

TABLE 10

Federal budget authority for Energy (270) R&D and R&D plant: FYs 2019–21

(Millions of dollars and percent change)

Budget function and agency	2019 actual	2020 preliminary	2021 proposed	2019–20 (% change)	2020–21 (% change)
R&D and R&D plant	4,473	4,619	2,488	3.2	-46.1
Department of Energy (271)	4,400	4,542	2,406	3.2	-47.0
Energy programs	4,030	4,115	2,714	2.1	-34.0
Energy efficiency and renewable energy	1,871	2,054	673	9.8	-67.3
Fossil energy	681	709	721	4.1	1.6
Nuclear energy	1,294	1,161	1,084	-10.3	-6.6
Electricity delivery	136	155	174	14.2	12.4
Cybersecurity, Energy Security, and Emergency Response	49	36	63	-27.3	76.1
Advanced Research Projects Agency-Energy (ARPA-E) ^a	366	425	-311	16.1	-173.1
Bonneville Power Administration Fund	4	2	2	-50.0	0.0
Nuclear Regulatory Commission (276)	63	69	75	9.5	8.7
Tennessee Valley Authority (271)	10	8	7	-20.0	-12.5
R&D	4,433	4,477	2,123	1.0	-52.6
Department of Energy (271)	4,360	4,400	2,041	0.9	-53.6
Energy programs	3,990	3,973	2,350	-0.4	-40.8
Energy efficiency and renewable energy	1,853	2,007	638	8.3	-68.2
Fossil energy	659	680	698	3.3	2.6
Nuclear energy	1,294	1,096	822	-15.3	-25.0
Electricity delivery	136	154	130	13.4	-15.7
Cybersecurity, Energy Security, and Emergency Response	49	36	63	-27.3	76.1
Advanced Research Projects Agency-Energy (ARPA-E) ^a	366	425	-311	16.1	-173.1
Bonneville Power Administration Fund	4	2	2	-50.0	0.0
Nuclear Regulatory Commission (276)	63	69	75	9.5	8.7
Tennessee Valley Authority (271)	10	8	7	-20.0	-12.5

^a The administration has proposed zero funding for ARPA-E in FY 2021. The tabulated -\$311 million for that year reflects rescinding unobligated balances.

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.