

What is the EU state aid scheme for energy storage in Italy?

The European Union (EU) Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh of energy storage in Italy. The scheme totalling EUR17.7 billion (US\$19.5 billion) will provide annual payments covering investment and operating costs for those developing, building and operating large-scale energy storage in Italy.

Does Italy need 9gw/71gwh of energy storage?

Italy's TSO Terna says it needs 9GW/71GWh of energy storage by integrate its renewables pipeline. Image: Terna. The European Union (EU) Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh of energy storage in Italy.

How will Italy invest in electricity storage?

Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years. The new storage capacity will be acquired through tenders published by Terna, the manager of Italy's high voltage grid. The next tender will be released in 2024.

How will Italy develop utility-scale electricity storage facilities?

To develop utility-scale electricity storage facilities, the Italian Government set up a scheme that was approved by the European Commission at the end of 2023. Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years.

Does Italy need electricity storage?

As Italy's energy mix is increasingly composed of variable renewable energy sources, electricity storage will be needed to integrate power generated by renewables into the national grid and make it available when sun and wind energy are not accessible.

Are battery energy storage systems needed in Italy?

Therefore, battery energy storage systems (BESS) are needed in Italy. The Italian market for BESS is growing rapidly and currently amounts to 2.3 GW but it almost exclusively consists of residential scale systems, associated with small scale solar plants, having a capacity of less than 20 kWh.

Solar Energy Corp. of India (SECI) is inviting bids from developers to supply 1.5 GW of firm, dispatchable power from renewable energy projects with storage systems. The successful bidders will set up RE projects with storage on a build-own-operate basis to supply RE power in a demand-following manner. Bids can be submitted till Jan. 9, 2024.

Bidding closed yesterday (16 July) in SECI's tender for 1,200MW of solar PV and 600MW/1,200MWh battery energy storage systems (BESS) to be deployed at locations across India and connected to the ...

Established in 2008, Altea Green Power is developing over 1.5 GW of solar and wind projects and around 5.5 GW of BESS projects. In November, the Italian firm kicked off the construction of a 1-GW BESS project at home as part of its strategy to have 5.5 GW of installed storage capacity by 2026. (EUR 1 = USD 1.082)

By 2026 Altea is aiming to have developed a BESS capacity of 5.5GW throughout Italy. As Energy-Storage.news wrote in a recent edition of Solar Media's quarterly journal PV Tech Power, Italy's grid-scale market is set to boom in the next few years as more renewables come online and transmission system operator (TSO) Terna puts in place ...

The Italian regulator, Gestore dei Mercati Energetici (GME), announced that the PUN will be abolished starting January 1, 2025, though it will continue to serve as a benchmark for long-term electricity contracts. The PUN is the national single price i.e. wholesale reference price of electricity purchased on IPEX - Italian Power exchange.

But, many more are coming, as Energy-Storage.news explored in a special feature for Vol.35 of PV Tech Power, Solar Media's quarterly technical journal for the downstream solar and storage industries. While the first half was one of growth, the second quarter saw the first sequential fall in deployments in nine quarters.

Cubico is the latest in a long list of developer/IPP's announcing 1GW-plus BESS pipelines in Italy, including Matrix Renewables, Octopus Energy, Volt ESG, SUSI Partners, Altea Green Power, Eku Energy as well as Field, Innovo Renewables and Aquila Clean Energy EMEA, which Energy-Storage.news interviewed for a deep-dive on the Italy market for an ...

Table 1: 3 Pillars of Italian power market policy. ... 71 GWh (12-15GW) of Terna storage tenders targeted by 2030. First auctions are scheduled for December 2024, with the first capacity delivery year for BESS likely to be 2027. This is now approaching fast and is sharpening focus of storage investors on participation strategy and developing a ...

1. Expected Tender Requirements. The BESS tender is part of Bulgaria's RESTORE Project, which aims to provide funding for constructing and putting into operation at least 3000 MWh in battery storage capacity to enhance the balancing of the electricity system. Each enterprise can bid for up to BGN 148,642,080 in grant support.

FCA Italy S.p.A. ("FCA"), a wholly-owned subsidiary of Fiat Chrysler Automobiles N.V., and ENGIE EPS (EPS:FP), Italian technology player in Energy Storage, Hydrogen and e-Mobility, announce that they have been awarded with 25 MW of capacity in the context of the tender process held yesterday by the Italian grid operator Terna.

Last year, Mytilineos secured 31 MW of projects in Terna's fast reserve auction that will see it provide fast reserve services to the Italian grid in 2023-2027. The company noted that its RSD unit is developing 380 MW

of battery storage projects in Italy, Spain and Australia and will seek to reach 600 MW within the third quarter of 2022.

