

LATEST NATIONAL ENERGY STORAGE SUBSIDY POLICY



Does state energy storage policy support decarbonization? The report highlights best practices, identifies barriers, and underscores the urgent need to expand state energy storage policymaking to support decarbonization in the US. This report and webinar were developed on behalf of the Energy Storage Technology Advancement Partnership (ESTAP).



How effective is energy storage policymaking? Yet the most effective approaches to energy storage policymaking are far from clear. This report, published jointly by Sandia National Laboratories and the Clean Energy States Alliance, summarizes findings from a 2022 survey of states leading in decarbonization goals and programs.



What are the different types of energy storage policy? Approximately 16 states have adopted some form of energy storage policy, which broadly fall into the following categories: procurement targets, regulatory adaption, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.



What is a storage policy? All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal. Regulatory changes can broaden competitive access to storage such as by updating resource planning requirements or permitting storage through rate proceedings.



Does Maryland offer a state tax credit for energy storage? In 2022, Maryland became the first state to offer state income tax credit for energy storage that provides up to \$5,000 for residential customers and up to \$75,000 for commercial and industrial customers, subject to a program total of \$750,000 per year.

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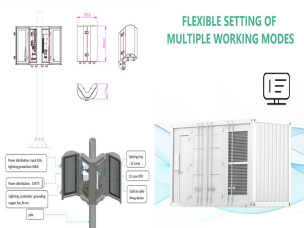
Do energy storage projects qualify for a bonus rate? Energy storage projects (i) not in service prior to Jan. 1, 2022, and (ii) on which construction begins prior to Jan. 29, 2023 (60 days after the IRS issued Notice 2022-61), qualify for the bonus rate regardless of compliance with the prevailing wage and apprenticeship requirements.



This edition of Indonesia's Energy Policy Briefing offers an update on the main measures undertaken in the context of the second year of the COVID-19 pandemic and related to subsidies to fossil fuels, the power sector, and renewable energy.



In 2020-2021, in response to the COVID 19 pandemic, Argentina has committed at least USD 1.44 billion to supporting different energy types through new or amended policies, according to official government sources and other publicly available information. These public money commitments include: At least USD 1.36 billion for unconditional fossil fuels through 7 policies ???



CHARGING FORWARD: POLICY AND REGULATORY REFORMS TO UNLOCK THE POTENTIAL OF ENERGY STORAGE IN AUSTRALIA 3

The national energy market framework currently undervalues many of these benefits. to be traded in exchange for a subsidy for a battery. 9. The Australian Energy Regulator (AER) should support the transition to demand ???



On March 21, the National Development and Reform Commission (NDRC) and the National Energy Administration of China issued the New Energy Storage Development Plan During China's "14th Five-Year Plan" Period. The plan specified development goals for new energy storage in China, by 2025, new

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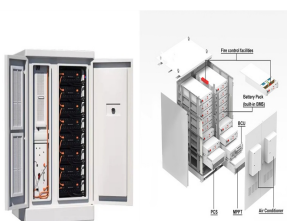
comprehensive analysis outlining energy storage requirements to meet U.S. policy goals is lacking. Such an analysis should consider the role of energy storage in meeting the country's clean energy goals ; its role in enhancing resilience; and should also include energy storage type, function, and duration, as well



Xia Qing, Professor of Electrical Engineering, Tsinghua University: The takeoff of grid-side energy storage in 2018 injected new vitality into the whole market, not only bringing new points of growth, but also driving a reduction of costs for energy storage technologies and guiding technologies towards a direction more suited to the power system.



Energy storage resources are becoming an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy sources. There are currently 23 states, plus the District of Columbia and Puerto Rico, that have 100% clean energy goals in place. Storage can play a significant role in achieving these goals ???



The Future Made in Australia Act, likely to be a pillar of next month's budget, is designed to build local industries focusing on the clean energy transition including renewable hydrogen, solar power, battery energy storage systems, green metals, and emerging renewable sources and technologies. "We can make more things here," Albanese said.



The Telangana Electric Vehicle & Energy Storage Policy 2020-2030 aims to be a comprehensive policy to make the state an EV hub. The southern India state of Telangana is the latest to come out

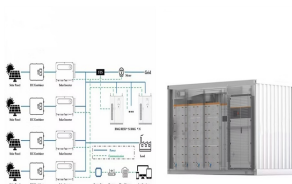
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In addition, the "Energy Law of the People's Republic of China (draft for comment)" encouraged the development of smart grid and energy storage technology. The National Energy Administration's response to Recommendation No. 9178 of the Third Session of the Thirteenth National People's Congress stated that for some energy storage projects



A government subsidy in Sweden will cover 60% of the cost of installing a residential energy storage system, up to a maximum of 50,000 kroner (US\$5,400). Battery, wiring, management systems and installation will all be eligible for payment under the subsidy.



