

Emergency Response Working Group Meeting

New Mexico Energy, Minerals, and Natural Resources Department (EMNRD)
Energy Conservation and Management Division (ECMD)

Purpose of Emergency Response Working Group Meetings

- Identify **emergency managers greatest concerns in an energy emergency and validate roles, responsibilities, and the flow of information sharing.**
- Dialogue will support development of an **Integrated Preparedness Plan** reflecting energy priorities for emergency management coordinators across the state and region, coordination between federal, state, local, and tribal partners, wider public-private integration, and next steps toward bolstering energy disruption planning and response.
- Inform the update to New Mexico's **State Energy Security Plan.**



Stakeholder Discussion

- 1) What are emergency managers greatest concerns in an energy emergency?
- 2) What information do you need to make decisions in an energy emergency?
- 3) What decisions are you making in an energy emergency?
- 4) What are the roles and responsibilities of local emergency management and what is the flow of information?





Introductions

Stakeholder Perspectives

Hazard Mitigation Assistance Programs

Next Steps

Introduction: Energy, Minerals, and Natural Resources Department Energy Conservation and Management Division



Jacqueline Waite

Bureau Chief, Energy Conservation and
Management Division

Introduction: Hagerty Consulting, Inc.



Katie Toskey

Project Manager



Gisele Lee

Regional Client Services Director



Justin Killingsworth

Mitigation Subject Matter Expert

Hagerty Consulting, Inc.

Emergency management and homeland security consulting firm with nearly 20 years experience supporting all levels of government and the private sector. Assists clients, like the State of New Mexico, prepare for, respond to, and recover from disasters and other emergencies.

Introductions

Please unmute and come on camera for the discussion.

- Name
- Organization
- Interest in energy preparedness and response

Registered Participants:

NM EMNRD ECMD (State Energy Office)

NM Department of Homeland Security and Emergency Management

NM Public Regulation Commission

Federal Emergency Management Agency (FEMA)

Cybersecurity and Infrastructure Security Agency (CISA)

Guadalupe County

City of Clovis

Village of Corrales

Pueblo de San Ildefonso

Santa Ana Pueblo

A grayscale background image of a desert landscape. In the foreground, there are several clumps of tall grass. The middle ground features rolling sand dunes, with a small figure of a person standing on one of them. In the background, there are silhouettes of mountains under a clear sky. The overall tone is serene and expansive.

Introductions

Stakeholder Perspectives

Hazard Mitigation Assistance Programs

Next Steps

Threats to All New Mexico Energy Sectors

Natural Hazards

Cybersecurity

Physical / Man Made

Asset Health

Supply Chain

Renewable Energy Transition

Natural Hazards

The U.S. Department of Energy identifies the following **natural hazards** as causing the greatest overall property damage in New Mexico between 2009 – 2019:

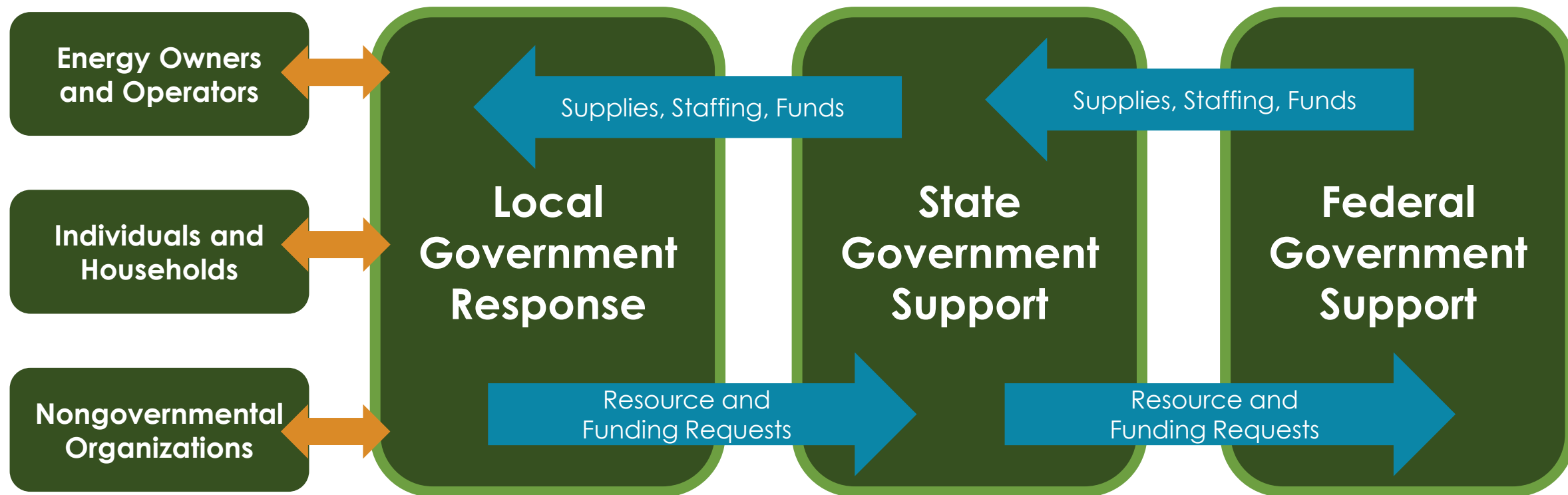
- **Winter Storms and Extreme Cold** (21 events costing \$39 million)
- **Wildfire** (five events costing \$7 million)
- **Flood** (33 events costing \$6 million)
- **Thunderstorm and Lightning** (113 events costing \$6 million)
- **Tornado** (9 events costing \$1 million)

