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DEPARTMENT OF  
NATURAL RESOURCES

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# Community Resilience

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Cherylyn Kelley

# Agenda

- Resilience/Energy Efficiency Nexus
- Roadmap to Resilience: Partnering with Missouri Communities
- Opportunities

# Definitions

- **Energy efficiency:** using less energy to perform the same task
- **Community resilience:** the ability of a community to adapt to changing conditions, withstand disruption, and rapidly recover from emergencies



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Energy  
Efficiency

?

Community  
Resilience



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Energy efficiency is an under-recognized strategy to make communities more resilient.

# Energy Efficiency/Resilience Nexus

- A few examples:
  - Efficient buildings let residents shelter-in-place longer during an event
  - Efficient buildings reduce demand on energy system during an event, improving reliability of system
  - Technologies such as CHP can provide backup power, building can double as shelter

# Roadmap to Resilience: Partnering With Missouri Communities

- DOE awarded in February 2019
- Project goal: Develop a “toolkit” to help smaller communities build customized resilience plans
- Partnered with three Missouri communities
- Supported by two subgrantees and five cost share partners

# Roadmap Schedule

Stakeholder Engagement (November 2019)

Best Practice and Baseline Analysis (November 2019)

Establish Resiliency Standards and Metrics (Coming soon...)

Completed Resiliency Roadmap (June 2020)

Disseminate Information and Lessons Learned (June – December 2020)





Rolla



St.  
James

Stockton



# Stakeholder Engagement

- Community perspective is **essential**
- Opportunity to
  - Gauge status of existing resilience planning
  - Identify resilience priorities

# Stakeholder Engagement

- Phase one: one-on-one meetings with community leaders
  - Identification of community strengths and weaknesses
- Phase two: Themed workshops with wider audience
  - Critical Facilities and Infrastructure
  - Economic Development and Growth
  - Resilient Community Operations
  - Energy Burden

# Engagement Findings: The Good

- Interest in providing residential energy audits
- Desire to invest in technology like AMR, renewables
- Interest in supporting efficiency improvements in residential and commercial sector

# Engagement Findings: The Bad

- Lack of funding
- Split incentive issue with landlords
- Lack of education and awareness of key concepts (i.e. renewables vs. efficiency)

# Opportunities

- Investment in public education
- Investment in job training
- Public/private partnerships
- Consider building codes

# How the Roadmap can help

- Identification of financing opportunities
- Metrics for resilience
- Partnership opportunities
- Resilience Strategies
- Guidance on stakeholder engagement
- Case studies



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**Cherylyn Kelley**

Policy Analyst

573-751-6653

[Cherylyn.Kelley@dnr.mo.gov](mailto:Cherylyn.Kelley@dnr.mo.gov)