

# ASCE/EWRI AWM SC: AN UPDATE ON STANDARDS AND GUIDELINES



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A division of the NDSWC

# Outline

- About ASCE/EWRI
- Committee Overview
- Current Activities
- Future Work
- Conclusions
- The Takeaway



# First things first

- ASCE/EWRI AWM SC – That's a terrible acronym
- Rearrange the letters and here's a few options:
  - AMASS ICE CREW
  - The website: WW.ICEM
  - R MACAWS SEW ICE



# About ASCE/EWRI

- American Society of Civil Engineers (ASCE) is America's oldest national engineering society, boasting membership of >140,000 worldwide
- The Environmental & Water Resources Institute (EWRI) promotes sustainable use, conservation, and protection of natural resources



# Committee Overview

- AWM SC has 15 members in four categories:
  - Consumers (20-40%)
  - Producers (20-40%)
  - General Interest (20-40%)
  - Regulatory (5-15%)
- Committee must have a minimum of 12 members



# AWM SC Officers

- Chair – Darin Langerud (CM)
- Vice Chair – Conrad Keyes, Ph.D. (CM)
- Secretary – Tom DeFelice, Ph.D. (CO)
  - Chair and Vice Chair must be ASCE or EWRI members
- George Bomar is the committee representative on the ASCE Standards Development Council



# ASCE/EWRI Documents

- ◎ Standard Practice documents
  - For the Design and Operation of Hail Suppression Projects (39-03)
  - For the Design and Operation of Precipitation Enhancement Projects (42-04)
  - For the Design and Operation of Supercooled Fog Dispersal Projects (44-05)
- ◎ ASCE Manual and Report on Engineering Practice #81, Guidelines for Cloud Seeding to Augment Precipitation (2<sup>nd</sup> edition)



# Current Activities

- ◎ AWM SC recently finished its second ballot of Hail Suppression Standard Practice Document 39-03
  - Chair will complete a report resolving individual committee member comments
  - 39-03 draft will (again) be revised and third ballot held within a couple of months
  - Once committee completes the document, it will go out for 45-day public comment period
    - Any substantive changes must be re-circulated to the committee





# Current Activities

- ◎ Supplement to Standard Practice for the Design and Operation of Supercooled Fog Dispersal Projects, 44-05
  - Editor - Tom DeFelice
  - First draft of the supplement is complete and will go to committee ballot in the next few weeks
  - A supplement is the preferred option when limited changes to the document are required
- ◎ Possible ANSI standard?



# Future Work

- Supplement to Precipitation Enhancement Standard Practice document (42-04)
  - Editor - George Bomar
  - Timeline: Begin second half of 2012



# Future Work

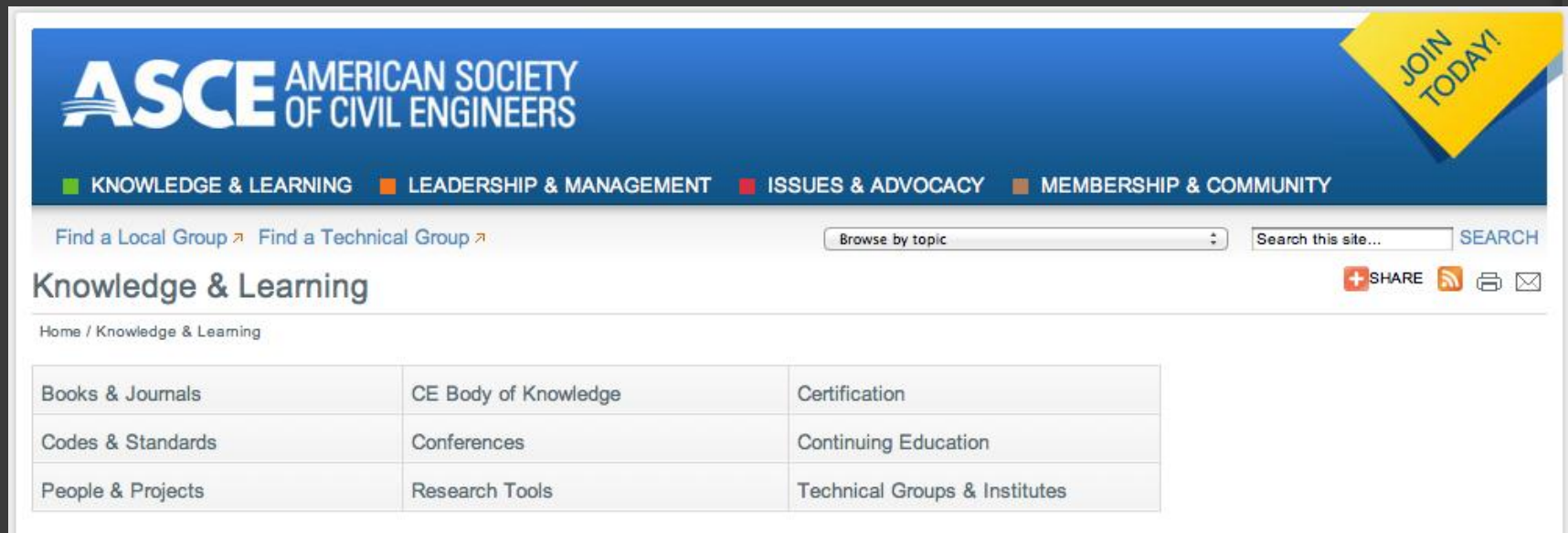
- Revision of ASCE Manual & Report on Engineering Practice #81
  - Editor – Conrad Keyes
  - Timeline: Begin second half of 2012
  - Completion of 3<sup>rd</sup> edition by 2015



# Conclusions

- Books and Standards can be purchased from the ASCE library

[www.asce.org/knowledgeandlearning/](http://www.asce.org/knowledgeandlearning/)



The screenshot shows the ASCE website's navigation and content structure. At the top, the ASCE logo and name are displayed. Below the logo, there are four main navigation categories: Knowledge & Learning, Leadership & Management, Issues & Advocacy, and Membership & Community. A yellow banner in the top right corner says "JOIN TODAY!". Below the navigation, there are links for "Find a Local Group" and "Find a Technical Group", a "Browse by topic" dropdown menu, and a search bar. The "Knowledge & Learning" section is highlighted, and a breadcrumb trail shows "Home / Knowledge & Learning". A table lists various resources available in this section.

Books & Journals	CE Body of Knowledge	Certification
Codes & Standards	Conferences	Continuing Education
People & Projects	Research Tools	Technical Groups & Institutes

# The Takeaway

- ASCE/EWRI documents synthesize the most current information on all aspects of weather modification technology and are a tremendous resource for the industry
- ASCE's institutional weight provides the weather modification field an important third-party endorsement



# Questions?

