



THE ADVANCED RESEARCH PROJECTS AGENCY-ENERGY

OVERVIEW

ABOUT ARPA-E

The U.S. Department of Energy Advanced Research Projects Agency-Energy (ARPA-E) advances high-potential, high-impact energy technologies that are too early for private-sector investment. ARPA-E takes a portfolio approach, funding a variety of technologies across a range of technical areas.

As a funding and technology agency, ARPA-E supports transformational and disruptive technologies that lead to new learning curves and create new markets. These innovative ideas come from academia, private industry, national laboratories, start-ups, and small businesses.

[Find out the latest ARPA-E news:](#)



ARPA-E IMPACT

Since 2009, ARPA-E has provided \$3.68 billion dollars in R&D funding for over 1,500 projects. Through that time, there have been 150 new companies formed, 323 licenses reported, 1,073 patents issued and \$11.8 billion dollars raised in private-sector, follow-on funding. This additional government and private-sector funding has led to many ARPA-E technologies making technical breakthroughs that were once considered moonshots.

[Learn more about ARPA-E impact:](#)



ARPA-E'S UNIQUE PROCESS

ARPA-E's streamlined awards process enables it to act quickly to support technologies in cutting-edge technical areas. Awardees receive funding over a defined period of time and have established metrics and milestones to achieve. ARPA-E Program Directors actively manage projects, providing research review and offering solution-driven feedback to guide ideas from inception to proof-of-concept.

Successful projects are positioned so partners are likely to commit to the next stage of development once the ARPA-E funding period is over. ARPA-E Tech-to-Market Advisors help project teams advance early-stage technologies toward market with results-oriented handoff strategies.

[Review pre- and post-award project guidance:](#)



SCALEUP

ARPA-E's SCALEUP program helps past ARPA-E awardees "scale up" promising technologies by providing a path to market here in the United States. SCALEUP's goal is to enable these technologies to transition from proof-of-concept prototypes to commercially scalable tech and to be sufficiently de-risked for the private sector to invest. SCALEUP has successfully demonstrated what can happen when technical experts are empowered with the commercialization support to develop a strong pathway to market.

[Learn more about SCALEUP:](#)



CONTACT US

Members of the public, including news media, may contact ARPA-E by reaching out to:

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Learn more:
www.arpa-e.energy.gov

ARPA-E LEADERSHIP



Dr. Evelyn N. Wang was sworn in as Director of ARPA-E on January 9th, 2023. Dr. Wang served as Head of the Mechanical Engineering Department at the Massachusetts Institute of Technology (MIT) and the Ford Professor of Engineering. Her research

combines heat and mass transport processes with nanoengineered materials to create innovative solutions for clean energy and water. She is a leading researcher in phase-change heat transfer, which she has applied to thermal management of electronics, thermal batteries, solar thermal energy conversion, water harvesting, and desalination devices. She served as Associate Director of the MIT Solid-State Solar-Thermal Energy Conversion Center, a DOE Energy Frontiers Research Center.



Dr. Daniel Cunningham is the Deputy Director for Technology at the Advanced Research Projects Agency – Energy (ARPA-E). Dr. Cunningham was previously the Acting Deputy Director for Commercialization. Cunningham most recently worked at BP Group

Technology in the Chief Scientist's Office evaluating emerging energy technologies such as energy storage and alternative fuels pathways and assessing their impact on future business. Prior to this role, Cunningham spent much of his career at BP Solar Inc., serving in multiple capacities, including Director of Product Development leading a multidisciplinary team to develop new technologies for BP Solar's product line. Cunningham has extensive experience in semiconductor crystal growth and processing including PV module packaging and product reliability.



Shane Kosinski serves as the Deputy Director for Operations for the Advanced Research Projects Agency-Energy (ARPA-E), responsible for oversight and operations of the mission of ARPA-E as well as all ARPA-E programs. In this role, Kosinski develops flexible management processes to

create visibility for the clear oversight of more than 300 active research projects. As Head of Contracting Authority (HCA) for ARPA-E, Kosinski established and staffed a new independent procurement office completely internal to ARPA-E. As the first employee of ARPA-E and the Acting Deputy Director, Kosinski led ARPA-E's first Funding Opportunity Announcement (FOA), which provided \$150M to 37 transformational energy projects that could one day change the way the U.S. produces and uses energy.



Jonathan Glass serves as the Acting Deputy Director for Commercialization at the Advanced Research Projects Agency – Energy (ARPA-E). He brings over twenty years of executive experience in business development, venture capital, technology

commercialization, new business creation and IP licensing. From 1998 to 2014, Jon served in multiple executive roles at General Electric. He was the business development leader at GE Licensing, a managing director at GE Equity, and a managing director at GE Capital's commercial lending business. After GE, Jon co-founded two technology start-up companies, Wise Labs and Vener8 Technologies, where he led strategic partnership, product development and revenue generation activities. Most recently, Jon was the Director of Venture Accelerations at National Grid Partners, where he oversaw the NextGrid Alliance.

2024 ARPA-E ENERGY INNOVATION SUMMIT

On May 22-24, 2024, ARPA-E will host the 2024 ARPA-E Energy Innovation Summit at the Gaylord Texan in Dallas, Texas. This unique event assembles the nation's top energy innovators, investors, and entrepreneurs to discuss challenges and opportunities in the energy space and move technologies toward commercialization. The Technology Showcase is a fan favorite aspect of the Summit. This year's Showcase will feature more than 400 exhibitors displaying the nation's most innovative, next-generation energy technologies. Summit attendees have the opportunity to check out potentially groundbreaking technologies and speak with the ARPA-E awardees, vetted technology companies, and government agencies developing them.

[Learn more about Summit and register to attend.](#)

