National Capitol Region Hazus User Group Conference Call
Thursday, November 19, 2015 at 10am EST

Leader: Cynthia McCoy, FEMA Region X – Risk Analyst - 425.487.2241 - cynthia.mccoy@fema.dhs.gov
Thanks:

- Thanks to everyone who is attending the call today and for the presenters who shared with us.
    o Cynthia McCoy: Successful Launch of Hazus 3.0 & Supporting Documentation
      (slides 7-27)

Speakers:

- **Call Details** – Meeting minutes, presentation and audio will be posted after the call (slide 2)
- **Agenda** – (slide 3)
- **Announcements** (slide 4-6)
    o Hazus Courses at EMI announced through September 2016 (training.fema.gov/emiweb)
        ▪ Next Course - **E313 Basic Hazus-MH**: January 2016
- **8thAnnual Hazus User Conference**
    o Atlanta Georgia –December 9-11, 2015
    o Theme: "Hazus and the Emergency Management Life Cycle: From Practice to Policy."
    o Registration is free and you can reserve your ticket at http://www.hazusconference.com/
        ▪ **Accommodations**
            • The Emory Conference Center Hotel online group reservations:
              https://resweb.passkey.com/go/hazus
            • Reservations will be accepted based upon availability up **until NOV 20, 2015**.

- **Geospatial Resources and News** (Slide 6)
    o **New Maps Show World's Cities Disappearing Under Water**
      https://nextcity.org/daily/entry/maps-cities-future-flooding-climate-change
    o **Interactive Earthquake Map Shows Filipinos How Many People Will Die in Their Neighborhood**
      https://nextcity.org/daily/entry/interactive-earthquake-map-shows-filipinos-how-many-people-will-die-in-thei

- **Presentation** - Successful Launch of Hazus 3.0 & Supporting Documentation (slides 7-27)
- Please reference DRAFT supporting documentation -
  http://www.usehazus.com/uploads/forum/Hazus_Modernization_Fact_Sheet_3_0_DRAFT.pdf

    o **Task 3 (Released November 16, 2015): Hazus 3.0 Major updates**
        ▪ Migration of current database structure from Access (.mdb) and Personal Geodatabase
          (pGDB) format to SQL Spatial
        ▪ Migration of VB6 code in flood model to C# and .NET
        ▪ Dasymetric data now serving as the default for analysis
        ▪ Alignment with Benefit Cost Analysis (BCA) tool
        ▪ Updated SQL-compatible version of CDMS
        ▪ Repair of several major defects in block-level aggregation and the flood and hurricane
          models
    o **Major Functional Change** – State Databases

- State data downloads will be a single executable zip file containing both homogeneous and dasymetric datasets.
- Dasymetric dataset is now the default for analysis
  - All study regions will be created (aggregated) using the homogeneous data, however in Hazus Flood, dasymetric data will be used when analysis is performed. **If desired, flood analysis using homogeneous data can be done with some data manipulations.**
  - Aggregation **and** analysis for the Earthquake and Hurricane model will use homogeneous data **only**. These models aggregate at the census tract level and therefore do not make use of the dasymetric census blocks.
  - **The user will be responsible for identifying which dataset most accurately matches their jurisdiction's development pattern for current or future conditions**.

- Dasymetric data is the recommended dataset for Level 1 analysis, but users may have reasons to use the homogeneous blocks for analysis:
  - User-defined facilities (UDFs) are being included in the analysis, and one or more of the facilities falls outside of the dasymetric census block boundaries

  - User is conducting an inventory update and identify that new development has occurred on previously undeveloped land as reflected by the 2014 era NLCD data. In such a case, the user would need to manually edit or switch the datasets
    - **This process document will be shared, following FEMA HQ approval**

- **HAZUS 3.0 is available for download** on the Hazus page on the Map Service Center.
  - Users are no longer able to download Hazus-MH 2.2 from the MSC. If you would like to request an older version of Hazus, please contact the FEMA Map Information eXchange
  - Check out the Download Tutorial and Quick Reference Guide on the FEMA Document Library and the Getting Started Guide, also available in the Document Library.
- **When to Upgrade**
  - It is recommended that users do not download Hazus-MH 3.0 if they are in the middle of a project. Studies with regions that cannot be easily re-built should be completed on the current version of Hazus-MH prior to downloading the new software.
- **Windows and ArcGIS Compatibility**
  - Hazus-MH 3.0 is compatible with ArcGIS 10.2.2.
    - Other versions of ArcGIS is not supported.
  - Hazus-MH-3.0 is certified for Windows 7, 8, and 8.1.
    - Support for Windows XP has been discontinued.

- o Hazus 3.0 (Task 3) – Supporting Documentation
    - ▪ FAQ for Homogeneous and Dasymetric State Datasets
      Currently under review by FEMA HQ
    - ▪ Step by step process to switch from the Dasymetric default to Homogenous GBS
      Currently under review by FEMA HQ
    - ▪ DRAFT Hazus 3.0 modernization fact sheet -
      http://www.usehazus.com/uploads/forum/Hazus_Modernization_Fact_Sheet_3_0_DRAFT.pdf

- - **Visualization of the Month** (Slides 28-29)

    - o Flood UDF and Earthquake UDF results

        - ▪ User Group discussion on displaying UDF results to best communicate risk to community

            - • Provide as 3D model and flythrough animation

            - • Provide two separate deliverables – One for public meeting and one for individual homeowner or business/public building owner awareness

                - o Addresses challenges of delivering sensitive information to public

            - • Challenge when illustrating losses at an individual household or business location

                - o Focus on structure losses, rather than whole community impact

                - o Disregards margin of error in results

        - ▪ Discussions will be documented to develop a list of user supplied best practices for illustrating economic loss estimations for different stakeholders

Related Documents/Links:

- - 11/19/15 Slide Deck with Audio Recording:
  http://www.usehazus.com/uploads/forum/November192015_NationalCapitolRegionHUG_Presentaiton.pdf
- - All NCR HUG Recordings:
  http://www.freeconferencecalling.com/Recordings/Podcast.aspx?bridge=697620&accountid=1116753
- - Hazus application and state datasets direct download: https://msc.fema.gov/portal/resources/hazus
- - Hazus 3.0 Announcement & Modernization Fact Sheet (**DRAFT**):
  http://www.usehazus.com/ncrhug/announcements

Next Call: Thursday, December 17, 2015 at 10AM EST

- o Conference # 1-302-202-1110
- o Pass code # 697620
- o Presentation: James Mawby (Dewberry) – Hazus Conference Presentation
- o Presentation: TBD