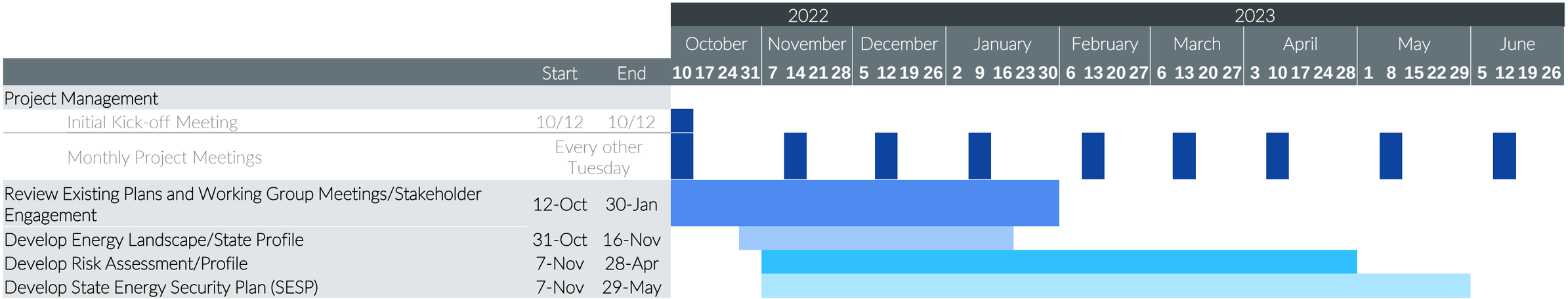
Alaska State Energy Security Plan

November 4, 2022

State Energy Security Plan Approach

1. Stakeholder Outreach
2. Literature Review
3. Conduct a Risk Assessment of Energy Infrastructure
4. Create an Energy Security Plan

