

TABLE 11

Federal budget authority for Natural resources and environment (300) R&D and R&D plant: FYs 2020–22

(Millions of dollars and percent change)

Budget function and agency	2020 actual	2021 preliminary	2022 proposed	2020–21 (% change)	2021–22 (% change)
R&D and R&D plant	2,879	2,899	3,830	0.7	32.1
Conservation and land management (302)	515	477	595	-7.4	24.7
Department of the Interior ^a	201	167	231	-16.9	38.3
Department of Agriculture	314	310	364	-1.3	17.4
Forest Service ^b	314	310	364	-1.3	17.4
Pollution control and abatement (304)	521	527	599	1.1	13.6
Environmental Protection Agency ^c	520	526	598	1.1	13.6
Oil spill response research	1	1	1	-1.6	1.1
Science and technology	489	494	566	1.2	14.4
Superfund	31	31	31	0.2	0.7
Coast Guard (DHS)	1	1	1	0.0	0.0
Recreational resources (303)	28	28	34	0.0	21.4
National Park Service (DOI)	28	28	34	0.0	21.4
Water resources (301)	174	163	152	-6.3	-6.7
Army Corps of Engineers (DOD)	30	30	30	0.0	0.0
Bureau of Reclamation (DOI)	144	133	122	-7.6	-8.3
Other natural resources (306)	1,641	1,704	2,451	3.8	43.8
National Oceanic and Atmospheric Administration (DOC) ^d	976	1,013	1,504	3.7	48.5
Mission Support/ Spectrum	7	15	38	112.8	153.3
National Environmental Satellite, Data, and Information Service	33	29	50	-12.4	73.9
National Marine Fisheries Service	64	64	67	-0.7	5.8
National Ocean Service	103	103	138	-0.0	34.6
National Weather Service	29	24	37	-16.3	51.6
Office of Oceanic and Atmospheric Research	579	573	757	-1.2	32.2
Office of Marine and Aviation Operations	161	206	416	27.9	102.5
Geological Survey (DOI)	665	691	947	4.0	37.0
Land resources	87	na	na	-	-
Core science systems	62	93	169	51.0	81.1
Ecosystems	171	258	356	51.2	38.1
Energy, minerals, and environmental health	101	78	121	-23.0	54.8
Natural hazards	124	128	155	3.1	20.9
Water resources	120	135	147	12.3	9.2
R&D	2,653	2,654	3,339	0.0	25.8
Conservation and land management (302)	508	470	588	-7.5	25.1
Department of the Interior ^a	199	165	229	-17.1	38.8
Department of Agriculture	309	305	359	-1.3	17.7
Forest Service ^b	309	305	359	-1.3	17.7
Pollution control and abatement (304)	518	527	595	1.8	12.9
Environmental Protection Agency ^c	517	526	594	1.8	12.9
Oil spill response research	1	1	1	-1.6	1.1
Science and technology	485	494	562	1.9	13.7
Superfund	31	31	31	0.2	0.7
Coast Guard (DHS)	1	1	1	0.0	0.0
Recreational resources (303)	28	28	34	0.0	21.4
National Park Service (DOI)	28	28	34	0.0	21.4
Water resources (301)	174	163	152	-6.3	-6.7
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Bureau of Reclamation (DOI)	144	133	122	-7.6	-8.3
Other natural resources (306)	1,425	1,465	1,970	2.8	34.4
National Oceanic and Atmospheric Administration (DOC) ^d	760	774	1,023	1.8	32.1
Mission Support/ Spectrum	0	0	0	-	-
National Environmental Satellite, Data, and Information Service	33	29	50	-12.4	73.9
National Marine Fisheries Service	64	64	67	-0.7	5.8
National Ocean Service	102	103	138	0.8	34.6
National Weather Service	29	23	36	-18.9	53.3
Office of Oceanic and Atmospheric Research	530	521	693	-1.6	33.0
Office of Marine and Aviation Operations	2	34	38	1,456.8	10.9
Geological Survey (DOI)	665	691	947	4.0	37.0
Land resources	87	na	na	-	-
Core science systems	62	93	169	51.0	81.1
Ecosystems	171	258	356	51.2	38.1
Energy, minerals, and environmental health	101	78	121	-23.0	54.8
Natural hazards	124	128	155	3.1	20.9
Water resources	120	135	147	12.3	9.2

na = not applicable.

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

^a DOI 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.^b The Forest Service received \$3 million in emergency COVID-19 funding in FY 2020, and a portion of this may have funded R&D and R&D plant.^c The Environmental Protection Agency Science & Technology account received \$2 million in emergency COVID-19 funding in FY 2020, and a portion of this may have funded R&D and R&D plant.^d The National Oceanic and Atmospheric Administration received \$20 million in emergency COVID-19 funding in FY 2020, and a portion of this may have funded R&D and R&D plant.**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.