

National Capitol Region Hazus User Group Conference Call

Thursday, May 26, 2016 at 10am EST

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Thanks:

- Thanks to everyone who is attending the call today and for the presenter who shared with us.
 - o James Mawby (Dewberry)
Hazus and Planning for SLR Resiliency in Virginia Beach (slides 6-37)

Meeting Notes:

- **Call Details** – Meeting minutes, presentation and audio will be posted after the call (slide 2)
 - **Agenda** – (slide 3)
 - **Announcements** (slide 4-5)
 - o **Upcoming Hazus Courses**
 - **E313 Basic Hazus-MH & E172 Hazus-MH for Flood:**
 - **EMI Course Update Round 1:** These courses are being updated to Hazus-MH 3.0 and ArcGIS 10.2.2 (Slated to complete: Summer 2016. Courses ready during next slated occurrence)
 - **E176 Hazus-MH for Floodplain Managers:** July 18-21, 2016
 - **E317 Comprehensive Data Management for Hazus-MH:** August 29-September 1, 2016
 - **E179 Application of Hazus-MH for Disaster Operations:** September 26-29, 2016
 - **EMI Course Update Round 2:** These courses are being updated to Hazus-MH 3.0 and ArcGIS 10.2.2 (Slated to complete: Winter 2016/early 2017. Courses ready during next slated occurrence)
 - All virtual courses on the Esri website are being updated to Hazus 3.0 and ArcGIS 10.2.2
 - (15 courses) Slated on final delivery – Summer 2016
 - **EMI is moving forward with Virtual and Distance Training opportunities**
 - o **Geospatial Resources and Natural Hazard News**
Preparing for Disaster With the City Resilience Index
<https://nextcity.org/daily/entry/disaster-preparation-city-resilience-index>

Temblor (<http://www.temblor.net>) Provides a personal, immediate and credible source of seismic risk understanding and solutions for everyone. Temblor uses the best available public and government data sources and methods
- **Presentation** - Hazus and Planning for SLR Resiliency in Virginia Beach (slides 6-37)
 - o Analyze the impacts of two Sea-Level Rise scenarios and recurrent flooding to inform adaptation strategies and mitigation planning
 - Sea-Level Rise Scenario 1 = 20-40 year projection of 1.5ft rise

- Immediate actions developed from this analysis
 - Sea-Level Rise Scenario 1 = 50-80 year projection of 3ft rise
 - Evaluation of adaptive capacity will result from this analysis
 - Hazus Risk Analysis aims to:
 - Identify most vulnerable structures and which areas will have the greatest increases in flood losses due to sea-level rise
 - Evaluate how average annualized losses will increase with SLR; and
 - Establish a cost-benefit framework for evaluating mitigation options
 - Local Building Data Improvement
 - Cost/Valuation adjustments to account for Inflation
 - Filled data gaps using web-based mapping resources, neighborhood trends and Occupancy type cross-referencing
 - Foundation/construction type standardization/verification
 - Unknown COM/IND types defined via Google API
 - First Floor Height acquired through multiple sources
 - gaps filled with validated linear regression-based equation
 - Performed comparison of Hazus stock data and local GBS update
 - Illustrates need for updating stock data with local datasets and values
- **Visualization of the Month** - Temblor : Earthquake Damage, Faults, Liquefaction, Landslide, Seismic Hazard rank for home (slides 38-42)
- <http://signup.temblorapp.com/>
 - Provides a personal, immediate and credible source of seismic risk understanding and solutions. Temblor uses the best available public and government data.
 - Requires user to sign up with email and provide an address to evaluate property level seismic risk
 - Provides Liquefaction and Landslide susceptibility data to California addresses
 - User provides attributes about structure
 - Structure construction type, Year Built, Mortgage term, total area and cost to replace.
 - Estimated seismic damage and economic loss defined over 30 year mortgage
 - Probability of seismic impact compared to other threats
 - Provides estimated return on investment if structure is retrofitted/mitigated
 - The group identified that the web-viewer would benefit from the following additions:
 - Need to see other variables or contributors to risk
 - Not clear what is contributing to the risk score
 - Need to include an insurance component
 - How does the level of risk contribute to cost of insurance?
 - How does a mitigation action impact the cost of insurance?
 - Make this a multi hazard viewer
 - If it included flood, a subsidence vulnerability layer would be helpful

- Would be more valuable if you can compare multiple addresses or communities to understand relative local risk.
- **Available Outreach Materials & Hazus Contacts** – (Slides 43-44)

Related Documents/Links:

- This Month's Slide Deck with Audio Recording:
- http://www.usehazus.com/uploads/forum/May262016_NationalCapitolRegionHUG_Presentation.pdf
- All NCR HUG Recordings:
<http://www.freeconferencecalling.com/Recordings/Podcast.aspx?bridge=697620&accountid=1116753>

Useful Links:

[Hazus Download Page](#) on the Map Service Center

[User Release Notes](#) for Hazus-MH 3.0

[Hazus Modernization Factsheet](#)

[Dasymetric Data Overview](#) and [Flyer](#)

[Hazus-MH 2.1 Technical and User Manuals](#), the most current technical documentation for Hazus

[Hazus Online Download Tutorial and Quick Reference Guide](#)

[Foundation Height Flyer](#)

Hazus Outreach team email:

- New: hazus-outreach@riskmapcds.com

Next Call: Thursday, June 30, 2016 at 10AM ET / 7AM PT

- Conference # 1-302-202-1110
- Pass code # 697620
- Presentation: Charles Huyck (ImageCat, Inc) – Web based Earthquake Risk Assessment Tools