



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 \$3.84 billion dollars in R&D funding for over 1,590 projects. Through that time, there have been 157 new companies formed, 412 licenses reported, 1,166 patents issued and \$12.6 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:
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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 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 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 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.

ARPA-E ENERGY INNOVATION SUMMIT

ABOUT:

The ARPA-E Energy Innovation Summit is an annual conference and technology showcase that brings together experts from different technical disciplines and professional communities to think about America's energy challenges in new and innovative ways. The Summit offers a unique, three-day program aimed at moving transformational energy technologies out of the lab and into the market.

[Learn more about the Summit.](#)

