Abandoning Science Advice

One Year in, the Trump Administration is Sidelining Science Advisory Committees

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Appendix B: Detailed Results

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Tables 1–12 show the number of meetings held by, and the number of members of, each science advisory committee under six federal agencies between 1997 and 2017: the Centers for Disease Control and Prevention, Department of Interior, Department of Energy, Department of Commerce, Environmental Protection Agency, and Food and Drug Administration. This information was obtained from the Federal Advisory Committee Act Database (www.facadatabase.gov), managed by the General Services Administration, and reflects data recorded as of December 18, 2017.

TABLE 1. Centers for Disease Control and Prevention (CDC) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advisory Committee on Immunization Practices	3	3	3	3	3	6	6	3	4	6	3	3	4	3	3	3	3	4	3	3	3
Advisory Council for the Elimination of Tuberculosis	3	2	3	3	3	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
Board of Scientific Counselors, Coordinating Office for Terrorism Preparedness and Emergency Response	-	-	-	1	-	-	1	1	-	-	-	1	2	1	2	4	2	1	1	3	1
Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry	1	-	-	-	-	-	1	1	12	15	21	2	3	2	2	2	2	2	2	3	1
Board of Scientific Counselors, National Center for Infectious Diseases	2	2	2	2	2	1	2	2	2	2	1	2	1	2	3	3	3	2	3	3	2
Board of Scientific Counselors, National Institute for Occupational Safety and Health	4	4	2	3	2	2	2	0	3	3	2	4	3	1	1	2	2	2	3	2	2
Clinical Laboratory Improvement Advisory Committee	2	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	1	2	2	1
Hospital Infection Control Practices Advisory Committee	7	2	2	2	2	3	4	5	3	3	3	3	5	5	2	3	3	3	3	3	2
Interagency Committee on Smoking and Health	0	0	0	0	2	0	7	1	1	0	2	1	1	0	1	0	1	1	1	1	1
Mine Health Research Advisory Committee	0	1	2	1	1	1	2	1	0	1	1	2	1	1	0	1	1	1	1	1	2
National Committee on Vital and Health Statistics	16	4	3	5	4	5	3	6	1	1	1	1	1	1	1	0	0	0	1	0	0

Note: Hyphens denote that a committee had not yet been established or had been disbanded, whereas a "0" means that an active committee failed to meet. Blank cells denote nonexistent data in the FACA database. Data for the Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry excludes teleconference meetings. Meetings highlighted in red mean the committees met 50% or less than what their charter directs, meetings highlighted in orange means that committees met at least 51% of what their charter directs. White cells either met or exceeded their charter-directed meeting amounts. Gray cells represent a committee that was not active for those years.

TABLE 2. Centers for Disease Control and Prevention (CDC) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advisory Committee on Immunization Practices	21	22	22	23	22	25	19	29	26	50	56	59	58	54	68	60	60	64	57	63	46
Advisory Council for the Elimination of Tuberculosis	19	21	18	19	18	18	28	20	36	39	43	46	41	48	45	45	46	45	54	55	50
Board of Scientific Counselors, Coordinating Office for Terrorism Preparedness and Emergency Response	-	-	-	-	-	-	-	-	-	-	-	19	15	16	19	20	20	16	18	21	22
Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry	-	-	-	-	-	-	-	27	26	30	20	26	20	21	21	21	20	20	25	20	20
Board of Scientific Counselors, National Center for Infectious Diseases	26	25	15	16	19	20	29	22	26	25	28	21	17	30	31	35	33	34	30	37	29
Board of Scientific Counselors, National Institute for Occupational Safety and Health	19	15	19	17	18	15	15	24	17	15	23	15	13	8	11	16	15	18	19	22	15
Clinical Laboratory Improvement Advisory Committee	28	23	33	32	23	28	31	28	27	30	30	28	25	24	25	18	28	24	28	28	23
Hospital Infection Control Practices Advisory Committee	13	12	14	12	11	10	10	23	17	33	29	29	32	38	43	38	41	43	53	57	40
Interagency Committee on Smoking and Health	28	28	21	30	30	31	27	29	26	28	28	28	28	27	29	25	23	23	26	38	28
Mine Health Research Advisory Committee	13	21	13	13	16	14	15	19	10	16	14	14	10	13	13	13	12	10	13	15	12
National Committee on Vital and Health Statistics	21	19	18	17	21	17	22	22	21	16	22	28	24	23	29	25	26	18	23	18	20