Feedback to Threats and Vulnerabilities

- Validation of **natural hazards, physical security, asset health, and supply chain as priority areas of concern.**
 - Winter storms, extreme heat, drought, energy-water interdependency.
 - Maintenance of energy assets in rural and remote areas of the state.
 - Physical security of energy assets in rural and remote areas of the state.
- Recommendation that **the state's renewable energy transition be included to reflect concerns meeting energy demand during the transition of resources.**
- Emphasis on the **need for greater resources** to support energy security.

Energy Emergency Response Framework

All Incidents Start and End at the Local Level



NM EMNRD ECMD and the EEAC Team

- EMNRD ECMD is delegated to serve as the **New Mexico State Energy Office**.
- Serves as the **primary agency for coordinating communications during an energy emergency** per ESF #12. The **Energy Emergency Assurance Coordinator (EEAC)** Team has been created to fulfill this role.
 - Includes representatives from **NM EMNRD ECMD, NM Public Regulation Commission (PRC), and NM Department of Homeland Security and Emergency Management (DHSEM)**.
- EEAC Team representatives are points of contact with energy infrastructure owners, utility providers, DHSEM, DOE, FEMA and others concerning state efforts with energy security, energy emergency preparedness, energy conservation and energy efficiency efforts, and facilitating exercises on energy emergencies in concert with DHSEM.

EEAC Team Pre-Emergency Roles and Responsibilities

ECMD

- Conduct and lead periodic meetings with EEAC team representatives.
- Analyze energy sectors for vulnerabilities and risks.
- Identify system interdependencies and potential cascading failure points for use during an event.
- Identify new equipment or capabilities required to prevent and respond to new or emerging threats and hazards, or to improve the ability to address existing threats.
- Develop recommended energy conservation, reduction, and alternative measures for implementation to mitigate potential events.
- Develop and maintain NM SESP.
- Monitor energy sectors for potential disruption and notification to governor's office and EOC of a potential event.

PRC

- Coordinate with utilities to preplan for energy disruptions and recommend energy system preventive actions to address risks and vulnerabilities.
- Point of contact with energy sector owners, providers, and other agencies concerning state efforts with energy security, energy cybersecurity, energy conservation, energy efficiency and emergency response preparedness.
- Maintain current key points of contact for energy emergencies for inclusion in the SESP.
- Maintain trained agency personnel to support energy emergency response and support teams.
- Inform governor's office and EOC of potential energy events and recommend implementation of preemptive actions in the event of an energy disruption.

DHSEM

- Prepare and facilitate emergency training exercises for an energy event.
- Maintain trained agency personnel to support energy emergency response and support teams.

EEAC Team Emergency Roles and Responsibilities

ECMD

- Monitor event conditions and response efforts and coordinate information and assistance with other state support agencies and federal partners to better understand and respond to the event situation.
- Coordinate EEAC team efforts during an energy event to integrate information, provide situational awareness, review event for potential cascading failures and critical infrastructure interdependencies, assist with prioritization of service impacts if needed, and collaborate on recommendations for support and solutions during response and recovery operations.
- Provide trained staffing for support to the EOC ESF #12 desk and field operations, when required.

PRC

- Primary POC with EOC during an energy event providing information, support, assessment, and recommendations on actions to respond and recover from an emergency.
- Interface with representatives from utilities and other energy providers to acquire operational information to better understand resource and support needs to properly respond to and recover from the event.
- Provide trained staffing for support to the EOC ESF #12 desk and field operations, when required.
- Provide information on outages and estimates on time to restore utilities to EOC and ESF #12 desk and field operations.

DHSEM

- Primary response organization.
- Primary communications with local emergency management.
- Provide trained agency personnel to support EOC and ESF #12 desk and field operations, as needed.

Feedback to Energy Emergency Preparedness and Response

- Addressing **energy sector needs through traditional activities:**
 - Emergency Operations Plans
 - Hazard Mitigation Plans
 - Trainings and Exercises
- Best practices **for integrating with energy owners and operators:**
 - Local Emergency Preparedness Committees (LEPC) and Liaison Meetings that include oil, gas, and electricity in emergency operations planning.
 - Conduct trainings and exercises in collaboration with energy owners and operators.
 - Incorporate an energy industry subject matter expert into preparedness and response.
 - Co-invest with industry in energy mitigation activities.

