

U.S. Department of Energy

Advanced Research Projects Agency-Energy

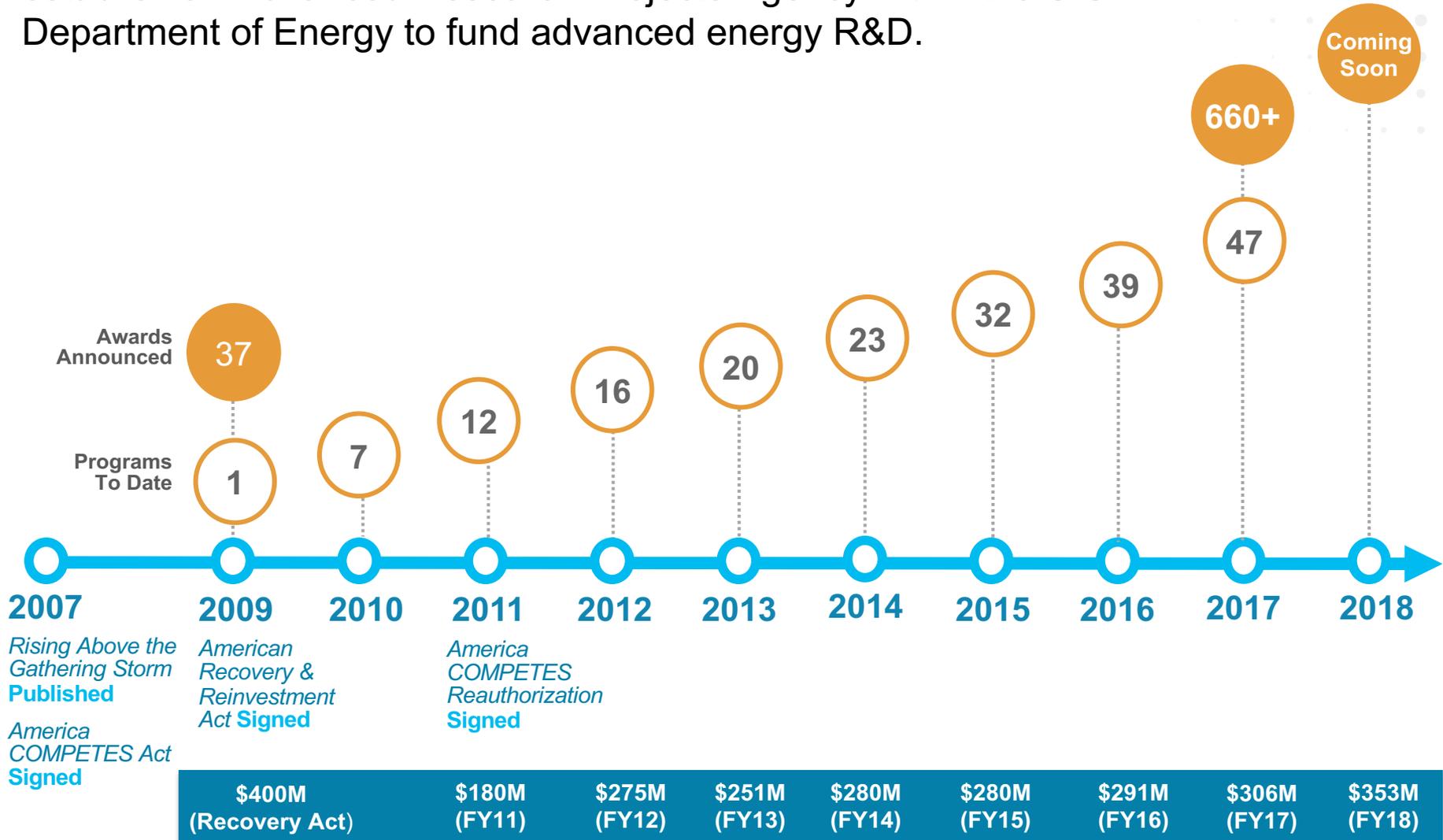
Jennifer Gerbi
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May 14, 2019

www.arpa-e.energy.gov



ARPA-E History – we are young

In 2007, The National Academies recommended Congress establish an Advanced Research Projects Agency within the U.S. Department of Energy to fund advanced energy R&D.



