

Greek electricity transmission system operator ADMIE will connect new island-based RES projects with a total capacity of 2.6 GW to the national grid in the next decade, According to its 10-year electricity network development plan.

ADMIE's development plan offers a RES project installation capacity of 2,442 MW for Crete, the Cyclades, the Dodecanese and the northeast Aegean islands, representing potential investments of 2.6 billion euros. This also means that wind and solar power plants will be able to transmit produced electricity to the mainland.

The completion of all four phases of the Cyclades interconnections, scheduled for the second half of 2024, will offer 332 MW for this region. Andros and Tinos will have a RES installation capacity of 72 MW, the capacity for Syros, Paros, Mykonos and Naxos will total 160 MW, while Santorini, Folegandros, Milos and Serifos will be offered a 100 MW installation capacity.

The completion of Crete's small-scale mainland interconnection to the Peloponnese, scheduled for the second half of this year, will offer a RES installation capacity of 160 MW. A further 600 MW will be added once the island's major-scale interconnection to Athens is completed in 2023, when Crete's wind and solar energy capacity total of new and existing RES projects is expected to reach 1,080 MW.

The RES expansion capacity on the Dodecanese and northeast Aegean islands will reach 1,030 MW. Samos, Chios and Lesvos will get 360 MW, Limnos, Kos, Rhodes and Karpathos will get 570 MW, while Skyros will be offered the remaining 100 MW.

The grid interconnections in the island regions will be developed over three phases, which should be completed 2027, 2028 and 2029, respectively.