

# Iran's Bushehr nuclear plant back online after two weeks

July 5 2021

---



This file photo taken on August 20, 2010 shows the reactor building at the Bushehr nuclear power plant in southern Iran.

Iran's only nuclear power plant has been brought back online, its manager said early Monday, after two weeks off-grid amid a power shortage and rolling blackouts across the Islamic republic.

The Bushehr plant's shutdown was initially blamed on a "technical fault" that required repairs followed by conflicting reports that it was a regular maintenance operation.

The plant going offline came as Tehran and world powers in Vienna talks attempt to revive a hobbled 2015 agreement on Iran's nuclear programme that was torpedoed by the United States.

It returns to the grid as [major cities](#) across Iran including the capital Tehran are experiencing frequent blackouts blamed on high summertime demand exceeding production levels.

The "technical fault" that shut down the Bushehr plant "was fixed", Mahmoud Jafari, who is also deputy head of the Atomic Energy Organization of Iran (AEOI), told ISNA news agency around midnight.

That allowed the plant to be reconnected to the national [power](#) grid and resume production.

Jafari said [power generation](#) had resumed Sunday, and urged Iranians to "help" the overburdened grid by minimising [power consumption](#) as high temperatures are forecast in the coming days.

The plant on Iran's southern coast and its 1,000-megawatt reactor were built by Russia and officially handed over in September 2013 after years of delay.

Russian and Iranian firms started work on two additional 1,000-megawatt reactors in 2016, with construction expected to take 10 years.

On June 20, the AEOI had blamed "a technical fault" for the shutdown and said it had given the energy ministry one day's notice before going

offline.

It said two days later that the issue was with the plant's "power generator", without explaining further.

But Iran's foreign ministry at the time described the shutdown as "routine," saying it was carried out "once or twice each year".



This handout satellite image provided by Maxar Technologies on January 8, 2020 shows an overview of Iran's Bushehr Nuclear Power Plant.

## Record power consumption

Bushehr plant chief Jafari said in late March that Iran was having a difficult time obtaining supplies to run Bushehr because of US sanctions, and warned of an imminent shutdown "if no solution is found".

Tehran is engaged in talks with world powers in Vienna to revive the 2015 [nuclear deal](#) that gave Iran international sanctions relief in exchange for limiting its nuclear programme.

But hopes for rising prosperity were dashed in 2018 when former US president Donald Trump unilaterally withdrew from the accord and reimposed punishing sanctions on Tehran.

Trump's successor Joe Biden favours rejoining the accord and his administration is indirectly involved in the Vienna talks to salvage the deal.

Bushehr going off-grid had raised concerns of worse blackouts after a string of power cuts in Iran blamed on heat, drought impacting hydro-electrical facilities, and surging electricity demand.

Iran introduced planned, rolling blackouts in May after Tehran and several other cities were hit by unannounced power cuts, sparking complaints from consumers and an apology from the energy minister.

A spokesman for Iran's electricity company on Monday apologised for unplanned cuts the night before.

Mostafa Rajabi-Mashhadi said record consumption of 65,900 megawatts had exceeded Iranian power plants' 55,000 MW output and a "looming heat wave" could exacerbate the situation, IRNA news agency reported.

Power cuts are not uncommon during Iran's hot summers, when air-conditioning use spikes. Adding to the problem, the country's hydropower capacity has been hit by low rainfall.

A government report in May said precipitation was down 34 percent compared to the long-term average, and warned of reduced water supplies for the year.

© 2021 AFP

Citation: Iran's Bushehr nuclear plant back online after two weeks (2021, July 5) retrieved 18 April 2024 from <https://techxplore.com/news/2021-07-iran-bushehr-nuclear-online-weeks.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.