Regional Energy Planning

Jed Drolet, Energy Information Analyst
BIA Providers Conference
December 3, 2015
Alaska Energy Authority: Mission

“To Reduce the Cost of Energy in Alaska”

- AEA is an independent and public corporation of the State of Alaska
- Created by the Alaska Legislature in 1976
- 44.83.070: “The purpose of the Authority is to promote, develop, and advance the general prosperity and economic welfare of the people of the state by providing a means of financing and operating power projects and facilities that recover and use waste energy and by carrying out the powers and duties assigned to it under AS 42.45.”
Focusing on Communities

• Emphasizing community-based approach to projects

• Technical assistance, regional planning and project management

• Provide synergy between planning, projects and funding sources

• Assist communities to move to project-ready status

• Break down internal silos
Regional Energy Planning

- State-funded effort to build on previous planning and add the detail necessary to implement priorities

- Results will be:
  - **Plan document** with accurate, up-to-date information about the current energy picture in each region and the energy resources available
  - **Regional priorities** (both projects and strategies) developed through a rigorous process of engagement with regional and community stakeholders
  - **Analysis of technical and economic feasibility** of different types of projects in communities and regions using standard methodology statewide
  - **Ongoing process at the regional level** to implement priorities and continually update plan as conditions change
Regional Planning Process

- Provides consistent format for planning efforts
- Community-driven process with AEA project management and policy guidance
- Regional priorities not reliant on state funding
- Phased process:
  - Phase I: Information gathering and working draft development
  - Phase II: Stakeholder engagement and feedback
  - Phase III: Technical and economic analysis for final draft development and interface with AkAES
Alaska’s Energy Plans

Completed plans
• Living documents
• Railbelt and Southeast Integrated Resource Plans

Ongoing plans:
• AEA-funded, most often working with ARDORs
• Kodiak, Northwest Arctic, Aleut, Bering Straits, Bristol Bay, Copper Valley, Yukon-Koyukuk/Upper Tanana, Chugach

AEA Advisory Role:
• Lower Yukon-Kuskokwim
• North Slope
# Regional Planning Status

<table>
<thead>
<tr>
<th>Region</th>
<th>Contractor/Lead Entity</th>
<th>Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aleutians</td>
<td>SWAMC</td>
<td>3</td>
</tr>
<tr>
<td>Bering Straits</td>
<td>Bering Straits Development Co.</td>
<td>3</td>
</tr>
<tr>
<td>Bristol Bay</td>
<td>SWAMC</td>
<td>2</td>
</tr>
<tr>
<td>Chugach</td>
<td>Prince William Sound Economic Development District</td>
<td>2</td>
</tr>
<tr>
<td>Copper River</td>
<td>Copper Valley Development Association</td>
<td>3</td>
</tr>
<tr>
<td>Kodiak</td>
<td>SWAMC</td>
<td>3</td>
</tr>
<tr>
<td>Lower Yukon-Kuskokwim</td>
<td>Nuvista (Collaboration with AEA)</td>
<td>2</td>
</tr>
<tr>
<td>North Slope</td>
<td>North Slope Borough (Collaboration with AEA)</td>
<td>3</td>
</tr>
<tr>
<td>Northwest Arctic</td>
<td>Northwest Arctic Borough</td>
<td>3</td>
</tr>
<tr>
<td>Yukon-Koyukuk/Upper Tanana</td>
<td>Tanana Chiefs Conference</td>
<td>2</td>
</tr>
</tbody>
</table>
Senate Bill 138

Alaska Affordable Energy Strategy

Plan and recommendations to the Legislature on infrastructure needed to deliver affordable energy to areas in the state that do not have direct access to a North Slope natural gas pipeline.

Due: January 1, 2017
AkAES & Regional Planning

AkAES:
State-directed, program oriented, specific legislative mandate, allocation of scarce resources

Regional Planning:
Grassroots, project oriented, community-driven process

Common elements between AkAES and Regional Plans