TABLE 3. Department of Interior (DOI) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advisory Committee on Climate Change and Natural Resource Science	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	2	1	0
Advisory Committee on the Bird Banding Laboratory	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-
Advisory Committee on Water Information	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	1	0	1	1	0	1
Aquatic Nuisance Species Task Force	-	-	1	1	1	1	1	1	0	1	1	1	1	1	2	1	0	1	1	0	1
Bureau of Land Management Science Advisory Board	0	2	4	3	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado River Basin Salinity Control Advisory Council	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
Earth Observing System Land Processes Distributed Active Archive Center Science Advisory Panel	2	3	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glen Canyon Dam Adaptive Management Work Group	1	2	2	9	8	7	6	12	6	6	6	7	6	6	7	7	7	3	3	3	3
Invasive Species Advisory Committee	-	-	-	4	1	2	3	2	2	3	1	2	3	2	2	2	1	1	2	2	1
Klamath Fishery Management Council	3	4	4	4	4	4	4	3	3	4	-	-	-	-	-	-	-	-	-	-	-
Klamath River Basin Fisheries Task Force	4	3	3	3	3	3	3	3	3	3	-	-	-	1	-	-	-	-	-	-	-
Lake Champlain Sea Lamprey Control Alternatives Workgroup	-	-	-	-	-	-	-	-	-	1	3	2	2	0	2	-	-	-	-	-	-
National Cooperative Geologic Mapping Program	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	0	1	1	1	0

TABLE 3. Department of Interior (DOI) Science Advisory Committee Meetings, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
National Earthquake Prediction Evaluation Council	-	-	-	-	-	-	-	-	-	-	-	1	2	1	3	2	0	1	1	1	0
National Satellite Land Remote Sensing Data Archive Advisory Committee	-	-	2	1	2	1	1	1	2	3	-	-	-	-	ı	1	-	-	-	-	-
Outer Continental Shelf Scientific Committee	-	-	-	-	-	ı	1	1	1	1	1	0	2	1	1	2	1	-	ı	ı	-
Route 66 Corridor Preservation Program Advisory Council	-	-	-	-	-	1	-	-	-	1	1	1	1	-	1	1	-	1	-	-	-
Trinity River Basin Fish and Wildlife Task Force	2	2	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Geological Survey (USGS)Climate Change Science Program (CCSP) Committee for Synthesis and Assessment Product 1.2: Past Climate Variability and Change in the Arctic and at High Latitudes	-	-	-	-	-	-	-	-	-	•	1	-	-	-	1	•	-	-	-	-	-
USGS-CCSP Committee for Synthesis and Assessment Product 3.4 Abrupt Climate Change	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-
Yakima River Basin Conservation Advisory Group	8	4	2	1	1	2	0	1	2	2	1	2	1	0	0	1	0	1	1	0	0

TABLE 4. Department of Interior (DOI) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advisory Committee on Climate Change and Natural Resource Science	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	22	11	16	-
Advisory Committee on the Bird Banding Laboratory	-	-	-	-	-	-	-	-	14	14	13	-	-	-	-	-	-	-	-	-	-
Advisory Committee on Water Information	33	33	32	34	34	29	41	30	26	28	27	26	24	24	24	24	24	26	26	25	26
Aquatic Nuisance Species Task Force	18	18	19	23	21	22	24	27	23	23	22	23	25	29	25	23	22	21	12	27	27
Bureau of Land Management Science Advisory Board	0	6	8	7	7	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado River Basin Salinity Control Advisory Council	20	20	20	20	18	18	20	20	19	19	19	19	17	19	18	19	19	20	19	20	20
Earth Observing System Land Processes Distributed Active Archive Center Science Advisory Panel	13	17	12	11	11	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-
Glen Canyon Dam Adaptive Management Work Group	25	27	24	22	24	24	23	23	25	24	23	24	22	24	21	24	22	20	22	22	48
Invasive Species Advisory Committee	-	-	-	32	32	30	28	38	37	31	41	31	23	30	29	29	44	31	31	40	12
Klamath Fishery Management Council	11	11	11	11	11	11	11	11	10	10	-	-	-	-	-	-	-	-	-	-	-
Klamath River Basin Fisheries Task Force	16	16	16	16	16	15	15	15	14	14	-	-	-	-	-	-	-	-	-	-	-
Lake Champlain Sea Lamprey Control Alternatives Workgroup	-	-	-	-	-	-	-	-	-	18	16	18	18	17	16	16	-	-	-	-	-
National Cooperative Geologic Mapping Program	16	10	10	10	10	9	9	6	8	8	8	6	7	11	10	12	10	7	8	6	

TABLE 4. Department of Interior (DOI) Science Advisory Committee Membership, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
National Earthquake Prediction Evaluation Council	-	-	-	-	-	-	-	-	-	-	-	12	12	11	9	12	12	12	12	10	10
National Satellite Land Remote Sensing Data Archive Advisory Committee	-	17	17	17	16	18	18	16	17	17	-	-	-	-	-	-	1	-	-	-	-
Outer Continental Shelf Scientific Committee	-	-	-	-	-	-	-	17	17	21	18	20	18	18	16	17	16	16	16	-	-
Route 66 Corridor Preservation Program Advisory Council	-	-	-	-	-	-	-	-	15	15	15	15	15	-	-	-	-	-	-	-	-
Trinity River Basin Fish and Wildlife Task Force	16	19	19	19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Geological Survey (USGS)Climate Change Science Program (CCSP) Committee for Synthesis and Assessment Product 1.2: Past Climate Variability and Change in the Arctic and at High Latitudes	-	-	-	-	-	-	-	-	-	-	4	4	4	-	-	-	-	-	-	-	-
USGS-CCSP Committee for Synthesis and Assessment Product 3.4 Abrupt Climate Change	-	-	-	-	-	-	-	-	-	-	11	11	11	-	-	-	-	-	-	-	-
Yakima River Basin Conservation Advisory Group	6	6	6	6	6	6	5	5	5	6	2	6	7	7	6	6	6	6	6	6	

Note: All data from 2017 came from DOI websites or directly from the Designated Federal Official for each active advisory committee. Hyphens denote that a committee had not yet been established or had been disbanded. Blank cells denote nonexistent data in the FACA database and no response from a DOI official.