Stakeholder Discussion

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Hazard Mitigation Assistance Overview

General Eligibility / Project Attributes

Project Types / Case Studies

Resources

FEMA Hazard Mitigation Assistance (HMA) Grants

HAZARD MITIGATION GRANT PROGRAM (HMGP)

Purpose: FEMA funded, State administered program and **directly** tied to a disaster declaration; break cycle of repetitive losses

Cycle: Post-Disaster

Local Match: 25%

Available DR Funding: Calculated by a percentage of incident expenditures over 12-month timeframe

BUILDING RESILIENT INFRASTRUCTURE AND COMMUNITIES (BRIC)

Purpose: FEMA funded, State administered program and **not** directly tied to a disaster declaration; high-impact, neighborhood scale projects

Cycle: Annual

Local Match: At least 25% or 10% for economically disadvantaged rural communities (EDRC)

FY 2022 Funding*: ~\$2.3B - nationally competitive program

FLOOD MITIGATION ASSISTANCE (FMA)

Purpose: FEMA funded, State administered program and **not** directly tied to a disaster declaration; reduce NFIP claims

Cycle: Annual

Local Match: 0%, 10%, or 25%

FY 2022 Funding*: \$800M - nationally competitive program

PRE-DISASTER MITIGATION (PDM) CONGRESSIONAL COMMUNITY PROJECTS

Purpose: FEMA funded, State administered program and **not** directly tied to a disaster declaration; break cycle of repetitive losses

Cycle: Annual (If Appropriated by Congress)

Local Match: At least 25% or 10% for small, impoverished communities

FY 2022 Funding*: ~\$154M – congressionally directed projects

NEW MEXICO



Energy, Minerals and Natural Resources Department

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General HMA Program Eligibility

Eligible – Feasible – Cost-Effective – EHP Compliant

- 1 Eligible subapplicant
- 2 FEMA approved & locally adopted mitigation plan
- 3 No construction or groundbreaking before grant award
- 4 Approved Notice of Interest (NOI)
- 5 Scope of Work with a clear level of protection increase
- 6 Mitigating natural hazards – not man-made (primarily)
- 7 Benefit Costs Analysis (BCA) (Benefit Cost Ratio over 1.0)
- 8 Non-Federal Cost Share (Local Match) (25%, 10%, 0%, depending on program)
- 9 Period of Performance (POP) of 36 months (BRIC/FMA allows 48 months, strong justification required)
- 10 Not dependent on other projects or funding sources (standalone mitigation solution)
- 11 Must comply with 2 CRF 200 and National Environmental Policy Act (NEPA)
- 12 Reimbursement based grant with eligible grant management costs and pre-award costs

Eligible:

Local governments, State agencies, cities, counties, special districts, tribal governments and private non-profits (**HMGP only**)

Not Eligible:

Businesses, individuals

Local Hazard Mitigation Plan

Entities seeking HMA funding **must** have a FEMA approved or be adopting participants of a Local Hazard Mitigation Plan (LHMP) or Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)

- If not, you must partner with an eligible local entity that has a current FEMA approved and adopted Local Hazard Mitigation Plan/Multi-Jurisdiction Hazard Mitigation Plan
- The Hazard Mitigation Plan must be FEMA-approved at the time of obligation of funds

BRIC/FMA/PDM:

The Hazard Mitigation Plan must be FEMA-approved and locally adopted at the application deadline **and** time grant award

Similar but Different Requirements

Hazard Mitigation Plan

Required for FEMA HMA funding

Stakeholder Engagement - cross-sector hazard mitigation partnership involvement

Risk Assessment – hazard profile for jurisdictional boundaries

Mitigation Strategy – actions to mitigate each profiled hazard

Energy Security Plan

Required for DOE – IIJA funding

Stakeholder Identification – evaluation and documentation of all energy stakeholders across sectors

Risk Assessment – energy infrastructure and cross-sector interdependencies

Risk Mitigation – actions to enhance reliability and end-use resilience

HMA Program Regulations – Duplication of Programs (DOP)

FEMA will not approve HMA funding if the authority lies with another Federal agency or program.



Agencies include:

- U.S. Fish and Wildlife Service (USFWS)
- Bureau of Reclamation
- Bureau of Land Management (BLM)
- Bureau of Indian Affairs
- US Department of Agriculture (USDA)
- U.S. Forest Service (USFS)
- Environmental Protection Agency (EPA)
- Department of Energy (DOE)

HMA Subapplication Types

<p>Planning</p>	<p>Activities include developing a new hazard mitigation plan or updating a current mitigation plan.</p>
<p>Planning Related</p>	<p>Activities include updating or enhancing sections of the current FEMA-approved mitigation plan (risk and vulnerability assessments), integrating information from mitigation plans with other planning efforts (disaster recovery, comprehensive plans, long-term community planning initiatives), building capacity through delivery of technical assistance and training, and evaluating adoption and/or implementation of ordinances that reduce risk or increase resilience.</p>
<p>Project (Shovel-Ready / Phased)</p>	<p>Activities involve construction and/or physical work. Examples include but are not limited to property acquisition demolition or relocation, flood risk reduction, infrastructure retrofit, structural elevation, structural seismic retrofit, hazardous fuels reduction, defensible space, and generator(s) (If benefit cost analysis (BCA) feasible). Typically, a shovel ready project includes construction activities only and already has completed a 60% design development, has all the sites identified, and has completed State environmental impact assessments. Phased projects include design activities (Phase I) and construction (Phase II).</p>
<p>Advance Assistance / Project Scoping</p>	<p>Activities include the planning and technical studies needed for the development of future shovel ready mitigation projects and future completed HMA subapplications. Advance Assistance can be utilized when the preferred alternative is not known. The activities typically seen in AA include seismic assessments, H&H / modelling, alternative analysis, feasibility studies, 60% design, EHP studies, BCA development, site selection, homeowner engagement, and a future project subapplication.</p>
<p>5% Initiative</p>	<p>Activities are defined as mitigation actions that meet all HMGP requirements but may be difficult to evaluate against traditional program cost-effectiveness criteria. Examples include early warning systems, post-disaster building code enforcement, public awareness and education for mitigation campaigns, hazard identification or mapping, new techniques/methods of mitigation and generator(s) (if protecting a critical facility and if there is insufficient data to evaluate a generator project using a standard HMA-approved Benefit-Cost Analysis (BCA) method).</p>

