



# Weather and Climate Enterprise Commission Annual Report 2009

Submitted by: E W (Joe) Friday, Commissioner

1 July 2009

The Commission continued to expand its activities and community-wide reach. The success of the commission is demonstrated by several sectors of our community approaching the commission and its boards to provide mechanisms for resolving issues. One notable example of this is the request by the renewable energy sector to provide a session at the Summer Community Meeting to discuss the issues developing in the provision of support to this growing sector. The attached reports from the Board chairs contain details of their activities and lists board and committee membership. Some highlights from these reports are as follows:

## **Board on Enterprise Communications (BEC)**

The AMS Board of Enterprise Communication (BEC) continues to be very active in 2009 under the leadership of Veronica Johnson..

The Committee on Climate Services (CCS) continues a high level of activity. Chair Ed O’Lenic of NOAA has been busy setting the agenda for future webinar sessions. A total of six webinars is planned covering various aspects of climate services. The first webinar is planned for September. In addition, CCS has begun working on a Town Hall for the AMS Annual meeting in Jan 2010.

Ad Hoc Planning Committee Co-Chairs John Gaynor of NOAA and Linda Miller of Unidata have continued to lead the effort in planning the Annual AMS Summer Community Meeting scheduled for August 10-13 in Norman, OK. This years meeting stresses two major topics:

**Topic 1: NRC Report Response - Objective:** This portion of the meeting will explore the way forward on each of the recommendations in the recent NRC BASC report on "Observing Weather and Climate From the Ground Up: A National Network of Networks." The discussions will provide useful input from the Weather and Climate Enterprise to the community leadership group which is focusing on implementing the recommendations of the report as it prepares for a summit of the stakeholders for a national network of networks.

**Topic 2: Renewable Wind and Solar Energy Needs and Enterprise Roles - Objective:** Major investments are being made in renewable energy technologies. Accurate prediction of wind and solar conditions are necessary to support these industries and to facilitate the adoption of renewables across the nation. The public, private and academic sectors of the weather & climate enterprise have a significant role to play in supporting the new energy economy. What are the pressing needs of this industry and what are the proper roles of each sector? This session is designed to explore these issues and set the stage for a broader community discussion.

The Ad Hoc Committee on Uncertainty in Forecasts (ACUF) is managed very effectively by co-chairs Paul Hirschberg of NOAA Elliot Abrams, CCM, of AccuWeather, and their designated NOAA assistant, Andrea Bleistein, and the committee was very active in 2008. A series of “Integration Meetings” and conference calls were held to pursue the aggressive charter. The final Enterprise Implementation Plan is still on track for review in the Fall of this year.

Proposal for an Ad Hoc Committee on Climate Change-“Improving Communication” (CCIC) Because it has become increasingly clear that there is a lack of any forum for people within the AMS to exchange their views on climate change, the BEC is examining the formation of an ad hoc committee will allow our society the ability to discuss "technical questions," and hopefully show that the AMS is open and inclusive to all its members. It is the BEC’s ultimate wish that communication with all of the Weather and Climate Enterprise be improved.

### **Board on Enterprise Economic Development (BEED)**

The BEED continues its very important work under the leadership of Pam Emch.

The BEED organized and successfully conducted the 2009 Public-Private Partnership Forum (PPPF) at the University of California Washington Center in Washington, D.C. from 21-22 April 2009. This year the agenda consisted of six sessions:

- Congressional Staff Panel Discussion
- OMB Examiner Panel Discussion
- Federal Agency Leadership Panel Discussion (DOC, NASA, DHS, DOE, FAA)
- Private Sector Leadership Panel Discussion (large and small company reps, “traditional” and non-traditional AMS areas)
- Recent Activities of the National Academies
- Community Priorities – Next Actions

Berrien Moore of Climate Central was the luncheon speaker; Rit Carbone of NCAR was the dinner speaker.

The Board successfully held the Seventh Users Forum during the Phoenix Annual Meeting. In keeping with the goals of the forum, speaker selection was focused on finding representatives from a variety of local/regional economic sectors who were

willing to discuss how weather and climate impacts their operations, how they use weather and climate information, and where there are gaps in service. The theme of this year's Users Forum was "Water Resources in the Urban Environment.