TABLE 5. Department of Energy (DOE) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advanced Scientific Computing Advisory Committee	-	-	-	0	2	2	1	1	0	2	3	3	3	3	4	3	3	5	3	3	3
Advisory Committee on Appliance Energy Efficiency Standards	2	2	2	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-
American Statistical Association Committee on Energy Statistics	2	1	2	2	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Basic Energy Sciences Advisory Committee	3	3	5	2	4	7	4	3	2	2	3	2	3	3	2	2	2	2	2	2	2
Beryllium Rule Advisory Committee	1	2	-	-	-	ı	i	ı	-	1	1	-	-	-	1	-	1	-	ı	1	-
Climate Change Science Program Development Advisory Committee	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	-
DOE/NSF Nuclear Science Advisory Committee	1	3	1	2	2	3	4	3	5	2	2	3	2	2	2	2	2	2	2	2	1
Environmental Management Site-Specific Advisory Board	95	107	102	105	98	71	74	72	73	62	53	46	60	60	62	64	60	54	58	56	42
Fusion Energy Sciences Advisory Committee	2	4	4	2	4	2	2	3	2	2	2	2	2	1	2	1	2	3	3	1	1
Health and Environmental Research Advisory Committee	1	2	2	2	2	2	2	2	2	3	2	4	2	2	2	4	4	3	2	2	3
High Energy Physics Advisory Panel	4	4	2	3	3	4	4	3	3	2	3	3	3	3	4	3	3	4	2	3	5
Hydrogen Technical Advisory Panel	2	4	2	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metal Casting Industrial Advisory Board	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 5. Department of Energy (DOE) Science Advisory Committee Meetings, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Methane Hydrate Advisory Committee	-	-	-	-	1	0	1	1	1	1	2	2	1	2	0	2	2	2	0	1	2
National Electric and Magnetic Fields Advisory Committee	2	3	1	-	-	1	1	-	-	1	,	1	1	1	1	1	-	-	-	-	-
Nonproliferation and National Security Advisory Committee	1	-	2	3	1	ı	1	i	1	ı	1	1	1	ı	ı	1	i	1	ı	ı	-
State Energy Advisory Board	3	3	3	4	3	3	3	2	2	2	3	3	3	4	3	3	3	3	7	12	1
Ultra-Deepwater Advisory Committee	ı	-	-	1	ı	ı	1	1	1	ı	2	4	5	2	3	4	3	2	ı	ı	-
Unconventional Resources Technology Advisory Committee	-	-	-	-	-	•	-	-	-	-	2	4	4	3	2	5	2	2	-	-	-

TABLE 6. Department of Energy (DOE) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Advanced Scientific Computing Advisory Committee	-	-	-	12	12	11	13	13	4	10	14	11	18	16	15	20	18	13	17	19	23
Advisory Committee on Appliance Energy Efficiency Standards	29	27	31	35	31	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Statistical Association Committee on Energy Statistics	15	16	13	15	14	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-
Basic Energy Sciences Advisory Committee	19	23	25	26	28	29	24	24	24	25	23	24	24	22	28	26	25	24	24	23	24
Beryllium Rule Advisory Committee	23	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Climate Change Science Program Development Advisory Committee	-	-	-	-	-	-	-	-	-	30	29	29	-	-	-	-	-	-	-	-	-
DOE/NSF Nuclear Science Advisory Committee	17	19	19	22	22	22	19	16	16	13	17	19	17	19	20	19	20	18	17	21	21
Environmental Management Site-Specific Advisory Board	215	206	260	231	274	218	149	179	153	191	164	188	180	193	191	193	186	185	194	191	196
Fusion Energy Sciences Advisory Committee	19	16	17	17	17	19	20	19	22	18	18	16	21	24	20	20	21	23	23	19	20
Health and Environmental Research Advisory Committee	23	25	24	24	25	23	25	25	24	24	24	25	26	31	25	30	29	25	24	30	26
High Energy Physics Advisory Panel	17	22	25	25	25	26	18	17	11	20	25	26	25	25	24	24	24	24	27	28	24
Hydrogen Technical Advisory Panel	12	12	13	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metal Casting Industrial Advisory Board	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6. Department of Energy (DOE) Science Advisory Committee Membership, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Methane Hydrate Advisory Committee	-	-	-	-	11	11	9	10	10	14	14	13	13	20	14	14	14	14	11	14	24
National Electric and Magnetic Fields Advisory Committee	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonproliferation and National Security Advisory Committee	-	-	13	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State Energy Advisory Board	25	18	21	23	20	21	17	19	22	18	20	21	19	20	19	20	21	20	17	19	13
Ultra-Deepwater Advisory Committee	-	-	-	-	-	-	-	-	-	-	19	23	14	14	14	13	12	8	-	-	-
Unconventional Resources Technology Advisory Committee	-	-	-	-	-	-	-	-	-	-	23	28	18	22	22	23	17	17	-	-	-