In 2020-2021, in response to the COVID 19 pandemic, France has committed at least USD 71.29 billion to supporting different energy types through new or amended policies, according to official government sources and other publicly available information. These public money commitments include: At least USD 7.59 billion for unconditional fossil fuels through 4 policies (2 quantified ???

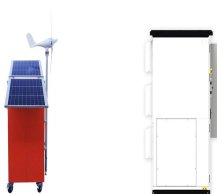


The "Telangana Electric Vehicle & Energy Storage Policy 2020-2030" builds upon FAME II scheme being implemented since April 2019 by Department of Heavy Industries, Govt. of India, where it also suggested States to offer fiscal and non ???



In 2020-2021, in response to the COVID 19 pandemic, Japan has committed at least USD 21.40 billion to supporting different energy types through new or amended policies, according to official government sources and other publicly available information. These public money commitments include: At least USD 1.63 billion for unconditional fossil fuels through 3 policies (2 quantified ???

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Energy storage installations that are placed in service after Dec. 31, 2022, and begin construction prior to Jan. 1, 2025, are entitled to the existing ITC under Section 48(a). ???



Details Battery Storage Subsidies in Japan. Introduction . In the Sixth Strategic Energy Plan, published by the Japanese Government in October 2021, targets are set to (a) achieve carbon neutrality by 2050; (b) increase the share of renewables as part of Japan's total electricity generation to 36-38% by 2030 (including 19-21% from solar and wind) compared to ???



The Energy Policy Tracker has finished its first phase of tracking related to the Covid-19 recovery. Our dataset for 2020-2021 is complete. National: Clean unconditional: Energy storage incentives (2022 Budget) Power generation: Multiple renewable: This measure consists in a temporary increase in subsidies for electric and hybrid



The energy portion of India's latest budget for 2024-2025 released last month provided some new announcements related to developing a national energy transition pathway, including a taxonomy for climate finance, a roadmap to move hard-to-abate industries to emission targets, and the promotion of nuclear energy and pumped hydro storage.

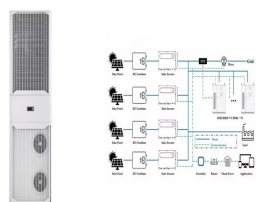


Figure 2: Illustration of Hire Purchase Contract by Anne Pellegrino. These are just some examples of the many financing schemes available today that Anne Pellegrino will be delving deeper into during her presentation at the 13th Energy Storage World Forum Virtual Conference ch schemes allow end-users to improve their organisational energy efficiency without high upfront ???

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Li Zhen, deputy secretary-general of the China Energy Storage Alliance, believes that the release of Qinghai's energy storage subsidy policy is good for the industry. The policy makes clear that energy storage is prioritized to ensure a certain number of consumption hours, and provides clear standards for subsidy implementation.



The integration of renewable energy sources into the grid is facilitated by user-side energy storage, which also enhances the flexibility of the power system. firstly, under the subsidy policy uncertainty, there is a significant difference in the policy implementation effect, which is jointly determined by the policy expectation and the



Details of major schemes and the steps announced in the Union Budget 2023 aimed at promoting clean energy and sustainable living are given.. In line with the announcement made in the Union Budget 2023-24, the Ministry of Power has formulated a Scheme on Viability Gap Funding for development of Battery Energy Storage Systems with capacity of 4,000 MWh.



Our estimates show that this has led total energy subsidies to surge to a 9-year high of INR 3.2 lakh crore (USD 39.3 billion) in FY 2023 (see methodology note for details). In FY 2023, both clean energy and fossil fuel subsidies grew by around 40%, with subsidies for renewable energy and electric vehicles growing slightly faster.



Pacific Northwest National Lab, Energy storage policy database, (n.d.). IRENA, International Energy Storage Policy and Regulation Workshop, D'sseldorf, Germany (2014) Google Scholar [53] Energy storage monitor. Latest trends in energy storage, 2019. Google Scholar [89]

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Various regions have introduced investment subsidies for energy storage projects. For example, in Zhejiang Province, for photovoltaic power projects with an installed capacity greater than 1000 kW, there was a one-time subsidy of 0.3 yuan/W for the installed capacity, as well as a one-time subsidy of 0.3 yuan/W for energy storage capacity.



Table ES1. Key findings on public support for energy. 2. Energy-Related Revenues and Externalities. Energy is an important source of revenue for central and state governments. In FY 2020, the total energy revenue for the centre, states, and UTs was estimated to be INR 699,565 crore (USD 94 billion), around 17% of all government revenue.



The outgoing Minister for climate and energy policy Rob Jetten made the announcement as part of the national government's "Multi-Year Program Climate Fund 2025" last week. The latest subsidy allocation is part of the larger ???416 million package announced last year for PV co-located battery energy storage system (BESS) starting next year for a



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