

## 2018 Current Fiscal Year Report: Advisory Committee on Water Information

Report Run Date: 06/19/2019 02:45:32 PM

<b>1. Department or Agency</b>		<b>2. Fiscal Year</b>	
Department of the Interior		2018	
<b>3. Committee or Subcommittee</b>		<b>3b. GSA Committee No.</b>	
Advisory Committee on Water Information		42	
<b>4. Is this New During Fiscal Year?</b>	<b>5. Current Charter</b>	<b>6. Expected Renewal Date</b>	<b>7. Expected Term Date</b>
No	07/02/2018	07/02/2020	
<b>8a. Was Terminated During Fiscal Year?</b>	<b>8b. Specific Termination Authority</b>	<b>8c. Actual Term Date</b>	
No			
<b>9. Agency Recommendation for Next Fiscal Year</b>	<b>10a. Legislation Req to Terminate?</b>	<b>10b. Legislation Pending?</b>	
Continue	Not Applicable	Not Applicable	

<b>11. Establishment Authority</b>	Agency Authority		
<b>12. Specific Establishment Authority</b>	<b>13. Effective Date</b>	<b>14. Committee Type</b>	<b>14c. Presidential?</b>
43 USC 31 et seq.	03/03/1879	Continuing	No

**15. Description of Committee** Scientific Technical Program Advisory Board

**16a. Total Number of Reports** 1

<b>16b. Report Date</b>	<b>Report Title</b>
01/18/2018	ACWI Annual Meeting Minutes

**Number of Committee Reports Listed:** 1

**17a. Open** 1 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 1

**Meetings and Dates**

<b>Purpose</b>	<b>Start</b>	<b>End</b>
2017 ACWI Annual Meeting	01/17/2018	- 01/18/2018

**Number of Committee Meetings Listed:** 1

	<b>Current FY</b>	<b>Next FY</b>
<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$0.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$55,075.00	\$59,500.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$206,600.00	\$209,815.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$12,587.00	\$88,100.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$0.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00

<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$2,735.00	\$5,375.00
<b>18d. Total</b>	\$276,997.00	\$362,790.00
<b>19. Federal Staff Support Years (FTE)</b>	2.00	2.00

**20a. How does the Committee accomplish its purpose?**

The purpose of the Committee is to represent the interests of water-information users and professionals in advising the Federal Government on Federal water-information programs and their effectiveness in meeting the Nation's water-information needs. Member organizations will help to foster communications between the Federal and non-Federal sectors on sharing water information. The ACWI and its active subgroups hold open meetings to obtain information about water information programs, activities, and plans. Most subgroup work is accomplished in work groups and through the use of teleconferencing and web-conferencing. The subgroups produce recommendations, white papers, databases, guidelines, reports, and other products, which are submitted to ACWI for review and approval before publication. ACWI and its subgroups also host national conferences on water resources and information, to facilitate knowledge transfer and information exchange across the entire community of water science practitioners.

**20b. How does the Committee balance its membership?**

Full ACWI members are appointed by the Office of the Secretary of the Interior to serve 4-year terms. The members are major national organizations that represent a wide range of water resources interests and functions. Representation on the ACWI includes all levels of Federal, State, and local government, public interest groups, academia, private industry, non-profit groups, and professional organizations. Member organizations designate their representatives and alternates, and these individuals are vetted through the Department of the Interior's White House Liaison Office. Membership is limited to a maximum of 35 organizations. ACWI continues a policy of identifying non-Federal member organizations to serve as sponsors, local hosts, and/or co-chairs for ACWI-sanctioned Task Forces and Conferences, including the biennial National Monitoring Conferences and the Joint Federal Interagency Conference on Sedimentation and Hydrologic Modeling. Representatives of many ACWI member organizations, both government and non-government, participate actively on ACWI's subcommittees. Federal agency staff provide scientific and technical advice on program development, and U.S. Geological Survey (USGS) and Environmental Protection Agency (EPA) provide significant staff support for ACWI activities.

