

# Theme A: Session 3

## Climate Proofing of Future Grids & Advanced Materials for Extreme Weather Events

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# Climate Impacts & Community Resilience on Planning & Operations



## Physical Climate Variables

- Identify climate variables
- Trends & projections

## Energy System Relevance

- Situational awareness
- Siloed utilization of decentralized DERs
- No community engagement

## Operational Planning

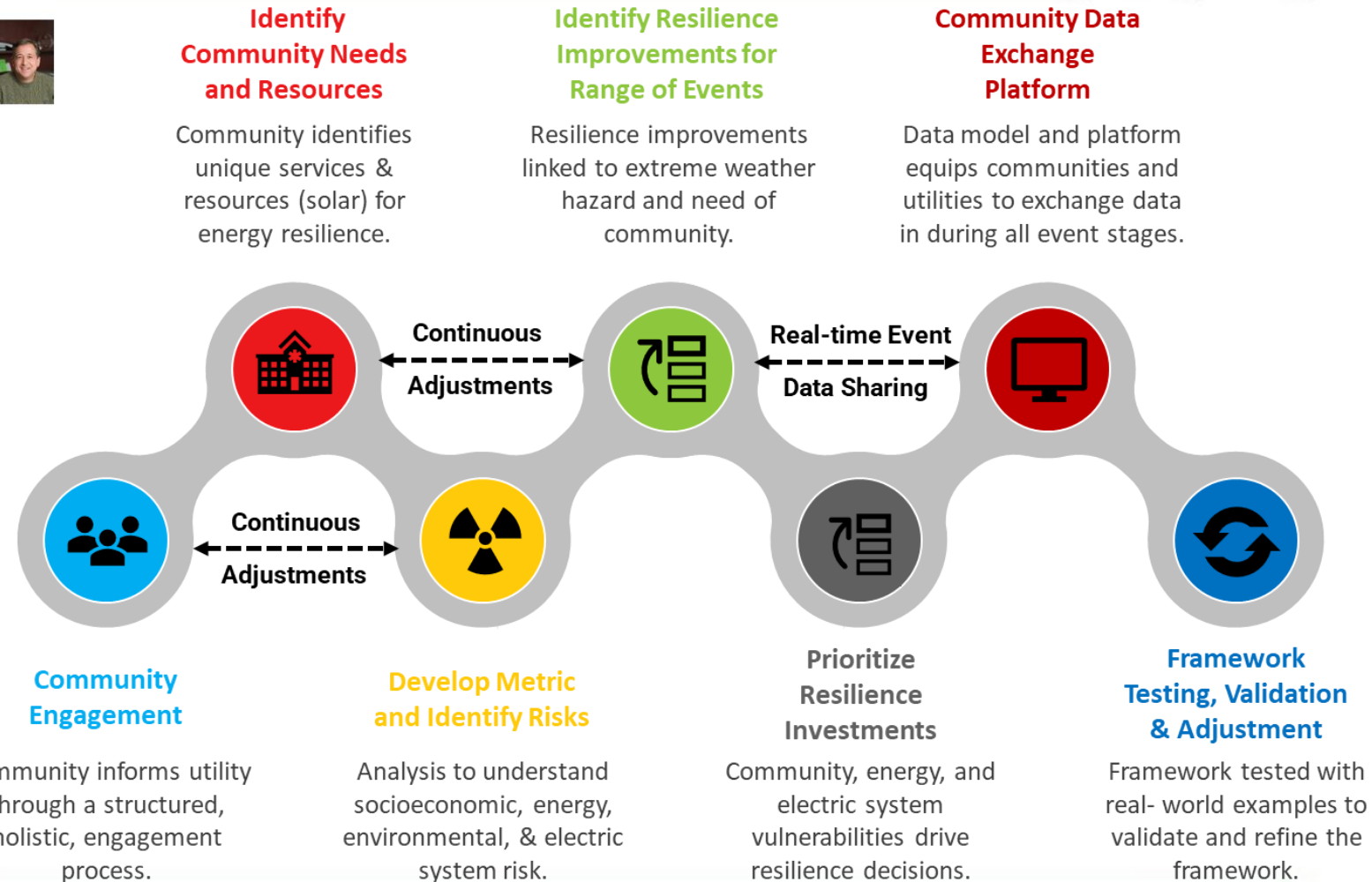
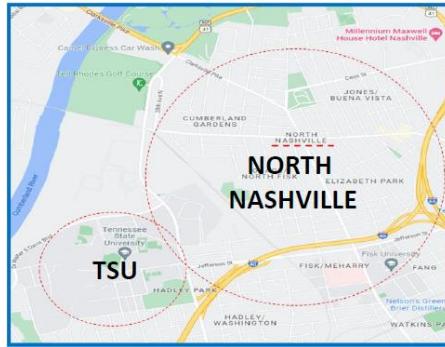
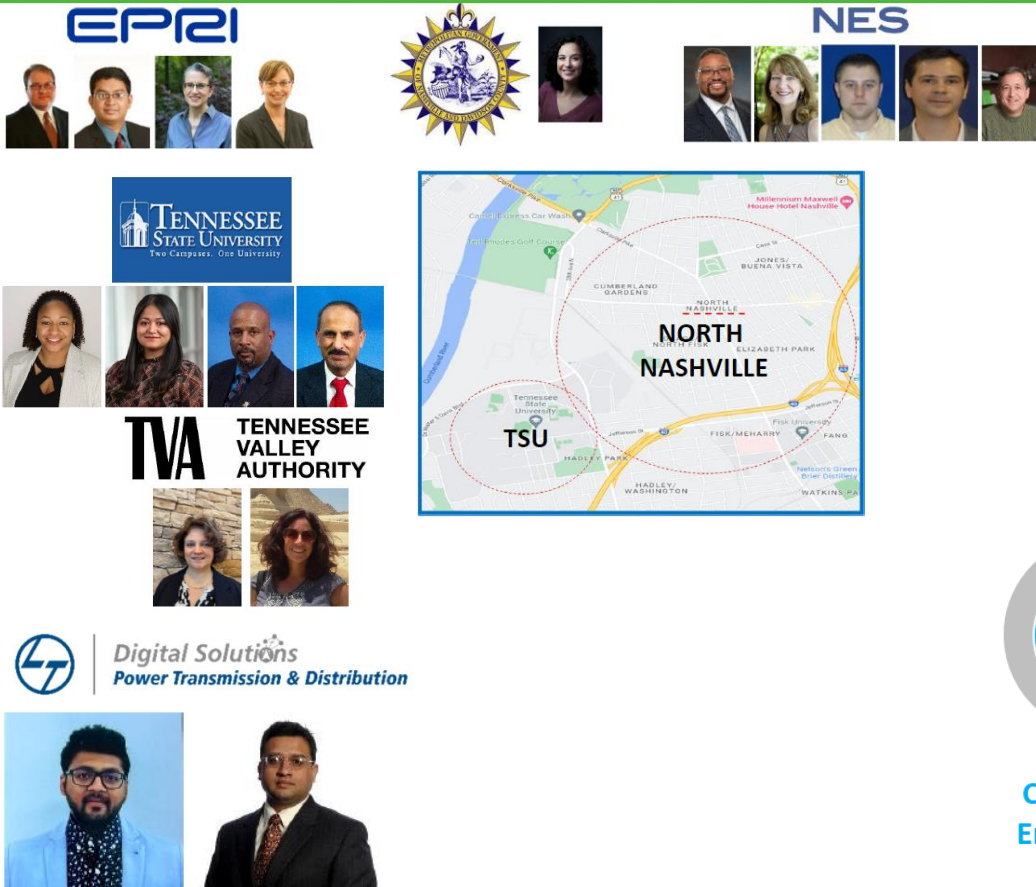
- Potential risk and solutions pathways with existing DERs
- Effective community plans

