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ASSESSMENT OF CAPABILITIES IN ENERGY SECURITY (ACES)

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OFFICE OF
**CYBERSECURITY, ENERGY SECURITY,
AND EMERGENCY RESPONSE**

Argonne 
NATIONAL LABORATORY

ASSESSMENT OF CAPABILITIES IN ENERGY SECURITY

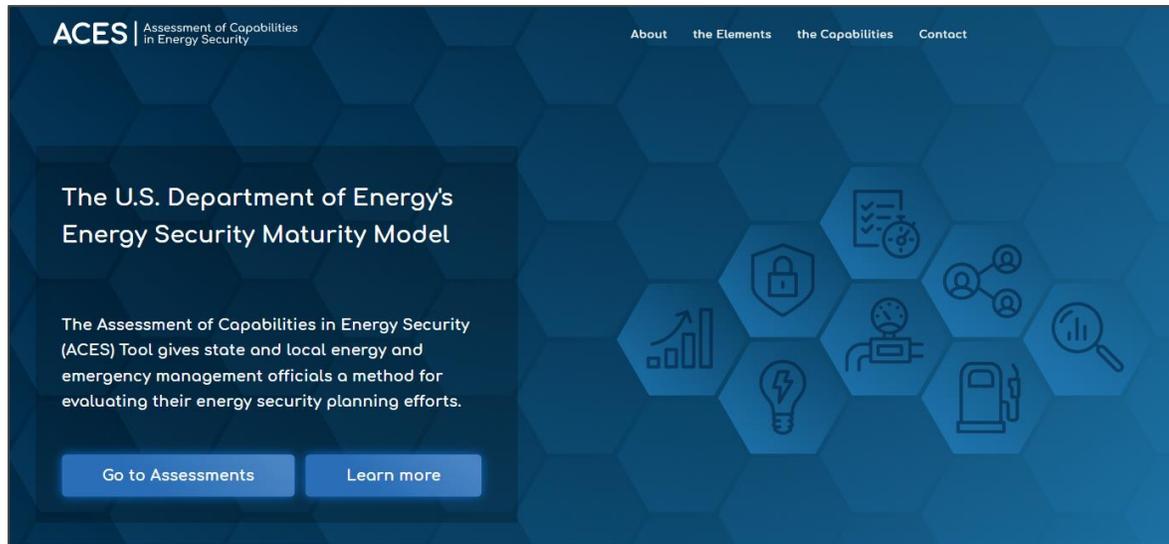
ACES | Assessment of Capabilities in Energy Security

About the Elements the Capabilities Contact

The U.S. Department of Energy's Energy Security Maturity Model

The Assessment of Capabilities in Energy Security (ACES) Tool gives state and local energy and emergency management officials a method for evaluating their energy security planning efforts.

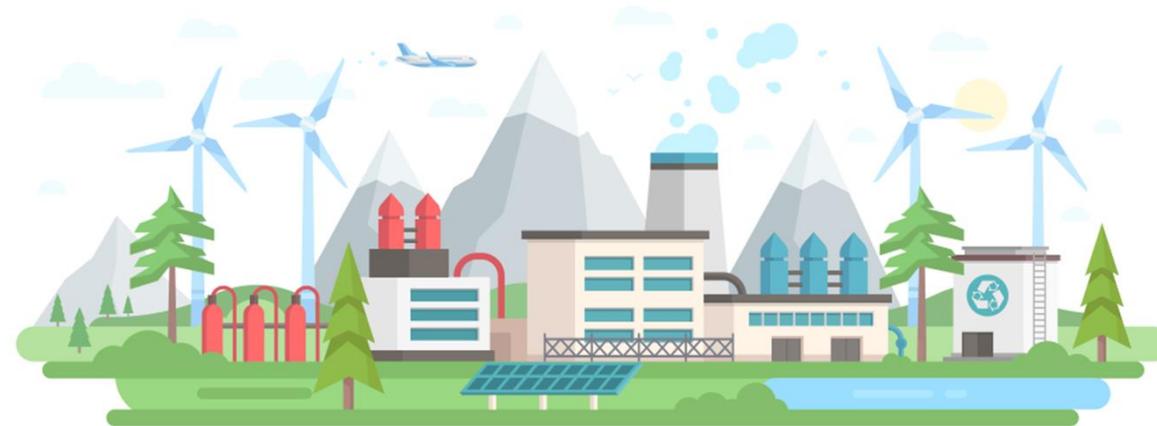
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Assessment of Capabilities in Energy Security (ACES)