TABLE 7. Department of Commerce (DOC) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Census Advisory Committee of Professional Associations	3	3	5	4	3	2	2	2	1	2	3	З	2	3	2	2	2	2	2	3	3
NOAA Science Advisory Board		1	2	4	3	3	3	4	3	3	3	4	4	5	7	4	5	5	4	4	5
Sea Grant Review Panel	2	4	4	3	2	2	2	2	2	3	4	4	3	1	3	3	2	3	1	3	2

TABLE 8. Department of Commerce (DOC) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Census Advisory Committee of Professional Associations	34	38	36	36	42	39	36	31	36	36	36	31	37	30	28	24	20	22	25	20	15
NOAA Science Advisory Board		14	15	15	14	12	14	10	13	14	15	14	16	17	11	17	12	18	16	17	16
Sea Grant Review Panel	13	14	15	15	15	15	15	15	15	16	15	16	18	11	13	12	14	13	13	13	12

TABLE 9. Environmental Protection Agency (EPA) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Adaptation for Climate-Sensitive Ecosystems and Resources Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Advisory Council on Clean Air Compliance Analysis (of the Science Advisory Board)	7	3	6	2	5	0	11	7	6	3	1	2	0	2	3	0	0	0	-	-	-
Board of Scientific Counselors	7	3	1	4	3	6	3	3	5	5	5	4	6	4	3	2	0	1	6	2	4
Chemical Safety Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0
Clean Air Act Advisory Committee	15	13	26	4	2	3	3	2	3	9	5	11	2	2	5	3	2	2	2	3	1
Clean Air Scientific Advisory Committee	1	3	4	6	4	3	5	6	9	10	8	19	16	4	4	4	4	8	2	5	3
Coastal Elevations and Sea Level Rise Advisory Committee	-	-	-	-	-	-	-	-	-	-	3	2	1	-	-	-	-	-	-	-	-
Endocrine Disruptor Methods Validation Advisory Committee	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-
Endocrine Disruptor Screening and Testing Advisory Committee	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Environmental Financial Advisory Board	2	3	2	3	4	4	2	3	2	4	3	3	2	2	1	2	2	2	2	2	1
Environmental Laboratory Advisory Board	2	2	7	2	5	10	10	11	16	14	15	12	12	11	12	11	12	11	12	12	12
EPA Science Advisory Board							0	5	5	5	5	5	9	7	9	7	4	13	7	5	5
Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel	4	5	8	8	14	9	3	11	9	3	7	5	8	9	5	7	5	3	3	2	4

TABLE 9. Environmental Protection Agency (EPA) Science Advisory Committee Meetings, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Gulf of Mexico Program Policy Review Board	4	5	7	7	3	1	1	1	2	0	1	1	1	0	-	-	-	-	-	-	-
Human Impacts of Climate Change Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Human Studies Review Board	-	-	-	-	-	-	-	-	-	5	7	5	4	4	6	4	2	3	3	6	6
Industrial Combustion Coordinated Rulemaking Advisory Committee	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Non-Hazardous Waste Policy Dialogue Committee	2	2	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbial and Disinfectants/Disinfection Byproducts Advisory Committee	5	0	9	8	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Substances	4	4	4	3	4	4	4	4	4	2	3	3	2	1	-	-	-	-	-	-	-
National Drinking Water Advisory Council	7	9	16	11	8	2	5	3	2	2	2	2	3	2	2	3	1	1	2	1	1
Risk Assessment and Management Commission	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Coliform Rule Distribution System Advisory Committee	-	-	-	-	-	-	-	-	-	-	2	11	-	-	-	-	-	-	-	-	-

TABLE 10. Environmental Protection Agency (EPA) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Adaptation for Climate-Sensitive Ecosystems and Resources Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-
Advisory Council on Clean Air Compliance Analysis (of the Science Advisory Board)	18	22	10	10	13	11	29	15	14	14	14	13	13	16	14	15	14	11	6	-	-
Board of Scientific Counselors	15	13	13	15	14	18	13	12	11	15	16	15	15	14	16	16	12	20	21	18	14
Chemical Safety Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10
Clean Air Act Advisory Committee	160	162	115	90	89	87	55	54	45	48	47	47	41	41	45	45	61	43	51	38	40
Clean Air Scientific Advisory Committee	39	59	8	7	7	7	28	7	8	7	7	7	7	7	7	7	7	7	8	7	0
Coastal Elevations and Sea Level Rise Advisory Committee	-	-	-	-	-	-	-	-	-	-	15	15	15	-	-	-	-	-	-	-	-
Endocrine Disruptor Methods Validation Advisory Committee	-	-	-	-	-	-	-	-	20	20	-	-	-	-	-	-	-	-	-	-	-
Endocrine Disruptor Screening and Testing Advisory Committee	44	43	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Environmental Financial Advisory Board	26	26	26	30	26	26	27	28	28	28	30	31	28	37	39	27	23	27	31	36	32
Environmental Laboratory Advisory Board	15	15	15	13	12	10	7	15	14	23	15	20	15	15	16	16	15	15	16	11	15
EPA Science Advisory Board	307	316	99	93	94	90	90	33	36	35	38	39	44	44	47	49	52	52	48	47	44
Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel	7	7	7	265	7	7	7	7	7	7	7	7	7	7	7	11	7	7	7	7	7