**20c. How frequent and relevant are the Committee Meetings?**

Meetings are held annually. The 2017 meeting was held in January 2018 via teleconference and webinar, and the 2018 meeting will be held in FY2019 in Reston,

Virginia. See the ACWI web site for a summary of the 2016 annual meeting: [https://acwi.gov/acwi-minutes/acwi2017/acwi\\_minutes-20180117-FINAL.pdf](https://acwi.gov/acwi-minutes/acwi2017/acwi_minutes-20180117-FINAL.pdf). In addition to providing a forum for annual reports from ACWI subgroups, the ACWI annual meeting includes presentations and discussions that address key national concerns and programs related to improved coordination of water resources efforts.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The advice and consultation of ACWI is essential because of the extensive interactions among Federal, tribal, regional, State, and non-governmental sectors for funding, collecting, and using water information for decision-making. These complex partnerships for acquiring and sharing water information reduce the overall Federal costs for operating resource management and environmental protection programs. Many non-Federal entities routinely provide water information used by numerous Federal agencies. In addition, other levels of government and the private sector use Federal water information for making critical decisions, from State and local flood-forecasting to save lives and property, to managing downstream habitat. Some aspects of public access to water information have become both more critical and more sensitive due to increased concerns about water security. Both government and non-government groups, including non-profit volunteer monitoring organizations and local watershed groups, conduct extensive activities for assessing and monitoring water quality across the United States. Data and information from these multi-scale monitoring programs provide significant input to federally regulated programs for protecting the environment, as well as for safe recreational use of rivers and streams by individual citizens. Frequent and reliable communication and consultation is needed to achieve reasonable geographic coverage, to improve access to information, to improve data comparability, and to enhance quality control and quality assurance of data collected from these multiple sources.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

Not applicable - ACWI annual meetings are announced in the Federal Register, are open to the public, and include processes that provide opportunity for public comment. All related subgroup meetings are widely advertised through the ACWI membership and the ACWI public web site, and are open to the public. For current information on all ACWI and subgroup meetings, as well as a large suite of subgroup products and databases, visit the ACWI web site at <http://acwi.gov/>.

**21. Remarks**

The 2018 ACWI meeting will not be held until FY2019. The 2017 ACWI meeting was held January 17-18, 2018; no new recommendations were made during this meeting.

## Designated Federal Officer

Candice B Hopkins Acting ACWI Executive Secretary, Water Mission Area

Committee Members	Start	End	Occupation	Member Designation
Beck, Judy	04/17/2014	04/16/2018	League of Women Voters	Representative Member
Cline, Don	04/17/2014	04/16/2018	USGS Associate Director for Water, Alt. Chair	Regular Government Employee (RGE) Member
Connor, Sandra	04/17/2014	04/16/2018	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Curtis, David	04/17/2014	04/16/2018	WEST Consultants, Inc.	Representative Member
Freedman, Paul	04/17/2014	04/16/2018	Water Environment Federation	Representative Member
Goldstein, Robert	04/17/2014	04/16/2018	Electric Power Research Institute	Representative Member
Graziano, Tom	04/17/2014	04/16/2018	National Oceanic and Atmospheric Administration	Regular Government Employee (RGE) Member
Heiskary, Steven	04/17/2014	04/16/2018	North American Lake Management Society	Representative Member
Henry, Travis	04/17/2014	04/16/2018	Tennessee Valley Authority	Regular Government Employee (RGE) Member
Hunsicker, Charles	04/17/2014	04/16/2018	National Association of County Planners	Representative Member
Kernen, Brandon	04/17/2014	04/16/2018	Association of State Drinking Water Administrators	Representative Member
Langseth, David	04/17/2014	04/16/2018	National Ground Water Association	Representative Member
Loucks, Eric	04/17/2014	04/16/2018	American Society of Civil Engineers	Representative Member
Lowry, Sue	04/17/2014	04/16/2018	Interstate Council on Water Policy	Representative Member
Mace, Robert	04/17/2014	04/16/2018	Western States Water Council	Representative Member
McLaughlin, Douglas	04/14/2014	04/16/2018	National Council for Air and Stream Improvement	Representative Member
McShane, John	04/17/2014	04/16/2018	Association of State Floodplain Managers	Representative Member
Paque, Michel	04/17/2014	04/16/2018	Ground Water Protection Council	Representative Member
Petty, Tim	01/12/2018	01/19/2021	Department of Interior	Regular Government Employee (RGE) Member
Pletl, James	04/17/2014	04/16/2018	National Association of Clean Water Agencies	Representative Member
Prelewicz, Gregory	04/17/2014	04/16/2018	Fairfax Water	Representative Member
Richardson, Jesse	04/17/2014	04/16/2018	The Universities Council on Water Resources, Inc.	Representative Member
Vicory, Alan	04/17/2014	04/16/2018	Stantec	Representative Member