Actions

Energy Security System Elements	Assessment Progress	Planning	Organization	Equipment	Training	Exercises
Element 1: Engage the Community	<div style="width: 100%;"></div>	2	5			1
Element 2: Assess the Energy Security Landscape	<div style="width: 75%;"></div>		1			
Element 3: Analyze Risk and Security	<div style="width: 50%;"></div>					
Element 4: Develop the Energy Security Strategy	<div style="width: 25%;"></div>					
Element 5: Implement Improvements	<div style="width: 10%;"></div>					
Element 6: Evaluate Progress	<div style="width: 5%;"></div>					
Element 7: Adapt and Enhance	<div style="width: 20%;"></div>					1



INTRODUCTION TO ACES

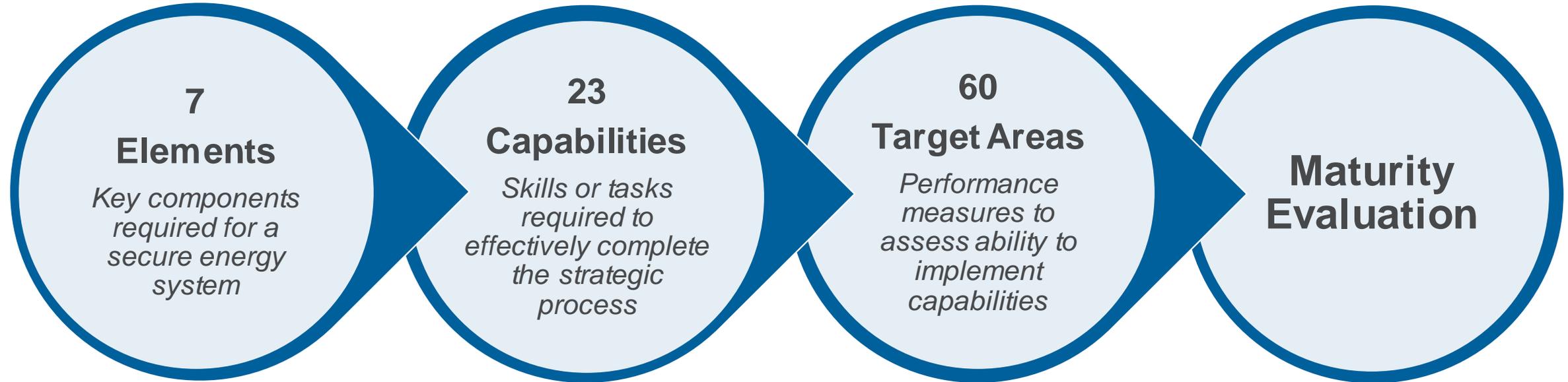
Powerful discussion tool enabling states to convene intra- and inter-agency energy security and resilience partners to candidly discuss capabilities and opportunities for improvement.

Assessment tool or planning tool? Yes!

