

**The University of New Mexico
4th Annual Resilience Colloquium**

**Exploring Connections Between
Urban and Rural Communities
and Environments**



August 6th–7th, 2019

Tuesday, August 6th

7:30 am–8:00 am **Check-In, Late Registration, and Coffee in Stamm Commons, Centennial Engineering Center (CEC)**

8:00 am–8:10 am **Opening Remarks and Colloquium Goals (CEC Auditorium)**
Mark Stone, UNM Resilience Institute
Mahmoud Taha, UNM Civil, Construction & Environmental Engineering
U.S. Representative Debra Haaland

Session 1: Resilience Concepts and Discussions on Urban and Rural Systems

8:10 am–8:30 am *Overview of Resilience Concepts and Perspectives*
Dagmar Llewellyn, U.S. Bureau of Reclamation

8:30 am–8:50 am *Contextualizing Resilience in Rural Water Cultures and Institutions of the Southwest United States*
Benjamin Warner, UNM Geography and Environmental Studies

8:50 am–9:10 am *Rural Cosmopolitanism: Rethinking Economic Systems*
Manuel Montoya, UNM Anderson School of Management

9:10 am–9:30 am *Complexities of Building Resilience in the Peri-Urban Environment*
Ken MacClune, ISET International

9:30 am–9:50 am *Sustainability and Resilience in the Built Environment*
Heather Rosenberg, Arup

9:50 am–10:00 am **Coffee Break in Stamm Commons**

Session 2: Resilience Challenges and Opportunities for rural Communities and Environments

10:00 am–10:20 am *Sustainability and Environmental Justice for Native American Communities*
Janene Yazzie, Sixth World Solutions

10:20 am–10:40 am *Resilience and Challenges for New Mexico Acequias*
Paula Garcia, New Mexico Acequia Association

10:40 am–11:00 am *Challenges and Opportunities for Irrigation Districts*
Phil King, New Mexico State University

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- 11:00 am–11:20 am** *Overview of the New Mexico Dynamic Statewide Water Budget*
Sam Fernald, New Mexico State University
- 11:20 am–11:40 am** *Cultural Entrepreneurship as a Resiliency Strategy for Remote Communities: Lessons from Morocco, Canada and the USA*
Olaf Kuhlke, University of Minnesota Duluth
- 11:40 am–12:00 pm** *Development and Implementation of the 6p Resiliency Framework*
Kami Norland, Integrative Re-Sources
- 12:00 pm–1:00 pm** **Lunch in Stamm Commons**
Guest Speaker, U.S. Senator Tom Udall (CEC Auditorium)
- Session 3: A Vision for building Resilience in Rural Systems**
- 1:00 pm–1:45 pm** **Panel 1: Rural Perspectives on Measuring and Building Resilience**
Panel Convener: Jami Nunez, UNM Political Science
- 1:45 pm–2:45 pm** **Breakout 1: Rural Perspectives on Measuring and Building Resilience**
- 2:45 pm–3:00 pm** **Coffee Break in Stamm Commons**
- Session 4: Resilience of Sustainable Urban Systems**
- 3:00 pm–3:20 pm** *A Tale of Two Cities: Exploring Sustainability and Resilience Opportunities and Challenges*
Melissa Bilec, University of Pittsburgh
- 3:20 pm–3:40 pm** *Developing Standards and Approaches for Urban Resilience: Case Study—Beirut, Lebanon*
Caroline Field, Arup
- 3:40 pm–4:00 pm** *Assessing Drinking Water Utility resilience in Large Cities Through Infrastructure and Institutions*
Julie Padowski, Washington State University
- 4:00 pm–4:20 pm** *Returning Nutrients to Agriculture—A Role for Cities in a Circular Economy*
Jeremy Guest, University of Illinois—Urbana Champaign
- 4:20 pm–5:00 pm** **Panel 2: Resilience of Energy Systems**
Panel Convener: Representative Abbas Akhil, New Mexico State House of Representatives, District 20
- 5:00 pm** **Adjourn**

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Wednesday, August 7th

7:30 am–8:00 am Coffee in Stamm Commons

8:00 am–8:10 am Opening Remarks and Day 1 Recap (CEC Auditorium)
Mark Stone, UNM Resilience Institute
Representative Melanie Stansbury, New Mexico State House of
Representatives, District 28

Session 5: Learning from Change and Examples of Success

8:10 am–8:30 am *Drinking Water Underpins Rural and Urban Communities*
Heather Himmelberger, Southwest Environmental Finance Center

8:30 am–8:50 am *Resilient Transportation Systems for Planned Special Events in Urban and Rural Contexts*
Claude Morelli, UNM Civil, Construction & Environmental Engineering

8:50 am–9:10 am *Restoring Fire to Build Resilience in Western U.S. Forests*
Matt Hurteau, UNM Department of Biology

9:10 am–9:30 am *Partnerships for Landscape-Scale Resilience*
Lesli Allison, Western Landowners Alliance

9:30 am–9:50 am *The Rio Grande Water Fund: Creating Resilient Ecosystems and Communities in the Upper Rio Grande*
Collin Haffey, The Nature Conservancy

9:50 am–10:00 am Coffee Break in Stamm Commons

Session 6: A Vision for Building Resilience of Coupled Urban and Rural Systems

10:00 am–10:20 am *Building Resilience and Planning for Graceful Failure*
Karen MacClune, ISET-International

10:20 am–10:40 am *Resilience as a Lens for Governance*
Melinda Benson, University of Wyoming

10:45 am–11:45 am Panel 3: Building Urban and Rural Systems Resilience
Panel Convener: Thushara Gunda, Sandia National Laboratories

11:45 am–1:00 pm Lunch in Stamm Commons

Presentation in CEC Auditorium
Theodore Jojola and Michaela Shirley, UNM Indigenous Design + Planning
Institute

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Session 7: A Dialogue for a Path Forward

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| 1:00 pm–2:00 pm | Breakout 2: Rural Perspectives on Measuring and Building Resilience |
| 2:00 pm–2:50 pm | Panel 4: Bridging the Gaps Between Science, Policy and Activism
<i>Panel Convener:</i> Brittany Fallon, The Sierra Club |
| 2:50 pm–3:00 pm | Closing Remarks and a Path Forward |
| 3:00 pm–3:30 pm | Closing Coffee Break in Stamm Commons |
| 3:30 pm | Adjourn |