



FTMRS SOLAR

# New Energy Small Site





## Overview

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Will Google buy a nuclear power plant in Tennessee?

The Tennessee reactor is the first to be deployed as part of Google's corporate agreement, announced last year, to buy nuclear energy from multiple small modular reactors. The deal would support 500 megawatts of advanced nuclear capacity, which is enough to power about 350,000 homes, to be developed by California-based nuclear company Kairos.

How many small modular reactors will X-energy build?

The online shopping and web services giant, together with Washington state utility Energy Northwest and technology developer X-energy aim to build up to 12 small modular reactors (SMRs) near Energy Northwest's Columbia Generating Station.

Where will Google's new nuclear power plant be built?

The 50-megawatt small modular nuclear power plant will be built in Oak Ridge, Tennessee, under a long-term power purchase agreement with utility Tennessee Valley Authority, to deliver electricity to Google data centers locally and in the state of Alabama. **KEY QUOTE.**

Are small modular reactors the future of nuclear energy?

Small Modular Reactors offer a significant step forward in nuclear technology, providing a path to cleaner energy for a wide range of applications. There are still some hurdles to clear before SMRs are widely implemented. The industry is hard at work on ensuring cost-competitiveness, clarifying regulatory pathways and improving waste management.



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Google Announces Tennessee as Site for ...

Aug 18, 2025 · The Tennessee reactor is the first to be deployed as part of Google's corporate agreement, announced last year, to buy nuclear ...

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The Future of Energy: How Small Modular Reactors Are ...

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How small modular reactors work and why they matter in AI energy ...

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Amazon updates SMR progress, with new images of ...

Oct 16, 2025 · Amazon has released a series of images of how its planned X-energy small modular reactor plant - to be named the Cascade Advanced Energy Facility - will look as it ...

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The Future of Energy: How Small Modular ...

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Microreactor startup Antares raises \$96M for land, sea

Dec 3, 2025 · Antares is designing and building small modular reactors that it plans to deploy for commercial, space, and defense applications.

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The Power of Small: An Introduction to Small ...

Jun 16, 2025 · The world is looking for cleaner, more reliable ways to power our lives, and one exciting technology is stepping into the spotlight: Small ...

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Small Modular Reactors: Redefining Global ...

Feb 5, 2025 · Small Modular Reactors (SMRs) offer a transformative solution for achieving global energy security, supporting the growing demands of ...

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Small modular reactors (SMR) , IAEA

Jul 7, 2024 · Small and medium-sized or modular reactors are an option to fulfil the need for flexible power generation for a wider range of users and applications. Small modular reactors, ...

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