

**National Windstorm Impact Reduction Program (NWIRP)
National Advisory Committee on Windstorm Impact Reduction (NACWIR)**

Meeting Summary

July 31, 2017

**National Institute of Standards and Technology (NIST)
Gaithersburg, Maryland**

MEETING PARTICIPANTS

NACWIR Members:

Walker Ashley	Northern Illinois University
John Boudreaux	Assumption Parish Office of Homeland Security and Emergency Preparedness
Wanda Edwards	RCI, Inc
Katherine Grieg	New York City Office of Recovery and Resiliency
Forrest Masters	University of Florida
Kishor Mehta	Texas Tech University
Walter Peacock	Texas A&M University
Tim Reinhold, <i>Chair</i>	Insurance Institute for Business and Home Safety
Donald Resio	University of North Florida
Donald Scott	PCS Structural Solutions
Kevin Simmons	Austin College
Thomas Smith	TLSmith Consulting, Inc.

Windstorm Working Group (WWG)

Dana Bres	Department of Housing and Urban Development
DaNa Carlis	National Oceanic and Atmospheric Administration
Marc Levitan	National Institute of Standards and Technology
Chungu Lu	National Science Foundation
Ted Mansell	National Oceanic and Atmospheric Administration
Jacqueline Meszaros	The Office of Science and Technology Policy
Shirley Murillo	National Oceanic and Atmospheric Administration
Long Phan	National Institute of Standards and Technology
Mike Uhart	National Aeronautics and Space Administration
Jonathan Westcott	Federal Emergency Management Agency

NIST Staff

Jason Averill	Division Chief, Materials and Structural Systems Division
Joannie Chin, <i>DFO</i>	Deputy Director, Engineering Laboratory
Tina Faecke	Program Analyst, National Earthquake Hazards Reduction Program
Steve Potts	Program Analyst, NWIRP

Members of the Public

Eric Haefli	State Farm
-------------	------------

SUMMARY OF DISCUSSION

I. Opening Remarks

Dr. Joannie Chin, Deputy Director of the NIST Engineering Laboratory (EL), and Designated Federal Officer (DFO) called the meeting to order at 1:00 p.m. She welcomed the members of the NACWIR, the WWG, and the public, then turned the meeting over to Dr. Tim Reinhold, Chair of the NACWIR.

Dr. Reinhold stated that the Committee will review and edit the draft document titled “Assessments and Recommendations on: Trends and Developments Affecting Practices of Windstorm Impact Mitigation and Priorities of the National Windstorm Impact Reduction Program’s Strategic Plan.” This draft document was based on the work done at the June 27 and 28 NACWIR meeting, and subsequent revisions sent by Committee members.

II. Summary of Discussions

Reinhold noted that 5 people sent in forms with the voting information he requested regarding recommendations vs. suggestions. The results were that objectives 5, 11, and 14b in the draft document are the only three that had several votes for making it a suggestion, instead of a recommendation.

Reinhold also noted that he received edits from 4 people on the draft document and another just came in. He will walk through the document with the Committee to see if there’s any disagreements. He stated that the Committee needs to spend some time at this meeting discussing the recommendations/suggestions that came in with responses.

Reinhold asked to have the document on the screen for people to see. Edits were made to the draft document in real time.

III. Planning for the August 23-24 Committee Meeting

Following edits to the Assessments and Recommendations document, the draft Agenda for the August 23-24 meeting at NIST was discussed.

Reinhold noted the Committee is close to wrapping up 1) trends and 2) strategic priorities, two out of the 5 areas assigned to the Committee by Congress. Reinhold stated that at the next meeting, the Committee can finalize this part of the report. He described the structure of the next meeting as consisting of the following:

- Most of the first day will be focused on presentations from the 4 NWIRP agencies on Program activities and accomplishments, to help you evaluate the effectiveness of the Program.
- In each presentation block, there will be:
 - about 1 hour for the presentation,
 - time for questions/answers, and
 - time for initial Committee discussion of activities going on with agencies.
- After the individual agency presentations, there will be time for a discussion of overall effectiveness.
- On the second day, Dr. Levitan will give a presentation on the coordination between different agencies.
- The remaining 2/3 of the second day will be reserved for report preparation. The Committee will also have time to finalize the first part of the report that we'll be working on.

Levitan noted that at the last meeting, there were two requests from Committee members for presentations from participating agencies:

- 1) From the Department of Housing and Urban Development (HUD) on manufactured homes, because of the disproportionate risk of fatalities, and
- 2) From the Federal Emergency Management Agency (FEMA) to learn about the technical and other challenges associated with pinging of cellphones to locate disaster survivors after large events like Hurricane Katrina.

Levitan is working with WWG members from HUD and FEMA to identify appropriate speakers.

Reinhold asked for additional requests.

- A Committee member indicated that it might be important to get more information on injuries and fatalities during events.
- Levitan indicated that he had just met with colleagues from the National Institutes of Health (NIH) and the Centers for Disease Control (CDC) at the Natural Hazards Workshop earlier in July. He briefed them on NWIRP and the draft Strategic Plan, and discussed research and data collection needs related to windstorm fatalities and injuries.
- A Committee member asked if we could reach out to them and see if someone can give a presentation at the meeting to see what the current activities are. Specifically, the

Committee would like to hear what information they collect. It would be good to know the different ways that injuries and fatalities occur, so we can evaluate vulnerabilities, and focus research into reducing vulnerabilities.

- Another Committee member suggested that if we have time on the agenda, it would be useful to discuss future research efforts on injuries and how we design buildings.

Reinhold suggested that it would be worthwhile to find someone who can tie the work of the NOAA and CDC together, since NOAA reports fatalities and injuries through its Storm Data program.

Levitan said he will reach out to CDC to attempt to identify a speaker.

Reinhold indicated that he would compile comments from the meeting, and any additional comments Committee members send within the next two days, and send a revised draft to the Committee the following week.

IV. Adjournment

Meeting adjourned at 3:15 pm.