Competitive BRIC Attributes

- Building **codes** (IBC/IRC 2015 or higher)
- Protects **critical infrastructure**
- Addresses **ancillary benefits**
 - Improvement to air/water quality, public health, and the economic opportunity
- Benefits **socially vulnerable** and **disadvantaged communities**
- Incorporates **future conditions** and **climate impacts**
 - Climate impacts include sea level rise, drought, more precipitation, more frequent storms
- **Large-scale** community impact and benefit
- Includes **nature-based solutions**
- Public private **partnerships**
- **Overmatch** (30% non-federal cost share)
- **BCEGS** rating of 5/5 or lower (1/1)

Important Note:

Cyber activities are eligible under BRIC, but **must** accompany a natural hazard risk reduction mitigation project

National BRIC Statistics

- **~\$2.3 billion** available funding in 2022, \$1.3b increase from 2021
- 2021, the average project dollar amount is **\$15M** (smallest is **\$189K** and the largest is the program max at **\$50M**)
- 2021, **49%** of selected projects meet one or more of the Justice40 interim criteria
- Success rate of **14%** in 2021 – compared to **4%** in 2020
- BRIC 2020 included **one** competitive wildfire project funded and there were **no** heat or drought projects selected
- BRIC 2021, **one** wildfire, **three** heat, and **four** drought competitive projects were selected

Competitive FMA Attributes

- Entity **must** participate in the **National Flood Insurance Program** (NFIP) and not be withdrawn, on probation, or suspended
- Project activities **must** benefit **NFIP insured** structures
- Program prioritizes benefits to **Severe Repetitive Loss** (SRL) and **Repetitive Loss** (RL) properties
- Benefits **socially vulnerable** and **disadvantaged communities**
- Incorporates **future conditions** and **climate impacts**
- Includes **nature-based solutions**
- **Private partnership** cost share
- Entity participates in the **Community Rating System** (CRS) program
- Entity is a **Cooperating Technical Partner** (CTP)
- No property violations in the **National Violation Tracker**

Key Program Notes:

- **~\$800 million** available funding, \$640m increase from 2021
- Program is focused on **SRL** and **RL** protection
- Non-federal **cost share adjustments** based on RL / SRL property mitigation or benefits area with an SVI greater than 0.5001 – 25%, 10%, 0%
- Project benefitting area **must** include NFIP insured properties

PDM Profile

Congressionally Directed Spending

- Protects **critical infrastructure**
- Mitigates risk to **community lifelines**
- Benefits **socially vulnerable** and **disadvantaged communities**
- Incorporates **future conditions** and **climate impacts**
- Includes **nature-based solutions**
 - **10** of the 100 projects selected include greenways, open space, beach revitalization, climate resilience, and shoreline preservation
- Public private **partnerships**

Important Note:

Congressional delegation buy-in. Letter submitted to legislative affairs office.

Key Program Notes

- **~\$233 million** directed to 100 mitigation projects
- Projects selected by **Congress**
- Subapplication types include **Project Scoping** and **Projects** (construction)

Disadvantaged Communities

Justice40 Initiative – EO14008

Communities:

Either a group of individuals living in geographic proximity to one another, or a geographically dispersed set of individuals, where either type of group experiences common conditions.

Disadvantaged Communities:

Agencies should consider appropriate data, indices, and screening tools to determine whether a specific community is disadvantaged based on a combination of variables.



Justice40 Variables

- Low income, high and/or persistent poverty
- High unemployment and underemployment
- Racial and ethnic residential segregation, particularly where the segregation stems from discrimination by government entities
- Linguistic isolation
- High housing cost burden and substandard housing
- Distressed neighborhoods
- High transportation cost burden / low transportation access
- Limited water and sanitation access
- Disproportionate impacts from climate change
- High energy cost burden and low energy access
- Job lost through the energy transition
- Access to healthcare

Public-Private Partnerships

- Need to partner with an eligible HMA program subapplicant, “project sponsor”
 - Identify an eligible project that benefits the eligible entity
 - Identify additional potential partners to develop wholistic mitigation solution
 - Academia, local businesses, community-based organizations, private non-profits
 - Project provides significant ancillary benefits
 - Disadvantaged community protection
 - Whole community solution
 - Nature-based solution
- Cover the non-federal cost share (match) requirement (25%)



