

# Long term storage of energy New Caledonia

What will TotalEnergies do in New Caledonia?

Noumea, December 20, 2021 - TotalEnergies will develop a series of photovoltaic and energy storage projects in New Caledonia in order to deliver decarbonized electricity via a 25-year renewable power purchase agreement (PPA) for the industrial operations of mining and metallurgy consortium Prony Resources New Caledonia.

Is TotalEnergies developing a 160-megawatt solar project in New Caledonia?

TotalEnergies is developing a 160-megawatt solar project in New Caledonia as part of a 25-year renewable-power purchase agreement with mining and metallurgy consortium Prony Resources New Caledonia. The photovoltaic arrays will be developed between 2022 and 2025, along with 340 MWh of battery storage capacity.

What is New Caledonia doing for energy transition?

TotalEnergies and Prony Resources New Caledonia Join Forces for the Territory's Energy Transition through a 160 MW Solar Project

How many solar panels does New Caledonia have?

Equipped with more than 58,000 solar panels, the plant has installed capacity of nearly 16 megawatts-peak (MWp), enough to cover the energy needs of over 21,000 residents of New Caledonia. The plant will feature a lithium-ion energy storage system (ESS) with a capacity of nearly 10 MW.

Does Prony resources support decarbonization in New Caledonia?

"Prony Resources New Caledonia's commitment to decarbonization is both ambitious and pioneering in the industry. We are very proud to support their energy transition, and that of New Caledonia," said Thierry Muller, CEO of TotalEnergies Renewables France. "As industrial firms, we think and act responsibly."

TotalEnergies to develop 160 MW solar power and energy storage project in New Caledonia. ... "With this long-term partnership, we are demonstrating it is possible to support industrial activity ...

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Launched in January, the new "Long-term Decarbonisation Power Source Auction" hosted by the country's national association of grid operators, OCCTO, concluded with the announcement of results at the end of last month (30 April).. Up for award were 20-year fixed revenue capacity market contracts with utility companies for non-emitting power resources.

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Cruachan Dam, Scotland, where Drax has a 440MW pumped hydro energy storage (PHES) facility. Image: Drax. A cap and floor regime would be the most beneficial solution for supporting long-duration energy storage in the UK, a report from KPMG has found. The professional services firm was commissioned to write the report by power generation group Drax.

Demand for long duration energy storage (LDES) technologies will increase in the 2030s to facilitate increasing variable renewable energy (VRE) penetration. Key technologies being developed for LDES, offering lower capital costs (\$/kWh) than Li-ion at longer durations of storage, will be needed for supporting increased VRE penetration. This IDTechEx report ...

Battery storage has grown rapidly over the past 15 years, with annual deployment rates nearing 5 GW. Over the next decade, Bloomberg New Energy Finance estimates that more than 200 GW of new battery storage could be added. As the market evolves, innovative companies are stepping in to meet the demand for new solutions.

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A battery energy storage system deployed by the largest company in the sector, Fluence. Image: Leonardo Moreno via LinkedIn. Long duration energy storage technologies like flow batteries, compressed air or ...

Meanwhile Dr William Acker, executive director of NY-BEST, a trade association and technology development accelerator, said Roadmap 2.0 recognised "the critical role for energy storage in meeting our climate goals and enabling an emissions-free electric grid and puts New York on a path to deploying 6GW of energy storage by 2030, reinforcing ...

In this white paper, Guidehouse provides energy storage stakeholders from private or public sector with an overview and roadmap to address renewable energy production intermittency, improve security of supply and resilience, ...

Energy-Storage.news reported a while back on the completion of an expansion at continental France's largest battery energy storage system (BESS) project. BESS capacity at the TotalEnergies refinery site in Dunkirk, northern France, is now 61MW/61MWh over two phases, with the most recent 36MW/36MWh addition completed shortly before the end of ...

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New Caledonia is facing a major energy crisis. Enercal, the archipelago's main power system operator, is accumulating a chronic deficit that threatens the stability of the electricity supply. In response to this emergency, the French government is granting Enercal a "repayable advance" of 1.7 billion Pacific francs (14.2 million euros).

The regulatory Board of Public Utilities said last week that the NJ SIP "will build a critical foundation for a long-term energy storage effort in the State". It has opened up for public comment in the new RFI, which follows a number of stakeholder engagement sessions the Board has held since publication.

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