Intelligent Transportation System (ITS) and Surface Transportation Committee:

The ITS/ST Committee transitioned from the leadership of Paul Pisano to new chair Ed Boselly (Weather Solutions Group). The Committee met jointly with Intelligent Transportation Society of America's Weather Information and Applications Special Interest Group (WIA-SIG) during the AMS Annual Meeting. The session organized by the ITS/ST Committee at the Annual Meeting, Advances and Applications in Surface Transportation Weather (in the 25<sup>th</sup> IIPS Conference), was good and about 100 people attended. The Committee networks across several organizations including FHWA, NOAA, AMS, Transportation Research Board (TRB), American Association of State and Highway Transportation Officials (AASHTO), and State DOTs.

Energy Committee: Jon Davis (Chesapeake Energy) is continuing his leadership of the Energy Committee for an extended year. The committee met during the AMS Annual Meeting and had several telecons throughout the year. The session that the Energy Committee organized, Modeling Tools for Energy Production in Urban and Complex Terrain (in the 8<sup>th</sup> Symposium on the Urban Environment), although held on Thursday afternoon, was well attended by approximately 130 people. In addition, the Commission on the Weather and Climate Enterprise has suggested that the BEED Energy Committee be the nucleus for starting a new Renewable Energy Working Group / Committee. This topic is under discussion by the Energy Committee. Committee members represent several facets of the energy industry including oil, natural gas, wind, trading, exploration, and research.

Water Resources Committee: This committee is being formed at present under the leadership of Pam Emch as acting chair.

**Board on Enterprise Planning (BEP)**

Dr. Tim Spangler, CCM, continues as Chair of BEP

Mesoscale Observing Networks Annual Partnership Topic (APT): The Working group (WG) and Topic Committee have been on hold because of the related Academy study is completed. It is expected that the group will focus their discussions and report on test beds and business plans by summer of 2009.

See the Board report for details.

Building America's Resilience to Hurricane Disasters APT (Hurricane Disasters APT):

See the Board report for details. This APT was completed by the working group and presented to the Commission. Several suggestions were made by members of the Commission Steering Committee. The BEP has decided to form a small new committee

to edit the report and also update it with lessons learned from Gustav and Ike, after the official report from FEMA is available. The Committee was formed (Spangler, Massey, Lazo) and a revised report will come out during summer 2009.

New APT “Expanding the National Surface Observing Network – Realizing the Potential of Vehicle-based Observations”: The BEP discussed this proposed topic including issues of calibration, quality, and data assimilation techniques. The BEP agreed to recommend the topic to the commission for adoption and implementation, and the commission has approved this APT. The committee is being formed.

### **Commission Steering Committee (CSC)**

The CSC holds two meetings a year – one just prior to the Annual Meeting and one in association with the Summer Community Meeting. Guidance from the committee and approval of the APTs have been crucial to the success of Commission activities. We will continue to schedule meetings twice per year and conduct other business via e-mail. Membership of the CSC is as follows, with recommendations for the upcoming vacancies to be submitted to the Council in a separate document. (Terms expire in year in parentheses):

- **Voting members by position (6)**
  - **Joe Friday, CSC Chair, WCEC Commissioner (2012) Becomes Past Commissioner (2010-2012)**
  - **George Frederick, Past Commissioner (2010)**
  - **Len Pietrafesa, Future Commissioner (2014)**
  - **Pam Emch, BEED Chair (2011)**
  - **Tim Spangler, CCM, BEP Chair (2011)**
  - **Veronica Johnson, BEC Chair (2012)**
  
- **Senior members (voting) from the provider community (7)**
  - **Dr. Joel Myers, President and Founder of Accuweather(2012)\*\***
  - **Jack Hayes, Director, NWS(2011)**
  - **Tom Karl, NOAA/NCDC (2010)**
  - **Ray Ban, Sr. VP The Weather Channel (2011)**
  - **Steve Root, CCM, President WeatherBank & President CWSA (2011)**
  - **Jill Hasling, CCM, President NCIM (2011)**
  - **Sam Williamson, OFCM, (2010)**
  
- **Senior members (voting) from the user community (5)**
  - **Kevin Stewart, Chair of the National Hydrologic Warning Council (2012)**
  - **Dr Eve Grunfest, (2012)**
  - **Warren Qualley, Miterteck (2012)**
  - **Shelley Row, DOT, (2011)**
  - **Sean McGrath, WGA & Mayor of Boulder, (2011)**

- **At-large members (voting) to ensure diversity (4)**
  - **Todd Glickman, CBM, Associate Director of Corporate Relations, Massachusetts Institute of Technology (2011)**
  - **Dr. John Snow, CCM, Dean, College of Atm & Geogr Sciences, University of Oklahoma (2011)**
  - **Steve Harned, Executive Director NWA (2012)**
  - **Dr. Susan Avery, CCM, Woods Hole Oceanographic Institute (2012)**
  
