

# Google Invests in Fusion Energy with Power Purchase Agreement from Commonwealth Fusion Systems

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**Google has announced a significant stride in its clean energy strategy, entering into a power purchase agreement with Commonwealth Fusion Systems (CFS), an MIT spin-off, to secure 200 megawatts of electricity from a planned grid-scale nuclear fusion plant in Virginia. This marks Google's first commercial fusion energy purchase, underscoring the tech giant's commitment to sourcing innovative power solutions for its energy-intensive data centers, particularly those supporting generative AI services.**

The agreement, financial terms of which were not disclosed, focuses on CFS's ARC project in Chesterfield County, Virginia. This facility, with a planned total capacity of 400 MW, is strategically located near a major cluster of data centers. While acknowledging the "serious physics and engineering challenges" involved in bringing fusion to commercial viability, Michael Terrell, Google's head of advanced energy, described the investment as a "longer-term bet" on a technology with transformative potential.

Google has been an investor in CFS since 2021, expanding its commitment with this new power purchase deal. CFS's approach to fusion involves using powerful magnets to initiate nuclear fusion, a technology that researchers have pursued for decades as a carbon-free energy source. The ARC plant is slated to come online in the early 2030s.

This move by Google highlights a broader industry trend among tech companies exploring diverse energy sources to meet the escalating power demands of advanced AI. While some firms, like Meta Platforms, have recently turned to conventional nuclear energy, Google's investment in fusion signals a long-term

vision for sustainable, carbon-free power.