1. **Welcome & Web Instructions**
   - Kait did welcome, instructions, purpose & ground rules.

2. **National Disaster Resilience Competition (Danielle Arigoni, HUD) – 20 Minutes** *(see slides)*
   - Get ahead of curve with resiliency in light of more extreme weather – 2/3rd of nation’s counties had presidential declaration in recent 3 year period.
   - Phase 1 – frame up unmet needs, ID vulnerabilities that led to risk
   - Phase 2 – a subset of phase 1 applicants expected to be invited; ID more specific long term actions (policy changes, plans, etc.)
   - Note details are in NOFA (Notice of Funding Availability), & NOFA info trumps anything inconsistent in slides
   - Hope applicants expand beyond replacing damaged buildings and look longer term & at how applied to other areas
   - Communities struggling with showing they meet threshold on unmet needs (resources being added – one webinar already posted)
   - MOU with Rockefeller to provide technical assistance (resilience academies early 2015)
   - Let HUD know if desired resources are not available on the noted websites
   - Kait: how can state contacts help? A – Reach out to the state technical assistance teams– HUD wants those teams as diverse as possible in terms of the background of Subject Matter Experts (SMEs). States are encouraged to reach out to their state’s Point-of-Contact for Each Eligible Jurisdiction as noted on the [Rockefeller website](#) to offer assistance to their state’s technical assistance team as subject matter experts in flood-related resiliency. Direct them to resources & offer assistance.

3. **TMAC Update (Sally McConkey) – 10 Minutes** *(see slides)*
   - ASFPM was very supportive of TMAC being “stood up”, Sally is ASFPM’s representative on TMAC
   - Mainly background topics covered in 1st & 2nd meetings; 3rd meeting later this week
   - Key roles: Reports due Oct 2015; input on standards for establishing the National Flood Mapping Program
   - Ways to see TMAC activities / resources & give input (can send formal letters and they’ll be read at meetings)
   - Traci Sears (MT): Concern about mapping population areas; know development coming (i.e. oil fields) and encourage TMAC to get ahead of that. A – will take back to committee; currently does include anticipated population

4. **273 Course Deployment (Kait for Chad Berginnis) 10 Minutes** *(see slides)*
   - Deadline to apply to host for this cycle is Friday, 12/5 for classes in Jan-March 2015
   - Reviewed how ASFPM assists, and host expectations
   - Bill Nechamen (NY): Can it be adjusted for higher state standards? A – Higher state standards can be covered in separate handout provided by the states, but cannot adjust the training itself

5. **ASFPM Membership (Kevin Currie) 10 minutes**
   - Kevin reviewed benefits: discounted webinars, newsletters, participation in voting for board members & serve on board/committees, provide input on national policy issues
   - State employees who are individual ASFPM members are eligible to be officers (most other ASFPM individual members are eligible to be in other board positions & involved in committees)
   - Agency membership option

6. **Upcoming Quarterly State Call / Web Meeting dates**
   a. March 17, 2015 @ 11:00am CT
   b. May 5, 2015 @ 11:00am CT
POLL / SURVEY of SHMOs
Wendy Blackwell asked: Are any SHMOs interested in meeting during the Atlanta Conference to discuss lessons learned and best practices? This would be in addition to the welcome social with the State Floodplain Managers. What do you think? Wendy@state.nm.us
## Attendee Report: Qtrly State Call / Web Meeting - December 2014

### # Attended 40  
**Training ID** 343-195-212

### Attendee Details

<table>
<thead>
<tr>
<th>Attended</th>
<th>Last Name</th>
<th>First Name</th>
<th>Email Address</th>
<th>What is your role within the state office?</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Angoni</td>
<td>Danielle</td>
<td><a href="mailto:danielle.m.angoni@hud.gov">danielle.m.angoni@hud.gov</a></td>
<td>N/A Housing &amp; Urban Development</td>
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</tbody>
</table>
State Floodplain Management & Mitigation Call / Web Meeting