Webb, Jerry	04/17/2014	04/16/2018	U.S. Army Corps of Engineers	Regular Government Employee (RGE) Member
Wunsch, David	04/17/2014	04/16/2018	Association of American State Geologists	Representative Member
Zhang, Xiao (Harry)	04/17/2014	04/16/2018	American Water Resources Association	Representative Member
Anderson, Karma [National Water Quality Monitoring Council (NWQMC)]	11/15/2017	11/15/2021	USDA/Natural Resources Conservation Service	Regular Government Employee (RGE) Member
Asplund, Tim [National Water Quality Monitoring Council (NWQMC)]	10/01/2016	09/30/2020	Wisconsin State Government	Representative Member
Belluci, Christopher [National Water Quality Monitoring Council (NWQMC)]	10/01/2016	09/30/2020	Connecticut State Government	Representative Member
Borisenko, Aaron [National Water Quality Monitoring Council (NWQMC)]	10/01/2014	09/30/2018	State of Oregon Department of Environmental Quality	Representative Member
Caffrey, Jane [National Water Quality Monitoring Council (NWQMC)]	10/23/2017	10/23/2021	University of West Florida	Representative Member
Chestnut, Dave [National Water Quality Monitoring Council (NWQMC)]	10/23/2017	10/23/2021	South Carolina Department of Health and Environmental Control	Representative Member
DeLorenzo, Marie [National Water Quality Monitoring Council (NWQMC)]	04/17/2015	04/17/2019	National Oceanic and Atmospheric Administration	Regular Government Employee (RGE) Member
Donkersloot, Danielle [National Water Quality Monitoring Council (NWQMC)]	10/01/2016	09/30/2020	New Jersey Department of Environmental Protection	Representative Member
Dorsch, James [National Water Quality Monitoring Council (NWQMC)]	10/01/2015	09/30/2019	National Association of Clean Water Agencies	Representative Member
Eberle, Michael [National Water Quality Monitoring Council (NWQMC)]	04/17/2014	04/17/2019	U.S. Forest Service	Regular Government Employee (RGE) Member
Ellsworth, Allan [National Water Quality Monitoring Council (NWQMC)]	04/17/2015	04/17/2019	National Park Service	Regular Government Employee (RGE) Member
Greene, Chris [National Water Quality Monitoring Council (NWQMC)]	10/01/2015	09/30/2019	State of Minnesota	Representative Member
Heath, Jason [National Water Quality Monitoring Council (NWQMC)]	07/23/2018	07/23/2022	ORSANCO	Representative Member
Higgins, Mike [National Water Quality Monitoring Council (NWQMC)]	04/17/2015	04/17/2019	Fish and Wildlife Service	Regular Government Employee (RGE) Member
Holdsworth, Susan [National Water Quality Monitoring Council (NWQMC)]	04/17/2014	04/17/2018	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Kathman, Amy [National Water Quality Monitoring Council (NWQMC)]	10/01/2016	09/30/2020	Water Environment Federation	Representative Member
Magee, Madeline [National Water Quality Monitoring Council (NWQMC)]	08/28/2018	08/28/2022	Wisconsin Department of Natural Resources	Representative Member

Martorano, Nicholas [National Water Quality Monitoring Council (NWQMC)]	08/02/2017 08/02/2021	California Waterboards	Representative Member
McDonald, Michael [National Water Quality Monitoring Council (NWQMC)]	04/17/2014 04/17/2018	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
McGeorge, Leslie [National Water Quality Monitoring Council (NWQMC)]	10/01/2014 09/30/2018	New Jersey Department of Environmental Protection	Representative Member
Metesh, John [National Water Quality Monitoring Council (NWQMC)]	10/01/2016 09/30/2020	Association of American State Geologists	Representative Member
Mettler, Martha [National Water Quality Monitoring Council (NWQMC)]	10/01/2016 09/30/2020	Association of Clean Water Administrators	Representative Member
Pathak, Chandra [National Water Quality Monitoring Council (NWQMC)]	04/17/2015 04/17/2019	Corps of Engineers	Regular Government Employee (RGE) Member
Porter, Monty [National Water Quality Monitoring Council (NWQMC)]	10/01/2016 09/30/2020	Oklahoma Water Resources Board	Representative Member
Rowe, Gary [National Water Quality Monitoring Council (NWQMC)]	05/16/2014 05/16/2022	US Geological Survey	Regular Government Employee (RGE) Member
Schloss, Jeffrey [National Water Quality Monitoring Council (NWQMC)]	10/01/2014 09/30/2018	North American Lake Management Society	Representative Member
Schuldt, Nancy [National Water Quality Monitoring Council (NWQMC)]	10/23/2017 10/23/2021	National Tribal Water Council	Representative Member
Sherwood, Edward [National Water Quality Monitoring Council (NWQMC)]	02/20/2018 02/20/2022	Tampa Bay Estuary Program	Representative Member
Skopec, Mary [National Water Quality Monitoring Council (NWQMC)]	10/01/2017 09/30/2020	Iowa Lakeside Laboratory: Regents Resource Center	Representative Member
Smith, Elizabeth [National Water Quality Monitoring Council (NWQMC)]	12/18/2017 12/18/2021	Kansas Department of Health and Environment	Representative Member
Weathers, Kathleen [National Water Quality Monitoring Council (NWQMC)]	08/06/2018 08/06/2022	Cary Institute of Ecosystem Studies	Representative Member
Willis, Larry [National Water Quality Monitoring Council (NWQMC)]	10/01/2015 09/30/2019	Virginia Department of Environmental Quality	Representative Member
ZumBerge, Jeremy [National Water Quality Monitoring Council (NWQMC)]	12/18/2017 12/18/2021	Wyoming Department of Natural Resources	Representative Member
Allen, Tom [Subcommittee on Ground Water]	02/01/2018 02/01/2022	Association of State Drinking Water Administrators	Representative Member
Betz, Cary [Subcommittee on Ground Water]	04/17/2014 04/17/2018	Texas Commission on Environmental Quality	Representative Member
Carlson, Chris [Subcommittee on Ground Water]	04/17/2014 04/17/2018	U.S. Forest Service	Regular Government Employee (RGE) Member
Cunningham, William [Subcommittee on Ground Water]	04/17/2014 04/17/2018	U.S. Geological Survey	Regular Government Employee (RGE) Member

