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In addition to its focused Funding Opportunity Announcements (FOAs), which are targeted at specific technical areas, ARPA-E issues periodic OPEN FOAs, approximately every three years. ARPA-E uses Open FOAs to identify high-potential projects that address the full range of energy-related technologies, including areas that are outside of the current portfolio.

Applicants & Reviewers, please begin logging in via the Enhanced Identity Proofing login button (first orange button within the login page). The current login.gov sign in method will no longer be available after Jan 1st, 2025.

Login.gov or ID.me may require some users to go through a validation process that can take up to 10 days. To avoid any issues with upcoming deadlines, please begin the process for updating your account today.

This FOA marks the sixth OPEN solicitation in the history of ARPA-E. Since the Agency's inception in 2009, the three-year periodic cycle of ARPA-E OPEN programs have served as an opportunity to advance transformative energy breakthroughs in critical areas that fall outside the scope of its technology-focused programs. The energy transition towards net-zero by 2050 demands an unprecedented level of innovation. Vision OPEN 2024 challenges the research community to develop groundbreaking technologies to enable a future energy landscape that is dramatically different.

These goals will enable a novel and robust global energy system that responsibly meets the needs and aspirations of future generations. Achieving these three goals by 2050 will necessitate development and deployment of disruptive and ambitious technologies at an unparalleled speed and scale.

The Seeding Critical Advances for Leading Energy technologies with Untapped Potential (SCALEUP) Ready Notice of Funding Opportunity (NOFO) provides a vital mechanism for the support of innovative energy R& D that complements ARPA-E''s primary R& D focus on early-stage transformational energy technologies that still require proof-of-concept.

The objective of SCALEUP Ready is to support the scaling of high-risk and potentially disruptive new technologies across the full spectrum of energy applications. This NOFO focuses only on scale-up and pre-pilot projects of promising technologies that ARPA-E has previously funded - following highly competitive selection processes - and for which the scale-up award would substantially build upon innovations achieved under the original ARPA-E award.

The Inspiring Generations of New Innovators to Impact Technologies in Energy (IGNIITE) 2025 program is

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designed to support a new cohort of early-career innovators to develop the most disruptive and unconventional ideas into transformative new technologies across the full spectrum of energy applications. This announcement is purposefully broad in technical scope, but eligibility is limited to early-career researchers. In addition to research efforts, awardees will engage with ARPA-E and fellow awardees through dedicated IGNIITE events, meetings, and mentorship activities.

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