December 2, 2014
11:00am Central Time
(12:00pm ET, 10:00am MT, 9:00am PT)
1. Welcome & Web Instructions (5 min.)
2. National Disaster Resilience Competition (20 min.)
3. TMAC Update (10 min.)
4. 273 Course Deployment (10 min.)
5. ASFPM Membership (10 min.)
6. Next call: March 17, 2015 @ 11:00am CT
NATIONAL DISASTER RESILIENCE COMPETITION
11:05AM – 11:25AM CT

Danielle Arigoni
Deputy Director, Office of Economic Resilience
U.S. Housing & Urban Development
National Disaster Resilience Competition

ASFPM State Contacts Webinar

December 2, 2014

U.S. Department of Housing and Urban Development
HUD support for resilient disaster recovery

• HUD has been allocated more than $45 billion in CDBG-DR by Congress since 2000
• HUD wants to invest CDBG-DR dollars not just to help communities rebuild – but to build back better and in a more resilient manner
  – Rebuild by Design
  – National Disaster Resilience Competition
National Disaster Resilience Competition

$1 billion in CDBG-Disaster Recovery funds

- Can be used for planning and implementation around resilience

At stake is also the many more billions of dollars that states and communities invest every day

- Water infrastructure
- Transportation systems
- Public buildings
- Housing
What are the competition goals?

1. To **fairly allocate** remaining PL 113-2 CDBG disaster recovery funds.
2. To **apply science-based and forward-looking risk analysis** to address recovery, resilience, and revitalization needs.
3. To **leave a legacy** of institutionalizing the implementation of thoughtful, innovative, and resilient approaches to addressing future risks.
4. To **provide resources to help communities plan and implement** disaster recovery that makes them more resilient to future threats while improving quality of life and making communities more resilient to economic stresses or other shocks.
5. To **fully engage stakeholders** about the impacts of climate change and to develop pathways to resilience based on sound science.
6. To **leverage investments from the philanthropic community** to help communities define problems, set goals, explore options, and craft solutions.
Eligible applicants
2-phase competition

**Phase 1**
Framing Unmet Recovery Needs, Vulnerabilities, and Community Development Objectives

- **NOFA PUBLISHED**
  - 9/17/2014

- **PHASE 1 APPLICATION DEADLINE**
  - 3/16/2015

- **PHASE 1 REVIEW PERIOD**
  - 60 DAYS (~2 MONTHS)

- **PHASE 1 WINNERS ANNOUNCED**
  - June 2015*

**Phase 2**
From Framing to Implementation

- **PHASE 2 APPLICATION DEADLINE**
  - October 2015*

- **PHASE 2 REVIEW PERIOD**
  - 120 DAYS (~4 MONTHS)

- **PHASE 2 WINNERS ANNOUNCED**
  - December 2015*

*Note: These dates are tentative and subject to change at HUD's discretion.*
## Competition rating factors

### Phase 1
- Capacity (25 pts)
- Need/Extent of Problem (25)
- Soundness of Approach (30)
- Leverage and Outcomes (15)
- Long-Term Commitment (5)

### Phase 2
- Capacity (20 pts)
- Need/Extent of Problem (20)
- Soundness of Approach (40)
- Leverage (10)
- Long-Term Commitment (10)
How is Phase 2 different from Phase 1?

Applicants invited to Phase 2 will submit a proposal for a *project* to implement based on the Phase 1 framing and idea.

- The project must be demonstrated to be feasible
- Benefit-cost analysis will be required for very large or multi-county projects
- Taking or committing to resilience-enhancing actions will enhance the competitiveness of Phase 1 and 2 proposals
- Also, the best applications will extend resilience beyond actions and areas eligible for NDRC assistance by leveraging, plans, and strategic long-term commitments
Threshold: Unmet Recovery Needs in Most Impacted and Distressed Areas

Most Impacted and Distressed area with Unmet Recovery Needs

• Funds are only to address unmet recovery needs (including related resilience) of most impacted and distressed areas that are located in eligible counties

• Unmet recovery needs in a most impacted and distressed area is a participation threshold – best applications will reach further.