## Operations

- Decentralized vs centralized operations
- New operation and control strategies

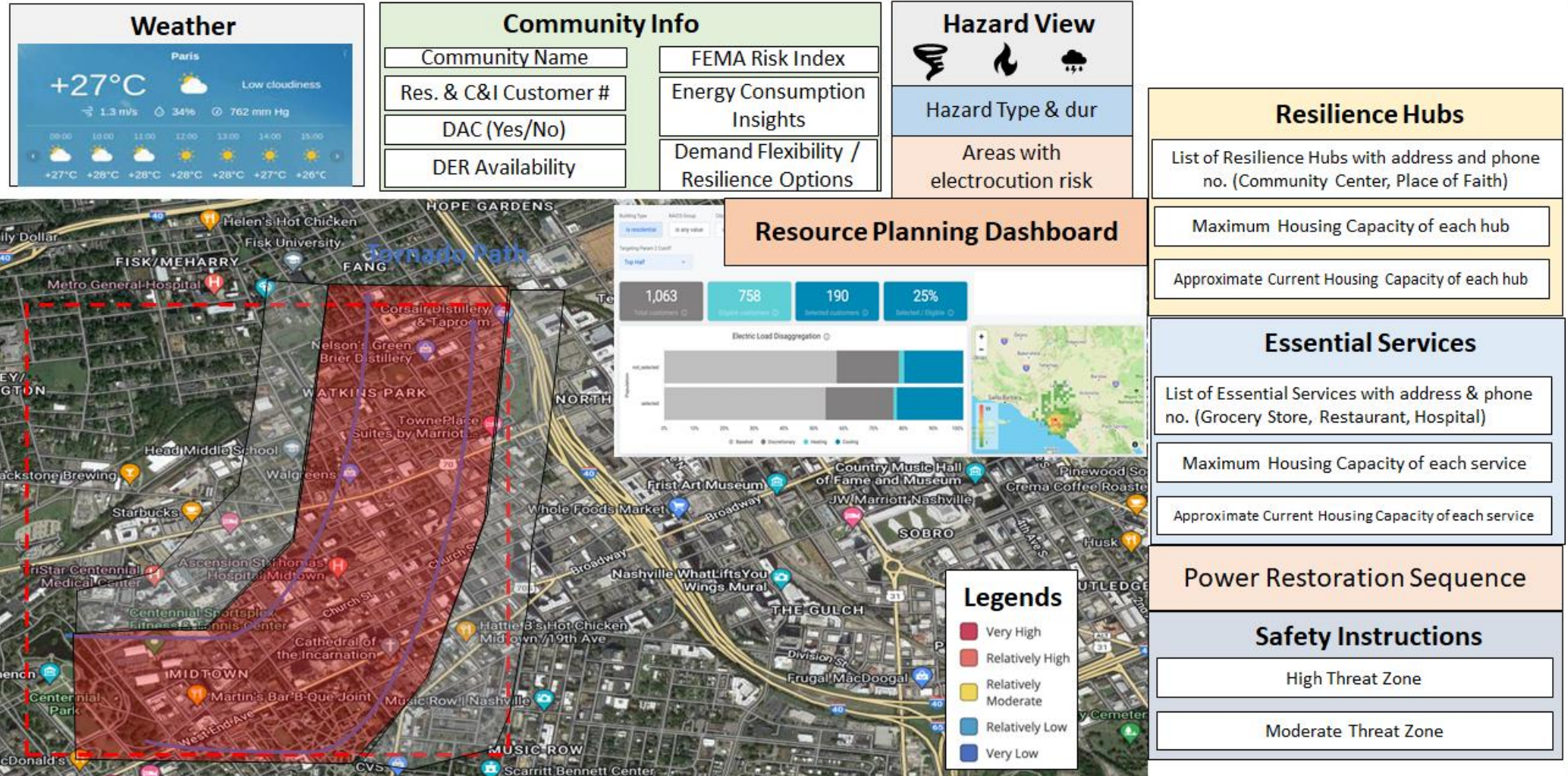
New Approach for T&D Resilience

# Accelerating Resilience of the Community through Holistic Engagement and use of Renewables (ARCHER) DOE 0002597





# Carrying ARCHER into Operational Planning Realm



# Thank You