



WORKING TOWARDS THE UAE'S NET ZERO TARGET

Emirates Water & Electricity Co. (EWEC) is at the forefront of the UAE's energy transformation, **driving the decarbonisation** of the energy sector by pursuing strategies that are accelerating the pace of the energy transition. They commission the development of, and deploy, transformative technologies including **four of the world's largest single-site solar power plants**, and the **world's largest reverse osmosis water desalination plant**.

- 1** EWEC met over **80% of total power demand** using renewable and clean energy sources
- 2** By 2030 EWEC plans to increase Abu Dhabi's total **solar power generation capacity to 7.6 GW**, and meet over **90% of total water demand** from low-carbon intensive reverse osmosis desalination.
- 3** Through the delivery of renewable and clean energy supply, EWEC forecasts **50% carbon emissions reduction** from more than 40 million tonnes in 2020, to approximately 20 million tonnes by 2025.

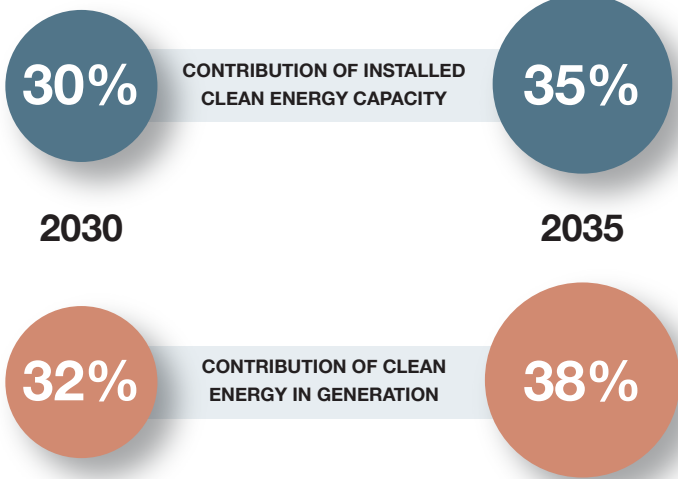


With the increased demand for energy and a rapidly growing economy, the **UAE Energy Strategy 2050** aims to **triple**

the contribution of renewable energy by **2030** with an investment of **AED 150 - AED 200 billion**, while aiming to reach **net zero** by **2050**.

In the run up to 2030, the strategy will also target a 42-45% increment in individual and institutional energy consumption compared to 2019, create 50,000 new green jobs and eliminate the contribution of clean coal entirely.

CLEAN ENERGY CONTRIBUTIONS



EWEC's KEY MILESTONES

- 2017**: **Noor Abu Dhabi Solar PV** breaks the world record for the most competitive tariff achieving **AED 8.888 fils/KwH**.
- 2020**: **40 Million carbon emissions**
- 2022**: **Al Dhafra Solar PV** Secured one of the most cost-competitive tariffs for solar PV energy in the world, set at **AED 4.97 fils/KwH**.
- 2023**: **Taweelah Reverse Osmosis Plant** Over 90% water production from reverse osmosis desalination.
- 2024**: **Barakah Nuclear Energy Plant** The first nuclear energy plant in the Arab World, leading the **biggest decarbonisation efforts** in the region.
- 2025**: **20 Million carbon emissions** (50% reduction from 2020)
- 2026**: **Al Ajban Solar PV Project** The energy produced by Al Dhafra will **power almost 200,000 households** in the UAE.
- 2030**: **Increase solar power generation to 7.6 GW**
- 2035**: **Clean Energy Strategic Target** 60% of Abu Dhabi's electricity will be generated from clean and renewable resources.
- 2050 GOAL**: **ACHIEVING NET ZERO**

EWEC's KEY PROJECTS