- **Non-voting members by position**
  - **Keith Seitter, CCM, Executive Director AMS (N/A)**
  - **John Toohey-Morales, CCM, Professional Affairs Commissioner (2010)**
  - **Roger Wakimoto, STAC Commissioner (2010)**
  - **Eugene S. Takle, CCM, Education and Human Resources Commissioner (2012)**

Attachments: 3 (BEC, BEED, BEP Annual Reports)



# Climate and Weather Enterprise Commission Report

## Activities of the Board on Enterprise Communication (BEC) in 2009

June 11, 2009

Submitted by: Veronica Johnson  
Chair, BEC  
NBC-4  
Washington, DC

and

Matthew J. Parker, CCM  
Past Chair, BEC  
Savannah River National Laboratory  
Aiken, South Carolina

The BEC enjoyed another busy year . The following summary highlights BEC activities in 2009. An update of these activities will be provided to the Steering Committee of the Climate and Weather Enterprise by Commission (Joe Friday, Commissioner) at the AMS Summer Meeting Annual Meeting (Aug 10-13) in Norman, OK.

### **BEC Membership Summary**

The BEC is just months away from 5 members rotating off in 2010. We are currently looking to recruit candidates that will fill 2 private positions, 2 government positions, and one academic position. The table below summarizes the BEC membership in 2009.

## AMS Board On Enterprise Communication Membership

Member	Affiliation and Location	Tem Ends	Academic	Government	Private
1. Veronica Johnson, Chair	NBC4 in Washington, DC	2013			X
2. Matt Parker, CCM & Past Chair	SRNL, Aiken, SC	2010			X
3. Gina Eosco (grad student)	Cornell University, Ithaca, NY	2010	X		
4. Todd Anderson	Dominion Energy, Richmond, VA	2010			X
5. Tom Bellinger,, CCM	BWXT Y-12, Oak Ridge, TN	2010			X
6 .John Gaynor*	NOAA, Washington, DC	2010		X	
7. Ed O’Lenic**	NOAA, Washington, DC	2011		X	
8. Paul Hirschberg***	NOAA, Silver Spring, MD	2011		X	
9. Elliot Abrams, CCM***	AccuWeather, State College, PA	2011			X
10. Julie Demuth	NCAR Boulder, CO	2012	X		
11. Chris Vaccaro	NOAA, Washington, DC	2012			X
12. Gerald Dittberner, CCM	GJDittberner Science & Techn.	2012			X

**\*Co-Chair, Ad Hoc Planning Committee for the AMS Annual Community Meeting**

**\*\*Chair, Committee on Climate Services**

**\*\*\*Co-Chair, Ad Hoc Committee on Uncertainty in Forecasts**

### January 2009 AMS Annual Meeting in Phoenix, AZ

Past Chair, Matt Parker provided the 2008 BEC overview at the CWEC Steering Committee meeting. Additionally, meetings of the BEC, the Climate Services Committee and the Ad Hoc Committee on Uncertainty in Forecasts were held during the week.

In addition to these activities at the Annual Meeting, Chair Johnson acted as moderator on a session dealing with climate services at the 2009 Public-Private Partnership Forum sponsored by the AMS Board on Enterprise Economic Development. That meeting was held in Washington, DC in April 2009.

## Climate Services Committee (CCS)

Chair Ed O’Lenic of NOAA has been busy setting the agenda for future webinar sessions. In addition, CCS has begun working on a Town Hall for the AMS Annual meeting in Jan 2010.

The CCS has been in touch with the CCM board to come up with a collaborative concept and theme for 2009 webinars. The CCS approached the CCM because they are likely to offer opportunities to inform the community about successful efforts to deliver climate services.

The Current Proposition is for 6 Webinars (1 every 2 months)

These webinars will offer a forum to engage the community and collect feedback about the status and possible future of climate services.

A title of these webinars will find focus and follow.

Topic suggestions have included- extreme weather events, renewable energy and water. Water stands out as being one resource which everybody understands to be essential to our lives and economies.

The session format idea, would be to have 2 to 3 speakers and give them 10 minutes to

Speak during each webinar. A 30 minute discussion would follow. Using the notes for each webinar an article would be written and published in BAMS.

CCS is currently shooting for the first webinar in September.

## **Ad Hoc Committee on Uncertainty in Forecasts**

### Summary of committee activities:

ACUF held their Town Hall at the AMS Annual Meeting in Phoenix on Jan 13, 2009.