TABLE 10. Environmental Protection Agency (EPA) Science Advisory Committee Membership, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Gulf of Mexico Program Policy Review Board	60	69	60	63	21	15	15	15	17	16	10	8	5	11	2	-	-	-	-	-	-
Human Impacts of Climate Change Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
Human Studies Review Board	-	-	-	-	-	-	-	-	-	16	17	19	18	16	13	19	19	14	14	11	11
Industrial Combustion Coordinated Rulemaking Advisory Committee	47	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Non-Hazardous Waste Policy Dialogue Committee	36	36	36	33	33	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbial and Disinfectants/Disinfection Byproducts Advisory Committee	12	12	21	21	21	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Substances	35	32	32	29	28	28	22	25	22	26	25	25	25	19	4	-	-	-	-	-	-
National Drinking Water Advisory Council	14	20	20	15	14	19	17	19	15	15	17	15	18	15	15	15	19	15	17	15	15
Risk Assessment and Management Commission	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Coliform Rule Distribution System Advisory Committee	-	-	-	-	-	-	-	-	-	-	16	16	15	-	-	-	-	-	-	-	-

TABLE 11. Food and Drug Administration (FDA) Science Advisory Committee Meetings, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008	5000	2010	2011	2012	2013	2014	2015	2016	2017
Oncologic Drugs Advisory Committee	3	4	5	4	5	5	5	5	4	6	4	4	6	6	7	10	3	3	4	4	5
Science Board to the Food and Drug Administration	3	1	1	1	3	2	2	2	2	2	1	3	4	2	3	2	3	2	4	2	3
Dermatologic and Ophthalmic Drugs Advisory Committee	5	4	3	4	2	1	4	4	1	0	1	2	2	0	1	2	0	0	3	1	0
Antimicrobial Drugs Advisory Committee (formerly known as the Anti-Infective Drugs Advisory Committee)	4	3	3	7	3	5	4	5	1	2	2	2	4	6	1	5	3	3	3	2	2
Cellular, Tissue, and Gene Therapies Advisory Committee	5	4	3	3	3	2	3	2	4	1	3	2	1	1	5	2	3	2	2	4	0
Food Advisory Committee	1	2	2	1	0	3	7	3	1	0	0	0	0	0	1	0	1	1	1	1	0
Technical Electronic Product Radiation Safety Standards Committee	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Arthritis Advisory Committee	4	4	4	2	3	2	3	1	2	0	2	1	3	2	2	3	3	1	0	4	1
Blood Products Advisory Committee	5	4	4	3	2	6	4	3	5	3	3	2	3	3	3	3	3	3	2	1	2
Allergenic Products Advisory Committee	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0	2	0	1	1
Anesthetic and Analgesic Drug Products Advisory Committee	3	1	1	0	0	1	1	0	0	1	1	3	4	3	2	1	1	2	3	6	5
Antiviral Drugs Advisory Committee	6	3	6	3	4	5	3	0	2	0	3	0	3	2	2	3	0	2	-	-	-
Cardiovascular and Renal Drugs Advisory Committee	3	4	3	2	3	4	2	2	2	3	3	4	6	7	4	3	2	7	2	0	0
Device Good Manufacturing Practice Advisory Committee	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Drug Safety and Risk Management Advisory Committee	3	1	1	0	0	0	0	4	2	1	0	1	1	1	0	1	3	0	1	1	6
Endocrinologic and Metabolic Drugs Advisory Committee	3	5	2	2	1	1	2	2	2	1	3	1	2	6	3	4	6	7	4	4	1
Bone, Reproductive and Urologic Drugs Advisory Committee	1	1	1	4	0	0	1	2	1	1	1	1	1	2	1	4	3	2	2	0	2
Gastrointestinal Drugs Advisory Committee	1	1	0	2	1	3	2	1	0	0	1	1	1	1	5	4	1	1	0	1	0