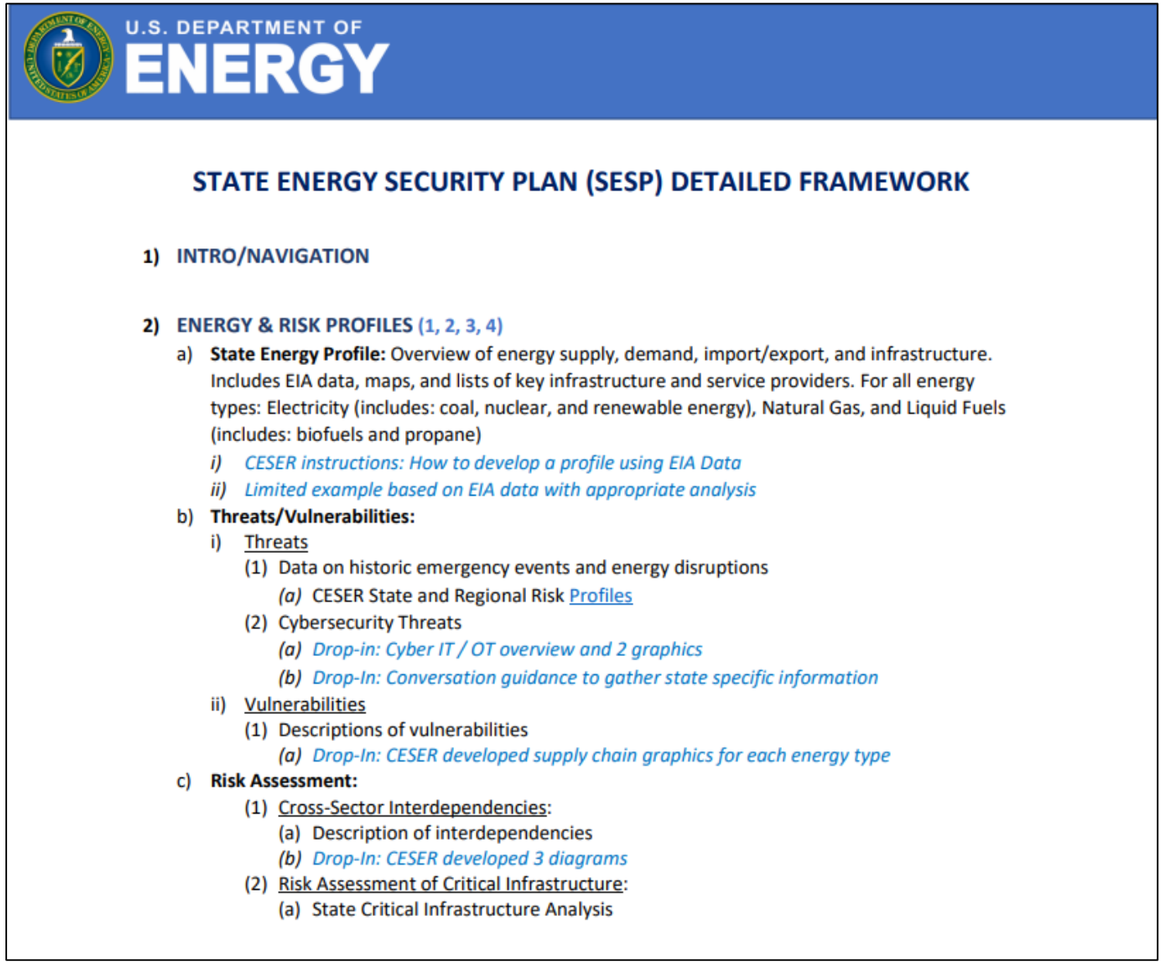
Timeline



	Start	End
Project Management		
Initial Kick-off Meeting	10/12	10/12
Monthly Project Meetings	Every other Tuesday	
Review Existing Plans and Working Group Meetings/Stakeholder Engagement	12-Oct	30-Jan
Develop Energy Landscape/State Profile	31-Oct	16-Nov
Develop Risk Assessment/Profile	7-Nov	28-Apr
Develop State Energy Security Plan (SESP)	7-Nov	29-May

State Energy Security Plan Framework

- **Energy Landscape and Risk Profiles**
  - Summary of Electricity, Liquid Fuel, and Natural Gas Energy Systems in the State
  - Threats to Energy Infrastructure
  - Risk Assessment
- **Energy Security and Emergency Response Authorities**
  - Key State Authorities and Statutes
- **Energy Security Planning and Preparedness**
  - State Energy Office Roles and Responsibilities
  - Other State Agency Roles and Responsibilities
  - Other Stakeholder Roles
  - Regional Coordination
- **Energy Emergency Response**
  - Operational Playbook of State Response Actions During Power Outages/Electricity Events, Liquid Fuel Events, and Natural Gas Events
- **Energy Resiliency and Hazard Mitigation**



U.S. DEPARTMENT OF ENERGY

STATE ENERGY SECURITY PLAN (SESP) DETAILED FRAMEWORK

1) **INTRO/NAVIGATION**

2) **ENERGY & RISK PROFILES** (1, 2, 3, 4)
   a) **State Energy Profile:** Overview of energy supply, demand, import/export, and infrastructure. Includes EIA data, maps, and lists of key infrastructure and service providers. For all energy types: Electricity (includes: coal, nuclear, and renewable energy), Natural Gas, and Liquid Fuels (includes: biofuels and propane)
      i) CESER instructions: How to develop a profile using EIA Data
      ii) Limited example based on EIA data with appropriate analysis
   b) **Threats/Vulnerabilities:**
      i) Threats
         (1) Data on historic emergency events and energy disruptions
            (a) CESER State and Regional Risk Profiles
         (2) Cybersecurity Threats
            (a) Drop-in: Cyber IT / OT overview and 2 graphics
            (b) Drop-In: Conversation guidance to gather state specific information
      ii) Vulnerabilities
         (1) Descriptions of vulnerabilities
            (a) Drop-In: CESER developed supply chain graphics for each energy type
   c) **Risk Assessment:**
      (1) Cross-Sector Interdependencies:
         (a) Description of interdependencies
         (b) Drop-In: CESER developed 3 diagrams
      (2) Risk Assessment of Critical Infrastructure:
         (a) State Critical Infrastructure Analysis

- DOE State Energy Security Plan Guidance

State Energy Security Plan Resources

Department of Energy

- DOE State Energy Security Plan Guidance
- State Energy Security Plan (SESP) Resource Hub
- DOE Energy Emergency Response Playbook for States and Territories

NASEO and Regional Resources

- Energy Security Resources Hub
- Other State Energy Security Plans

Alaska Resources

- Regional energy plans
- AEA data sets and data visualization resources
- Alaska State Hazard Mitigation Plan (2018)
- And many more

ALASKA STATE ENERGY SECURITY PLAN WORKING GROUP

Role of Stakeholders:

- Meetings with the team
- Inform the Energy Security Plan
- Providing feedback as sections are completed

Areas of Focus:

- Provide input on the following:
  - Energy infrastructure
  - Identify threats, hazards, and vulnerabilities affecting or potentially affecting the state's energy infrastructure
  - Agency roles and responsibilities as they relate to energy security
- Sharing Resources:
  - Agency planning documents relevant to this work
  - Connect AEA and Working Group staff with key energy stakeholders (other departments and agencies, private industry, etc.), as appropriate
- Review:
  - Draft Language relevant to the member's agency