ACUF held their committee meeting at the AMS Annual Meeting Jan 14, 2009

***Integration Workgroups (5 working subgroups of ACUF with co-chairs Paul Hirschberg and Elliott Abrams include group leaders- John Gaynor, Better Morrow, Douglas Hilerbrand, Tom Hamill, Ross Hoffman, Bill Bua, John Sokich, Brenda Philips, and Neil Stuart)***

### Integration Workgroups held conference calls on the following dates:

Feb 27, 2009 - Discussion of roles and responsibilities for continued drafting and editing of ACUF Strategic Implementation Plan

March 10, 2009 – Status of ACUF draft Strategic Implementation Plan

March 18, 2009 - Request for ACUF scenarios to incorporate into ACUF Strategic Implementation Plan. Scenarios are currently being reviewed and edited.

Next Telecon is scheduled for June and will involve planning for the CWCW AMS Summer Community Meeting

### Future Prospects/New Initiatives

ACUF would like to report out on draft report to CWCE at AMS Summer Community meeting in August 2009

ACUF report review in Fall 2009

ACUF final report out at the AMS 2010 meeting in Atlanta

Membership: has not increased in 2009



<b>Subgroup 1:</b> Needs, opportunities, and benefits of providing hydrometeorological forecast uncertainty products and services to the Nation.	<b>Subgroup 2:</b> Enterprise goals for forecast uncertainty information, products, and services.	<b>Subgroup 3:</b> A description of what is needed to meet the goals and reach the vision.	<b>Subgroup 4:</b> Suggested roles and responsibilities of Enterprise partners, including coordination and governance mechanisms.	<b>Subgroup 5:</b> Enterprise-wide roadmap.
Bickford, Dan	Abelman, Steve	Abshire, Wendy	Biddle, Matthew	Ahlquist, Jon
Cetola, Jeff	Brown, Barbara	Alpert, Jordan	Bright, David	Browning, Peter
Demuth, Julie	Devaris, Aimee	<b>Bua, Bill</b>	Brooks, Gordon	Collins, Dan C
Deo, Jayant	Fishel, Greg	Carver, Mark	Eosco, Gina	Doswell, Chuck
Du, Jun	Hayes, Pat	Dulong, Tom	Ferree, John	Erickson, Mary
Dumais, Bob	<b>Hilderbrand, Doug</b>	<b>Hamill, Tom</b>	Hansen, Jim	Morss, Rebecca
<b>Gaynor, John</b>	Johnson, Mike	Heppner, Paul O. G.	Nutter, Paul	Smith, Leonard
Glahn, Bob	Lawson, Carlie	<b>Hoffman, Ross</b>	O'Hair, Dan	<b>Stuart, Neil</b>
Martin, Jennifer	Maier, Chris	Holmes, Eddie	<b>Philips, Brenda</b>	Tracton, Steve
<b>Morrow, Betty</b>	Manousos, Pete	Kuchera, Evan	<b>Sokich, John</b>	Woods, Bernadette
Satterfield, Dan	Meisner, Bernard	Myrick, Dave		
Sauter, Barbara	Novak, Dave	Niefeld, Daniel		
Westergard, Dick	Stewart, Alan	Payne, Steven		
Woll, Steve		Schultz, Paul		
		Schaake, John		
		Stillman, Dan		
		Toth, Zoltan		
Members not in Subgroups		Yun, Jimmy		Co-leads are in <b>BOLD</b>
<i>Hannan, John</i>				
<i>Kiley, Christopher</i>				
<i>Farrell, Robert</i>				

## The AMS Summer Planning Committee

Ad Hoc Planning Committee Co-Chairs John Gaynor of NOAA and Linda Miller of Unidata have continued to lead the effort in planning the Annual AMS Summer Community Meeting scheduled for August 10-13 in Norman, OK. Additional support and help with planning has come from John Snow (Host), Richard Eckman, Betsy Weatherhead, Cindy Schmidt, George Frederick, Matt Parker and Veronica Johnson. The Theme of this years meeting is “Observing Weather from the Ground Up – A National Network of Networks” & “Atmospheric Science’s Role in Renewable Wind and Solar Energy”

Planning for the summer meeting started in early January and followed with monthly conference calls. John Snow, Dean- College of Atmospheric Science & Geographic

Science , University of Oklahoma, NWC was gracious and offered to host the meeting at his facility.