• See existing and upcoming webinars on this threshold
Deadlines for Phases 1 and 2

• *Optional* -- Most impacted and Distressed and Unmet Recovery Needs threshold responses were due **November 3, 2014** for early review **Failure to submit or pass does NOT imperil your proposal in any way**

• Full Phase 1 applications due **March 16, 2015**

• If invited by HUD, you will submit your Phase 2 application 120 days after the date of your invitation letter (roughly **October 2015**).
Winning applications

NDRC

- Minimum NDRC grant amount is $1 million
- Maximum NDRC grant amount is $500 million

Reserve pool

- $30 million total for non-selected Phase 1 and Phase 2 applicants with demonstrated Unmet Recovery Needs.
- HUD will issue a separate Federal Register allocation Notice
- Maximum allocation $500,000 (for existing PL 113-2 CDBG-DR grantees)
- Maximum allocation $2.5 million (for those not previously awarded HUD funds under PL 113-2)

See NOFA for details
Rockefeller Technical Assistance

More info, including POCs, at:
Role for ASFPM State Contacts

1. Reach out to your state POCs to see how/if you can be helpful
2. Encourage them to participate in upcoming Rockefeller Resilience Summits:
   - Southeast Regional Academy | December 17 – 19, Atlanta
   - Great Plains Regional Academy | January 13 – 15, Kansas City
   - West Regional Academy | January 20 – 22, Seattle
   - Northeast Regional Academy | January 26 – 28, Boston
   - Midwest Regional Academy | January 28 – 30, Chicago
3. Direct useful resources to HUD to add to HUD Exchange website: https://www.hudexchange.info/cdbg-dr/resilient-recovery/
Where to get more info

HUD Information:
https://www.hudexchange.info/cdbg-dr/resilient-recovery/

Rockefeller Information:

Email:
resilientrecovery@hud.gov
Agenda

1. Welcome & Web Instructions (5 min.)
2. National Disaster Resilience Competition (20 min.)
3. TMAC Update (10 min.)
4. 273 Course Deployment (10 min.)
5. ASFPM Membership (10 min.)
6. Next call: March 17, 2015 @ 11:00am CT
TMAC UPDATE
11:25AM – 11:35AM CT

Sally McConkey, P.E., D.WRE, CFM
Past ASFPM Chair
Sally@Illinois.edu
Technical Mapping Advisory Council: Overview

SALLY MCCONKEY, P.E., CFM, D. WRE. - TMAC MEMBER
ILLINOIS STATE WATER SURVEY
PRAIRIE RESEARCH INSTITUTE
UNIVERSITY OF ILLINOIS
TMAC Overview

- The Technical Mapping Advisory Council (TMAC) is a Federal advisory committee that was established by the Biggert-Waters Flood Insurance Reform Act of 2012, 42 U.S.C. 4101(a), and in accordance with the provisions of the Federal Advisory Committee Act (FACA), 5 U.S.C. App. (92).

