CLEAN%20ENERGY%3A%20Blue%20Lake%20Rancheria%20Reduces%20its%20Carbon%20Footprint%20With%20Launch%20

COLUMBIA UNIVERSITY

SUSTAINABILITY PROGRAMS

Master of Science | Certifications

Part-time or Full-time

AUG 22

INFO SESSION

REGISTER NOW →

SOLE SAVERS

Auto Sales

WE HELP GOOD PEOPLE WITH BAD CREDIT

707-445-2837

www.solesaversoureka.com

Recently

- CHP: Traffic Collision, Unknown Injuries at 59958-60139 Highway 162 (/chpwatch/2017/aug/13/00144/) 7:11 p.m.
- CHP: Traffic Hazard at Highway 101 N and Trinidad Offramp (/chpwatch/2017/aug/13/00132/) 6:03 p.m.
- Basset Hound Mailbox, Gifted by Mack Homeowner's Late Husband, Fixed by Sheriff's Deputies After Yesterday's Car Chase Ended Abruptly in Their Yard (/2017/aug/13/sheriffs-deputies-involved-yesterdays-car-chase-en/) 6:02 p.m.
- Blue Lake Highlighted in LA Times for Having California's Only All-Woman City Council (/2017/aug/13/blue-lake-highlighted-la-times-having-only-all-wom/) 5:25 p.m.
- CHP: Traffic Hazard at 2555 Patricks Point Dr (/chpwatch/2017/aug/13/00108/) 4:18 p.m.
- CHP: Traffic Hazard at 0 Highway 101 N (/chpwatch/2017/aug/13/00104/) 3:58 p.m.
- CHP: Traffic Collision, Major Injuries at 1350 Highway 299 (/chpwatch/2017/aug/13/00102/) 3:43 p.m.

MORE → (/timeline/)

Great Outback

FRI SAT JULY - AUGUST

Win up to \$200 Cash Back

OUTBACK

5-6 drinks nightly

\$50 Cash back

charashheights.com