TABLE 11. Food and Drug Administration (FDA) Science Advisory Committee Meetings, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Pharmaceutical Science and Clinical Pharmacology Advisory Committee	1	2	2	3	5	8	8	3	3	2	2	2	2	3	3	3	1	0	0	0	1
Medical Devices Advisory Committee	28	30	24	27	23	14	13	21	17	9	14	10	17	14	14	15	16	19	9	11	4
Medical Imaging Drugs Advisory Committee	-	1	1	1	-	-	-	-	-	-	-	-	-	-	0	0	2	0	0	0	2
Nonprescription Drugs Advisory Committee	11	4	4	2	3	4	1	2	3	4	0	3	0	0	1	0	2	5	0	1	1
Peripheral and Central Nervous System Drugs Advisory Committee	2	0	1	1	2	0	1	0	1	3	0	2	3	4	3	2	1	2	0	2	1
Psychopharmacologic Drugs Advisory Committee	1	1	0	4	1	0	1	2	0	3	1	1	3	1	0	1	1	0	1	5	0
Pulmonary-Allergy Drugs Advisory Committee	3	2	0	1	1	2	2	1	2	1	1	0	2	6	2	1	4	1	4	2	0
Toxicological Research, Science Advisory Board to NCTR	1	1	1	1	1	1	1	0	0	1	0	1	0	1	1	1	1	1	1	1	1
Vaccines and Related Biological Products Advisory Committee	7	6	4	5	6	4	5	4	3	5	4	3	4	5	4	3	3	3	3	4	5
Veterinary Medicine Advisory Committee	2	1	1	0	0	2	0	1	2	1	0	0	0	2	0	0	-	-	-	-	-
National Mammography Quality Assurance Advisory Committee	2	2	2	2	1	1	1	1	1	1	0	1	0	1	0	1	0	0	0	1	0
Transmissible Spongiform Encephalopathies Advisory Committee	-	-	-	-	2	2	2	1	2	2	1	2	2	0	2	0	1	0	1	-	1
Pharmacy Compounding Advisory Committee	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	0	0	0	2	3	2
Pediatric Advisory Committee	-	-	-	-	-	-	-	3	2	4	2	4	5	3	5	3	4	2	2	2	4
Risk Communication Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	2	4	2	2	1	2
Tobacco Products Scientific Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	-	0	6	8	2	2	1	1	0	1

TABLE 12. Food and Drug Administration (FDA) Science Advisory Committee Membership, 1997–2017

	1997	1998	1999	2000	2001	2002	2003	2004	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Oncologic Drugs Advisory Committee	13	12	17	17	14	16	13	18	14	16	15	15	14	14	14	13	15	16	16	18	14
Science Board to the Food and Drug Administration	11	10	10	11	10	12	16	16	13	13	10	15	18	16	22	22	23	24	26	20	16
Dermatologic and Ophthalmic Drugs Advisory Committee	14	15	16	11	3	13	10	16	16	13	6	7	7	12	14	14	9	9	9	10	10
Antimicrobial Drugs Advisory Committee (formerly known as the Anti-Infective Drugs Advisory Committee)	15	17	15	12	13	18	15	15	13	19	13	11	18	15	15	17	17	15	18	19	14
Cellular, Tissue, and Gene Therapies Advisory Committee	15	15	12	10	12	13	11	12	15	18	14	13	11	18	14	18	15	18	17	14	15
Food Advisory Committee	19	16	16	8	7	23	25	53	54	12	12	11	13	21	21	17	21	20	21	18	11
Technical Electronic Product Radiation Safety Standards Committee	13	15	19	20	15	20	20	15	10	10	5	0	0	0	2	14	15	15	14	20	14
Arthritis Advisory Committee	11	11	11	11	10	10	7	12	10	11	12	10	12	7	7	12	6	12	12	13	12
Blood Products Advisory Committee	18	18	16	18	18	28	19	11	15	16	17	18	16	12	15	19	18	15	14	15	14
Allergenic Products Advisory Committee	9	10	9	9	8	10	10	10	11	9	8	9	8	10	11	13	12	12	10	10	9
Anesthetic and Analgesic Drug Products Advisory Committee	17	19	14	10	12	8	11	18	15	12	10	14	14	14	11	15	16	16	15	15	12
Antiviral Drugs Advisory Committee	15	11	11	17	12	9	15	15	15	17	19	18	14	19	18	18	15	18	14	-	-
Cardiovascular and Renal Drugs Advisory Committee	11	11	11	13	5	10	11	11	12	12	12	13	12	11	9	13	12	10	12	15	12
Device Good Manufacturing Practice Advisory Committee	9	9	5	8	9	9	6	2	2	0	0	0	0	2	9	9	13	11	8	9	3
Drug Safety and Risk Management Advisory Committee	12	11	10	7	3	0	14	15	14	14	14	10	11	8	15	15	18	14	13	15	12
Endocrinologic and Metabolic Drugs Advisory Committee	11	11	10	11	10	10	14	12	12	16	12	14	10	11	12	13	13	12	12	17	11
Bone, Reproductive and Urologic Drugs Advisory Committee	15	11	8	11	7	3	12	14	18	14	14	12	10	13	10	11	15	15	14	13	8
Gastrointestinal Drugs Advisory Committee	10	11	10	8	11	10	13	13	19	10	10	11	10	9	9	14	13	14	14	15	10

