



Philippines solar power irrigation project

Is there a solar-powered irrigation system in the Philippines?

The Philippines has inaugurated a solar-powered irrigation system in the province of Isabela, in the northeastern part of the country. The PHP 65.7 million (\$1.1 million) project was constructed between July 2023 and February 2024 and boasts more than 1,000 solar panels.

Will the Philippines' biggest solar-powered pump irrigation project boost agricultural production?

MANILA, Philippines -- President Marcos inaugurated yesterday the country's biggest solar-powered pump irrigation project that is seen to boost agricultural production. The P65.7-million Cabaruan Solar-Powered Pump Irrigation Project (SPIP) in Quirino, Isabela is expected to irrigate 350 hectares of rice field, benefitting 237 farmers.

What are some examples of solar-powered irrigation projects?

One successful example of NIA's solar-powered irrigation projects is the BUSPAN Solar Pump Irrigation System in Malamig, Bustos, Bulacan, serving 350 hectares and 320 farmer-beneficiaries. The ANBUSPA Solar Pump Irrigation System in Tibagan, Bustos, Bulacan, irrigates 1,200 hectares and benefits 1,000 farmers.

How many solar-powered pump irrigation projects are being built?

According to the Chief Executive, 152 solar-powered pump irrigation projects are being constructed, with 118 projects to be put up by the government. So far, 82 solar-powered pump irrigation projects were completed last year, Marcos said. Isabela is the biggest corn producer and the second biggest contributor to palay production in the country.

Will solar-powered irrigation work in your barangay?

"Certainly because of the construction of this solar-powered pump irrigation project, in your barangay there will be a continuous flow of water in the irrigation systems, crops will be well taken care of, your harvests will increase, double to the product."

Will solar-powered irrigation help improve rice production?

A P30-billion worth of solar-powered irrigation projects for additional 791 sites is proposed to provide irrigation water supply to 39,694 hectares nationwide. This boost in solar-powered irrigation projects will help improve the rice production in the country and will support the top priority of President Ferdinand R. Marcos, Jr. on food security.

President Ferdinand R. Marcos Jr. inaugurated on Monday the Cabaruan Solar-Powered Pump Irrigation Project (SPIP), one of the country's first and biggest solar-powered pump irrigation projects to address rising challenges of ...

Solar-power irrigation projects, he said, are seen as a solution to address the challenges hounding the



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agriculture sector, including the adverse impacts of typhoons and the El Niño phenomenon. ... (Our cooperation to develop our agricultural sector is just one of the main steps towards building a New Philippines where no one goes hungry and ...

Solar power irrigation harnesses the sun's energy to supply water to a field. It differs from a traditional irrigation system which uses a lot of fossil fuels that harms the environment. ... As pioneers of the first solar irrigation projects in the Philippines, we want to do what's best for our farmers. Preserving their land and business by ...

The province of Isabela, located in the northeastern part of the Philippines, has launched an innovative solar-powered irrigation system. Between July 2023 and February 2024, a PHP 65.7 million (1.1 million USD) project was implemented, featuring over 1,000 solar panels.

NIA Central Office - A total of 82 solar power-driven pump irrigation projects were completed nationwide by the National Irrigation Administration (NIA) headed by Administrator Engr. Eduardo Eddie G. Guillen in 2023. For CY 2023, there are 150 potential irrigation sites for solar power-driven amounting to Php 1,654,583,000.

The project, which costs around \$9.4 million, involves the installation of solar panels that cover a 1.2-kilometer stretch of the Magat River Integrated Irrigation System canal in the province of Isabela. The solar panels will generate up to 2.8 megawatts of electricity, enough to power the irrigation system and up to 350 households in the area.

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"Aside from the Solar-Powered Irrigation and Domestic Water System project, Bohol has witnessed the launch of two other remarkable renewable energy endeavors - the Solar and Wind-Powered Water and Lighting Project in Sitio Mahayahay, Barangay Montesuerte, Carmen, and the Wind-Solar Powered Water Project in Ubay," disclosed Estrella ...

The National Irrigation Administration of the Philippines has launched a procurement project with a budget of around PHP 97 million (\$1.66 million) for the development of two solar power-driven ...

A P1-million worth of Solar Power Irrigation System (SPIS) project, located at Banquero, Reina Mercedes in the province of Isabela, is now operational after the Department of Agrarian Reform (DAR), in partnership



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with the local government unit of Reina Mercedes, has completed its construction. ... Philippines" DAR Completes P1-M Solar-powered ...

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President Marcos also highlighted the broader efforts of the NIA in spearheading solar-powered pump irrigation projects across the region. With a total of 15 projects already underway and plans for further expansion, these initiatives are poised to revolutionize agricultural practices and enhance the livelihoods of farmers across the Philippines.

To attain rice self-sufficiency by 2020, a total of 500,000 hectares of farmlands across the country need to be supplied with water. This is based on the computation presented by Agriculture Secretary Manny Piñol to President Duterte, which served as a basis for the establishment of Solar Powered Irrigation Systems (SPIS) in strategic areas within the ...

As of September 15, 2023, NIA has already completed the construction of 17 solar-powered irrigation projects, amounting to Php 117,360,002. These projects provide reliable irrigation water supply to 830 ...

Solar Power Irrigation System - Types. Surface Irrigation, in which water is moved across the surface of agricultural lands. Localized Irrigation, like spray or drip or trickle system where water is applied to each plant or adjacent to it. Sprinkler Irrigation, in which water is piped to one or more central locations within the field and distributed by overhead high ...

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Philippine President Ferdinand R. Marcos Jr. inaugurated the Cabaruan Solar Powered Pump Irrigation Project (SPIP) in Quirino, Isabela, which stands out as the largest irrigation system of its kind in the Philippines.

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The Department of Agriculture has allotted P17 billion for the Philippine Solar-Irrigation Project and P1.2 billion for the construction and improvement of small-scale irrigation projects, the ...

Applying socio-economic and environmental analyses to the case of the Philippines, the study found the environmental benefits of solar irrigation in terms of the reduction in GHG emissions of up ...

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