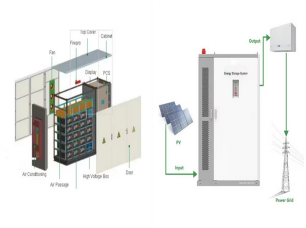
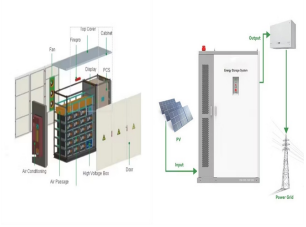
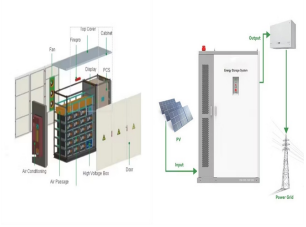
COMPLETION REPORT OF ENERGY STORAGE PROJECT



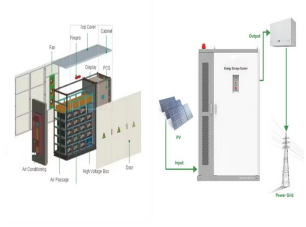
What is the purpose of the pumped storage hydro project report? The purpose of this Report is to provide a basis for future commercial development of pumped storage hydro technology in Australia, through detailing the Project specifications and lessons learned through the feasibility, development and financing activities for the Project up to financial close. 2. PROJECT SUMMARY



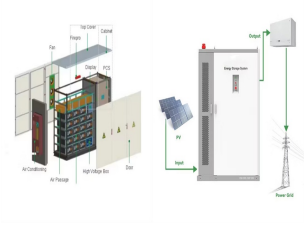
Does project finance apply to energy storage projects? The general principles of project finance that apply to the financing of solar and wind projects also apply to energy storage projects. Since the majority of solar projects currently under construction include a storage system,lenders in the project finance markets are willing to finance the construction and cashflows of an energy storage project.



How much does a project cost at completion? The project total cost at completion is the equivalent of USD 119.14 million, about 91.9% of the initial cost estimated at appraisal (about USD 129.7 million). The reduction in the actual cost is due to a conservative cost estimate at appraisal and good competitive prices. The competitive contract prices are due to strong international competition.

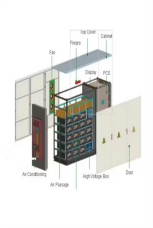


What technology risks are associated with energy storage systems? Technology Risks Lithium-ion batteriesremain the most widespread technology used in energy storage systems,but energy storage systems also use hydrogen,compressed air,and other battery technologies. Project finance lenders view all of these newer technologies as having increased risk due to a lack of historical data.

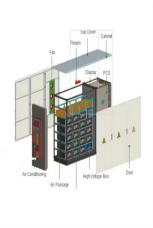


Do project finance lenders consider technology risks in energy storage projects? Project finance lenders view all of these newer technologies as having increased riskdue to a lack of historical data. As a result,a primary focus for lenders in their due diligence of an energy storage project will be on technology risks.

COMPLETION REPORT OF ENERGY STORAGE PROJECT



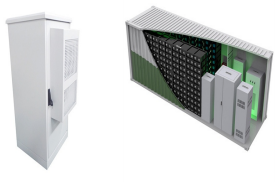
Why did the procurement process delay project completion? It should be noted that the procurement process contributed to a substantial delay on the initial target date of project completion,which was caused by the receipt of only one bid from five prequalified bidders,and then the bidder was also found non-responsive during bid evaluation.



NRECA report "The Value of Battery Energy Storage for Electric Cooperatives: Five Emerging Use Cases" (January 2021). Designing A Project: Key Considerations Elements of the procurement, construction, and commissioning of battery energy storage have much in common with traditional infrastructure and technology procurements.

Project Completion Report Project Country/Region: Uganda Project Title: Testing Synergies in Distributed Renewable Village Power in Africa Date: 22ndDecember, 2015 Project Reference Number: AAGL-0047b Note to supplier: This progress report is intended to summarise the complete progress of the project. The report should be results focused

Battery Storage Proposal, Pricing, and Project Completion Guarantee - Offer Good Through June 15, 2021 With a decade of expertise, Convergent finances and manages all aspects of the energy storage development cycle to help customers reduce electricity costs and increase reliability. Convergent's commercial, industrial, and utility-scale assets



The Kidston Pumped Hydro Project is the flagship project of the Kidston Clean Energy Hub, located in Kidston, Far-North Queensland. The Kidston Pumped Storage Hydro Project is the first pumped hydro project in Australia for over 40 years, the first to be developed by the private sector, and the third largest electricity storage device in the

COMPLETION REPORT OF ENERGY STORAGE PROJECT


According to Mortenson, the EPC contractor for the energy and solar storage scopes, the project represents the largest solar plus energy storage hub in the United States. Construction on the site began in 2021 and featured over 1,000 workers. The project covers over 4,600 acres with over 1.9 million First Solar modules.


Energy-Storage.news has reported on similar deals during 2021 for CCAs like Desert Community Energy, which signed a 20-year PPA with developer Vesper Energy for the output of a 50MW PV plant with 200MWh of battery storage, announced in May; San Diego Community Power's PPA with developer Baywa r.e. for a 70MW PV plant with 280MWh of DC ???