Evans, Peter [Subcommittee on Ground Water]	02/01/2018 02/02/2022	Interstate Council on Water Policy	Representative Member
Huntoon, Lori [Subcommittee on Ground Water]	04/17/2014 04/17/2018	American Society for Testing and Materials	Representative Member
Jansen, John [Subcommittee on Ground Water]	02/01/2018 02/01/2022	National Groundwater Association	Representative Member
Miesbach, David [Subcommittee on Ground Water]	02/01/2018 02/01/2022	Association of State and INterstate Water Pollution Control Administrators	Representative Member
Nicholson, Tom [Subcommittee on Ground Water]	04/17/2014 04/17/2018	Nuclear Regulatory Commission	Regular Government Employee (RGE) Member
Paque, Michael [Subcommittee on Ground Water]	02/01/2018 02/02/2022	Ground Water Protection Council	Representative Member
Schreiber, Robert [Subcommittee on Ground Water]	04/17/2014 04/17/2018	CDM Smith consulting	Representative Member
Summers, Paul [Subcommittee on Ground Water]	02/01/2018 02/02/2022	Bureau of Land Management	Regular Government Employee (RGE) Member
Becker, Martin [Subcommittee on Hydrology]	04/17/2015 04/17/2019	BECKER	Representative Member
Beucler, Brian [Subcommittee on Hydrology]	04/17/2015 04/17/2019	Federal Highway Administration	Regular Government Employee (RGE) Member
Curtis, Paul [Subcommittee on Hydrology]	07/02/2018 07/02/2022	Bureau of Land Management	Regular Government Employee (RGE) Member
Davies, Terry [Subcommittee on Hydrology]	04/17/2015 04/17/2019	National Science Foundation	Regular Government Employee (RGE) Member
Esfandiary, Siamak [Subcommittee on Hydrology]	04/17/2015 04/17/2019	Federal Emergency Management Agency	Regular Government Employee (RGE) Member
Fearson, Kenneth [Subcommittee on Hydrology]	07/02/2018 07/02/2022	Federal Energy Regulatory Commission	Regular Government Employee (RGE) Member
Ferguson, Ian [Subcommittee on Hydrology]	07/02/2018 07/02/2022	Bureau of Reclamation	Regular Government Employee (RGE) Member
Goodrich, David [Subcommittee on Hydrology]	07/02/2018 07/02/2022	USDA - Agricultural Research Service	Regular Government Employee (RGE) Member
Hoeft, Claudia [Subcommittee on Hydrology]	04/17/2015 04/17/2019	USDA - Natural Resources Conservation Service	Regular Government Employee (RGE) Member
Hom, Victor [Subcommittee on Hydrology]	04/17/2015 04/17/2019	National Weather Service	Regular Government Employee (RGE) Member
Jawdy, Curtis [Subcommittee on Hydrology]	07/02/2018 07/02/2022	Tennessee Valley Authority	Regular Government Employee (RGE) Member
Kreitzer, Sarah [Subcommittee on Hydrology]	04/17/2015 04/17/2019	Office of Surface Mining	Regular Government Employee (RGE) Member
Kumar, Sujay [Subcommittee on Hydrology]	04/17/2015 04/17/2019	NASA/Goddard Spaceflight Center	Regular Government Employee (RGE) Member