By early April suggestions were made to add renewables to the summer agenda and open up discussion at the summer meeting. Melinda Marquis(NOAA, ESRL), Bill Mahoney (NCAR, WSAP) and Richard Eckman ( NASA) were brought in to make suggestions and provide feedback.

Information on the meeting can be found at:  
<http://www.ametsoc.org/Meet/fainst/2009summercommunity.html>

**Membership of the Ad Hoc Planning Committee for the AMS Summer Community Meeting is shown below.**

<b>Member</b>	<b>Affiliation</b>	<b>Term Ends</b>	<b>Academic</b>	<b>Government</b>	<b>Private</b>
1.John Gaynor**	NOAA, Washington, DC	2010		X	
2.Linda Miller*	UCAR	2010	X		

\*\*Co-Chair and BEC Member  
\*Co-Chair

**Proposal for an Ad Hoc Committee on Climate Change-  
“Improving Communication”  
(CCIC)**

Because it has become increasingly clear that there is a lack of any forum for people within the AMS to exchange their views on climate change, the BEC proposed the formation of an ad hoc committee will allow our society the ability to discuss "technical questions," and hopefully show that the AMS is open and inclusive to all its members. It is the BEC's ultimate wish that communication with all of the Weather and Climate Enterprise be improved.

It is our goal that this committee be focused on "activity" and the committee-centric-goals rather than self promotion of any of its members. The AMS Ad Hoc Committee on Climate Change "Improving Communication" (CCIC) will be comprised of 6 members, and represent the diversity within our community with strong consideration given to women and minority members. Discussions and input will include but not be limited to webinars, blogs and articles and will be presented in a nonpolitical environment. The BEC will submit a proposal to CWEC EC for review, solicit names of potential members, recruit members (6 total), and develop Terms of Reference (TOR).

**(End)**



## AMS Board on Enterprise Economic Development (BEED)

### Mid-Year Report 2009

**Submitted by: Pam Emch, Chair, AMS BEED**

### Membership Status

The current Board membership as of the summer of 2009 is listed below:

BEED Member	Organization	Sector*	Term Ends (Jan.)
Pam Emch, Chair	Northrop Grumman	P	2011
Robert Plante	Sasaki Institute	A	2010
Dorlisa Hommel	Noblis	P	2010
Richard Ohlemacher	Northrop Grumman	P	2010
Monica Hale	SAIC	P	2010
Andrea Bleistein	NWS	G	2011
Holly Hartman	University of Arizona	A	2011
John Henz	HDR Engineering, Inc.	P	2011
Eva Regnier	Naval Postgraduate School	A	2011
DeWayne Cecil	USGS; NASA LaRC	G	2012
Richard Eckman	NASA LaRC	G	2012
Dave Jones	Storm Center	P	2012
<i>Ex Officio</i> Member - Chair, ITS & Surface Transportation Committee– Ed Boselly (Weather Solutions Group)			
<i>Ex Officio</i> Member - Chair, Energy Committee – Jon Davis (Chesapeake Energy)			

\* AMS Sectors: A – Academic, G – Government, P – Private

### Primary Activities

**Board Meetings:** The BEED conducted meetings on the following dates:

- 12 January 2009 (Phoenix)
- 10 March 2009 (telecon)
- 5 May 2009 (telecon)
- 23 June 2009 (telecon, proposed)
- Mid-August 2009 (telecon, proposed)
- Mid-October 2009 (telecon, proposed)
- Mid-November 2009 (telecon, proposed)
- Mid-December 2009 (telecon, proposed)

**2009 Users Forum:** The Board successfully held the Seventh Users Forum during the Phoenix Annual Meeting. In keeping with the goals of the forum, speaker selection was

focused on finding representatives from a variety of local/regional economic sectors who were willing to discuss how weather and climate impacts their operations, how they use weather and climate information, and where there are gaps in service. The theme of this year's Users Forum was "Water Resources in the Urban Environment." The morning session was titled "Weather and Short-Term Decision Making in Water Resource Operations". The afternoon session was titled "Climate and Long-Term Planning of Water Resources". The last slot of each session served as a panel discussion for the session and an opportunity to summarize the session and talk about "where we go from here". Invited speakers included representatives from the Salt River Project in Phoenix, the City of Phoenix Water Services Department, Southern California Edison (SCE), California's Delta Vision Task Force, Arizona Department of Water Resources, the City of Tucson, NCAR, and the NWS Western Regional Headquarters. The speakers were engaging, the session chairs energetic, and the topics intriguing. Unfortunately, due to a combination of factors, the Forum was poorly attended with less than 20 in the audience including some of the speakers. The primary factor appears to be that as a "Forum" with invited speakers, often secured late in the year, this event falls outside some of the normal planning and advertising mechanisms for the AMS Annual Meeting. Typical AMS conferences and symposia secure speakers earlier via the submitted abstract system. The User's Forum is designed to provide a venue for (typically) non-AMS members to make presentations to interested AMS Annual Meeting attendees. The BEED and AMS are working on ways to prevent a repeat of the unfortunate circumstances that took place in 2009.

