



The Manzana Wind Farm in California

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The Endangered California Condor: A Success Story in the Making

Have you ever seen a California Condor? They're the largest land-birds in North America. These amazing creatures have wingspans of almost 10 feet and weigh up to 26 pounds. Sadly, they're also critically endangered. The condor population dwindled to just 27 in the mid-1980s due to habitat loss, poaching, and lead poisoning from the consumption of hunting ammunition left in the carcasses of field-dressed kill. The U.S. Fish and Wildlife Service began an aggressive recovery program in 1987: wild condors were captured and brought to the Los Angeles Zoo and San Diego Wild Animal Park to support their breeding and recovery.

Today a coalition of more than 15 regional governments and nonprofits work together to grow the condor population. These organizations manage a network of condor recovery facilities across western North America where birds can reproduce and care for their young in a protected environment. The location of these centers is kept top secret to ensure that the birds aren't disturbed. Thanks to these efforts, the condor population has slowly rebounded. Today, there are 463 wild or captive condors.

One of these recovery centers, located in northwest Oregon, is managed by The Oregon Zoo. The zoo's recovery program supports condor reproduction in a protected environment, supervised and managed by a team of wildlife biologists. Avangrid Renewables is a corporate member of The Oregon Zoo and is proud to support the efforts of organizations such as the zoo who work to conserve and protect wildlife.

This year, we were excited to deepen our relationship with The Oregon Zoo. The Avangrid Foundation, in collaboration with Avangrid Renewables, awarded The Oregon Zoo a \$50,000 grant to fund improvements that will expand their ability to care for condors and nestlings. The Avangrid Foundation is mission-driven to support biodiversity, with the protection of avifauna and raptors as a primary focus. The grant awarded to The Oregon Zoo will support the purchase of a new freezer to store food for the condors in residence. A new, larger freezer will increase the amount of food the zoo can accept and ensure a stable food supply for more condors.

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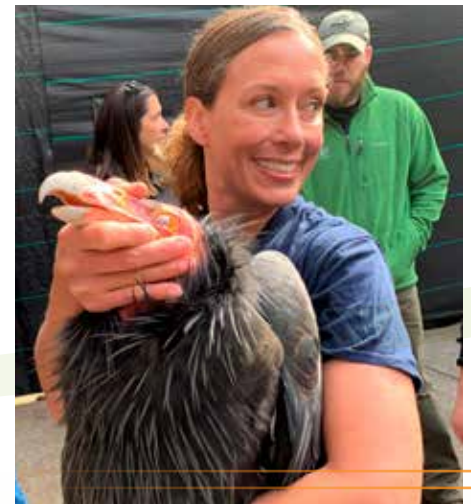


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(California Condors ... continued)

Recently, a group of Avangrid Renewables staff had the opportunity to visit the Oregon Zoo's recovery center. Staff toured the facility, where a team of biologists closely monitor the birds' health and tend to eggs and nestlings. They also observed the enclosed pens where nesting pairs of adult condors raise chicks in preparation for release into the wild.

Those who visited left both inspired and hopeful for the condor's future. When European colonists arrived in North America, they found condors from the Baja Peninsula up into British Columbia and as far inland as the Grand Canyon. While they have been reintroduced into the wild thanks to the efforts of the recovery programs, they are currently only found in a small portion of their historical range. But, thanks to new policies limiting the use of lead ammunition (in California) and the diligent efforts of organizations such as The Oregon Zoo, there is much reason for hope that condors will slowly but surely return to the skies above the western United States. 🦅

America Just Reached 100 GW of Wind Power – Here's What it Means for All of Us



In the second half of 2019, the American Wind Energy Association (AWEA) reported that the U.S. now has 100 gigawatts (GW) of installed wind power capacity.

To put that number in perspective, 100 GW of installed capacity can power 32 million homes, which is almost 10% of the total population. It has been a long process involving federal and state governments, clean energy activists, visionary inventors, new technologies, customers seeking more clean energy, landowners, and 114,000 wind workers across the country who made it all possible.

The first state to lead the wind power movement was California in the 1980s. A decade later, wind farms were popping up in other states, and by 2008, the U.S. had 25 GW of power across 35 states. But, while it took over 20 years to get to 25 GW, it only took another decade to quadruple that number to the 100 GW milestone.

Wind's growth is expected to continue as Americans continue to seek out clean, homegrown power. Meanwhile, the technology continues to improve, and a world full of electric cars, energy-efficient homes, electronic devices, nighttime soccer games, and movie nights means competitive, reliable sources of energy like wind have an important role in our energy supply. "The 100 GW milestone isn't just a progress marker," wrote John Hensley at AWEA. "It also represents...investment in rural America; job creation; domestic manufacturing; clean and affordable power; and health-saving environmental benefits."

These are the benefits Avangrid Renewables has witnessed in our own communities where landowners have welcomed wind farms as a way to boost the local economy, support family farms, and help address climate change. **(continued, pg 3)**

Community



Avangrid Renewables Partners with Vermont Authorities to Study Black Bear Habitat

At Avangrid Renewables, we strive to ensure that every wind farm is designed to minimize its impact on surrounding ecosystems. The Deerfield Wind Farm in Vermont, located in the Green Mountain National Forest, is the first wind farm located on U.S. Forest Service land. It is an ideal site for generating wind power, but the ridgelines that host the turbines are also home to beech tree habitat which provides an important food resource for a variety of mammals, including black bears. In order to ensure our operations have a minimal impact on the surrounding area, as a part of the permitting process, Avangrid Renewables entered into a mitigation agreement with the Vermont Agency of Natural Resources and Vermont Natural Resources Council. The plan includes funding for conservation easements, limiting routine maintenance hours, and restricting unnecessary motor vehicle access in addition to funding research into the impacts of wind farm operations on black bear behavior. Preliminary results from that research project (demonstrated in the photo, taken from a wildlife camera near our turbines, above) show that wildlife is certainly still happy to call the area home; we look forward to sharing the full results when they are available next year.

