



PRESS RELEASE

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ENEL LAUNCHES LATIN AMERICA'S FIRST NANOTECHNOLOGY WASTEWATER TREATMENT PLANT IN PERU'S WAYRA I WIND FARM

- *The plant is one of a kind across the Enel Group's assets and can treat 100% of the water used for the construction of Enel's largest (132 MW) wind project in Peru*
- *Up until Wayra I's completion in 1H 2018, the treatment facility will allow Enel to reuse 350 cubic metres of water while avoiding the emission of 1.64 tonnes of CO₂ by reducing the use of motor vehicles for the removal of mud*
- *Operation of the treatment plant itself is CO₂-free as it is powered by a small wind facility with battery storage*
- *The treatment plant is mobile and can be transferred to other construction sites following Wayra I's completion*

Marcona, October 25th, 2017 – Enel, through its renewable subsidiary Enel Green Power Peru (“EGPP”), has started operating a nanotechnology-based wastewater treatment plant for the construction site of its Wayra I wind project in Marcona, Ica Region, a one of a kind wastewater treatment plant in Latin America.

*“We are proud to have implemented the Enel Group's first project involving nanotechnology in the treatment of wastewater from construction sites,” said **Eugenio Calderón**, Enel's Head of Renewable Energies in Peru. “This new, highly innovative technology allows us to promote more responsible water usage in Peru as well as contributing to CO₂ emission reduction as it does not require any combustion engines to treat wastewater. The initiative fits within Enel's strategy to implement sustainable construction sites and, more widely, is in line with the Group's objective to become CO₂-free by 2050. We are thrilled about the future opportunities offered by this technology and we are continuing to work on a possible wider implementation of similar projects.”*

The new facility filters wastewater through a series of ceramic membranes with BioGill-patented nanotechnology, which allows bacteria to purify water in a natural way. Up until the completion of Wayra I, due in the first half of 2018, the new treatment plant will allow EGPP to reuse around 350 cubic metres of wastewater at the construction site, therefore reducing overall water usage on site. Moreover, the wastewater treatment plant will reduce the use of motor vehicles for the removal of mud, avoiding the emission of 1.64 tonnes of CO₂ during Wayra I's construction. *For a video depicting the innovative wastewater treatment plant, please click: <https://drive.google.com/open?id=0BxOZja76ph4mQVlHS2dFMDRUSIE>*

The operation of the wastewater treatment facility itself is CO₂-free, as it is powered by a small 4 kW wind farm with a 2 kV battery storage system. Once construction activities are completed at Wayra I, the treatment facility, which is mobile, can be transferred to other construction sites.



Wayra I is the first wind farm built by Enel in Peru as well as the largest wind project currently under construction in the country with 132 MW of capacity. The project is expected to generate around 600 GWh of emission-free electricity per year. The total investment in Wayra I amounts to approximately 165 million US dollars.

Enel Green Power, the renewable energies division of the Enel Group, is dedicated to the development and operation of renewables across the world, with a presence in Europe, the Americas, Asia, Africa and Oceania. Enel Green Power is a global leader in the green energy sector with a managed capacity of around 39 GW across a generation mix that includes wind, solar, geothermal, biomass and hydropower, and is at the forefront of integrating innovative technologies like storage systems into renewable power plants.