

**Report Out Slides  
Fort Collins, CO  
September 22, 2016**

**Energy Committee**

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U.S. Department of Commerce



# Standing Committee Meeting Objective #1

- ***What first steps has the committee taken with the goal of providing products that support the six-steps in the NIST Community Resilience Planning Guide?***
  - Committee members have suggested documents for inclusion into the Resilience Knowledge Base (RKB)
  - We created a template for members to fill out upon submission:
    - Title
    - Short Executive Summary
    - Steps within the Guide that the document maps to
    - Recommendations/Thoughts why worthy of submission
  - Created an initial set of criteria to consider when evaluating proposed submissions

# Standing Committee Meeting Objective #1

- **Evaluation criteria** for potential document submission to the Resilience Knowledge Base (RKB):
  - High level
  - Guidance (not binding)
  - Group discussion
- **Criteria:**
  - Standard or industry accepted document
  - Readily available in the public domain
  - Company document
  - Sponsored by a credible entity
  - Timeliness
  - **Scalable to the local level**
- **Three levels of acceptance:**
  - **Initial rejection:** return to submitter for reasons why and provide a chance for clarification/justification
  - **Conditional acceptance:** if there are similar documents, request submitter provide additional review for committee to discuss potential inclusion
  - **Acceptance:** Agree to forward the document on to the CRPCC for inclusion into the RKB

# Submissions for Consideration

## Example – Measuring for Resilience for Distribution

\*\* Committee Member Chuck Hookham offers the following document for our collective consideration to add to the RKB:

- **TITLE:** Willis, H.W. and Loa, K., *"Measuring the Resilience of Energy Distribution Systems"*, RAND Corporation, Sponsored by U.S. Department of Energy, Office of Energy Policy and Systems Analysis, 28 pp., 2015.
- **BRIEF EXECUTIVE SUMMARY:** The Report was written in the wake of Super Storm Sandy to help the Department of Energy (DOE) establish a reasonable set of metrics for use in defining the state of energy distribution systems, after having defined historical metrics, their current use, and relevancy looking forward. The report provides a "state of the art summary" of tools and statistics from which a prudent framework and measurement can be established.
- **WHICH STEP(S) IT APPLIES TO:** Primarily Step 3, as its intention is to help define relevant metrics around how resilience is measured relative to a specific community.
- **RECOMMENDATIONS/THOUGHTS WHY WORTHY OF SUBMISSION:** Although written for the DOE, the document is an unbiased effort to introduce a means for metrics to be used to define the state of Energy Infrastructure to a specific geographical area. The content of this document has been used in downstream efforts by the DOE to define community resilience with focus on "energy distribution systems," so there are other more current works which should be included in the Database.

# Standing Committee Meeting Objective #2

- ***What are the gaps that the standing committee has identified as potential areas to contribute additional products to support communities in becoming more resilient?***
  - Create generalized forms of documents for use at any community level
  - Bodies of literature to address dependencies and interdependencies especially with regards to natural gas and primary fuels
  - High level documents (i.e. federal level) which provides good strategic direction but does not address operational implementation at the community level
  - Increase community understanding on processes and procedures on how to better access federal and state resources (i.e., FEMA resources for disaster recovery)

# Standing Committee Meeting Objective #3

- ***How is your committee planning to address the gaps? (i.e., What products are already being developed? What will be developed? What are your next steps?)***
  - Immediate steps are to continue gathering of documents to be considered for submission
  - Provide summary documents to NIST Fellows on what types of products are needed and what they need to cover

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