- TMAC’s original charge was amended by the Homeowner Flood Insurance Affordability Act of 2014, which the President signed on March 21, 2014.
<table>
<thead>
<tr>
<th>Member</th>
<th>TMAC Category</th>
<th>Title and Organization</th>
</tr>
</thead>
<tbody>
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<td>FEMA Designee</td>
<td>Director, Risk Analysis Division, FEMA</td>
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<tr>
<td>Juliana Blackwell</td>
<td>NOAA Designee</td>
<td>Director, National Geodetic Survey, National Oceanic and Atmospheric Administration (NOAA)</td>
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<tr>
<td>Nancy Blyler</td>
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<td>Richard Butgereit</td>
<td>State GIS</td>
<td>GIS Administrator, Florida Division of Emergency Management</td>
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<td>Mark DeMulder</td>
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<td>USGS National Geospatial Program</td>
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<td>John Dorman</td>
<td>State CTP</td>
<td>Director, Emergency Management Division, Geospatial and Technology Management Office, North Carolina State Government</td>
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<td>Leslie Durham</td>
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<td>Director, State Cooperating Technical Partner (CTP) Program and National Flood Insurance Program (NFIP), Alabama</td>
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<td>Mapping</td>
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<td>Mitigation and Recovery Administrator, Emergency Management Agency, State Government of Ohio</td>
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<td>Member</td>
<td>TMAC Category</td>
<td>Title and Organization</td>
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<td>Engineering</td>
<td>Registered Professional Engineer</td>
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<td>Howard Kunreuther</td>
<td>Risk Management</td>
<td>Professor of Decision Sciences and Public Policy, Department of Operations and Information Management, The Wharton School, University of Pennsylvania</td>
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<td>Surveying</td>
<td>President &amp; Owner, Cadastral Consulting, LLC</td>
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<td>DOI Designee</td>
<td>Deputy Chief, Office of Surface Water, Department of Interior (DOI)</td>
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<td>Cheryl Small</td>
<td>Flood Hazards Determination</td>
<td>Vice President of Operations, CoreLogic Flood Services</td>
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</table>
Consult with scientists and technical experts, other Federal Agencies, States, and local communities to develop recommendations on how to:
- ensure FIRMs incorporate the best available climate science to assess flood risks
- ensure that FEMA uses the best available methodology to consider the impact of:
  1) the rise in sea level
  2) future development on flood risk

Recommend to the Administrator how to improve in a cost-effective manner the accuracy, general quality, ease of use, and distribution and dissemination of FIRMs and risk data.

Recommend to the Administrator how to improve in a cost-effective manner the performance metrics and milestones required to effectively and efficiently map flood risk areas in the United States.

Recommend to the Administrator mapping standards and guidelines for Flood Insurance Rate Maps.

Recommend to the Administrator mapping standards and guidelines for data accuracy, data quality, data currency, and data eligibility.

Recommend to the Administrator how to maintain, on an ongoing basis, Flood Insurance Rate Maps and flood risk identification.

Recommend procedures for delegating mapping activities to State and local mapping partners.

Recommend to the Administrator and other Federal agencies participating in the Council methods for improving interagency and intergovernmental coordination on flood mapping and flood risk determination.

Recommend to the Administrator and other federal agencies participating in the Council a funding strategy to leverage and coordinate budgets and expenditures across federal agencies.

The FEMA Administrator shall implement a flood mapping program for the National Flood Insurance Program, only after review by the Technical Mapping Advisory Council, that, when applied, results in technically credible flood hazard data in all areas where Flood Insurance Rate Maps are prepared or updated. TMAC will deliver their review report to the Administrator and the Administrator must also submit the TMAC’s report to Congress.
(a) Reviewing, updating, and maintaining maps

The Administrator, in coordination with the TMAC established under section 4101a... shall establish an ongoing program under which the Administrator shall review, update, and maintain National Flood Insurance Program rate maps in accordance with this section.

(b) Mapping

(1) In general

In carrying out the program established under subsection (a), the Administrator shall—

(A) identify, review, update, maintain, and publish National Flood Insurance Program rate maps with respect to—

(i) all populated areas and areas of possible population growth located within the 100-year floodplain;

(ii) all populated areas and areas of possible population growth located within the 500-year floodplain;

(iii) areas of residual risk, including areas that are protected by levees, dams, and other flood control structures;

(iv) areas that could be inundated as a result of the failure of a levee, dam, or other flood control structure;

(v) areas that are protected by non-structural flood mitigation features; and

(vi) the level of protection provided by flood control structures and by non-structural flood mitigation features;
(b) Mapping

(1) In general (continued)

(B) establish or update flood-risk zone data in all such areas, and make estimates with respect to the rates of probable flood caused loss for the various flood risk zones for each such area; and

(C) use, in identifying, reviewing, updating, maintaining, or publishing any National Flood Insurance Program rate map required under this section or under the National Flood Insurance Act of 1968 (42 U.S.C. 4011 et seq.), the most accurate topography and elevation data available.

