

**Advanced
Research Projects
Agency-Energy**

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**Advanced Research Projects Agency - Energy
(\$K)**

FY 2017 Enacted	FY 2018 Enacted Annualized CR*	FY 2019 Request
305,245	303,172	0

*A full-year 2018 appropriation for this account was not enacted at the time the budget was prepared; therefore, the budget assumes this account is operating under the Continuing Appropriations Act, 2018 (Division D of P.L. 115-56, as amended). The amounts included for 2018 reflect the annualized level provided by the continuing resolution. (These amounts are shown only at the Congressional control level and above; below that level, a dash (—) is shown).

The U.S. Department of Energy's Advanced Research Projects Agency-Energy (ARPA-E) was established by the America COMPETES Act of 2007 (Public Law 110-69), as amended. ARPA-E will wind down operations in FY 2018 with the expectation that it will shut down in FY 2019, with remaining monitoring and contract closeout activities transferred elsewhere within DOE.

Public Law Authorizations

- P.L. 95-91, "Department of Energy Organization Act" (1977)
- P.L. 109-58, "Energy Policy Act of 2005"
- P.L. 110-69, "America COMPETES Act of 2007"
- P.L. 111-358, "America COMPETES Reauthorization Act of 2010"

Overview

As defined by its authorization under the America COMPETES Act, the Advanced Research Projects Agency-Energy (ARPA-E) catalyzes transformational energy technologies to enhance the economic and energy security of the United States. ARPA-E funds high-potential, high-impact energy projects that are too early for private sector investment but could significantly advance the ways we generate, store, distribute and use energy. ARPA-E plays a unique role in DOE's research and development R&D organization, complementing and expanding the impact of DOE's basic science and applied energy programs.

As of February 2018, ARPA-E has funded over 650 projects with approximately \$1.8 billion through 44 focused programs and open funding solicitations.

Highlights and Major Changes in the FY 2019 Budget Request

Under the Budget Request for FY 2019, ARPA-E requests no additional appropriation and will execute the multi-year termination of the program as described in the FY 2018 President's Budget Request. ARPA-E will utilize reprogrammed carryover to actively manage its \$439 million¹ portfolio of forward-funded projects. ARPA-E will not invest in new R&D technologies in FY 2019 and as such will not make additional Small Business Innovation Research / Small Business Technology Transfer (SBIR/STTR) program investments.

¹ "ARPA-E Projects" uncosted balance as of the December 2017

**Advanced Research Projects Agency -
Energy Funding by Congressional Control
(\$K)**

	FY 2017 Enacted	FY 2018 Enacted Annualized CR*	FY 2019 Request	FY 2019 Request vs FY 2017 Enacted
ARPA-E Projects	276,750	274,871	0	-276,480
Program Direction	29,250	29,051	0	-29,520
Subtotal, Advanced Research Projects Agency - Energy	306,000	303,922	0	-306,000
Use of Prior Year Reprogrammed Funds	-755	-750	0	-755
Total, Advanced Research Projects Agency - Energy	305,245	303,172	0	-305.245
 Federal FTEs	 56	 56	 0	 -56

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**ARPA-E Projects
Funding
(\$K)**

	FY 2017 Enacted	FY 2018 Enacted Annualized CR*	FY 2019 Request	FY 2019 Request vs FY 2017 Enacted
ARPA-E Projects:				
Transportation Systems	138,375	137,435	0	-138,375
Stationary Power Systems	138,375	137,435	0	-138,375
Total, ARPA-E Projects	276,750	274,871	0	-276,750

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SBIR/STTR

- FY 2017 Current: \$9,214 total (SBIR \$8,251 / STTR \$963)
- FY 2018 Projected: \$0 total (SBIR \$0 / STTR \$0)
- FY 2019 Request: \$0 total (SBIR \$0 / STTR \$0)

ARPA-E Projects
Explanation of Major Changes (\$K)

FY 2019 Request vs FY 2017 Enacted

Transportation Systems: The Transportation Systems request for FY 2018 is a \$104,700 decrease over the FY 2016 enacted level to execute the termination of the program.	-138,375
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Stationary Power Systems: The Stationary Power Systems request for FY 2018 is a \$157,050 decrease over the FY 2016 enacted level to execute the termination of the program.	-138,375
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Total, ARPA-E Projects	-276,750
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**ARPA-E
Advanced Research Projects Agency - Energy
Performance Measures**

In accordance with the GPRA Modernization Act of 2010, the Department sets targets for, and tracks progress toward, achieving performance goals for each program.

	FY 2017	FY 2018	FY 2019
Performance Goal (Measure)	Award Funding - Cumulative percentage of award funding committed 45 days after award selections are announced		
Target	≥ 70 %	N/A	N/A
Result	Met - 100	N/A	N/A
Endpoint Target	On an ongoing basis, annually commit ≥70% of award funding within 45 days of announcement of award selections.		
Comment	ARPA-E is proposed for elimination in the FY 2018 Budget.		
Performance Goal (Measure)	New Company Formation - Number of new companies formed as a direct result of ARPA-E funding. This is a new performance measure for ARPA-E in FY 2015. As of the end of FY 2013 ARPA-E funded research has led to the formation of at least 24 new companies. That is the baseline from which we would expect to add at least 3 new companies per year.		
Target	≥ 3 new companies founded	N/A	N/A
Result	Met	N/A	N/A
Endpoint Target	On an ongoing basis, ARPA-E funding will support the formation of ≥ 3 new companies each year.		
Comment	ARPA-E is proposed for elimination in the FY 2018 Budget.		

Department of Energy
FY 2019 Congressional Budget
Funding by Appropriation by Site
(\$K)

Advanced Researched Projects Agency-Energy	FY 2017 Enacted	FY 2018 Annualized CR	FY 2019 Request
Washington Headquarters			
Advanced Researched Projects Agency-Energy			
Projects	276,750	274,871	0
Program Direction	29,250	29,051	0
Total, Advanced Researched Projects Agency-Energy	306,000	303,922	0
Total, Washington Headquarters	306,000	303,922	0
Total, Advanced Researched Projects Agency-Energy	306,000	303,922	0

