Desalination And Waste Water Reuse

Section 1: General Information

Summary
the integrated management of conventional and unconventional waters to deal with the water stress that has hit the country for a decade, located in a semi-arid to arid zone:
- securing the drinking water supply through seawater desalination;
- the reallocation of surface water towards irrigation;
- reuse of purified wastewater for irrigation, industrial and urban use;
- preserving groundwater for future generations.

Proponent Name(s) national and international
Proponent Type National Governments
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Region Mediterranean

Section 2: Commitment

Linkages to SDG 6 Safe and Affordable Drinking Water, Implement Integrated Water Resources Management
Target security of the drinking water supply and the economy of fresh water
Linkages to other SDG Climate Action

Section 3: Actions and Outcomes to Achieve Targets

Relevant Sub-Theme Water Security and Prosperity
Actions and Outcomes completion in the first phase of five seawater desalination stations to achieve a contribution ratio to the drinking water supply of 42%. and in the 2nd phase, construction of six desalination stations to achieve a contribution of 60% for the drinking water supply of coastal towns and those in the interior of the country located over 150 km.

Implementation Period
Start Period 1/1/2021
End Period 12/31/2030

Financial Commitment Algerian public banks have financed in syndication 14 major projects (including 7 seawater desalination plants, 4 power plants, 2 ammonia and urea production plants, as well as a cement plant), for a total cost of 593 billion DA and having required bank financing, of the order. The new program exceeds 3.0z0 billion DA (USD 4.400.000), including downstream developments.