

Press Release

Mohammed bin Rashid Al Maktoum Solar Park to reduce over 6.4 million tonnes of carbon emissions annually by 2026

- 24% of Dubai's energy needs from clean sources by 2026 and 100% clean energy by 2050
- AED 50 billion total investments in the solar park until 2030

Dubai, UAE, 11 September 2023: Dubai Electricity and Water Authority (DEWA) continues to enhance sustainability and support the transition towards a sustainable green economy by increasing the share of clean and renewable energy in Dubai's energy mix. This supports the Year of Sustainability in the UAE, during which the country will host the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP28). Earlier this year, DEWA inaugurated the 900 megawatt (MW) fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world, using the Independent Power Producer (IPP) model, with total investments of over AED 2 billion. DEWA has also signed an agreement with Abu Dhabi Future Energy Company (Masdar), to build and operate the 1,800 MW sixth phase of the solar park, with investments of up to AED 5.51 billion.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, explained that the Mohammed bin Rashid Al Maktoum Solar Park will reduce around 6.424 million tonnes of carbon emissions annually after commissioning the 6th phase in 2026.

"In line with the vision and directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, DEWA supports the UAE's efforts to reach Net-Zero by 2050 and realise the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Carbon Emissions Strategy 2050, to provide 100% of Dubai's total power capacity from clean energy sources by 2050. To achieve this goal, we continue to implement the projects of the Mohammed bin Rashid Al Maktoum Solar Park as per the timeline. The total capacity of the solar energy projects commissioned at the solar park has reached 2,427MW, which is 16.3% of the total installed capacity in Dubai. This percentage will reach 24% in 2026 after the completion of the Fourth and Sixth phases. The solar park has a planned production capacity of 5,000 MW by 2030 using solar photovoltaic panels and concentrated solar power with total investments of AED 50 billion. When completed, the solar park will reduce over 6.5 million tonnes of carbon emissions annually," said **Al Tayer**.



Phases of power production and carbon emissions reduction:

The 13MW 1st Phase: reduces 15,000 tonnes of carbon emissions annually

The 200MW 2nd Phase: reduces 214,000 tonnes of carbon emissions annually

The 800MW 3rd Phase: reduces 1.055 million tonnes of carbon emissions annually

The 950MW 4th Phase: will reduce 1.6 million tonnes of carbon emissions annually when completed

The 900MW 5th Phase: reduces 1.18 million tonnes of carbon emissions annually

The 1800MW 6th Phase: will reduce 2.36 million tonnes of carbon emissions annually when completed

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