

CCIF 2020 Summit

Key Considerations for Electric Sector Climate Resilience Policy and Investments

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Key Considerations for Electric Sector Climate Resilience Policy and Investments

- The increasing threats of climate change are requiring utilities to make operational changes and investments to improve the resilience of the electric system.
- MJB&A Report: identifies ways in which both utility regulators and other state and local policymakers can support and guide utility resilience planning, exploring key elements that must be considered when developing electric utility resilience planning
- Includes case study examples to further highlight possible opportunities in the planning process and benefits of proactive resilience planning and investments

Climate Resilience:

the ability of the electric power generation and delivery system to withstand and recover from disruptive events and to anticipate, adapt, and continue to reliably serve customers in the face of a changing climate and associated risks.

Utility Climate Resilience: Roles of Policymakers

Utility Regulators

1. Determine just and reasonable rates over short- and long-term
2. Serve as nexus of policymaking for resilience standards
3. Assess and approve utility resilience plans and investments

Local and State Regulators

1. Set overarching climate resilience goals to create impetus for utility action
2. Guide utility resilience investments in a way that both reinforces and draws upon broader resilience efforts
3. Provide and distribute resilience funding

Climate Resilience: Utility Regulator Considerations

**Resilience strategy
development for
utilities**

**Forward-looking
cost benefit
analysis
considering state-
specific climate
risks**

**Situation-specific
and responsive
resilience metrics
and goals**

**Data collection and
dynamic
assessment**

Climate Resilience: State and Local Considerations

**State or local
targets for
resilience and
climate adaptation**

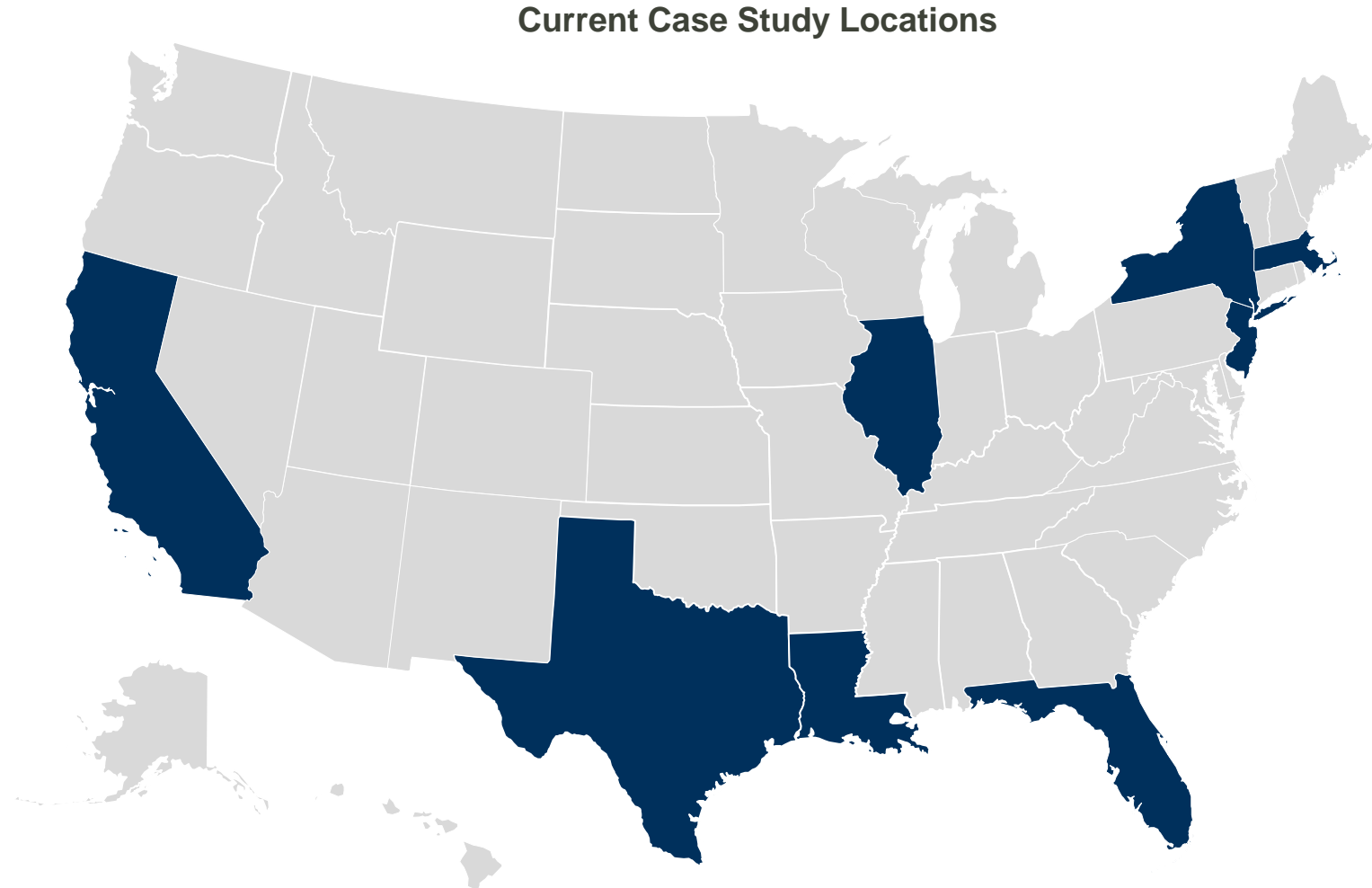
**Localized data and
resources**

**Resilience action
coordination**

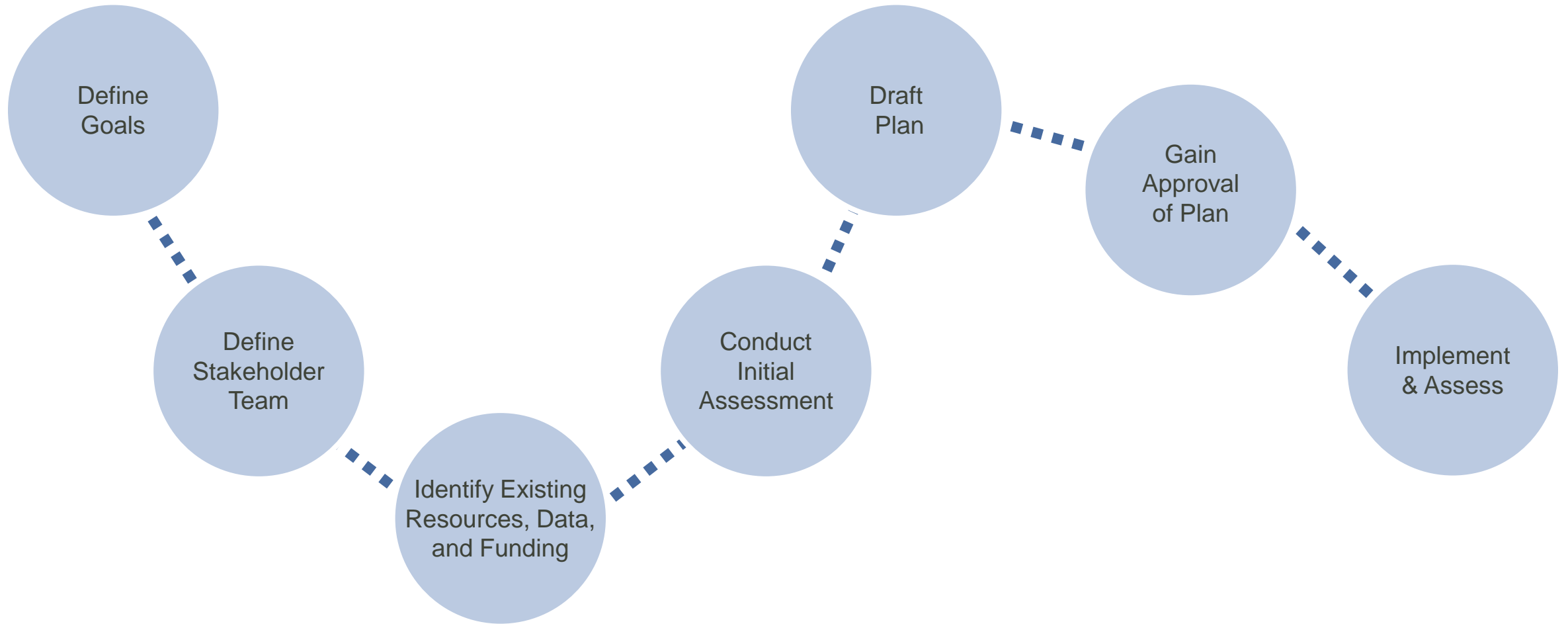
**Funding
opportunities to
support or
complement utility
resources**

Case Studies and Key Takeaways

- Emerging practices include dynamic measurement and assessment of resilience actions
- A major storm (or a series of storms) were the main drivers for many of the case studies that involved legislative or regulatory oversight
- Resilience studies are often completed through a public private partnership
- State legislation can drive regulators towards approving utility resilience programs



Roadmap for Designing a Resilience Plan





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