

What is Panama's green hydrogen roadmap?

Panama's National Energy Secretariat released the Green Hydrogen Roadmap, which identifies hydrogen as the future fuel and aims to position Panama as the Global Green Hydrogen Route par excellence in light of the region's commitment to decarbonization and energy transition.

Is Panama adopting green hydrogen?

Deputy National Energy Secretary of Panama, Rosilena Lindo, discusses the future of green hydrogen in her country at the Third Hydrogen Congress for Latin America and the Caribbean, H2LAC 2023. Panama sees it as a space where they can decide on the direction they want to go regarding green hydrogen.

How much of Panama's bunkering supply is green hydrogen?

The strategy aims to have 30% of Panama's bunkering supply sourced from green hydrogen by 2024. By 2050, the target is even more ambitious, with a goal of reaching 40% of Panama's bunkering supply from green hydrogen, along with 30% for aviation and 30% for heavy cargo transport vehicles and machinery.

How much H2V will Panama produce in 2024?

According to the ENHIVE strategy, Panama aims to produce 2,000,000.00 tons of H2V and/or its derivatives locally in 2024. Furthermore, the strategy targets 30% of Panama's bunkering supply to be sourced from green hydrogen by 2024.

How much green hydrogen will Panama produce by 2040?

Panama's strategy aims to produce four times 500,000 tons of green hydrogen or its derivatives in the country by 2040, totaling 2,000,000 tons. The strategy identifies the maritime industry as an especially promising market for clean fuels, as shipping companies seek to reduce their carbon footprints.

Is Panama a leader in the green hydrogen industry?

Panama aspires to be a leader in the global green hydrogen industry with its newly unveiled National Strategy for Green Hydrogen and Derivatives (ENHIVE).

Panama's strategy calls for producing 500,000 tons of green hydrogen or its derivatives in the country by 2030 and four times that amount by 2040. The strategy identifies the maritime industry as an especially promising ...

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By 2030, Panama aims to significantly boost local production of 500,000 tons of H2V (hydrogen) and/or its

derivatives. Additionally, the country plans to ensure that 5% of Panama's bunkering supply comes from this clean energy source.

According to the strategy, Panama has the theoretical potential to produce around 4 million tonnes of green hydrogen per year by 2040. In order to reach this potential, the country's would need 67 GWh of electricity by 2040, which means stepping up investments in renewable energy projects nationwide, the text of the strategy says.

While green hydrogen, produced through electrolysis, aligns with global emission reduction policies, blue hydrogen, derived from natural gas with CO2 capture, presents an alternative for Panama's energy hub aspirations.

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The Panama Canal recently witnessed the transit of the Energy Observer, the first electric-powered ship to run on a combination of renewable energy and a hydrogen production system from seawater. One can only wonder, is this hydrogen-based, renewable-source marvel a feasible example for the world?

Secretary Lindo highlighted Panama's interest in attracting more companies for green hydrogen production and storage infrastructure, emphasizing favorable conditions for foreign investments. The summit showcased collaboration opportunities for advancing the hydrogen industry, with a global participation of leaders from public and private sectors.

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