

Commission on the Weather, Water, and Climate Enterprise (CWWCE) March 2016 Report

William P. Mahoney, Commissioner
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Introduction

This summary report provides highlights of current activities and those planned for 2016. Additional information can be found on the [Commission](#) web site.

Commission Membership

Membership across the CWWCE boards and committees continues to evolve and changes are being reflected in updates to the CWWCE web pages and the corresponding AMS membership database. A 2016 CWWCE organization chart is provided in Attachment A for reference.

Forums and Symposia Planned for 2016

The following major activities are planned for 2016. Additional activities are being conducted that are described on the CWWCE board and committee webpages.

- **Forum on Observing the Environment from the Ground Up**. March 8-9, 2016, Washington D.C. The [Forum](#) built on efforts over the past decade to develop an integrated, multi-purpose observing system focused on the conditions from the surface through the atmospheric boundary layer. Approximately 105 persons representing all sectors attended the Forum. It was organized by the BEST's Nationwide Networks of Networks (NNoN) Committee (Chair, John Horel). A BAMS article summarizing the meeting is planned
- **AMS Washington Forum (AWF)**. April 12-14, 2016, Washington, D.C. The [Forum](#) theme is "Leveraging Environmental Intelligence to Enhance Risk Management". It is organized by the BEED (Chair, Shawn Miller) with several CWWCE members and committees supporting the event. The CWWCE Steering Committee will meet on 11 April, the evening before the AWF.
- **Summer Community Meeting (SCM)**. July 19-21 2016, Tuscaloosa, Alabama. The theme is "[Water is Life: Societal Challenges & Enterprise Opportunities](#)". Organized by the BEC (Chair, Doug Hilderbrand) with several CWWCE members and committees supporting the event. The SCM will also highlight the National Water Center as a new national resource and enterprise opportunity and it will follow the NWS Partnership Meeting, which is scheduled for Monday, 18 July.
- **Fifth Symposium on the Weather, Water, and Climate Enterprise**, January 24-26, 2017, Seattle, Washington. The Symposium is organized by the BEST (Chair, Sheldon Drobot). The 2017 event planning is underway and will focus on a variety of important

topics being discussed across the CWWCE. The symposium planning team is also working to identify potential joint sessions with STAC committees.

- **Eighth Conference on Weather, Climate, Water and the New Energy Economy**, January 23-27, 2017, Seattle, Washington. This conference is organized by the Energy (Co-Chairs Brian D'Agostino and Lawrence Gloeckler), and Renewable Energy (Chair, Justin Sharp) Committees, which are under the BGS (Chair, Stephen Zebiak). There are also discussions occurring about supporting energy sessions within the 2017 Student Conference.

Special Committees

- **Ad Hoc Committee on Radio Frequency Allocations.** This committee, chaired by Jon Porter, is charged with discussing and exploring the necessity of and, if needed, path forward for updating the [AMS Statement on Radio Frequency Allocations](#), which was adopted by the AMS Council on 1 October 2009. The FCC is currently planning a frequency auction that will likely have a negative impact on the enterprise. The committee has prepared a draft précis, which is under internal review. If approved by Council, the next step is to support the development of a Statement Drafting Committee. The committee has also prepared an information [flyer](#) for the community and drafted an updated AMS/NWA joint [letter](#) to the FCC and policy makers (sent 1 March 2016) describing the use of the RF spectrum in hydro-meteorological applications and services. An AMS/NWA joint [letter](#) was also sent to selected policy makers on 17 July 2015. It is anticipated that the précis and drafting committee candidate slate will be ready for Council review in March 2016.
- **Ad Hoc Committee to Explore Climate Certification.** Per the discussion at the January Council meeting, a committee is being formed to explore the merits and potential impacts of creating an AMS certification program for climate change (mitigation and adaptation) consulting. This initiative is being coordinated with the EC, CWWCE, and Commission on Professional Affairs. The Board of Certified Consulting Meteorologists (BCCM) has identified a co-chair and a co-chair representing the American Association of State Climatologists (AASC) is being sought. It is anticipated that the co-chairs will be identified in March and then the rest of the committee membership will be filled out.
- **Policy Statement on Water Resources: Water Resources in the 21st Century.** The [précis](#) for this topic was approved in late fall and a call for Drafting Committee volunteers was disseminated. A Drafting Committee candidate slate was submitted to the Council Liaison, Dennis Lettenmaier, on 22 February and was approved by Council at the end of February. This activity arose out of the Water Resources Committee (Chair, Kathleen Miller) which is within the BGS.

Other Board and Committee Activities

The items below are committee and board updates and highlights, but do not cover the full complement of activities occurring within the CWWCE.

- **AMS Professional Services Directory.** The BEST's Climate Services Committee (Chair, Stephanie Herring) continues to work with AMS staff to launch a professional services directory. This new capability will be an outstanding resource for the Society and it's anticipated to be launched in the next 30-60 days.
- **Committee on Environmental Security.** The CES (Chaired by John Lanicci) is discussing the idea of preparing a BAMS article on environmental security and creating a Short Course titled "Climate Change and National Security: Exploring the Links", which would be part of the 2017 Annual Meeting.
- **Committee on Open Environmental Information Systems.** The COEIS (Chair, Ricky Rood) is exploring ideas that would highlight successes to date on the NOAA Big Data CRADA and other topics related to new paradigms related to open and big data and data sharing.
- **Committee on Effective Communication of Weather & Climate Information.** The CECWCI (Co-chairs, Bob Ryan and Jenn Disson) are in the process of identifying a specific weather topic and climate topic to focus on and may co-plan a session at the upcoming NWA fall meeting. Of particular interest is the process by which NWS experimental products are introduced and how feedback from the community is gathered and utilized.
- **Committee on Ecological Forecasting.** The CEF (Co-chaired by Juli Trtanj and Allison Allen) wants to bring the enterprise into a broader discussion on ecological service needs and opportunities. Sessions are being considered for the CWWCE Symposium and webinars may be organized this year.
- **Committee on Emergency Management.** The CEM (Co-chaired by Bob Goldhammer and Tanja Fransen) are supporting the RF Allocations Committee and also supporting the development of storm siren best practices being developed by emergency management associations and other stakeholders.
- **Weather Enterprise Economic Evaluation Team (WEEET).** Last fall, the committee discussed two options for updating the membership on work performed to date. These options included a BAMS article and/or a Statement. A committee meeting is being planned for 14 April following the AMS Washington Forum to discuss next steps. The February release of the [Ocean Enterprise Industry Study](#) provides important input to this discussion.

Attachment A CWWCE Organization Chart

2016 - AMS Commission on the Weather, Water, and Climate Enterprise