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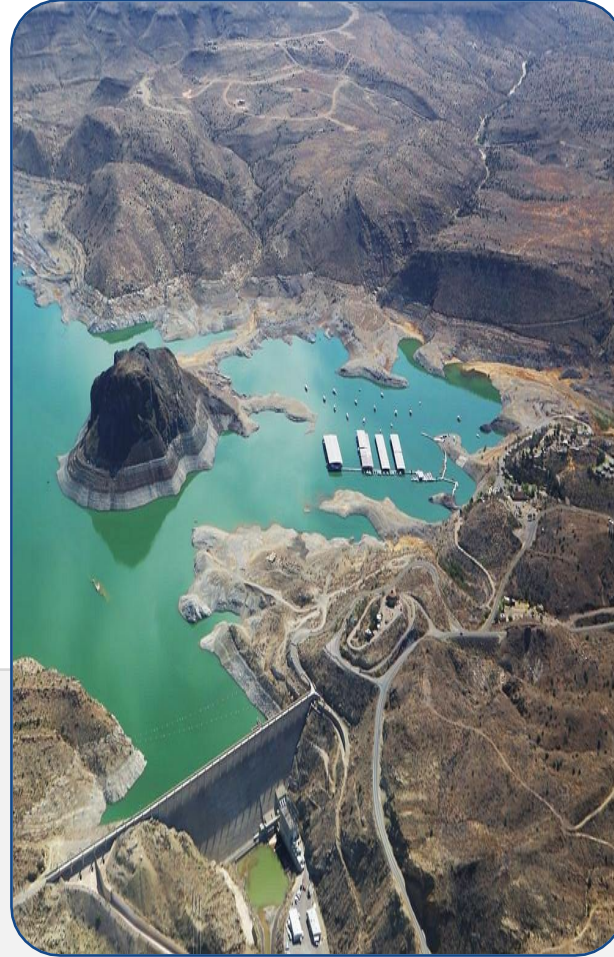
Hazard Mitigation Assistance Overview

General Eligibility / Project Attributes

Project Types / Case Studies

Resources

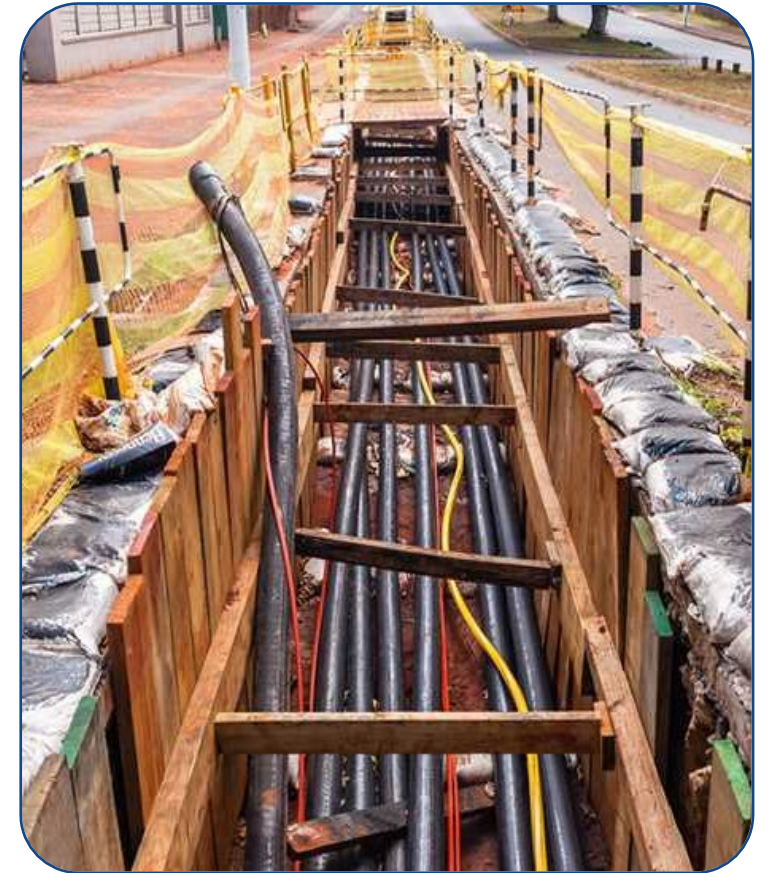
Mitigating Natural Hazards



Utility & Infrastructure Protection Mitigation Activities

Infrastructure, utility, and water/sanitary sewer system protective measures

- Undergrounding utility lines
- Hardening utility lines (reduce sparking)
- Flood risk reduction
 - Elevation
 - Floodproofing and flood diversion
 - Stormwater management/drainage
 - Infrastructure relocation



Case Studies: High Wind, Winter Storm, Wildfire

Nebraska and Kansas Electrical System Ice and Wind Storm Mitigation Projects

The Southwest Public Power District (SWPPD) and the City of Kiowa, KS completed two mitigation projects in the States of Nebraska and Kansas to address the impacts of winter storms/ice on electrical infrastructure. The improvements made in Nebraska included strengthening/replacing single poles and installing stronger conductors on an 11-mile stretch of 69-kilovolt lines along U.S. Highway 61. In Kansas, the City of Kiowa upgraded 15 blocks of power distribution infrastructure that supply power to approximately 1,200 customers. They replaced open conductors with insulated cables and installed lightning arrestors at connection points. In 2008, FEMA completed a study to assess the effectiveness of these projects and found that the infrastructure upgrades helped the states avoid significant losses from physical damage and loss of system function.