ARPA-E Mission

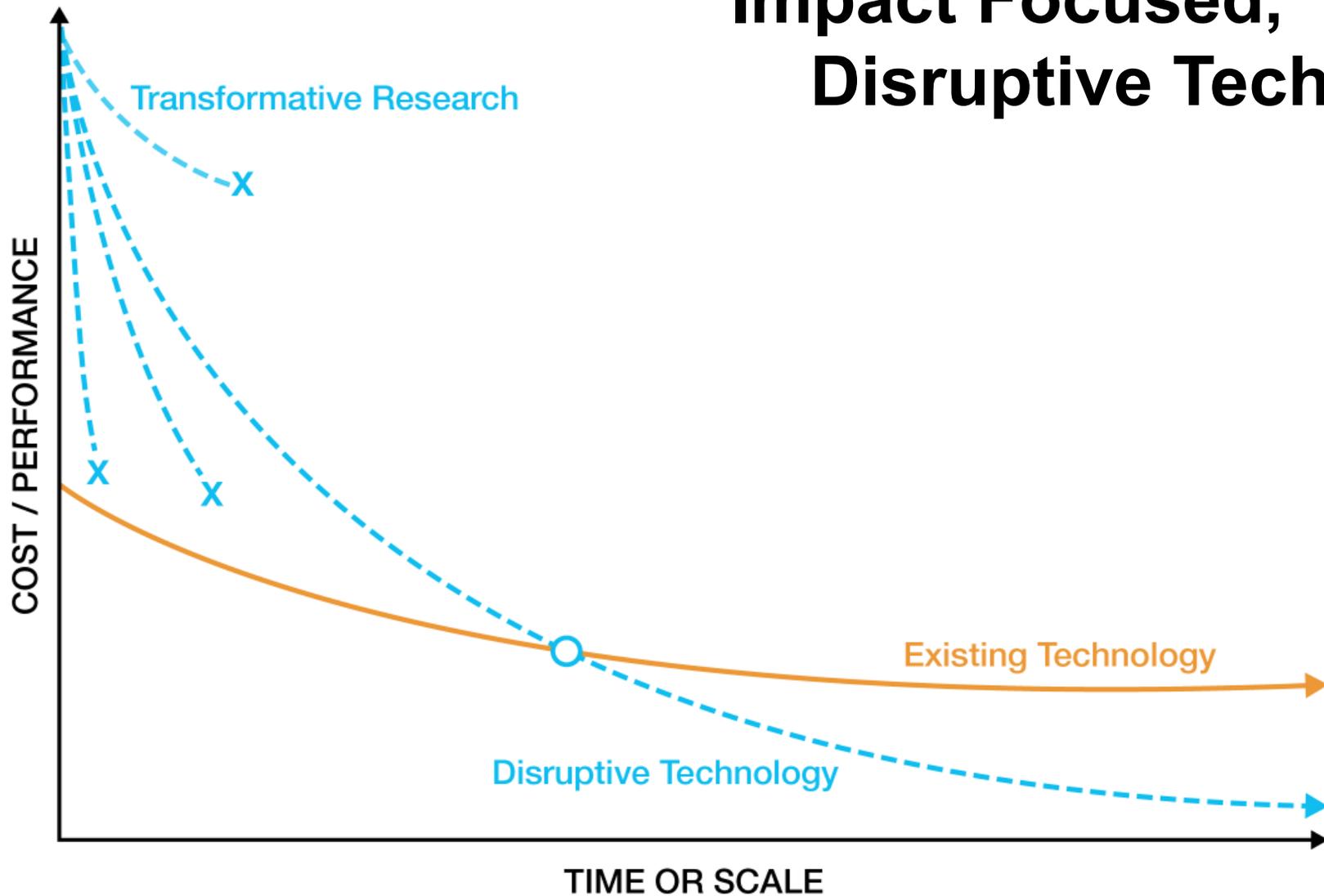
Mission:

Overcome long-term and high-risk technological barriers
in the development of energy technologies

←  **Ensure U.S. Technological Lead & U.S. Economic and Energy Security** →



Solution Driven, Impact Focused, Disruptive Tech

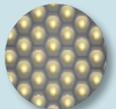
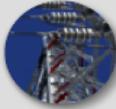


ARPA-E – we'll do anything *(almost)*

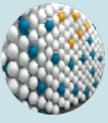
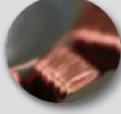
Active

Alumni

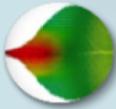
ELECTRICITY GENERATION & DELIVERY

 INTEGRATE	 GRID DATA	 IONICS
 GENSETS	 NODES	 MOSAIC
 ALPHA	 FOCUS	 CHARGES
 REBELS	 GRIDS	 GENI
 HEATS	 SOLAR ADEPT	 IMPACCT