(2) Mapping elements

Each map updated under this section shall—

(A) assess the accuracy of current ground elevation data used for hydrologic and hydraulic modeling of flooding sources and mapping of the flood hazard and wherever necessary acquire new ground elevation data utilizing the most up-to-date geospatial technologies in accordance with guidelines and specifications of the Federal Emergency Management Agency; and

(B) develop National Flood Insurance Program flood data on a watershed basis—

(i) to provide the most technically effective and efficient studies and hydrologic and hydraulic modeling; and

(ii) to eliminate, to the maximum extent possible, discrepancies in base flood elevations between adjacent political subdivisions.
National Flood Mapping Program (continued)
42 U.S.C. § 4101b

(3) Other inclusions
In updating maps under this section, the Administrator shall include—

(A) any relevant information on coastal inundation from—
   (i) an applicable inundation map of the Corps of Engineers; and
   (ii) data of the National Oceanic and Atmospheric Administration relating to
        storm surge modeling;

   (B) any relevant information of the United States Geological Survey on stream
       flows, watershed characteristics, and topography that is useful in the identification of
       flood hazard areas, as determined by the Administrator;

   (C) any relevant information on land subsidence, coastal erosion areas,
       changing lake levels, and other flood-related hazards;

   (D) any relevant information or data of the National Oceanic and
       Atmospheric Administration and the United States Geological Survey
       relating to the best available science regarding future changes in sea
       levels, precipitation, and intensity of hurricanes; and

   (E) any other relevant information as may be recommended by the
       Technical Mapping Advisory Committee.
(c) Standards

In updating and maintaining maps under this section, the Administrator shall—

(1) establish standards to—

   (A) ensure that maps are adequate for—
     (i) flood risk determinations; and
     (ii) use by State and local governments in managing development to reduce the risk of flooding; and
   (B) facilitate identification and use of consistent methods of data collection and analysis by the Administrator, in conjunction with State and local governments, in developing maps for communities with similar flood risks, as determined by the Administrator; and

(2) publish maps in a format that is—

   (A) digital geospatial data compliant;
   (B) compliant with the open publishing and data exchange standards established by the Open Geospatial Consortium; and
   (C) aligned with official data defined by the National Geodetic Survey.

(d) Communications and outreach

(e) Community remapping request

The Administrator, on an annual basis, shall report to the Committee on Banking, Housing, and Urban Affairs of the Senate, the Committee on Financial Services of the House of Representatives, and the Office of Management and Budget on the—

(1) recommendations made by the Council;

(2) actions taken by the Federal Emergency Management Agency to address such recommendations to improve flood insurance rate maps and flood risk data; and

(3) any recommendations made by the Council that have been deferred or not acted upon, together with an explanatory statement.
More Information:

or

Google: Technical Mapping Advisory Council

▶ Meeting Information

▶ The TMAC is anticipated to hold six meetings within its first year. Publicly-accessible information in support of each meeting will be posted on this website. Notice of all meetings, as well as instructions for public comment, will be announced in the Federal Register.

▶ Available TMAC Meeting Agendas and TMAC Meeting Summary Notes.

▶ Next meeting December 4 & 5, 2014, FEMA Offices in DC
Questions?
TMAC Duties

As directed by Congress, the TMAC is charged with developing recommendations to the FEMA Administrator for FEMA’s flood mapping program to ensure that flood insurance rate maps reflect the best available science and are based on the best available methodologies for considering the impact of future development on flood risk.