Regional Partnership Protects Power Transmission
This multi-jurisdictional approach to mitigation allowed Nebraska and Kansas to cooperatively protect critical energy transmission facilities to ensure uninterrupted power flow during heavy winter storms.



Ice covers electrical sources
Source: Shutterstock

Addressed Hazards

-  **PRIMARY HAZARD** Winter Storms
-  Tornadoes



Community Lifelines
Hover over the Primary Lifeline to learn more.



Safety & Security

PRIMARY LIFELINE



Energy
(Power & Fuel)



Project Highlights

- **\$1.5 million** – Total Project Cost
- **3 partnerships** – State, local and private
- Benefitting **1,200** customers
- **Reduces** overall damage to electricity infrastructure, increases **reliability**, increases **life-safety** benefits during winter events

Case Study: Winter Storm

Municipality: Elkhorn Rural Public Power District (Special District)

Amount of Award: \$2.3 million

Program: HMGP

Scope of Work: The project created a redundant path for electricity to over 10,000 residential electrical consumers. The project included tying two electrical substation sources together via 9 miles of Sub-Transmission line. The new line used storm-resistant construction materials consisting of Twisted Pair conductor (T2 4/0 ACSR) and iron poles. Much of the line will have another set of electrical wires to serve individual electrical consumers. This distribution line will also consist of storm-resistant type wire; twisted pair conductor (T2 1/0 ACSR). The twisted pair conductor is less susceptible to damage caused by ice and wind due to its construction.

Project Highlights

- **\$2.3 million** – Total Project Cost
- **3 partnerships** – State, local and private
- Benefitting over **10,000** customers
- Providing **reliable** power to a **rural** community

Case Study: Straight-Line Winds

Municipality: Imperial Irrigation District

Amount of Award: \$32 million

Program: BRIC

Project Description: The project will consist of storm hardening 28-miles of the 92 kV powerline. This segment of the line does not have any redundancies and is located in a high wind region. It will run from 15 miles north of the Niland Substation (Imperial County) to the Mecca Substation (Riverside County), including Bombay and North Shore Substations in between.

Project Highlights

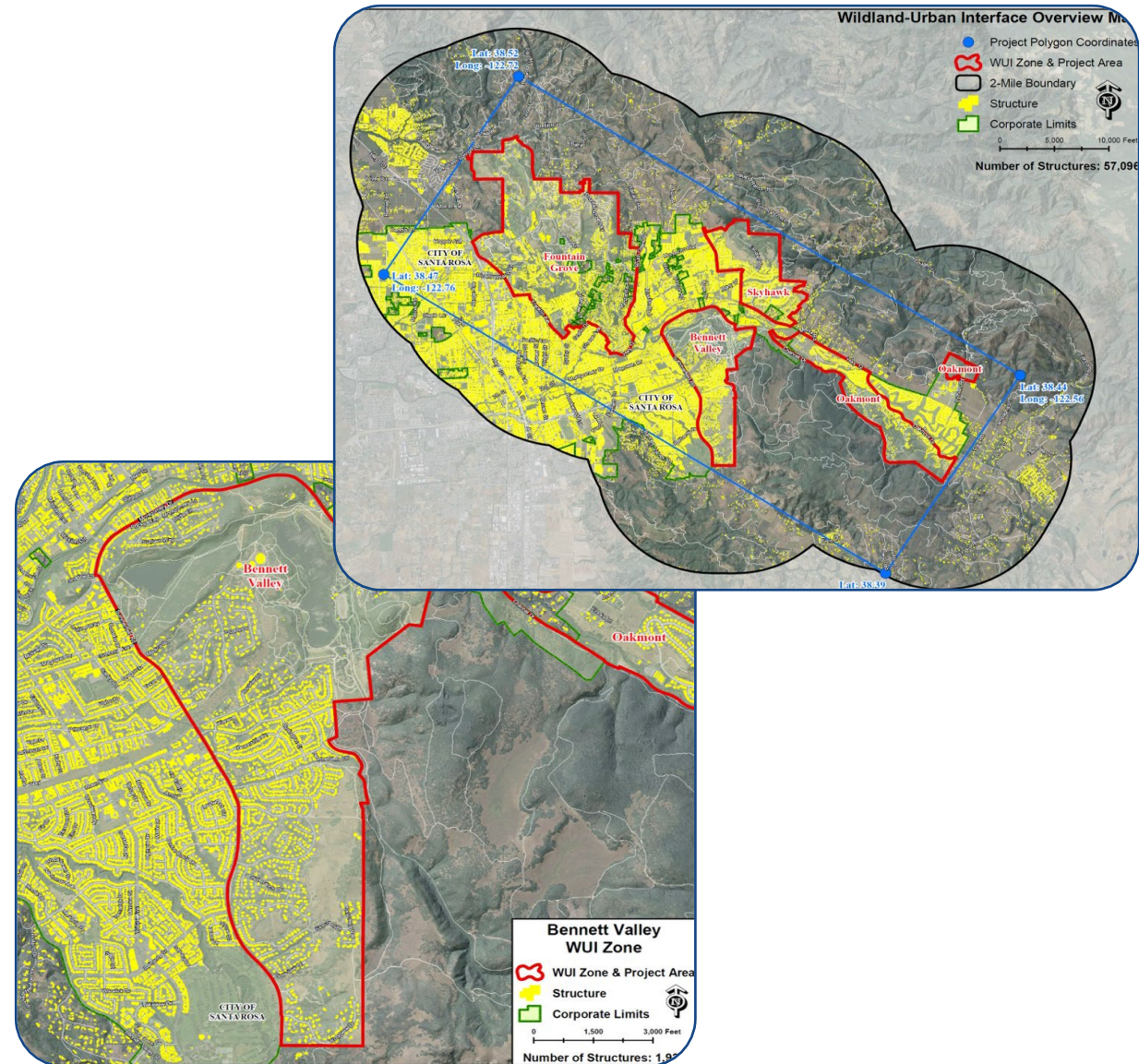
- **\$32 million** – Total Project Cost
- **4 partnerships** – Federal, State, local and private
- Benefitting over **61,000** customers
- **32%** population affected
- Providing **reliable** power to **disadvantaged** communities, 0.9978 CDC SVI