Solar Energy Corp. of India (SECI) is accepting bids to set up 2 GW of solar PV power projects with 1 GW/4 GWh energy storage systems on a build-own-operate basis. The projects can be located ...

Italy's transmission system operator Terna has awarded five-year contracts for battery energy storage systems (BESS) to provide Fast Reserve grid services in an oversubscribed pilot auction. After Terna rolled out its plans for the pilot towards the beginning of this year, the Italian regulator approved the auction and the first one was held ...

The panel discussion on Day 1 of the Energy Storage Summit EU in London last week. Image: Solar Media. Italy's grid-scale energy storage market opportunities are unlike anywhere else, but many challenges and uncertainties around the different revenue streams remain, including the upcoming MACSE capacity market auction.

The new NTPC tender is for 150MW/300MWh of battery storage at the site of an NTPC solar PV plant in the Madhya Pradesh city of Gadarwara, and 100MW/200MWh at one of the IPP's thermal power plants in Solarpur, Maharashtra. Formerly known as National Thermal Power Corporation of India, the company rebranded to NTPC Limited in 2005.

The New South Wales (NSW) government's largest energy storage tender in the state's history has now opened, offering support for up to 1 GW of projects that can each release energy into the state's grid for at least eight hours, equivalent to the daily energy consumption of 505,000 houses.. In concert with the launch of the NSW Electricity Infrastructure Roadmap ...

A render of a battery storage project from Innovo Group, which has teamed up with Iberdrola to deploy large-scale solar, wind and storage in Italy. Image: Innovo Group. The grid-scale energy storage market in Italy is set to become one of the most active in Europe in the next few years having been close to non-existent until now.

The Bulgaria's Ministry of Energy began accepting applications yesterday (21 August) in tenders for 3,000MWh of energy storage capacity. Called the National infrastructure for the storage of electricity from renewable sources (RESTORE), the programme seeks battery energy storage system (BESS) resources that will go into operation by March 2026.

NHPC Ltd has launched a tender to select developers for setting up 1.2 GW of grid-connected solar PV power projects with energy storage systems (ESS) and additional PV capacity up to 1.2 GW with ESS under "Greenshoe Option."

In the seventh round of renewable energy source (RES) tenders called by the GSE (Gestore Servizi Energetici

## Italian power storage tender

- Energy Service Provider) - from the "auctions" and "registers" quotas - Enel Green Power Italia and Enel Produzione have been awarded 129.6\* MW split between new renewable capacity and refurbishment of hydropower plants already in service.

On 21 August 2024, the Bulgarian Ministry of Energy opened a tender procedure for National infrastructure for storage of renewable energy (RESTORE) for granting stand-alone battery energy storage system (BESS) tender funded under the EU's Recovery Resilience Facility (the "Procedure"). The deadline for submitting applications will be 17:00 on 21 November 2024.

The tender is designed to support the integration of solar and wind power into the grid by providing energy storage solutions that can release electricity on demand. The NSW Electricity Infrastructure Roadmap Tender 5 is now accepting proposals for ...

Enel is active in BESS globally, with a portfolio that includes the Azure Sky solar and storage project in Texas (pictured). Image: Enel Green Power . Utility and IPP Enel has sold a 49% stake in its subsidiary that will own and operate 1.7GW of battery energy storage system (BESS) projects in Italy, to investor Sosteneo.

To add to this RPC Altea Green Power's deal for storage project expansion in Italy. Renewable Power Capital (RPC), in partnership with Altea Green Power, is undertaking a major project to establish 1GW of battery energy storage systems in Italy. This project adds to RPC's extensive energy storage pipeline in Europe, which now exceeds 5.5GW.

The reverse auction was launched with a Notice Inviting Tender (NIT) issued by SECI on 15 March for the Request for Selection (RFS). Buying entities for the solar-generated power will set 2-hour periods each day during which energy will be drawn from the energy storage system (ESS), determined on a day-ahead basis.

Falck Renewables SpA (BIT:FKR) announced on Tuesday it was awarded 7.5 MW of storage power in a tender held by Italian grid operator Terna SpA (BIT:TRN). Through its development and dispatching subsidiaries -- Falck Next Srl and Falck Next Energy Srl, the renewables company secured the award at a price of EUR 18,800 (USD 22,851) per MW per ...

The Garigliano plant (Image: Sogin) The Garigliano boiling water reactor was connected to the grid in January 1964 and was shut down in 1982. Sogin said the tender - valued at about EUR36 million (USD39 million) - provides for the segmentation and extraction operations of the components and the vessel, which are heavily contaminated, to take place under water, ...

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