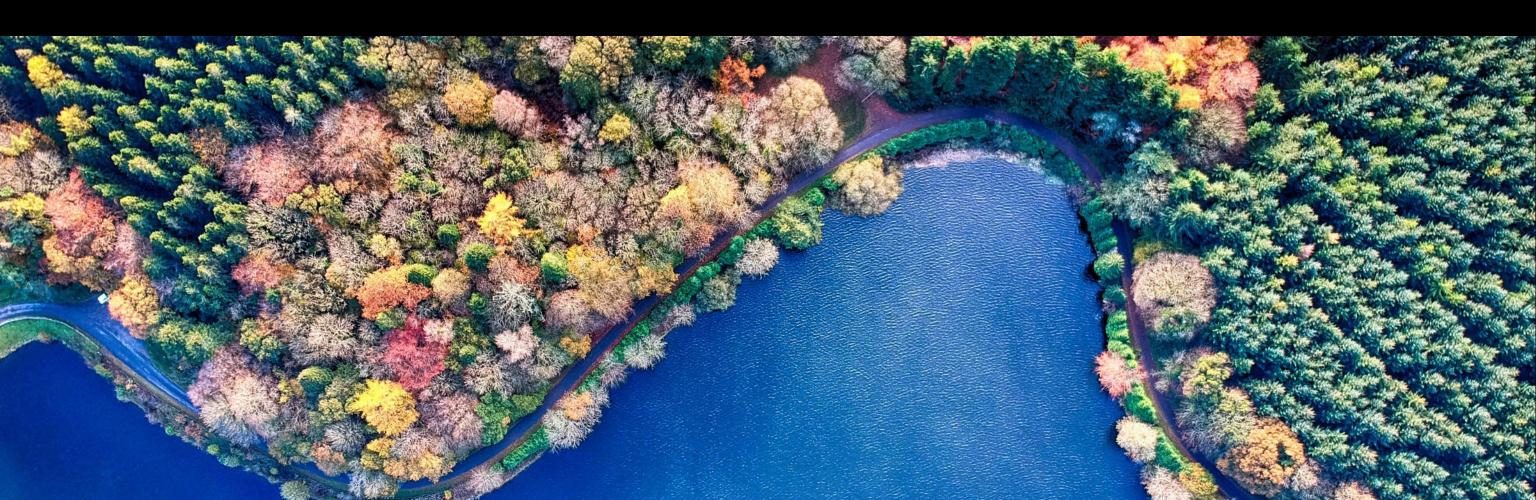
Alaska State Energy Security Profile

Advisory Committee Meeting

August 3, 2023

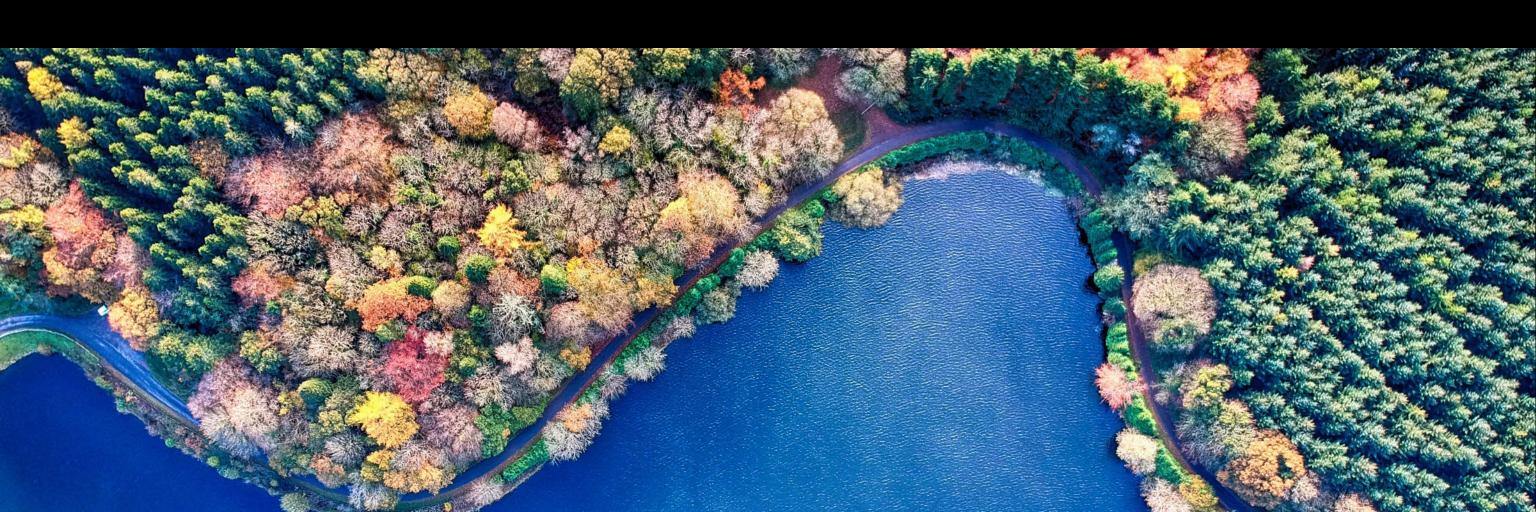






Overview of State Energy Security Profile (SESP)





