

Alternative power generation Laos

Should Lao PDR transition to alternative energy sources?

Lao PDR's coal industry is relatively new and thus it would be easier to transition to alternative energy sources and technologies, particularly to solar PV and biomass, in addition to further increasing the hydropower capacity.

Will Laos be able to access electricity by 2030?

In response, the Lao PDR has an overall goal of enabling electricity access for a minimum of 98% of the overall population by 2030. According to the Center for Strategic and International Studies (CSIS), "in 2019, 80% of all [Laos'] electricity generation came from hydropower."

Does Laos need energy expansion?

While expansion in the energy sector proves difficult, the Lao PDR has made a commitment to electrification and energy expansion in Laos to allow all its citizens to have access to electricity, especially as various organizations offer suggestions and plans for Laos to reach its energy goals.

How can Laos decarbonise the energy sector?

New techniques and technologies will be needed to decarbonise these areas. Laos' 2011 Renewable Energy Development Strategy aims to achieve a renewable energy share of 30% in total energy consumption by 2025. The policy encourages investment in renewables and small power development for self-sufficiency and grid connection.

Should Lao PDR phase out coal?

On the basis of economic, environmental and social benefits and the country's vast renewable energy resources, including solar PV and biomass, phasing out coal would be the justified choice of Lao PDR's energy transition. This would be also in alignment with the global move to phasing out coal as well as progressing towards net zero carbon by 2050.

Does Laos still have electricity?

While the use of hydropower has helped Laos electrify the nation, increasing electrification rates from 15% in 1995 to 90% in 2019, around 5% of citizens still do not have access due to remote terrain locations that makes grid expansion difficult. Around 80.3% of rural areas and 97.4% of urban areas have access to electricity as of 2018.

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A better path forward would be for Laos to manage its own power grid to increase the efficacy of its growing

electricity exports, along with much-needed revenue, and help develop its domestic grid for more solar power on its path to net zero in 2050.

The first priority of Lao PDR's energy policy is to provide reliable, affordable, and sustainable electricity to ensure economic growth and to reduce poverty. The main focus areas are to increase the electricity access and hydropower development.

The Ministry of Industry and Trade wants the government to import more wind energy from Laos in addition to hydroelectricity. Vietnam has been purchasing hydroelectricity from Laos since ...

the energy mix consisted of hydropower, oil, coal, solar and biomass. As there were many power plants in Lao PDR generating electricity for export in 2019, the export figure reached 25,048 ...

o We are working with USAID Clean Power Asia to address these issues: - What potential vulnerabilities does the power sector in Lao PDR have? - What is the appropriate method to assess these vulnerabilities? - What options are there to improve power sector resilience? - What results and information of this study can be used in ...

Hydropower has become important energy resource for power generation and such role will be unchanged in the reference scenario. While large hydropower resources of developed countries have already exploited, the large hydropower projects development will ...

Hydropower generation is planned to rise from 9.6 gigawatts (GW) to 28.0 GW - a 290% increase - assuming all planned, under construction, and memoranda of understanding developments are realised.

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4 ???· The Ministry of Energy and Mines (MEM) is considering adjustments to electricity pricing for the 2024-2028 period to sustain long-term electricity generation and supply in Laos. ...

The emphasis on increased coal production signals a lack of attention towards alternative renewable energy, particularly compared with the regional push towards solar and wind in the Lower Mekong Basin.

Thailand is biggest power importer from Laos accounted with about 90 per cent of the total export. In the base case, Thailand considers alternative power generation options including, ...

Figure 14: Progress of access to electricity by scenario..... 27 Figure 15: Access to clean cooking fuels and technologies by scenario..... 28 Figure 16: Renewable Energy shares in TFEC and power generation, 2030.....

31

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