**2010 Users Forum:** The 8<sup>th</sup> Users Forum is scheduled for January 2010. It will be joint with several sessions – the First Conference on Weather, Climate, and the New Energy Economy, a lunchtime panel on NPOESS / GOES data and users, and possibly the CCM Forum. The Users Forum will also provide an opportunity to invite specific speakers on the New Energy Economy or another topic if desired, meaning that submitted abstracts would not be required.

**Public-Private Partnership Forum 2009:** The BEED organized and successfully conducted the 2009 Public-Private Partnership Forum (PPPF) at the University of California Washington Center in Washington, D.C. from 21-22 April 2009. This year the agenda consisted of six sessions:

- Congressional Staff Panel Discussion
- OMB Examiner Panel Discussion
- Federal Agency Leadership Panel Discussion (DOC, NASA, DHS, DOE, FAA)
- Private Sector Leadership Panel Discussion (large and small company reps, "traditional" and non-traditional AMS areas)
- Recent Activities of the National Academies
- Community Priorities – Next Actions

Berrien Moore of Climate Central was the luncheon speaker; Rit Carbone of NCAR was the dinner speaker. Overall the PPPF went very well - 92 people attended this year – a record. We had 79 registered in 2009 and not all attended. We received quite a few positive comments on the agenda, sessions, venue, speakers, interaction, etc. As with last year, we received accolades on the amount of time available for Q&A and networking.

This year the agency session was restructured into a panel format; this went well and both attendees and speakers indicated approval of the new format. The private sector session was very good – the downside was that few agency people were in the audience so that the cross-sector discussion was very limited.

**Public-Private Partnership Forum 2010:** Planning for the 2010 Forum began upon completion of the 2009 Forum. Discussions were held with the 2009 organizers and with the BEED. Comments from attendees were taken into account. The 2009 Forum was even more successful than last year in terms of the layout of the agenda, number and type of sessions, event venue, and the dinner venue. The UC Washington Center has already been reserved for several tentative weeks for the 2010 Public-Private Partnership Forum in late April 2010. The plan for 2010 is to repeat the successful aspects while working to improve on the following:

- Possible venue change. It is still very hard to secure the attendance of congressional staffers. This might be improved with a venue change and/or a change of the week of the PPPF relative to the Easter recess. There is a host of logistics associated with a venue change so this would have to be considered carefully.

**Intelligent Transportation System (ITS) and Surface Transportation Committee:**

The ITS/ST Committee transitioned from the leadership of Paul Pisano to new chair Ed Boselly (Weather Solutions Group). The Committee met jointly with Intelligent Transportation Society of America's Weather Information and Applications Special Interest Group (WIA-SIG) during the AMS Annual Meeting. The session organized by the ITS/ST Committee at the Annual Meeting, Advances and Applications in Surface Transportation Weather (in the 25<sup>th</sup> IIPS Conference), was good and about 100 people attended. Eight speakers were lined up – five from aviation and three from services. The committee met during the Annual Meeting and held telecon meetings throughout the year. Membership represents all AMS sectors and members are involved in several transportation weather activities including research, operations, and community service (supporting various surface transportation weather conferences, symposia, and workshops). One of the Committee's primary activities is sharing information and promoting cross discipline activities. The Committee networks across several organizations including FHWA, NOAA, AMS, Transportation Research Board (TRB), American Association of State and Highway Transportation Officials (AASHTO), and State DOTs.