[Full Project Description](#)

Wildfire Mitigation Activities

- Defensible Space
 - Create perimeters around homes, structures and critical facilities through removal of flammable vegetation
- Ignition Resistant Construction
 - Roof assemblies, wall components, protection of fuel tanks
- Hazardous Fuels Reduction
 - Removal of vegetative fuels proximate to at risk structures. Must be within 2 miles of homes and other structures



Case Studies: Wildfire

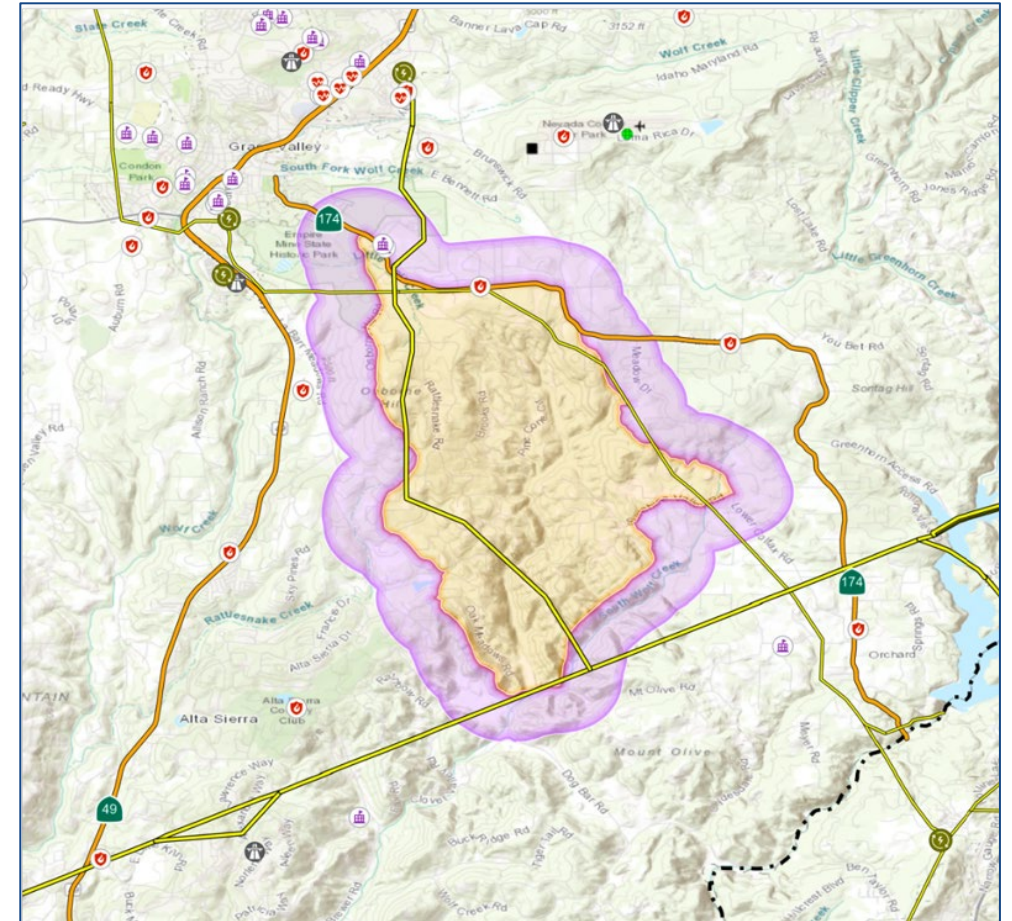
Project Title: Wildfire Retrofitting for Climate Resiliency

Municipality: Nevada County, California

Amount of Award: \$43.4 million

Program: BRIC

Project Description: This project will use nature-based solutions and a multi-faceted approach to directly address wildfire risk to lives, homes and community lifelines through 1) home-hardening and 2) near-home defensible space vegetation management, 3) landscape level fuel modification, and 4) community education. Coordinated deployment of proven strategies will mitigate severe and immediate risk while establishing a model that supports generational infrastructure change.