TABLE 12. Food and Drug Administration (FDA) Science Advisory Committee Membership, 1997–2017 (continued)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Pharmaceutical Science and Clinical Pharmacology Advisory Committee	15	13	19	12	12	15	17	16	15	13	18	17	24	25	26	29	20	16	17	22	11
Medical Devices Advisory Committee	137	143	141	169	173	164	162	174	171	167	150	161	141	167	184	175	186	178	179	171	122
Medical Imaging Drugs Advisory Committee	14	12	8	8	8	5	-	-	1	-	-	-	-	-	0	1	12	14	17	15	12
Nonprescription Drugs Advisory Committee	12	12	8	11	15	15	9	15	13	10	12	11	14	13	9	12	19	15	14	17	10
Peripheral and Central Nervous System Drugs Advisory Committee	13	11	11	11	9	9	9	12	13	12	10	13	10	14	11	9	13	14	11	15	9
Psychopharmacologic Drugs Advisory Committee	11	10	8	8	10	8	5	16	12	11	12	13	12	12	14	13	10	11	9	13	10
Pulmonary-Allergy Drugs Advisory Committee	13	13	6	12	13	15	13	13	14	17	17	14	14	14	15	15	14	16	13	15	9
Toxicological Research, Science Advisory Board to NCTR	9	9	9	9	8	9	9	9	7	10	8	8	8	10	9	11	11	12	9	10	9
Vaccines and Related Biological Products Advisory Committee	15	18	18	18	18	18	18	18	11	13	9	14	10	14	15	17	14	19	15	20	18
Veterinary Medicine Advisory Committee	11	10	10	10	13	13	15	12	12	9	9	5	16	12	12	8	-	-	-	ı	-
National Mammography Quality Assurance Advisory Committee	18	15	16	18	21	19	16	18	21	20	18	16	16	17	22	22	21	19	17	17	15
Transmissible Spongiform Encephalopathies Advisory Committee	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Pharmacy Compounding Advisory Committee	-	15	16	15	-	-	-	-	1	-	-	-	-	-	-	0	0	0	14	14	13
Pediatric Advisory Committee	-	-	-	-	-	-	-	11	13	13	13	18	16	17	13	13	13	17	14	17	13
Risk Communication Advisory Committee	-	-	-	-	-	-	-	-	ı	-	-	15	15	15	15	15	14	17	15	15	15
Tobacco Products Scientific Advisory Committee	-	-	-	-	-	-	-	-	-	-	-	-	0	12	13	13	15	15	13	13	11

Table 13 shows the announcement or nomination dates of 83 key science positions in the Trump administration used for Figure 1 of the report. These positions were designated as key science and technology positions by the National Academy of Sciences in its 2008 report Science and Technology for America's Progress: Ensuring the Best Presidential Appointments in the New Administration. This table reflects data last updated January 15, 2018.

TABLE 13. Status of Key Science Positions under Trump Administration

	Name	Appointed	Nominated or Announced
Executive Office of the President			
Director, Office of Science and Technology Policy (OSTP)*	-	-	-
Associate Director OSTP, environment*		-	-
Associate Director OSTP, science*	-	-	-
Chairman, Council of Environmental Quality*	Kathleen Hartnett White		October 13, 2017
Associate Director OSTP, technology (CTO)*	-	-	-
Associate Director OSTP, national security and international affairs*	-	-	-
Administrator Office of Information and Regulatory Affairs (OIRA)*	Neomi Rao	July 10, 2017	April 7, 2017
Chairman, Council of Economic Advisors*	Kevin Allen Hassett	September 12, 2017	April 7, 2017
Director, National Economic Council	Gary Cohn	December 12, 2016	December 12, 2016
Deputy Director, National Economic Council	Jeremy Katz	February 16, 2017	February 16, 2017
Deputy Assistant, national security advisor for international economic affairs	Kenneth I. Juster	February 2, 2017	February 2, 2017
Associate Director of OMB, natural resources	Jim Herz	March 10, 2017	March 10, 2017
Associate Director OMB, health	Joe Grogan	March 15, 2017	March 15, 2017
Associate Director OMB, economic policy	-	-	-
President's Council of Advisors on Science and Technology (PCAST) (20)	-	-	-
Department of Energy			
Under Secretary for Nuclear Security, Administrator for Nuclear Security*	Lisa Gordon-Hagerty		December 11, 2017
Under Secretary for Science*	Paul Dabbar	November 2, 2017	July 11, 2017
Assistant Secretary for Energy Efficiency and Renewable Energy*	-	-	-
Assistant Secretary for Environmental Management*	Anne Marie White	-	January 3, 2018
Assistant Secretary for Fossil Energy*	Steven Winberg	November 2, 2017	September 5, 2017
Assistant Secretary for Nuclear Energy*	-	-	-

TABLE 13. Status of Key Science Positions under Trump Administration (continued)

	Name	Appointed	Nominated or Announced
Department of Energy			
Under Secretary for Energy and Environment*	Mark Wesley Menezes	November 2, 2017	July 11, 2017
Principal Deputy Administrator, Nuclear Security*	-	-	-
Department of Health and Human Services			
Director of National Institutes of Health*	Francis Collins	June 6, 2017	January 19, 2017
Commissioner of FDA*	Scott Gottlieb	May 9, 2017	March 10, 2017
Assistant Secretary for Health*	Brett Giroir		April 21, 2017
Director of National Cancer Institute	Norman Sharpless	June 9, 2017	June 9, 2017
Assistant Secretary for Planning and Evaluation*	Stephen Parente		April 7, 2017
Department of Commerce			
Under Secretary for Oceans and Atmosphere, and Administrator of National Oceanic and Atmospheric Administration	Barry Myers		October 12, 2017
Director, National Institute of Standards and Technology (NIST)	Walter Copan	October 5, 2017	September 12, 2017
Director, Bureau of the Census	-	-	-
Department of Labor			
Commissioner, Bureau of Labor Statistics*	William Beach		October 26, 2017
Department of Veteran Affairs*			
Under Secretary for Health	-	-	-
Department of the Interior			
Assistant Secretary, Fish and Wildlife and Parks*	-	_	-