Helping our Four-legged Friends Stay Healthy this Holiday Season in Ohio and Indiana

In November, Avangrid Renewables partnered with the Humane Organization



Corner

for the Prevention of Euthanasia (H.O.P.E.) near our Blue Creek Wind Farm in Ohio. Avangrid Renewables donated over 460 rabies, distemper and FVRCP vaccines for dogs and cats. "There are so many families with pets that need vaccines, but life circumstances make affording the care for their pets difficult. We are so happy to offer clinics like these and offer an opportunity for those families to keep their pets current on vaccines," says H.O.P.E. community outreach coordinator Tyna Reiter. Avangrid Renewables is proud to support the health of our entire community, including our four-legged family members.



Avangrid Renewables Supports the Oregon March of Dimes

The March of Dimes of Greater Oregon held its annual Signature Chefs Auction and dinner in early November. Avangrid Renewables was proud to support the incredibly successful event and the March of Dimes' mission to support the health of infants and mothers and fight prematurity, birth defects, and infant mortality. The event featured food by Chef Adrian from Pearl Catering in Portland and highlighted the experience of the Bates family, an area family who directly benefited from March of Dimes-funded research into prematurity at the Legacy Health Emanuel Medical Center in Portland when having their second child, Maebe Ashlene. The Greater Oregon March of Dimes was able to raise over \$230,000 to fund further research and support of newborns and mothers. 🌱

(100 GW of Wind Power ... continued)

"Growing up here, all the wind could be a welcome relief on a hot day," explained landowner Marion Weatherford from Arlington, Oregon, who leases his land to an Avangrid Renewables wind farm. "But more often it seemed like a curse. It would erode the soil and further dry out the land and blow your hat across the field. So being able to diversify the land and utilize the wind for something positive like renewable energy, that's a real blessing."



Thanks to landowners like Marion, wind farms are beginning to dot the American landscape and provide innumerable benefits.

Avangrid Renewables is proud to have played a significant role in delivering the first 100 GW. Our most recent additions to the United States' wind fleet are currently being commissioned (which means, they are in the final stages of becoming fully operational) in Texas, South Dakota, and Illinois. Along with other projects currently under development, Avangrid Renewables is working hard to bring the next 100 GW online to continue our mission of building healthy, sustainable communities and fight climate change. 🌱

Get to Know Ryan Leonard, VP of Operations and Management Services

Ryan Leonard, Avangrid Renewables' Vice President of Operations and Management Services, oversees our land group and relationships with our landowners. He has been with Avangrid Renewables for several years, but is new to this role, so we wanted to take this opportunity for folks to get to know him better. Landowner News had the below conversation with Ryan in December, 2019:



How long have you worked for Avangrid Renewables?

I've been here for almost six years. My background is in wholesale electricity markets, and when I started, I was working on the market structure team. That team analyzes the ways in which regulations affect our wind farms. I was originally based in Avangrid's Washington, D.C. office and moved to Oregon to focus on western states in 2016. I assumed this new role in April, 2019.

What do you like best about what you do?

I really enjoy the opportunity to manage different groups and to focus on the strategic direction of the organization. I feel like I'm able to have a positive impact on the business and our stakeholders.

What is your favorite landowner story?

I recently went to my first landowner meeting in Lowville, N.Y. It was held at the Steak n' Brew - right down the street from the only bowling pin plant in the nation that manufactures United States Bowling Congress-approved bowling pins. Beyond the pins, it was great to meet families who had been in the town for generations. The depth of their commitment to and passion for the community was inspiring. And I'm so glad that Avangrid Renewables can be part of their town's story. (continued, pg 4)

Ryan Leonard ... continued)



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For questions about your land agreement or payments, contact us toll-free at (866) 441-4557 or via email at landmanagement@avangrid.com.

How often do you get to visit our wind or solar facilities?

Fairly frequently in my new role – definitely a perk of the job. I visited eight of our wind farms in 2019. I recently traveled from our Peñascal Wind Farms, in south Texas, to the site of the future Roaring Brook Wind Farm in New York state. The two landscapes are about as different as two can be in the United States. But, both were beautiful places where I am proud of the good work we do and positive impact we have.

Which wind farm is your favorite?

I don't have a favorite. I think that the character of each facility is unique – even those that are only a few miles apart. What makes each site special is the people. Our plant managers and technicians are really a part of the communities where they work – they know the landowners and the people who live and work in the area. In some cases, their families may have known each other for generations. While I have only made it to eight facilities so far, I look forward to visiting more in the year to come. 🌱

We're Hiring!

Avangrid Renewables is seeking to fill multiple Wind Plant Tech openings. The position is responsible for onsite operations, maintenance, repairs, and replacement of equipment at our wind energy sites throughout Texas. Strong preference given to Gamesa-qualified technicians; relocation assistance may be available for qualified candidates. Join our team and grow with us! Go to www.avangridrenewables.com/careers for more information.



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