

DIRECTION

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GE Renewable Energy hits 60 GW of global onshore wind installed capacity

GE Renewable Energy recently announced it has more than 60,000 MW of onshore wind turbines installed across the globe. This significant milestone was passed thanks to large projects commissioned in North America as well as in Europe (Turkey, Spain, and Romania). The company has now installed more than 35,000 turbines in 36 countries.

“This milestone is a testimony to our commitment to the wind industry, which is continuing to grow globally,” said Pete McCabe, president and CEO of GE’s Onshore Wind Business. “Wind power represents 34 percent of forecasted renewable energy installs up until 2022. We’re looking forward to working closely with our partners and customers to keep increasing the wind-energy share in the overall energy systems globally.”

In Europe, GE Renewable Energy has also passed a key milestone, having now installed more than 10GW of wind capacity in the region.

In recent months, the company has celebrated key wins that are expected to bring its installed base in Europe to more than 13 GW by the end of 2019:

- Several wind farms will be developed with Forestalia in Spain, for a total of 1.5 GW, which would more than double GE’s wind installed capacity in the country.
- GE Renewable Energy and GE Energy Financial Services announced the 650-MW Markbyg-



GE Renewable Energy is providing 37 MW of wind power for the Tullahennel wind farm in County Kerry, from which Microsoft will purchase 100 percent of the energy produced for a duration of 15 years. (Courtesy: GE Renewable Energy)

den ETT wind farm in Sweden late last year, where the company’s installed base will jump from 243 MW to 893 MW, the equivalent of tripling the capacity installed with just one wind farm.

- In Serbia, a booming market for wind power in Eastern and Central Europe, the company has recently announced it will provide 153 MW for the Cibuk 1 wind farm.

Europe is also a region where strategic partnerships have recently been announced for GE Renewable Energy. The company is providing 37 MW of wind power for the Tullahennel wind farm in County Kerry, from which Microsoft will purchase 100 percent of the energy produced

for a duration of 15 years. The Corporate Power Purchase Agreement is Microsoft’s first agreement of the kind outside of the United States and will help fulfill the company’s growing energy demands from its Cloud Services bases in Ireland.

“We are particularly excited about our growth across Europe, a region with excellent wind resources, a compelling vision of the importance of renewable energy, and an appreciation of the need for stable policy to bring the economic and environment benefits wind power can deliver,” McCabe said. ↵

Source: GE Renewable Energy
For more information, go to www.gerenewableenergy.com

Avangrid Renewables signs PPAs with Google

Avangrid Renewables recently announced that it has signed its first major wind contracts with Google

for 196 MW of new South Dakota wind power.

The power purchase agreements will

cover the full output of Avangrid Renewables’ Coyote Ridge and Tatanka Ridge wind farms in Brookings and

Deuel counties, each 98 MW, just northeast of Brookings, east of Interstate 29. The two wind farms would produce enough energy each year to power the equivalent of more than 50,000 average households with clean, homegrown energy. Once the wind farms come online, the additional capacity will help Google reach its goal of purchasing enough renewable energy to match its energy consumption for global operations.

“Renewables from projects like Coyote Ridge and Tatanka Ridge bring value to our business as we scale and accelerate investment in the communities where we operate,” said Gary Demasi, Google’s director of global infrastructure. “With solar and wind declining dramatically in cost and propelling significant employment growth, the transition to clean energy is driving unprecedented economic opportunity and doing so faster than we ever anticipated.”

Avangrid Renewables anticipates that the two wind farms would contribute more than \$40 million over their lifetimes in combined land lease and tax payments.

“Working with partners like Google who have made a commitment to 100 percent renewable energy for their global operations is exciting and inspiring,” said Avangrid Renewables President and CEO Laura Beane. “This partnership creates a positive impact in these local communities, delivering jobs, new investment, and economic development for rural America while advancing our country’s energy independence.”