EFFICIENCY

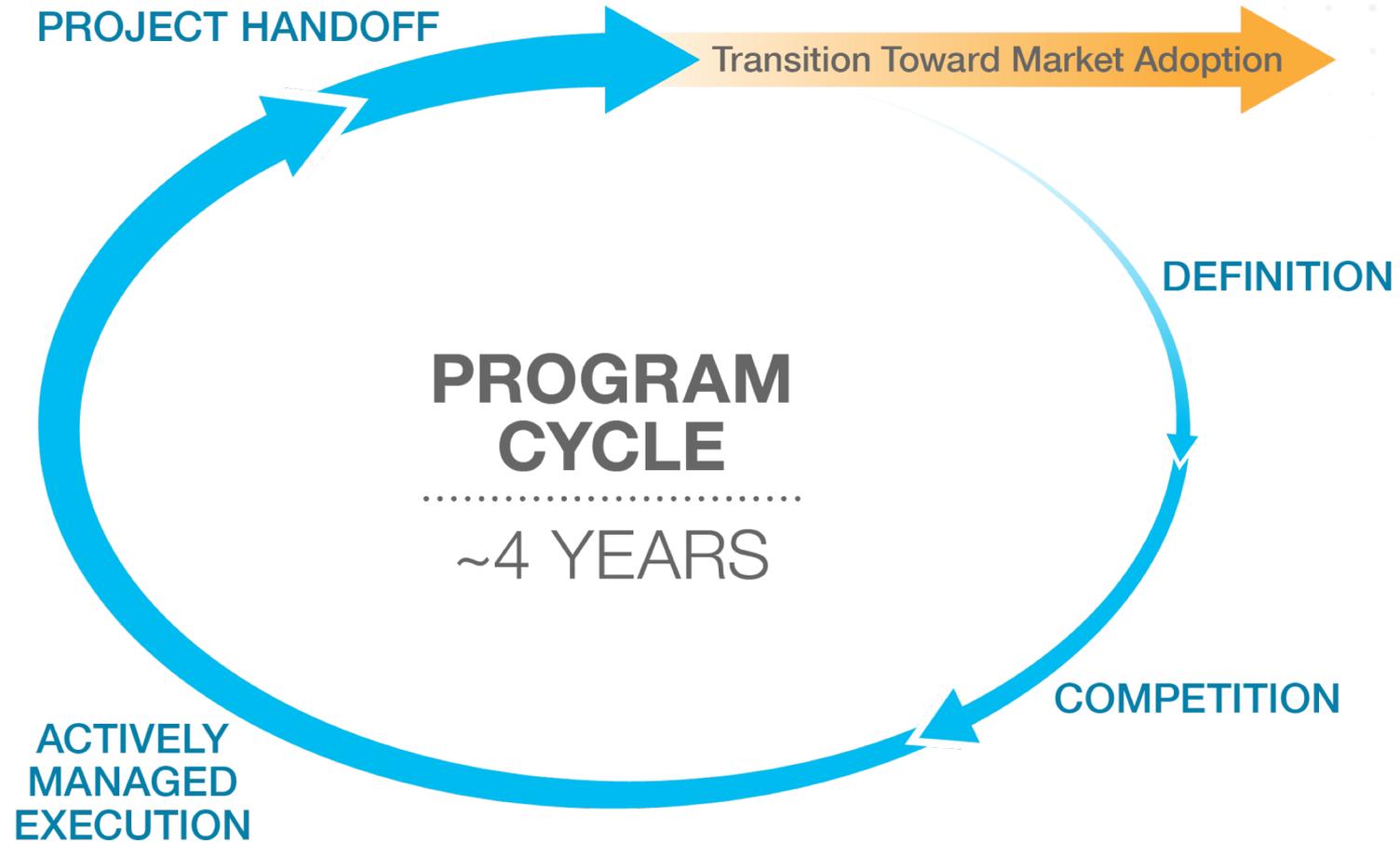
 SENSOR	 CIRCUITS	 PNDIODES
 ENLITENED	 SHIELD	 ROOTS
 MONITOR	 ARID	 DELTA
 SWITCHES	 METALS	
 BEETIT	 REACT	 ADEPT

TRANSPORTATION

 MARINER	 REFUEL	
 NEXTCAR	 TRANSNET	
 TERRA	 RANGE	 REMOTE
 MOVE	 PETRO	
 ELECTROFUELS	 AMPED	 BEEST

OPEN 2009, 2012, 2015 & 2018 Solicitations
Complement Focused Programs

Technology Acceleration Model



ARPA-E Impact Indicators

Since 2009
ARPA-E has
provided

\$1.8 billion

in R&D funding to
more than **660 projects**



136 Projects have
attracted more than

\$2.6 billion

in private-sector follow-on funding



71 projects

have formed
**new
companies**



109 projects

have **partnered**
with other
government
agencies
to further
development



1,634

peer-reviewed
journal articles
from ARPA-E
projects



248 patents

issued by U.S.
Patent and
Trademark Office



ARPA-E Recruitment Opportunities



Want to work at ARPA-E? There may be a role for you!

Program Director

- ✓ Program development
- ✓ Active project management
- ✓ Thought leadership
- ✓ Explore new technical areas

Technology-to-Market Advisor

- ✓ Business development
- ✓ Technical marketing
- ✓ Techno-economic analyses
- ✓ Stakeholder outreach

PhD Fellow

- ✓ Independent energy technology development
- ✓ Program Director support
- ✓ Organizational support

If you are interested in applying or learning more, please email arpa-e-jobs@hq.doe.gov.



U.S. DEPARTMENT OF
ENERGY

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