



Baynouna Solar Energy Project

Amman, Jordan

Located east of Amman, Masdar's 200MW Baynouna Solar Energy Project is the largest single solar energy project currently under development in Jordan. Expected to be complete in the first quarter of 2020, the plant will supply the annual power needs of approximately 160,000 homes and displace an estimated 360,000 tonnes of carbon dioxide each year.

Developed as a Power Purchase Agreement (PPA) between Masdar and National Electric Power Company, Jordan's state electricity provider, this US\$240 million project will generate 563.3 gigawatt hours (GWh) of electricity each year, equivalent to 4 per cent of the annual energy consumption of Jordan.

The 200MW solar power plant and Masdar's 117MW Tafila wind farm will contribute to Jordan's goal of producing 10 per cent of its domestic electricity needs from renewable sources. Combined, the two projects will account for nearly 18 per cent of the 1.8 gigawatts (GW) of renewable energy Jordan plans to install by 2020.

Quick facts

- 200MW of solar energy capacity
- Annual generation of 563.3 GWh
- Will power 160,000 homes
- Will displace 360,000 tonnes of CO₂ emissions each year
- Developed as a PPA between Masdar and National Electric Power Company, Jordan's state electricity provider