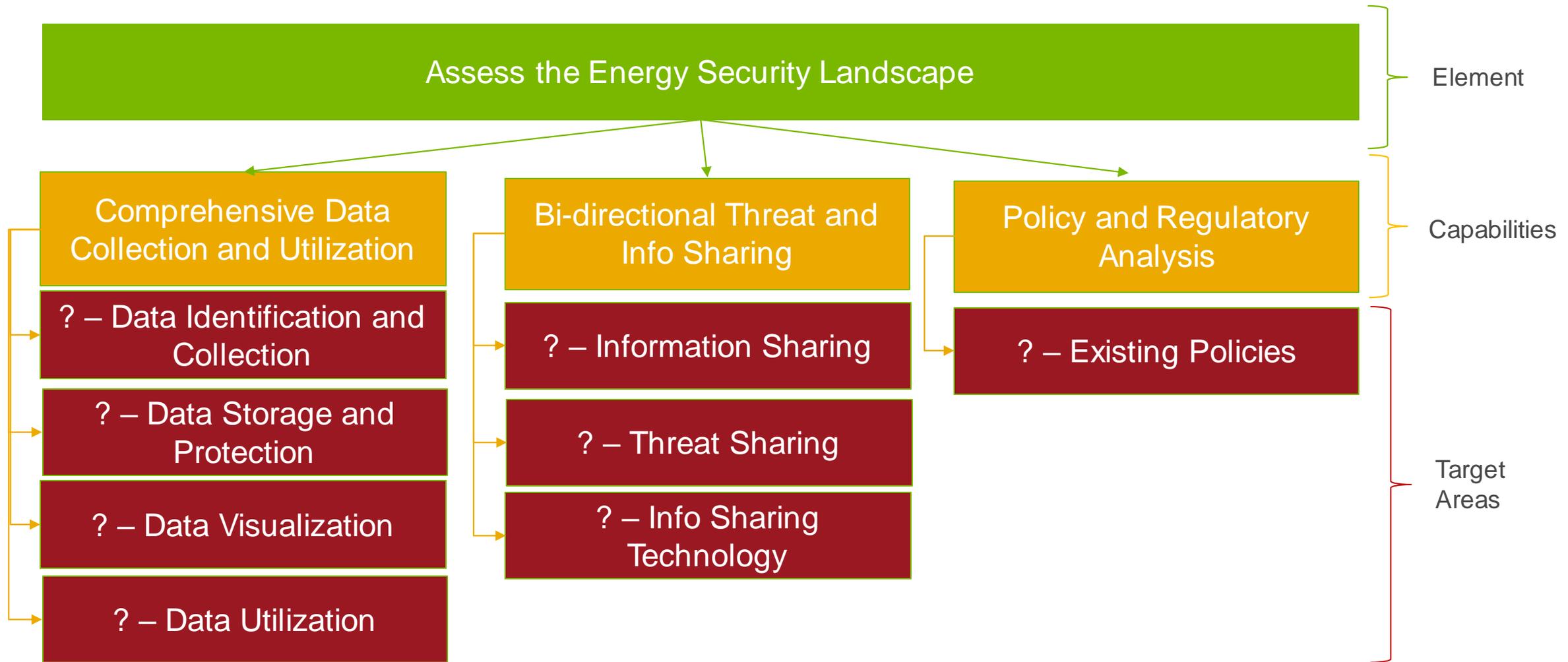
Does not require use of any specific planning framework to be effective. Focus is on energy security programming wholistically, rather than any specific plan.

Each state is unique, so ACES was designed with flexibility to allow users to **build their own adventure**.