In addition to these new projects, Avangrid Renewables already owns and operates the 210 MW Buffalo Ridge II project in Brookings and Deuel counties, the 50.4 MW Buffalo Ridge I project southeast of the proposed Coyote Ridge project, and 50 MW from the 150 MW MinnDakota Wind Farm in Brookings County. Upon commercial operation for Coyote Ridge and Tatanka Ridge, the company will own and operate more than 500 MW of wind power in South Dakota. Avangrid Renewables is finalizing its development work at the Coyote Ridge and Tatanka Ridge projects and expects to be in full construction by 2019. ↴

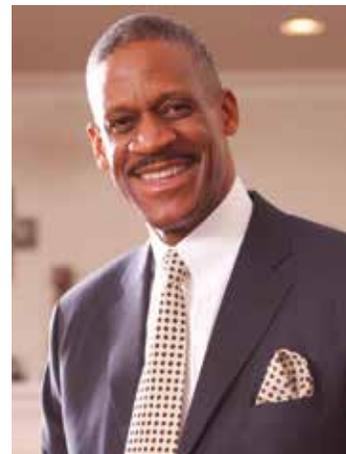
Source: Avangrid Renewables

For more information, go to www.avangridrenewables.us

Siemens Gamesa Renewable Energy appoints CEOs for the Americas region



José Antonio Miranda



Darnell Walker

Siemens Gamesa Renewable Energy has announced the consolidation of its North America and Latin America regions. This move allows the company to obtain greater efficiencies and operational excellence.

For the newly formed Americas region, the company has named José Antonio Miranda and Darnell Walker as CEOs of its Onshore and Service businesses, respectively.

Miranda builds on his previous role as CEO of Latin America and succeeds Jacob Andersen, CEO of Siemens Gamesa’s North America Onshore business. Walker expands his previous role as CEO for the Service North America region for Siemens Gamesa and succeeds Leandro Nuñez, head of the Service Latin America region, who left December 31.

Miranda has extensive experience within the wind power industry. He joined Gamesa in 2007 as division manager for the electrical components, manufacturing division. From 2011 to 2015, he was chairman and chief executive officer for the Asian Pacific region of Gamesa. Beginning in 2015, he led the onshore activities for Gamesa’s Latin America region as CEO and beginning in April 2017 for Siemens Gamesa after the completion of the merger. Prior to his start with Gamesa, Miranda worked for multinational ABB in numerous roles, including business unit director of medium voltage in Spain.

Walker brings more than 30 years of experience across multiple industries including wind power, aerospace, and manufacturing. He joined Siemens in 2015 as head of the Wind Service Americas business. Prior to Siemens, he worked for Logistic Manufacturing Solutions, B/E Aerospace, and General Electric Aircraft Engines, holding various management positions of increased responsibilities. His major achievements include expansion of

business volume and long-term service agreements to improve the company's margins, while expanding market share through product diversification.

Siemens Gamesa has a strong presence in the Americas with a total installed base of more than 26 GW, capable of powering nearly 8 million average

households. Of the 26 GW installed, 17.5 GW are under service. ↴

Source: Siemens Gamesa

For more information:

www.gamesacorp.com/siemensgamesa

NRG Systems and Lasser Eólica partner to offer lattice tower



Gregory Erdmann, NRG Systems' VP of Global Sales, and Francisco Torres, Lasser Eólica's CEO. (Courtesy: NRG Systems)

U.S.-based NRG Systems recently announced Lasser Eólica has joined its global network of service partners and dealers. Based in Spain, Lasser Eólica engineers, installs, and maintains met tower systems across Europe, North Africa, and the Middle East.

NRG Systems, which has been a major force in the wind-resource assessment industry for more than 35 years, is best known for its turnkey tubular tilt-up towers. However, as wind turbines continue to grow in scale, so does the demand for lattice tower systems that excel at capturing hub height measurements greater than 80 meters, when tubular towers are not an option.

Thanks to NRG's partnership with Lasser Eólica, the company is now able

to offer complete lattice tower solutions to customers in regions where this method of wind-resource assessment is preferred. These systems include a Lasser Eólica-manufactured lattice tower as well as NRG sensors and data logger. Lasser will provide project support from development through operation for lattice tower systems, as well as installation support for NRG tubular tower systems in Europe, North Africa, and the Middle East.

"This partnership brings together two of the most successful and experienced teams in the industry," said Gregory Erdmann, NRG System's vice president of global sales. "Partnering with Lasser Eólica is a very important step for NRG Systems, as

it allows us to extend our complete system offerings. We are thrilled to be able to provide customers with entirely turnkey solutions for resource assessment campaigns, no matter where they are."

"We are excited to be teaming up with a company like NRG Systems that continues to be on the leading edge of the global wind-resource assessment industry," said Francisco Torres, Lasser Eólica's CEO. "It is an honor to work together to satisfy the evolving needs of this growing and profoundly important sector." ↴

Source: NRG Systems

For more information, go to nrgsystems.com