Mason, Robert [Subcommittee on Hydrology]	04/17/2015 04/17/2019 U.S. Geological Survey	Regular Government Employee (RGE) Member
Nicholson, Thomas [Subcommittee on Hydrology]	04/17/2015 04/17/2019 Nuclear Regulatory Commission	Regular Government Employee (RGE) Member
Pathak, Chandra [Subcommittee on Hydrology]	04/17/2015 04/17/2019 U.S. Army Corps of Engineers	Regular Government Employee (RGE) Member
Pratt, Ben [Subcommittee on Hydrology]	04/17/2015 04/17/2019 National Hydrologic Warning Council	Representative Member
Sreetharan, Mathini [Subcommittee on Hydrology]	07/02/2018 07/02/2022 Dewberry	Representative Member
Thomas, Wilbert [Subcommittee on Hydrology]	04/17/2015 04/17/2019 Association of State Floodplain Managers	Representative Member
Woodward, Don [Subcommittee on Hydrology]	04/17/2015 04/17/2019 Global Ecosystems Center	Representative Member
Yochum, Steve [Subcommittee on Hydrology]	04/07/2015 04/07/2019 USDA - U.S. Forest Service	Regular Government Employee (RGE) Member
Young, Dwayne [Subcommittee on Hydrology]	07/02/2018 07/02/2022 U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Bales, Jerad [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 Consortium of Universities for the Advancement of Hydrologic Sciences, Inc.	Representative Member
Boyd, Paul [Subcommittee on Sedimentation]	07/02/2018 07/02/2022 U.S. Army Corps of Engineers	Regular Government Employee (RGE) Member
Bradley, Jeff [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 American Society of Civil Engineers	Representative Member
Cenderelli, Dan [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 USDA - U.S. Forest Service	Regular Government Employee (RGE) Member
Cluer, Brian [Subcommittee on Sedimentation]	07/02/2018 07/02/2022 NOAA - National Marine Fisheries Service	Regular Government Employee (RGE) Member
Cox, Amanda [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 Missouri Water Resources Research Center	Representative Member
Curtis, Doug [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 Bureau of Land Management	Regular Government Employee (RGE) Member
Fripp, Jon [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 USDA - Natural Resource Conservation Service	Regular Government Employee (RGE) Member
Hogan, Scott [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 DOT - Federal Highway Administration	Regular Government Employee (RGE) Member
Langendoen, Eddy [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 USDA - Agricultural Research Service	Regular Government Employee (RGE) Member
Makowski, Paul [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 Federal Energy Regulatory Commission	Regular Government Employee (RGE) Member
Martin, Mike [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 National Park Service	Regular Government Employee (RGE) Member
Minear, Toby [Subcommittee on Sedimentation]	04/17/2015 04/17/2019 Cooperative Institute for Research in Environmental Sciences	Representative Member



Nelson, Peter [Subcommittee on Sedimentation]	04/17/2015 04/17/2019	Colorado Water Resources Research Institute	Representative Member
Parker, Dara [Subcommittee on Sedimentation]	04/17/2015 04/17/2019	Tennessee Valley Authority	Regular Government Employee (RGE) Member
Randle, Tim [Subcommittee on Sedimentation]	04/17/2015 04/17/2019	Bureau of Reclamation	Regular Government Employee (RGE) Member
Schubauer-Berigan, Joseph [Subcommittee on Sedimentation]	04/17/2015 04/17/2019	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Teal, Marty [Subcommittee on Sedimentation]	07/02/2018 07/02/2022	U.S. Society on Dams	Representative Member
Wood, Molly [Subcommittee on Sedimentation]	07/02/2018 07/02/2022	U.S. Geological Survey	Regular Government Employee (RGE) Member
Bales, Jerad [Subcommittee on Spatial Water Data]	08/02/2018 08/02/2022	CUHASI	Representative Member
Carpenter, Adam [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	American Water Works Association	Representative Member
Clark, Ed [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	National Weather Service	Regular Government Employee (RGE) Member
Davis, Jeffrey [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	National Ground Water Association	Representative Member
Dewald, Tommy [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Djokic, Dean [Subcommittee on Spatial Water Data]	08/02/2018 08/02/2022	ESRI	Representative Member
Eberle, Mike [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	USDA - U.S. Forest Service	Regular Government Employee (RGE) Member
Fox, Sandra [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	American Water Resources Association	Representative Member
Kopp, Steve [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	Esri	Representative Member
Larsen, Sara [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	Western States Water Council	Representative Member
Mickle, Chris [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	Private industry - Cardno Consultants	Representative Member
Porteous, Alex [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	Booz, Allen, Hamilton	Representative Member
Rea, Alan [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	U.S. Geological Survey	Regular Government Employee (RGE) Member
Read, Emily [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	U.S. Geological Survey	Regular Government Employee (RGE) Member
Samuels, Bill [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	Private industry - Leidos	Representative Member
Young, Dwane [Subcommittee on Spatial Water Data]	04/17/2015 04/17/2019	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Berry, David [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018 07/02/2022	unknown	Regular Government Employee (RGE) Member

