

**CITY OF JOPLIN
COUNCIL AGENDA ITEM**

ITEM: RS 2021-018 - Memorandum of Understanding (MOU) between the City of Joplin, the Center for Risk-Based Community Resilience Planning (CoE) and the National Institute of Standards and Technology (NIST) Engineering Laboratory.

MEETING DATE

November 1, 2021

ORIGINATING DEPT

Planning, Development & Neighborhood Services

SUMMARY

The NIST www.nist.gov is a federal agency that falls under the U.S. Department of Commerce. NIST helps fund the work of the CoE. The CoE is located at Colorado State University <http://resilience.colostate.edu/> They are currently developing a playbook and creating a software model called Interdependent Networked Community Resilience Modeling Environment (IN-CORE) that will assist communities that have experienced a disaster with resilience planning and with developing post disaster recovery strategies. Joplin is one of several communities that was asked by the CoE to help validate the metrics use in the IN-CORE model because of the city's experience in resilience planning and recovery after the May 2011 tornado.

The MOU defines the city's role and the NIST/CoE's role in the validation of the IN-CORE model. The MOU is in effect for up to a 36-month period. NIST/CoE will provide technical guidance, support and will help lead the planning effort of developing the playbook and validating the IN-CORE model. The city will establish the scope of the resilience planning effort and identify participants of the City's Resilience Team that will help validate the model. In creating the proposed City Resilience Team, City staff reached out to several individuals, agencies and organizations that were involved with the May, 2011 tornado resilience and recovery planning effort. The city received confirmation to participate in the model validation project from:

Joplin School District
Liberty Utilities
Missouri American Water Company
Spire Gas Energy
Missouri Southern State University
Freeman Health Systems
Rob O'Brian (O'Brian and Associates Consulting)
Harry S. Truman Coordinating Council
Community Clinic of Southwest Missouri
Jane Cage (Citizens Advisory Recovery Team Chairwoman)

Staff believes with this team's experience in disaster recovery planning and recovery that they can help contribute to the successful validation of the IN-CORE model.

BACKGROUND

The following resolution is a no cost Memorandum of Understanding (MOU) between the City of Joplin, the Center for Risk-Based Community Resilience Planning (CoE) and the National Institute of Standards and Technology (NIST) Engineering Laboratory

RECOMMENDATION

Staff recommends approval of the MOU with NIST and CoE.

ATTACHMENTS

RS 2021-018, MOU