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Armenia Offshore Wind Power Energy Storage Project



Overview

Will Acciona Energy SL build a wind power plant in Armenia?

By the Memorandum of Understanding signed on March 31, 2017 between the Ministry of Energy Infrastructures and Natural Resources of RA and «Acciona Energy Global SL» company on Wind Power Plant Construction Program in Armenia, it is foreseen to construct wind power plants with capacity of 100-150 MW.

Which company is planning to build a wind power station in Armenia?

«Access Infra Central Asia Limited» United Arab Emirates Company is planning to construct wind power stations in Armenia with capacity up to 150 MW. Two 80 meters height Wind Monitoring Stations have been installed and operated. Guide for the construction of utility-scale wind power plant.

How much wind power does Armenia have?

A 2003 study by the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) estimated Armenia's land areas with "good-to-excellent" wind resource potential to be around 1,000 km². With a conservative assumption of 5 MW per km², the authors noted that the area could support almost 5,000 MW of potential installed capacity.

How many wind farms are there in Armenia?

Armenia's wind energy sector is minuscule. The entire country has just four wind farms with an installed capacity of 4.23 MW and an average annual generation of 3.97 GWh.

How does ADB support Armenia's Wind energy potential?

The Government of Armenia requested support from the Asian Development Bank (ADB) in exploring opportunities to develop Armenia's wind energy potential. ADB responded to the request by preparing the first of two planned phases of technical assistance (TA).

Will a doubling of electricity capacity improve Armenia's Energy Security & Independence?

In the longer term, a doubling of this capacity appears to be economical and will improve Armenia's energy security and independence. Currently, only 35% of Armenia's total electricity demand is met by indigenous resources (primarily hydroelectric), whereas 65% of electricity generation relies on imported natural gas and nuclear fuel.

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