[Full Project Description](#)

Energy Mitigation Activities

- Generator
- Solar and Battery Storage
- Microgrid
 - Generator, battery, and/or renewable resources
 - Storage capacity
 - Connection/Switch (automatic or manual)



Case Study: Microgrid

Blue Lake Rancheria Tribe Microgrid

The Blue Lake Rancheria (BLR) is a Native American reservation located in an area subject to heavy rainstorms, forest fires, and frequent power outages. The reservation constructed a low-carbon community microgrid in 2017 to bolster its resilience to these outages. It helps power government offices, economic enterprises, and several Red Cross safety shelter-in-place facilities. The BLR microgrid integrates a solar array, battery storage, and control systems to allow the Rancheria campus to operate in tandem with, or islanded from, the main utility grid. This provides resiliency to the community because if the main grid experiences a power outage, the microgrid will automatically disconnect and go into island mode.

The system prioritizes clean generation, but if needed it will bring a 1-megawatt isochronous backup generator online to support the photovoltaic (PV) array and battery. The solar array also generates renewable energy regardless of whether or not it is in island mode, providing both carbon emission and electricity cost savings. The microgrid is projected to save \$150,000 a year and reduce 150 tons of carbon dioxide emissions annually.

Addressed Hazards



Innovative Energy Solution Tested and Proven in 2019

When a nearby wildfire caused a power outage in October 2019, the microgrid successfully islanded and kept the facilities from experiencing a blackout. During the outage, the microgrid served 10,000 people, about 10 percent of the county's population, and is credited with saving four lives.

Leveraging Partnerships for Tribal Lifeline Resilience

By leveraging public and private partnerships, this project utilizes the latest in microgrid technology to mitigate cascading impacts to an entire tribal community.



Workers installing the racking for the Blue Lake Rancheria's 500-kilowatt solar system in June 2016. The solar system is a cornerstone of the tribe's low-carbon community microgrid project.

Source: U.S. Department of Energy Flickr <https://www.flickr.com/photos/37916456@N02/27365396111>



Community Lifelines
Hover over the Primary Lifeline to learn more.



Safety & Security



Food, Water, Sheltering

PRIMARY LIFELINE



Energy (Power & Fuel)

Project Highlights

- **\$6.3 million** – Total Project Cost
- **12 partnerships** – State, local, private, and academia
- Benefitting **10%** of the county population
- Provides system **resiliency**, **reduces** frequency in outages, and targets **low-income** communities

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Hazard Mitigation Assistance Overview

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Hazard Mitigation Resources

State Mitigation Webpage: <https://www.nmdhsem.org/administrative-services-bureau/administrative-services-bureau-grants/>

FEMA 2023 HMA Guidance: <https://www.fema.gov/grants/mitigation/hazard-mitigation-assistance-guidance>

FEMA HMA Webpage: <https://www.fema.gov/grants/mitigation>

FEMA Mitigation Action Portfolio: https://www.fema.gov/sites/default/files/2020-08/fema_mitigation-action-portfolio-support-document_08-01-2020_0.pdf

Nature-Based Solutions: https://www.fema.gov/sites/default/files/documents/fema_nature-based-solutions-guide-2-strategies-success_2023.pdf

Public Private Partnerships: https://www.fema.gov/sites/default/files/documents/fema_building-private-public-partnerships.pdf

Economic Benefit Values for Green Infrastructure: https://www.fema.gov/sites/default/files/documents/fema_economic-benefit-values-green-infrastructure.pdf

Innovative Drought and Flood Mitigation Projects: https://www.fema.gov/sites/default/files/documents/fema_innovative-drought-flood-mitigation-projects.pdf

New Mexico Forestry GIS and Maps: <https://www.emnrd.nm.gov/sfd/gis-and-maps/#gsc.tab=0>

Happening Now:

Energy Storage and Microgrids for Energy Resilience and Reliability Webinar Series – [Register Here](#)

April 12 – Introduction to Microgrids

April 19 – Energy Storage & Microgrid Success Stories

April 26 – Microgrids in Puerto Rico and California

May 3 – Panel: Obtaining BRIC, HMGP & DOE Funding

A grayscale landscape photograph of sand dunes. In the foreground, there are several clumps of grass. In the middle ground, a person is standing on a dune. In the background, there are mountains under a clear sky. The word "Questions" is overlaid in the center in a large, bold, blue font.

Questions

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Key Stakeholder Dates

May 1-2, 2023:

Regional Energy Security Exercise (please email Jacqueline Waite if interested)

June 26, 27, 2023:

SESP Stakeholder Presentations (government and other stakeholders identified by EMNRD ECMD)

Project Team



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