Terra-Gen and Mortenson have announced the full substantial completion of the Edwards & Sanborn Solar + Energy Storage project, the largest solar plus energy storage project in the United States. Mortenson was the full Engineering, Procurement, and Construction (EPC) contractor on both the solar and energy storage scopes.


report no: icr00005774 implementation completion and results report ibrd-8057 on a loan in the amount of us$640 million to the republic of indonesia for the upper cisokan pumped storage hydro-electric power (1,040 mw) project renamed "pumped storage te hnial assistan e projet" june 25, 2022 public disclosure authorized


"Aypa is poised to materially contribute to California's renewable energy and storage goals, and the Cald project will expedite our operational presence in the state." "Eolus" goal is to develop high-quality projects that contribute to meeting climate targets and maintaining reliable electrical grids.

COMPLETION REPORT OF ENERGY STORAGE PROJECT

National EPC delivers complex solar plus storage project in just four months Edison, NJ, June 23, 2020 ??? CS Energy, LLC, a leading integrated energy firm that designs and builds optimized

PLYMOUTH, NH (May 17th, 2021) ??? New Hampshire Electric Cooperative (NHEC) announced the completion of its first utility scale energy storage project. The 2.45 megawatt (MW) battery project was developed in partnership with ENGIE North America (ENGIE), a leading provider of energy storage services.

Great River Energy collaboration In 2020 Great River Energy and Form Energy entered a partnership to jointly develop the Cambridge Energy Storage Project, a 1.5-megawatt, grid-connected storage system capable of delivering its rated power continuously for 100 hours ??? far longer than the four-hour usage period available from utility-scale lithium-ion batteries today. ???

By Ben Shrager & Nyla Khan . How can innovation drive down the cost of emerging long duration energy storage technologies? Learn the answer to this question and more in the latest report by DOE's Office of Electricity (OE) called, "Achieving the Promise of Low Cost Long Duration Energy storage," part of the Office's efforts to support the Long Duration ???

Concentrated solar thermal power (CSP) is a state-of-the-art renewable energy technology that converts direct normal irradiation into usable heat, generating medium- to high- temperature ???

COMPLETION REPORT OF ENERGY STORAGE PROJECT

The project will facilitate the understanding of how standardization and conformity assessment can help mitigate the safety risks associated with Role of Battery Energy Storage Systems (BESS) and support the implementation of clean energy policies in the APEC region, and in ???

The Cultana Pumped Hydro Energy Storage - Phase 2 project will develop a 225 MW pumped hydro energy storage facility in South Australia. Report: Cultana Pumped Hydro Energy Storage Project Phase 2. This report details the proposed construction a 225MW, 8-hour SPHES system to provide GWh scale energy storage services to the national

The Project would consist of two power blocks, each containing 64 Form Energy multiday energy storage (MDS) battery enclosures and 16 auxiliary enclosures. It would provide 5 megawatts (MW)/500 megawatt hours (MWh) of 100-hour, iron-air, energy storage. The Project site would occupy two areas within adjacent PG& E parcels.

Independent Evaluation Group (IEG) Implementation Completion Report (ICR) Review Pumped Storage TA Project (P112158) Page 1 of 18 Report Number: ICRR0023085 1. Project Data Project ID Project Name P112158 Pumped Storage TA Project Country Practice Area(Lead) Indonesia Energy & Extractives L/C/TF Number(s) Closing Date (Original) Total Project

The Crimson Energy Storage Project created 140 union jobs during peak construction. The storage project is part of the larger Crimson Solar Project to be constructed at a future date. The entire project includes approximately 2,000 acres of BLM-managed land, located 13 miles west of Blythe in Riverside County.. The Crimson Energy Storage Project is in an ???

COMPLETION REPORT OF ENERGY STORAGE PROJECT

The Draft Environmental Impact Report (EIR) for the Morro Bay Battery Energy Storage System (BESS) project was available for public review and comment from March 11 through May 28, 2024. This 79-day public review period exceeds the 45-day review period required under the California Environmental Quality Act (CEQA). Each comment letter ???

The Tomago Battery Energy Storage System (BESS) is an energy storage project proposed by AGL to be located in Tomago, NSW in the Hunter-Central Coast Renewable Energy Zone. The scope of the works includes: A 500 megawatt / 2,000 megawatt hour BESS; above- and below-ground transmission

Utility EWEC (Emirates Water and Electricity Company) has invited developers to submit expressions of interest (EOI) for a 400MW battery energy storage system (BESS) project in the UAE. The EOI process for the greenfield BESS was announced this week (7 March) by the utility, which operates primarily in Abu Dhabi, the capital Emirate of the

Energy Storage . An Overview of 10 R& D Pathways from the Long Duration This report is one example of OE's pioneering R& D work to LCOS is the average price a unit of energy output would need to be sold at to cover all project costs (e.g., taxes, financin g, operati ons and maintenance, and the cost to charge the storage system).

Home Energy Loan Program Project Completion Report The Project Completion Report is the final step to accessing funding from the City of Toronto's Home Energy Loan Program (HELP) (the "Program"). This report is to be provided no later than 14 days after completing your Post-Retrofit Home Energy Assessment by the Certified Energy Advisor.

COMPLETION REPORT OF ENERGY STORAGE PROJECT

Completion Report Project Number: 42117-013 Loan Number: 2616 Grant Number: 0196 carbon capture and storage carbon capture, utilization and storage certified emission reduction CHNG CO2 COD EIA EIRR Senior Project Officer (Energy), People's Republic of China Resident Mission K. Ozoa, Senior Operations Assistant, EARD

megawatts of power and 565 megawatt--hours of battery energy storage, the lithium-ion project would be the largest stand-alone battery storage system in the state upon its projected