

TABLE 10

Federal budget authority for Energy (270) R&D and R&D plant: FYs 2017–19

(Millions of dollars and percent change)

Budget function and agency	2017 actual	2018 preliminary ^a	2019 proposed ^b	2017–18 (% change)	2018–19 (% change)
R&D and R&D plant	3,544	3,508	2,027	-1.0	-42.2
Department of Energy (271)	3,472	3,440	1,940	-0.9	-43.6
Energy programs	3,151	3,130	1,925	-0.7	-38.5
Energy efficiency and renewable energy ^{c,d}	1,487	1,492	650	0.3	-56.5
Electricity delivery and energy reliability ^{c,e}	150	144	na	-4.1	na
Fossil energy ^{c,f}	623	619	436	-0.7	-29.6
Nuclear energy ^c	891	875	754	-1.8	-13.8
Electricity delivery ^e	na	na	53	na	na
Cybersecurity, Energy Security, and Emergency Response ^e	na	na	33	na	na
Advanced Research Projects Agency-Energy (ARPA-E) ^g	306	295	0	-3.6	-100.0
Bonneville Power Administration Fund	15	15	15	0.0	0.0
Nuclear Regulatory Commission (276)	56	55	74	-1.8	34.5
Tennessee Valley Authority (271)	13	13	13	0.0	0.0
Department of Agriculture (271)					
National Institute of Food and Agriculture: Biomass R&D ^h	3	0	0	-100.0	--
R&D	3,519	3,483	2,008	-1.0	-42.3
Department of Energy (271)	3,447	3,415	1,921	-0.9	-43.7
Energy programs	3,126	3,105	1,906	-0.7	-38.6
Energy efficiency and renewable energy ^{c,d}	1,483	1,488	646	0.3	-56.6
Electricity delivery and energy reliability ^{c,e}	150	144	na	-4.1	
Fossil energy ^{c,f}	602	598	421	-0.7	-29.6
Nuclear energy ^c	891	875	754	-1.8	-13.8
Electricity delivery ^e	na	na	53	na	na
Cybersecurity, Energy Security, and Emergency Response ^e	na	na	33	na	na
Advanced Research Projects Agency-Energy (ARPA-E) ^g	306	295	0	-3.6	-100.0
Bonneville Power Administration Fund	15	15	15	0.0	0.0
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na = not applicable.

^a The FY 2018 data are official estimates reflecting continuing resolution funding for FY 2018 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2018, signed 23 March 2018). Most federal agencies did not prepare R&D estimates for FY 2018 based on the final spending figures in the omnibus.

^b Along with the regular budget request, the Administration issued an addendum adding \$75 billion to the total of nondefense spending in FY 2019, distributed among several agencies (but not all for increased R&D spending). The additional sums for R&D are reflected in the data above.

^c While not reflected in the data displayed above, these programs received FY 2018 omnibus increases of at least 8%.

^d The Office of Energy Efficiency and Renewable Energy received an additional \$120 million in discretionary spending in the Administration's addendum to the FY 2019 request. The FY 2019 data above do reflect this additional funding.

^e The Administration has proposed splitting the Office of Electricity Delivery and Energy Reliability into two entities in FY 2019: the Office of Electricity Delivery, and the Office of Cybersecurity, Energy Security, and Emergency Response.

^f The Office of Fossil Energy R&D received an additional \$200 million in discretionary spending in the Administration's addendum to the FY 2019 request. The FY 2019 data above do reflect this additional funding.

^g While not reflected in the data displayed above, ARPA-E received an FY 2018 omnibus increase of approximately 15%.

^h The Biomass R&D program is a mandatory program last authorized in the Agricultural Act of 2014 (Farm Bill).

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(Millions of dollars and percent change)

Note(s)

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

Source(s)

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.