Bronson, Stan [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	Florida Earth Foundation	Representative Member
Eberle, Mike [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	US Forest Service	Regular Government Employee (RGE) Member
Grossman, Marianna [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	Minerva Ventures	Representative Member
Juricich, Richard [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	California Department of Water Resources	Representative Member
McCormick, Ron [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	Bureau of Land Management	Regular Government Employee (RGE) Member
Parsons, Jill [Subcommittee on Sustainable Water Resources Roundtable]	07/02/2018	07/02/2022	Ecological Society of America	Representative Member
Wells, John [Subcommittee on Sustainable Water Resources Roundtable]	04/17/2015	04/17/2019	Minnesota Environmental Quality Board	Representative Member
Wilkinson, Robert [Subcommittee on Sustainable Water Resources Roundtable]	04/17/2015	04/17/2019	Bren School of Environmental Science and Management, University of California, Santa Barbara	Representative Member
Archfield, Stacy [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	U.S. Geological Survey	Regular Government Employee (RGE) Member
Atkinson, Dwight [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	U.S. Environmental Protection Agency	Regular Government Employee (RGE) Member
Bales, Jerad [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Consortium of Universities for the Advancement of Hydrologic Sciences, Inc.	Representative Member
Belan, Gary [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	American Rivers	Representative Member
Beller-Simms, Nancy [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	NOAA - Climate Program Office	Regular Government Employee (RGE) Member
Block, Michael [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	National Ground Water Association	Representative Member
Brooks, Keely [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Water Utility Climate Alliance	Representative Member
Brown, Erica [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Association of Metropolitan Water Agencies	Representative Member
Brunkard, Joan [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Centers for Disease Control and Prevention	Regular Government Employee (RGE) Member
Carlson, Chris [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	USDA - U.S. Forest Service	Regular Government Employee (RGE) Member
Carpenter, Adam [Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	American Water Works Association	Representative Member

Collier, Carol			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	American Water Resources Association
Cooley, Heather			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Pacific Institute
Fox, Radhika			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	U.S. Water Alliance
Freedman, Paul			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Water Environment Federation
Gollehon, Noel			Regular Government Employee (RGE) Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	USDA - Natural Resources Conservation Service
Hague, James			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	The Nature Conservancy
Jones, Jeanine			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Western States Water Council
Kernen, Brandon			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Association of State Drinking Water Administrators
Loucks, Eric			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	American Society of Civil Engineers
Manning, Jeff			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Association of Clean Water Administrators
McCandless, Tamara			Regular Government Employee (RGE) Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	U.S. Fish and Wildlife Service
McShane, John			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Association of State Floodplain Managers
Moore, Rob			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Natural Resources Defense Council
Nowak, Kenneth			Regular Government Employee (RGE) Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Bureau of Reclamation
Paque, Mike			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Ground Water Protection Council
Samet, Melissa			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	National Wildlife Federation
Stelk, Marla			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	Association of State Wetland Managers
Surfus, Kristina			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	National Association of Clean Water Agencies
Turyk, Nancy			Representative Member
[Water Resources Adaptation to Climate Change Workgroup (WRACCW)]	04/17/2015	04/17/2019	North American Lake Management Society

Wells, Ernie [Water Resources Adaptation to Climate 04/17/2015 04/17/2019 NOAA - National Weather Service Change Workgroup (WRACCW)]	Regular Government Employee (RGE) Member
White, Kathleen [Water Resources Adaptation to Climate 04/17/2015 04/17/2019 U.S. Army Corps of Engineers Change Workgroup (WRACCW)]	Regular Government Employee (RGE) Member
Yacos, Karen [Water Resources Adaptation to Climate 04/17/2015 04/17/2019 Ceres, Inc. Change Workgroup (WRACCW)]	Representative Member
Zamuda, Craig [Water Resources Adaptation to Climate 04/17/2015 04/17/2019 Department of Energy Change Workgroup (WRACCW)]	Regular Government Employee (RGE) Member

