

National Capitol Region Hazus User Group Conference Call

Thursday, December 17, 2015 at 10am EST

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Thanks:

- Thanks to everyone who is attending the call today and for the presenters who shared with us.
 - o Larry Roth (ARCADIS) & David Groves (RAND): Risk Assessment Framework & Decision Support Tool - California Delta (slides 7-37)

Speakers:

- **Call Details** – Meeting minutes, presentation and audio will be posted after the call (slide 2)
- **Agenda** – (slide 3)
- **Announcements** (slide 4-5)
 - o Hazus Courses at EMI announced through September 2016 (training.fema.gov/emiweb)
 - Next Course - **E296 Application of Hazus-MH for Risk Assessment:** March 21-24, 2016
- **8th Annual Hazus User Conference**
 - o Atlanta Georgia –December 9-11, 2015
 - o Theme: "Hazus and the Emergency Management Life Cycle: From Practice to Policy."
 - o Presentations will be posted to the NCR HUG Use Hazus Page and to the Conference Web page
- **Geospatial Resources and News** (Slide 6)
 - o **HazusSite Specific Earthquake Data Resources –Developed by FEMA Region VIII**
<https://data.femadata.com/Hazus/Tools/>
https://data.femadata.com/Hazus/Tools/Hazus_Earthquake_Site_Specific_Data_Creation_Resource.s.zip
 - o **Virtual Training: Applying US National Grid for Decision Support in Search & Rescue**
<http://events.r20.constantcontact.com/register/event?oeidk=a07ebyn8tjx2b32c2e9&llr=nplxpbdab>
- **Presentation** - Risk Assessment Framework & Decision Support Tool
In the California Delta (slides 7-37) – DEMO not distributed
 - o **Development of Tool, tasked by Delta Stewardship Council - CA**
 - o Levees and Levee Protection
 - Current guidance
 - One percent AEP –NFIP (44FR 65.10)
 - 100-year level-of-protection (LOP)
 - Basis for certification and FEMA accreditation
 - LOP is not a safety standard
 - o Levees and Risk
 - Risk = Probability x Consequences
 - How do we measure risk?

- Expected Annual Fatalities and Damages
- Tolerable Risk Guidelines
 - Best practices identified by USACE and USBR (2015)
 - USACE Design and Construction of Levees(2016) will encourage risk assessment procedures
- California Delta
 - 160 levee failures since 1900
- State Assets
 - Eco Systems
 - Lives and Property
 - Water Supply and
 - Delta as a Place
- Risk Metrics (to evaluate potential risk to State Assets)
 - Expected Annual Damage (EAD)
 - Expected Annual Fatalities (EAF)
 - Water Supply Disruption
 - Harm to the Ecosystem
 - Harm to Delta as a place
- Evaluated Sea-level rise scenarios
 - 2012 as baseline'
 - 2030 nominal and High
 - 2050 nominal and High
- Calculated total potential risk from levee overtopping and impact to State assets
 - Measured correlation of results (Risk Metrics)
 - Determined which communities are most at risk based upon composite score and weighting of each asset
- Next Steps
 - Define Levee Investments
 - Evaluate Levee Investments
 - Rank investments by Risk Reduction
 - Identify delta levee investment portfolios

- **Visualization of the Month**

- Due to limited time on this call, we will resume the Visualization of the Month in January 2016. A graphic will be shared in advance of the call.

Related Documents/Links:

- 12/17/15 Slide Deck with Audio Recording:
http://www.usehazus.com/uploads/forum/December172015_NationalCapitolRegionHUG_Presentation.pdf
- All NCR HUG Recordings:
<http://www.freeconferencecalling.com/Recordings/Podcast.aspx?bridge=697620&accountid=1116753>

Next Call: Thursday, January 28, 2016 at 10AM EST

- Conference # 1-302-202-1110
- Pass code # 697620
- Presentation: TBD
- Presentation: TBD