

TABLE 11

**Federal budget authority for Natural resources and environment (300) R&D and R&D plant: FYs 2019–21**

(Millions of dollars and percent change)

Budget function and agency	2019 actual	2020 preliminary <sup>a</sup>	2021 proposed	2019–20 (% change)	2020–21 (% change)
R&D and R&D plant	2,845	2,751	1,991	-3.3	-27.6
Conservation and land management (302)	463	476	413	2.8	-13.2
Department of the Interior <sup>b</sup>	157	167	158	6.4	-5.4
Department of Agriculture	306	309	255	1.0	-17.5
Forest Service	306	309	255	1.0	-17.5
Pollution control and abatement (304)	491	494	324	0.6	-34.4
Environmental Protection Agency	490	493	319	0.6	-35.3
Oil spill response research	1	1	1	0.0	0.0
Science and technology	474	474	300	0.0	-36.7
Superfund	15	18	18	20.0	0.0
Coast Guard (DHS)	1	1	5	0.0	400.0
Recreational resources (303)	27	26	26	-3.7	0.0
National Park Service (DOI)	27	26	26	-3.7	0.0
Water resources (301)	161	145	97	-9.9	-33.1
Army Corps of Engineers (DOD)	32	30	21	-6.3	-30.0
Bureau of Reclamation (DOI)	129	115	76	-10.9	-33.9
Other natural resources (306)	1,703	1,610	1,131	-5.4	-29.8
National Oceanic and Atmospheric Administration (DOC)	1,062	950	670	-10.6	-29.4
National Environmental Satellite, Data, and Information Service	35	28	28	-19.5	-1.9
National Marine Fisheries Service	61	69	57	13.4	-16.8
National Ocean Service	109	105	49	-3.0	-53.1
National Weather Service	25	19	17	-23.1	-10.9
Office of Oceanic and Atmospheric Research	559	553	353	-1.2	-36.2
Office of Marine and Aviation Operations	273	175	166	-35.8	-5.4
Geological Survey (DOI)	640	661	461	3.2	-30.3
Land resources <sup>c</sup>	79	NA	0	--	--
Core science systems	51	87	68	69.9	-21.7
Ecosystems	157	252	127	59.8	-49.3
Energy, minerals, and environmental health	100	78	79	-21.8	1.3
Natural hazards	136	124	100	-8.7	-19.0
Water resources	117	120	86	2.9	-28.5
R&D	2,486	2,517	1,780	1.3	-29.3
Conservation and land management (302)	449	467	404	4.0	-13.5
Department of the Interior <sup>b</sup>	151	165	156	9.3	-5.5
Department of Agriculture	298	302	248	1.3	-17.9
Forest Service	298	302	248	1.3	-17.9
Pollution control and abatement (304)	490	493	319	0.6	-35.3
Environmental Protection Agency	489	492	318	0.6	-35.4
Oil spill response research	1	1	1	0.0	0.0
Science and technology	473	473	299	0.0	-36.8
Superfund	15	18	18	20.0	0.0
Coast Guard (DHS)	1	1	1	0.0	0.0
Recreational resources (303)	27	26	26	-3.7	0.0
National Park Service (DOI)	27	26	26	-3.7	0.0
Water resources (301)	161	145	97	-9.9	-33.1
Army Corps of Engineers (DOD)	32	30	21	-6.3	-30.0
Bureau of Reclamation (DOI)	129	115	76	-10.9	-33.9
Other natural resources (306)	1,359	1,386	934	2.0	-32.6

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Budget function and agency	2019 actual	2020 preliminary <sup>a</sup>	2021 proposed	2019–20 (% change)	2020–21 (% change)
National Oceanic and Atmospheric Administration (DOC)	719	725	473	0.9	-34.7
National Environmental Satellite, Data, and Information Service	35	28	28	-19.5	-1.9
National Marine Fisheries Service	61	69	57	13.4	-16.8
National Ocean Service	109	105	49	-3.0	-53.1
National Weather Service	25	19	17	-26.2	-7.2
Office of Oceanic and Atmospheric Research	489	504	322	3.2	-36.2
Office of Marine and Aviation Operations	0	0	0	--	--
Geological Survey (DOI)	640	661	461	3.2	-30.3
Land resources <sup>c</sup>	79	NA	0	--	--
Core science systems	51	87	68	69.9	-21.7
Ecosystems	157	252	127	59.8	-49.3
Energy, minerals, and environmental health	100	78	79	-21.8	1.3
Natural hazards	136	124	100	-8.7	-19.0
Water resources	117	120	86	2.9	-28.5

NA = not available.

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOI = Department of the Interior.

<sup>a</sup> Does not include any R&D funded as part of the emergency coronavirus (COVID-19) response legislation in the 2020 calendar year.<sup>b</sup> Includes Bureau of Land Management, Office of Surface Mining Reclamation and Enforcement, Fish and Wildlife Service, Bureau of Ocean Energy Management, Bureau of Safety and Environmental Enforcement, and Office of Wildland Fire.<sup>c</sup> Land Resources is recommended for elimination in the FY 2021 budget request. The R&D and R&D plant spending for FY 2020 is presented on a comparable basis, although it was enacted in the same structure as FY 2019.**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.