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ENERGY

# Bill Gates' Terrapower permitted to unleash 345 MW sodium-cooled nuclear reactor

TerraPower claims that its Natrium technology is one of the fastest and lowest-cost paths to advanced, zero-carbon energy.

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**Abhishek Bhardwaj**

a month ago

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TerraPower's Natrium reactor and energy storage system.

Terrapower

**B**ill Gates-backed nuclear energy firm Terrapower announced that it has received approval from the Wyoming Industrial Siting Council (ISC) on its permit for the first Natrium plant, Kemmerer Power Station Unit 1.

The approval will allow for the construction of non-nuclear facilities – including the energy island portion that houses the molten-salt energy storage tanks and turbines – of the Natrium plant.

The Natrium technology features an advanced nuclear design with a 345 MW sodium-cooled fast reactor with a gigawatt-scale molten salt-based energy storage system.

The energy storage capability allows the plant to integrate seamlessly with renewable resources and an overall increase in grid resiliency.

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