**Number of Committee Members Listed: 171**

### **Narrative Description**

The USGS manages the Advisory Committee on Water Information for the Department of the Interior, in alignment with department and bureau goals. This is accomplished through activities that contribute to DOI Strategic Plan Mission Area 1 (Conserving Our Land and Water) Goal 1 (Utilize science in land, water, species and habitat management supporting) Strategy 1 (Apply science to land, water, and species management) and Mission Area 5 (Protecting Our People and the Border) Goal 4 (Provide science to safeguard communities from natural hazards) Strategy 1 (Monitor and assess natural hazards risk and response planning). ACWI provides a neutral and objective forum where Interior and other water-related Federal agencies can work together to coordinate activities, share resources, and collaborate on the collection, storage, management, analysis, and dissemination of water information. This collaboration occurs among agencies with a diversity of missions and management responsibilities: regulation (Environmental Protection Agency), science (USGS), land and resource management (Interior's Bureau of Land Management, National Park Service, and U.S. Fish and Wildlife Service, and the Department of Agriculture's U.S. Forest Service), oceans and coastal resources (NOAA's National Ocean Service), flood forecasting (NOAA's National Weather Service) or other water-related activities. For example, the many State and non-government member associations within ACWI broadly disseminate water data, information, and guidelines produced by ACWI and its Federal member agencies, which directly assists volunteer monitoring groups, local and regional watershed groups, and State and regional monitoring councils to improve water quality and resource decision-making. Examples include the water-quality data portal (<https://www.waterqualitydata.us/>) that brings together USGS and EPA data so that users can make inquiries through a single interface, the National Groundwater Monitoring Network Portal (<https://cida.usgs.gov/ngwmn/>) that provides a compilation of selected groundwater monitoring wells from Federal, State, and local groundwater monitoring networks across the Nation, the on-line National Environmental Methods Index (NEMI –

currently with more than 1,000 holdings and a new component that deals with methods for statistical assessment), the guidelines for Water Quality Data Elements, and training and knowledge transfer accomplished through the hosting of national conferences (such as the National Monitoring Conference held in Tampa, Florida, May 2-5, 2016). An important component of ensuring the availability of long-term environmental information and analyses is the work done by the National Water Quality Monitoring Council (NWQMC), which has helped to improve intergovernmental communications through the formation of (and continuing interaction with) numerous State, Regional, and Tribal Monitoring Councils. During FY 2018, the NWQMC has continued regular dialogue and information exchange with these non-Federal monitoring councils, which began in 2009 with a series of technical web-based seminars (<https://acwi.gov/monitoring/webinars/index.html>); there were 13 technical webinars held during FY 2018, and recordings of those the webinars are available on YouTube (<https://www.youtube.com/user/NWQMC>) so that those who miss the initial presentation can still access the material.

**What are the most significant program outcomes associated with this committee?**

Checked if Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

**Outcome Comments**

Trust in Government: ACWI has balanced membership among Federal, State, and local governments, along with non-profit professional and technical associations, as well as academia and the private sector. This structure promotes trust in government through the open meetings and consensus-building approach used by this committee, and as a result, serious consideration is given to ACWI comments, which are used to enhance draft reports and products. Improved Service Delivery (Science and Technical Information): The ACWI continues to update their website making sure information is readily available for past meetings including presentations and meeting minutes. The Traffic on the ACWI website also remained high, and staff received numerous telephone calls and emails from people inquiring about the timing for resuming meetings and other ACWI activities. Increased Customer Satisfaction: The National Water Quality Monitoring Council

(NWQMC) technical webinar series remained extremely popular, with several hundred people registering for each of the 13 webinar sessions that were held. The Water Resources Adaptation to Climate Change Workgroup (WRACCW) continues to have guest presenters at each of their monthly meetings.

**What are the cost savings associated with this committee?**

	Checked if Applies
None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

**Cost Savings Comments**

Because the Committee makes recommendations not just to Interior, but to multiple Federal water agencies, as well as to other levels of government, non-profit associations, and the private sector through its member organizations, it is not possible to estimate direct cost savings. Products developed directly by ACWI subcommittees include databases, web portals, standards, guidelines, and training that improve the usability of data and information collected and developed by Federal, State, and local governments and volunteer organizations in determining the quality and sustainability of their water resources. For example, data portals that utilize “web services” enable users to make queries regarding water data, without needing to know which agency’s database contains that data, thus saving users considerable time and effort. Portals sponsored by ACWI include both the data portal established by USGS and EPA (<https://www.waterqualitydata.us/>) and the National Groundwater Monitoring Network data portal (<https://cida.usgs.gov/ngwmn/>) established by USGS in collaboration with a variety of Federal, State, and local partners. ACWI subcommittees also provide numerous free online tools that save time and money for water professionals by providing a single resource, rather than requiring users to search multiple places. For example the National Environmental Methods Index and the Water Quality Data Elements Users Guide (both ACWI products) give users a quick reference for choosing the most appropriate water-quality analysis methods and for developing appropriate meta-data that can help future users to better understand the context of that data. Another example of cost savings is Bulletin 17-C (“Guidelines for Determining Flood Flow Frequency”) a USGS