Duties Include:

1. recommend to the Administrator how to improve in a cost-effective manner the—
   (A) accuracy, general quality, ease of use, and distribution and dissemination of flood insurance rate maps and risk data; and
   (B) performance metrics and milestones required to effectively and efficiently map flood risk areas in the United States;

2. recommend to the Administrator mapping standards and guidelines for—
   (A) flood insurance rate maps; and
   (B) data accuracy, data quality, data currency, and data eligibility;

3. recommend to the Administrator how to maintain, on an ongoing basis, flood insurance rate maps and flood risk identification;
(c) Duties (continued)

(4) recommend procedures for delegating mapping activities to State and local mapping partners;

(5) recommend to the Administrator and other Federal agencies participating in the Council—
   (A) methods for improving interagency and intergovernmental coordination on flood mapping and flood risk determination; and
   (B) a funding strategy to leverage and coordinate budgets and expenditures across Federal agencies; and

(6) submit an annual report to the Administrator that contains—
   (A) a description of the activities of the Council;
   (B) an evaluation of the status and performance of flood insurance rate maps and mapping activities to revise and update flood insurance rate maps, as required under section 4101b of this title; and
   (C) a summary of recommendations made by the Council to the Administrator.

(Public Law 112-141, div. F, title II, §100215, July 6, 2012)
Agenda

1. Welcome & Web Instructions (5 min.)
2. National Disaster Resilience Competition (20 min.)
3. TMAC Update (10 min.)
4. 273 Course Deployment (10 min.)
5. ASFPM Membership (10 min.)
6. Next call: March 17, 2015 @ 11:00am CT
273 COURSE DEPLOYMENT
11:35AM – 11:45AM CT

Chad Berginnis, CFM
ASFPM Executive Director
cberginnis@floods.org
• Began in Fall of 2013: ASFPM field deployed G273 Course
• 14 Classes in 14 States:
  ✓ 466 Registrants
  ✓ Resulting in 83* New CFMs

*data pending for 3 exams
Q1 Calendar Year 2015 – Now Open

- **Goal**: 5 courses each quarter
- Now seeking Chapter & State course hosts in **FEMA Regions: 1-3 & 5-10**

Q1 Application **DEADLINE**: 12/5/14

Link to APPLY:
https://www.surveymonkey.com/s/273_Host_Applic_Q1_2015

**QUESTIONS**: Contact Kait at 608-828-6325
kait@floods.org
ASFPM Provides:

• 1 or 2 course instructors
• Course manuals, exercises, presentation materials, certificates of completion
• Pre-approved CECs for CFMs attending the course
• Outreach fliers for promotion of class
• Promote event w/ASFPM contacts in your state
• CFM Exam on Friday following class
Previous G273 Course
State Co-Hosts

Bill Jones, Nebraska
Brian Cosson, Arizona
Christine Shirley, Oregon
Gary Heinrichs, Wisconsin
Ginni Melton, Wyoming
James Eto, California
Jamie Prochno, Colorado

Karen McHugh, Missouri
Les Thomas, Michigan
Michael Borengasser, Arkansas
Rob Palmer, Nevada
Steve Ferryman, Ohio
Tom Morey, Kansas
G273 Co-Host MUST Provide:

- ADA-compliant, no-cost facility for 5 week days M-F
- Audio Visual Equip. (laptop, LCD projector, easels, speakers, etc.)
- 1 qualified CFM to proctor exam Friday
- Attendee Registration & Communications
Co-Host MAY Provide:

- 1 qualified instructor to co-facilitate with ASFPM, preferably from the state office
- Break Refreshments and/or Lunch for attendees during the course (may charge minimal and optional fee)
- Request pre-approval for continuing education credits for Planners, Engineers, and/or Surveyors as appropriate in your state
1. Welcome & Web Instructions (5 min.)
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4. 273 Course Deployment (10 min.)
5. ASFPM Membership (10 min.)
6. Next call: March 17, 2015 @ 11:00am CT
ASFPM MEMBERSHIP
11:45AM – 11:55AM CT

Kevin Currie
ASFPM Member Services Coordinator
kevin@floods.org
Join ASFPM Today!

ASFPM membership application:

ASFPM member services summary:
Quarterly State Floodplain Management & Mitigation

Upcoming Qtrly Web Meetings

March 17, 2015 @ 11:00am CT
May 5, 2015 @ 11:00am CT