

Taipei renewable electricity

There are currently three ways to obtain renewable energy in Taiwan: signing a Corporate Power Purchase Agreement (CPPA), self-consumption, and purchasing a Renewable Energy Certificate (T-REC) [Figure 2. Green energy acquisition patterns in Taiwan \(2022\)](#) Source: National Renewable Energy Certification Center

The prices of both bundled or unbundled T-RECs are determined by the market and therefore fluctuates. In addition, even though the Taiwanese government has not set a floor price, the price of the T-RECs must be higher than the FIT rates, which provides an incentive for renewable energy generators to switch from the FIT mechanism.

The report includes real-time prices and project information collected through interviews with multiple power companies to provide buyers and sellers with transparent price comparisons and competitor analysis services.

With 31 big Taiwanese companies joining the RE100 initiative, the demand for non-nuclear renewable energy is rapidly increasing, Minister of Economic Affairs Wang Mei-hua () said at a virtual forum on Tuesday.

The 31 companies, including major chipmakers such as Taiwan Semiconductor Manufacturing Co () and United Microelectronics Corp (), have a combined revenue of about NT\$5.8 trillion (US\$178.8 billion), Wang said in her speech about renewable energy development in Taiwan.

Taiwan is estimated to generate about 35.6 billion kilowatt-hours of renewable energy this year, while enterprise demand, based on a ministry survey, is about 22.1 billion kilowatt-hours, which shows that the supply of renewable energy is sufficient to meet demand, she said.

Rebutting criticism of the government's policy of zero nuclear power by 2025, Wang said that diversifying the sources of energy by increasing non-nuclear renewable energy should not be seen as a cause of possible future power shortages.

The minister's remarks came amid demands by some companies or groups that the lifespan of the Guosheng and Ma-anshan nuclear power plants in New Taipei City's Wanli District () and Pingtung County's Hengchun Township () be extended.

Tung Tzu-hsien (), chairman of contract electronics maker Pegatron Corp (), said in an interview on Monday that non-nuclear renewable energy would not be sufficient for the world to reach net zero emissions by 2050.

By importing a new kind of nuclear power plant designed by Finland called OL3 and extending the service of the Guosheng and Ma-anshan nuclear power plants, Taiwan could immediately raise its non-carbon-emitting power to about 50 percent of its energy mix from the current 16 percent, he said.

Tung's comments have raised particular attention as he is vice chairman of the New Frontier Foundation, a Democratic Progressive Party (DPP)-affiliated think tank.

Under the current administration of President Tsai Ing-wen (), Taiwan decommissioned two of its three nuclear power plants, and two reactors at the still operational Ma-anshan nuclear power plant are expected to be shut down in July this year and May next year.

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