	<b>ITS &amp; Surface Transportation Committee Member</b>	<b>Organization</b>	<b>Sector</b>	<b>Term Ends (Jan.)</b>
1	Ed Boselly, Chair	Weather Solutions Group	P	2012
2	Paul Pisano	USDOT/FHWA	G	2010
3	Jim O'Sullivan	NOAA/NWS	G	2010
4	Kevin Petty	Vaisala, Inc.	P	2010
5	Renee McPherson	Oklahoma State University	A	2010
6	Denise Stephenson-Hawk	Self-employed	P	2010
7	Jim Block	Meteorlogix	P	2011
8	Steve Conger	AvaTerra Services/Iteris, Inc.	P	2011
9	Kathy Osborne	Meridian Environmental Technologies, Inc.	P	2011
10	Tina Greenfield	Iowa DOT	G	2012
11	Sheldon Drobot	UCAR	A	2012
12	Mark Askelson	University of North Dakota	A	2012
<i>Ex Officio</i> , Chair, ITS America Weather Information and Applications Special Interest Group - Art Handman				
<i>Ex Officio</i> , Chair, Transportation Research Board Task Force on Surface Transportation Weather - Wilf Nixon				
<i>Ex Officio</i> , Federal Coordinator for Meteorology or designee – Judson Stailey				

**Energy Committee:** Jon Davis (Chesapeake Energy) is continuing his leadership of the Energy Committee for an extended year. The committee met during the AMS Annual Meeting and had several telecons throughout the year. The session that the Energy Committee organized, Modeling Tools for Energy Production in Urban and Complex Terrain (in the 8<sup>th</sup> Symposium on the Urban Environment), although held on Thursday afternoon, was well attended by approximately 130 people. The Committee continues to interface actively with NCDC on the Decadal Normals. The Energy Committee, along with NCDC, co-hosted a Webcast on optimal normals on June 2. This meeting helps cap off 2 1/2 yrs of effort focused on NCDC Decadal Normals. The Energy Committee has issued a call for papers for the First Conference on Weather, Climate, and the New Energy Economy that will take place at the January 2010 AMS Annual Meeting. The call was recently posted in BAMS. This summer the Energy Committee will be focused on organizing the conference. This is an extremely timely topic and will dovetails with the related AMS Summer Meeting theme of Renewable Energy. In addition, the Commission on the Weather and Climate Enterprise has suggested that the BEED Energy Committee be the nucleus for starting a new Renewable Energy Working Group / Committee. This topic is under discussion by the Energy Committee. Committee members represent several facets of the energy industry including oil, natural gas, wind, trading, exploration, and research.

	<b>Energy Committee Member</b>	<b>Organization</b>	<b>Sector</b>	<b>Term Ends (Jan.)</b>
1	Jon Davis, Chair	Chesapeake Energy	P	2010
2	Beth Stump	Chevron	P	2010
3	Rick Petty	DOE	G	2010
4	Cathy Finley	WindLogics, Inc.	P	2010
5	Kathleen Moore	Integrated Environmental Data, LLC	P	2010
6	Steve Bennett	Scripps	A	2013
7	Matt Coleman	Citadel	P	2013
8	Heidi Centola	AWS – Weatherbug	P	2013
9	Russ Bigley	Xcel Energy	P	2013
10	Anthony Arguez	NCDC	G	2013
11	Jerry Crescenti	Iberdrola Renewables	P	2013

**Water Resources Committee:** At the BEED meeting held 21 January 2008 during the AMS Annual Meeting possible focus areas for new BEED committees were discussed. It was decided to initiate a new BEED Water Resources Committee. Activities thus far have focused on discussing the Terms of Reference for the Committee, the range of representation from across the enterprise that should be encompassed within the committee, and collecting recommendations for members. In order to ultimately create a slate of members with staggered terms, the BEED plans to start with 8-9 members on this committee in 2009 with the remaining 3-4 members to start in January 2010. However, as of this date membership selection has not yet begun. Pam Emch, BEED Chair, will act as Chair of the Water Resources Committee until a suitable replacement can be found.

### **Miscellaneous Activities**

**BEED Website:** The BEED website has been updated and the format altered somewhat. Overall the website format is now similar to the BEC website format. The website is here:

<http://www.ametsoc.org/boardpges/beed/index.html>

**Commission Executive Committee:** The BEED Chair participated in Commission Executive Committee Meetings and telecons throughout the year.

**Commission Steering Committee:** The BEED Chair participated in the Commission Steering Committee meeting held in January 2009.

### **Plans for 2010**

The primary plans for 2010 are listed below:

**Eighth Users Forum:** The BEED will plan, organize and conduct the Eighth Users Forum scheduled for January 2010, in conjunction with the Energy Committee's planning of the First Conference on Weather, Climate, and the New Energy Economy.

**Public-Private Partnership Forum:** The BEED will plan, organize and conduct the 2010 Public-Private Partnership Forum, which is tentatively scheduled for late April 2010.

**Commission Support:** The BEED will continue to work with the Commissioner, BEP, and BEC in planning and organizing various Commission and Board meetings.

