

# Wind solar storage cost breakdown in Iraq 2030

What is Iraq's solar energy strategy?

Iraq's solar energy strategy should be based on attracting foreign direct investments with strong commitment to diversifying its energy mix and to become energy independent bolstered by its willingness to collaborate with international array of local and foreign partners. Iraq's path forward is not, however, free of potential pitfalls.

Does Iraq need to invest in solar energy?

The country's approach by Gaffney, Cline & Associates in 2018 for the to attract investment in solar energy has not Government of Iraq (GoI), Iraq needs to invest been very successful previously, including the more than US \$44 billion for five years in gas-to- government offer of US\$162; 3.5 per kWh feed-power value chain<sup>11</sup>.

How many solar power sites are there in Iraq?

In July 2019, Iraq's Ministry of Electricity invited independent power producers to participate in developing seven PV solar power sites with a combined capacity of 755 megawatts (MW) in the range between 30 MW to 300 MW. Many local and foreign developers saw the announcement as a move forward in an attempt to diversify the country's energy mix.

How much power will Iraq have in 2025?

If the current supply for new generation continues, Iraq will be able to add 8,000 - 10,000 MW of power generation to the grid in the next five years to reach 28,000 - 30,000 MW by 2025 including on average 1,000 - 1,500 MW of renewable energy (mainly utility-scale solar PV)<sup>39</sup>.<sup>38</sup>.

How much energy does Iraq use?

About 90% of the energy consumption of Iraq is based on fuel; the rest is supplied by natural gas. According to IEA, the electricity demand in Iraq, will increase with a 6% annual growth rate by 2030 and is expected to double to around 17.5 GW average per year.

How much electricity will Iraq use in 2030?

Iraq electricity consumption according to the IEA is projected to double to 150 terawatt-hours (TWh) in 2030 from 75 TWh in 2018<sup>38</sup>.



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