State Energy Security Profile Overview

1. Energy Landscape and Risk Profiles

 Summary of Electricity, Liquid Fuel, and Natural Gas Energy Systems in the State

2. Risk Assessment

- Threats to Energy Infrastructure
- Quantitative Risk Assessment
- Qualitative Risk Assessment

3. Energy Security and Emergency Response Authorities

- Key State Authorities and Statutes
- Key Federal Authorities and Statutes

4. Energy Security Planning and Preparedness

- State Energy Office Roles and Responsibilities
- Other State Agency Roles and Responsibilities
- Other Stakeholder Roles
- Regional Coordination

5. Energy Emergency Response

- Operational Playbook of state response actions during:
 - Matrices for power outages/electricity, liquid fuel, and natural gas events

6. Energy Resiliency and Hazard Mitigation

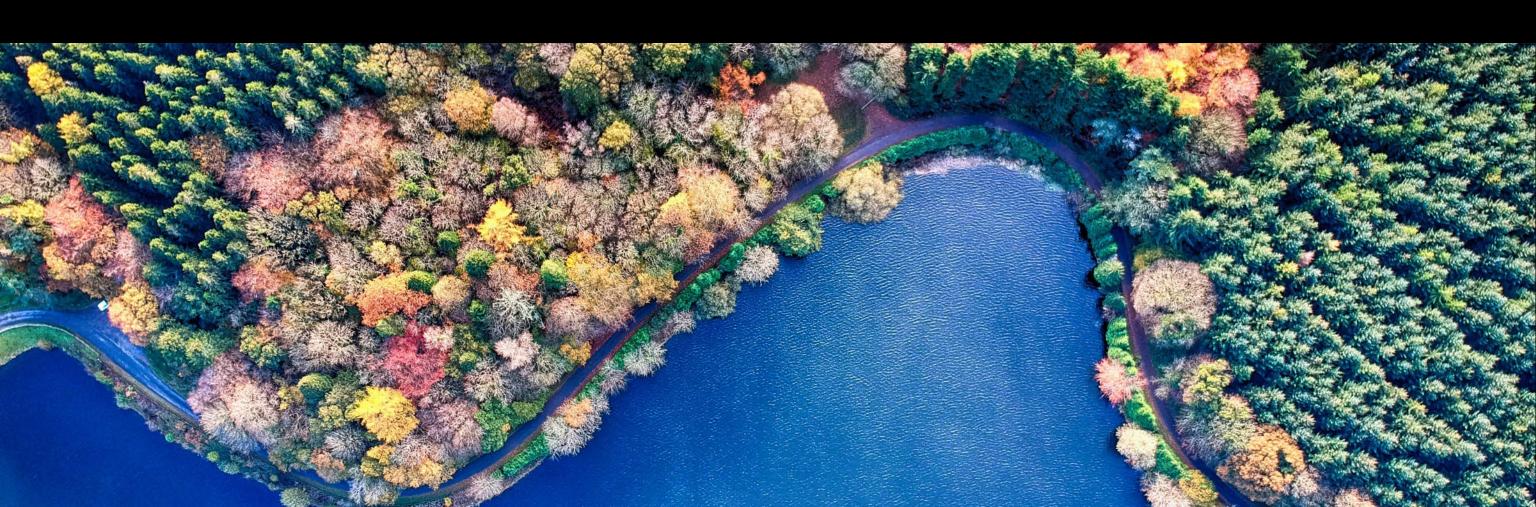
- State Energy Security Goals
 - Alignment of related plan goals
- Mitigation Measures
 - Action evaluation and prioritization framework
 - Table of proposed mitigation measures





High Level Themes from the SESP





Alaska has more natural risks than other states...



















Additional Themes

Lack of redundancy and single points of failure

Aging assets

Interdependencies (Airstrips, roadways, marine access)

Railbelt vs. Rural

Reductions in natural gas supply

Seasonal constraints for construction and repair

Supply chain and workforce concerns

Logistic challenges of external support

Competition for funding sources



Mitigation Measures – Chapter 6

- Alaska can utilize the list of potential mitigation options to focus funding from IIJA or other sources
- Many opportunities for investment and funding, but what can practically get done and make an impact?
- Prioritize mitigation measures to take is a key Next Step to improve resilience
- Longer term issues (e.g. evolving natural gas supply constraints) need to be planned very soon



Next Steps

- August 31st: AEA and ICF will consolidate and address comments, and develop a Final Report
- Early September: Report will be sent to the Governor's Office for review and approval
- September 30^{th:} AEA will finalize and submit to DOE





Comments on the SESP?