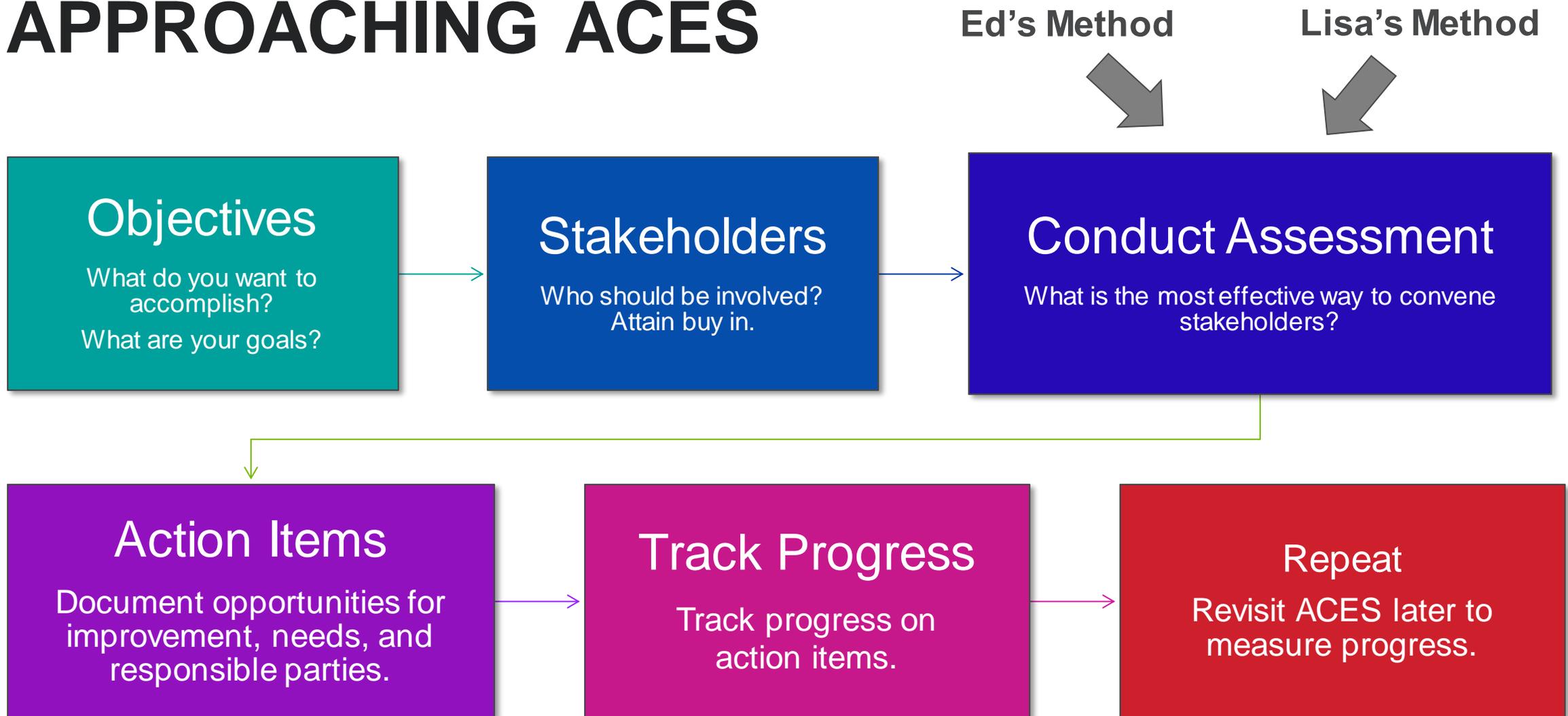
ACES METHODOLOGY



ELEMENT 2 WORKFLOW



APPROACHING ACES



ACES ACCESS

- Visit <https://aces.anl.gov/> to get started.
- Email addresses with a “.gov” and “.mil” are automatically approved.
- Individuals with other email address may receive manual access by emailing ACES@anl.gov or araffety@anl.gov.



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[Get Started](#) [Learn more](#)

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EXTRA SLIDES IF NEEDED

7 ELEMENTS

Key components required for a secure energy system



23 CAPABILITIES

Skills or tasks required to effectively complete the strategic process

- Robust Government-to-Government Engagement
- Public-Private Partnerships
- Stakeholder Engagement
- Comprehensive Data Collection and Utilization
- Bi-directional Threat and Information Sharing
- Policy and Regulatory Analysis
- Threats and Hazard Understanding
- Interdependency Analysis
- System Security Characterization
- Cybersecurity Assessment
- Economic Assessment
- Energy Security Investments
- Robust Energy Security Planning
- Risk and Crisis Communication Planning
- Policy and Regulatory Implementation & Improvement
- Cybersecurity Risk Mitigation
- Risk and Crisis Communication Implementation
- Response & Recovery Operations
- Workforce Development
- Continuous Evaluation and Improvement
- Systematic Measurement and Reporting
- Long-Term System Design
- Technology Research, Development, Demonstration & Deployment

60 TARGET AREAS (EXAMPLE ONE)

Element 6: Evaluate Progress > Capability: Continuous Evaluation & Improvement > Target Area: Exercises

Energy security exercises are regularly conducted. Exercises include government, industry, and community partners. Other stakeholders are invited to join as appropriate.

Score

Limited Progress



Responsible Person/Entity

State Energy Office / Emergency Management Agency

Key Observations

State law requires an annual statewide emergency response exercise incorporating each ESF component as appropriate. Although government partners are always included, participation from energy utilities and community partners is limited.

Areas of Improvement

Planning Organization Equipment Training Exercises