



Baynouna Solar Energy Project

Amman, Jordan

Located east of Amman, Masdar's 200 MW Baynouna Solar Energy Project is the largest single solar energy project in Jordan. The project achieved commercial operation in 2020 and supplies the annual power needs of approximately 160,000 homes, displacing 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 percent of the annual energy consumption of Jordan.

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

QUICK FACTS

- 200 MW 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