TABLE 13. Status of Key Science Positions under Trump Administration (continued)

	Name	Appointed	Nominated or Announced
Department of the Interior			
Assistant Secretary for Water and Science*	Timothy R. Petty	December 21, 2017	November 13, 2017
Director of US Geological Survey*	-	-	-
Director of Fish and Wildlife Service*	-	-	-
Environmental Protection Agency			
Assistant Administrator for Research and Development*	-	-	-
National Aeronautics and Space Administration			
Administrator*	Jim Bridenstine		September 1, 2017
Deputy Administrator*	-	-	-
Department of Agriculture			
Under Secretary for Food Safety*	-	-	-
Under Secretary for Research, Education, and Economics*	Sam Clovis	Withdrawn November 2, 2017	July 19, 2017
Under Secretary for Food, Nutrition and Consumer Services*	-	-	-
Department of Defense			
Assistant Secretary for Defense Research and Engineering*	Michael Griffin		December 4, 2017
Under Secretary for Acquisition, Technology and Logistics*	Ellen Lord	August 1, 2017	June 27, 2017
Director of Defense Advanced Research Projects Agency (DARPA)	Steven H. Walker	November 8, 2017	November 8, 2017
Assistant Secretary for Health Affairs*	Dean L. Winslow	Withdrawn December 20, 2017	September 2, 2017
Chief Information Officer*	-	-	-
Assistant Secretary for Nuclear, Chemical, and Biological Defense*	Guy B. Roberts	November 16, 2017	July 17, 2017
Director, Operational and Test Evaluation*	Robert Behler	November 16, 2017	September 2, 2017

TABLE 13. Status of Key Science Positions under Trump Administration (continued)

	Name	Appointed	Nominated or Announced
Department of Education			
Director, Institute of Educational Services*	Осси	oied - 6-year term	
Department of Homeland Security			
Under Secretary of Science and Technology*	-	-	-
Department of State			
Assistant Secretary for Oceans and International, Environmental and Scientific Affairs*	-	-	-
Advisor to Secretary on Science and Technology	-	-	-
Department of Transportation			
Administrator, Research and Innovative Technology Administration*	-	-	-
Nuclear Regulatory Commission			
Chair*	Kristine Svinicki	June 29, 2017	May 22, 2017
Commissioner*	Jeffery Baran		August 25, 2017
Commissioner*	Annie Caputo		May 22, 2017
Commissioner*	David Wright		May 22, 2017
Commissioner*	-	-	-
National Science Foundation			
Deputy director*	-	-	-
Director*	Occup	oied – 6-year term	
National Science Board*	Occup	oied – 6-year term	

Note: Positions marked with an asterisk require Senate confirmation; all remaining positions are selected by the president, except for the Associate Directors of the Office of Management and Budget, the Department of Defense Director of DARPA, and the Department of State Advisor to the Secretary for Science and Technology. Occupied positions were already filled by individuals with fixed terms appointed in the previous administration. The number of unfilled PCAST positions was estimated to be 20 based on the Obama administration's iteration of this committee; however, during the Bush administration, it had 22 members. Hyphens denote positions that have not been announced, nominated, or appointed. SOURCES: PARTNERSHIP FOR PUBLIC SERVICE AND THE WASHINGTON POST. 2017; NAS 2008.

Advisory Committee Member Interviews

We conducted interviews with at least one current or former committee member from each of the following federal advisory committees:

CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)

Advisory Committee to the Director

DEPARTMENT OF ENERGY (DOE):

Secretary of Energy Advisory Board

DEPARTMENT OF INTERIOR (DOI):

Advisory Committee on Climate Change and Natural Resource Science

DEPARTMENT OF LABOR (DOL):

National Advisory Committee on Occupation Safety and Health Whistleblower Protection Advisory Committee

ENVIRONMENTAL PROTECTION AGENCY (EPA):

Science Advisory Board

Clean Air Scientific Advisory Committee

Chemical Safety Advisory Committee

National Environmental Justice Advisory Committee

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA):

Technical Mapping Advisory Committee

DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS):

HHS Advisory Committee on Childhood Vaccines

HHS National Vaccine Advisory Committee

HHS Pharmacy Compounding Advisory Committee

NIH Board of Scientific Counselors at the National Institute of Allergy and Infectious Diseases

HHS-FOOD AND DRUG ADMINISTRATION (FDA):

Food Advisory Committee

FDA Science Board

Tobacco Products Advisory Committee

Risk Communication Advisory Committee

Blood Products Advisory Committee

Pediatrics Advisory Committee

Vaccines and Related Biological Products Advisory Committee

HHS/U.S. DEPARTMENT OF AGRICULTURE (USDA):

Dietary Guidelines Advisory Committee