report vetted through ACWI's Subcommittee on Hydrology (SOH) that is used to help delineate flood-prone areas, for the purposes of the National Flood Insurance Program. During 2012, SOH began the process of updating this bulletin for the first time in 30 years; This report was published in March 2018 and will have significant impacts for communities across the Nation, as the methods defined in Bulletin 17-C inform literally millions of decisions about construction, land use, and emergency response.

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

95

#### **Number of Recommendations Comments**

The ACWI and its subgroups typically produce no more than 10 action items each year. The 2017 ACWI meeting, which was held in January 2018, had 3 action items.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

71%

#### **% of Recommendations Fully Implemented Comments**

ACWI makes recommendations not just to the Department of the Interior, but to all 5 of its other Federal agency members. In particular, the U.S. Geological Survey (USGS) and the U.S. Environmental Protection Agency (EPA), which jointly co-chair two major ACWI subgroups, generally support and try to implement the ACWI recommendations.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

21%

#### **% of Recommendations Partially Implemented Comments**

The ACWI makes recommendations to a diverse group of government and non-government entities who voluntarily implement those recommendations to varying degrees where prudent and/or feasible.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes  No  Not Applicable

#### **Agency Feedback Comments**

As the manager of ACWI, USGS provides regular feedback to the representatives of ACWI member organizations, and through those organizations to their membership, throughout the year through a variety of communication mechanisms. Each ACWI subgroup provides a report of its activities, including products and recommendations, at an annual meeting of ACWI. ACWI then concurs with or provides further guidance on those activities and accomplishments. The results of the meetings are published as minutes and action items, which are distributed to all members via email and are placed on the public ACWI website (<https://acwi.gov>). As needed throughout the year and between meetings, USGS provides draft documents or other information to ACWI members for review and comment, requests approvals as necessary, and disseminates final results and products primarily through email and/or web-based conferencing. USGS also maintains an extensive ACWI website to promote ACWI activities and products; this website includes many links that give the public ready access to both general and technical information and data from multiple Federal, State, and non-government water resources organizations. For example, the National Water Quality Monitoring Council maintains a public website that links to all existing State and regional water quality monitoring councils, and to information about the volunteer monitoring community.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

- |                                   |                          |
|-----------------------------------|--------------------------|
| Reorganized Priorities            | <input type="checkbox"/> |
| Reallocated resources             | <input type="checkbox"/> |
| Issued new regulation             | <input type="checkbox"/> |
| Proposed legislation              | <input type="checkbox"/> |
| Approved grants or other payments | <input type="checkbox"/> |
| Other                             | <input type="checkbox"/> |

**Action Comments**

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

N/A

**How is access provided to the information for the Committee's documentation?**

Checked if Applies



Contact DFO	✓
Online Agency Web Site	✓
Online Committee Web Site	✓
Online GSA FACA Web Site	✓
Publications	✓
Other	✓

**Access Comments**

As manager of ACWI, USGS maintains an extensive public website (<https://acwi.gov/>), which provides direct access to all ACWI meetings, minutes, action items, recommendations, products, and activities. Each of the ACWI subgroups has its own website, which in turn provide results from working groups, as well as access to major databases, publications, fact sheets, newsletters, webinars, on-line conference registration and subsequent results, and other activities and products developed by ACWI and its member agencies and organizations. All of these materials, once approved by ACWI, are published on the ACWI website, helping to maintain a completely open and public process. In addition, ACWI member organizations are encouraged to use their own communications mechanisms, such as email groups, newsletters, and frequent teleconferences, to disseminate and promote ACWI recommendations and results throughout their organizations. The membership of ACWI and its subgroups includes literally dozens of State, local, regional, professional, academic, and non-profit organizations and consortia, ensuring a wide distribution network. The member organizations also support a number of national conferences, such as the biennial National Monitoring Conferences, which assists in providing broader input to ACWI from the larger water resources community, as well as educating the participants about ACWI activities, products, and recommendations. Information about these conferences, including their results and recommendations, is also accessible through the ACWI website. Special projects of ACWI, such as the water-quality and groundwater data portals, are promoted through exhibits, poster sessions, and handouts at major national conferences.