**ITS/ST, Energy, and Water Resources Committees:** The BEED will continue to provide oversight to the ITS/ST, Energy, and Water Resource Committees.





## AMS Board on Enterprise Planning (BEP)

### Annual Report 2009

#### Membership Status

The current Board membership:

- Timothy Spangler (Chair), University Corporation for Atmospheric Research, (2010)
- Fred Carr, University of Oklahoma (2010)\*
- Bruce Telfeyan, Air Force Weather Agency (2010)
- Don Winter, Harris Corporation (2010)
- William Massey, Dewberry (2010)\*
- Kristina Peterson, University of New Orleans (2010)\*
- Bill Mahoney, NCAR (2011)\*
- Jim O'Sullivan, NOAA/NWS (2011)\*

\*members by virtue of involvement in an APT working group

#### Primary Activities

**Meetings:** The board held a meeting during the AMS 2008 annual meeting and email exchanges during the spring. Laura Furgione, the incoming chair, and Tim Spangler met in Washington on 19 May.

Laura will be considering names for two new members of the board.

**Mesoscale Observing Networks Annual Partnership Topic (APT):** The Working group (WG) and Topic Committee conducted a Town Hall Meeting [THM] at AMS in January 2007.

The Topic Committee Charge for the Mesoscale Observing Networks APT is:

- Criteria for Evaluating Potential Testbeds. Identify potential technical criteria for evaluating mesoscale observing network testbeds. Propose ways the criteria can be applied to rank order potential testbeds
- Business Models for Partnerships in Mesoscale Network Testbeds. Identify potential business models. Propose ways the business criteria can be applied in conjunction with the technical criteria to rank order potential testbeds
- Potential Mesoscale Network Testbeds. Identify potential mesoscale network testbeds that meet at least some of the technical criteria

- Recommended Mesoscale Network Testbeds. Recommend at least three mesoscale network testbeds

The WG chair/co-chairs are: Fred Carr (chair), Tim Spangler , Don Winter, and Bruce Telfeyan .

This working group has been on hold until the results of the related Academy study is completed. It is expected that the group will focus their discussions and report on test beds and business plans by summer of 2009.

## **Hurricane Disasters APT**

The working group held its town hall meeting at the January 2007 and 2008 annual meetings and completed a draft of its report in February 2008.

The Topic Committee Charge for the Hurricane Disasters APT is:

- [Private Sector Engagement] How can the private sector engage more fully in hurricane disaster prevention, preparedness and recovery actions nationwide?
- [High Risk Populations] How can we do more to protect the poor and most vulnerable in hurricane disasters?
- [Educating the Enterprise] What can be done to better educate the Enterprise on responses to forecasts and warnings for hurricanes

The BEP Chair solicited comments from the Board and the Commission, and then sent suggested edit and comments on the report to the APT committee. The APT topic committee did not. The BEP has decided to form a small new committee to edit the report and also update it with lessons learned from Gustav and Ike, after the official report from FEMA is available. The Committee was formed (Spangler, Massey, Lazo) and a revised report will come out during summer 2009.

**Proposed APT “Expanding the National Surface Observing Network – Realizing the Potential of Vehicle-based Observations”:** The BEP agreed to recommend the topic to the commission for adoption and implementation, and the commission approved the topic at the AMS annual meeting.

Under the oversight of Bruce Telfeyan, Bill Mahoney and Jim O’Sullivan have agreed to co- chair the topic committee. The original APT proposers suggested the following names for the committee: Paul Pisano (DOT), Ed Boselly, Andy Stern (NWS), Pat Kennedy (FHWA), Kevin Petty (NCAR), Leon Osborne (Meridian Technology), Brenda Boyce (Mixon/Hill), and additional members from Academia and the Private Sector. The Co-chairs are in the process of building the committee.

**Visioning activity for NWS:** a proposed on line forum that would solicit views and suggestions from the Weather Enterprise that could be used as input to the NWS strategic plan. The Board agreed to work with Ed Johnson, NWS Office of Strategic Planning, on this effort and Don Winter agreed to be the board focal point. For legal reasons, AMS will need to be in control of this process and seek advice from Ed. Our goal was to enlist

participants by April, have the Charrette completed by mid-summer, and report to the Commission at the Aug 10-12 meeting.

The NWS has not completed the approval process, and so this activity is on hold.

**New APT:** An open invitation to submit APT nominations to the CWCE web site will be established. The BEP will review the applications and make recommendation to the commission during its summer meeting.