Strategic Management Plan
Shishmaref

Interagency Working Group
Meeting #2
Alaska Community Coastal Protection Project

• Objective
  • To increase community sustainability and resilience to the impacts of natural hazards.

• Essential Components
  • Strong community leadership
  • Agency support and collaboration
  • Careful, effective planning
Importance of Inter-Agency Working Group

- Coordinated assistance to community to identify and achieve resilience actions, based on conventional funding channels of agencies

- Benefits include:
  - leveraging of resources
  - better coordination of work
  - reduced conflicts in project timelines and construction windows

- Help with identifying policy/funding obstacles to a smooth efficient process (*i.e.* *disinvestment due to relocation*)
Work to Date
Agency Meeting #1

- Role of Agencies
- Community Welcome and Stories/Values
- Summary of Work to Date
  - Background Planning Report
  - Community Surveys
  - Community Gathering
- Other Area Projects
- Issues and Solutions
  - Land ownership
  - Climate appropriate, adaptable design
  - Site access
  - Relocate vs defend in place
  - Impacts of relocation on funding
  - Potential funding sources
  - Research needs
  - Organizational capacity
Agenda

- Introductions and Meeting Purpose
- Safety Moment and Agenda Review
- Community message
- Background Planning Report
- Review of Preliminary Planning Schedule
- Next Steps
Ground Rules

• Keep the community’s best interests first in mind
• Share the air—everyone will have an opportunity to speak
• Address issues, not personalities
• Look for the donut, not just the hole
• Every idea is a good idea
• Keep side conversations to a minimum

And please...silence your cell phone!
Community Message
Background Planning Report

- Developed based on literature review, community surveys, and community gathering information

- Distributed with meeting invitation
- Also available on Shishmaref Project website
  - [https://www.commerce.alaska.gov/web/dcra/PlanningLandManagement/AlaskaCommunityCoastalProtectionProject/Shishmaref.aspx](https://www.commerce.alaska.gov/web/dcra/PlanningLandManagement/AlaskaCommunityCoastalProtectionProject/Shishmaref.aspx)

- Comments due Nov. 30th to Laurie Cummings or Sally Russell Cox
# Infrastructure

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain existing seawall</td>
<td>Additional Heavy Equipment</td>
<td>Additional community buildings *</td>
</tr>
<tr>
<td>Utility Assessment</td>
<td>New landfill*</td>
<td>Airport improvements*</td>
</tr>
<tr>
<td>Energy audit</td>
<td>Replace fuel tanks (depending on outcome of assessment)</td>
<td>Low-income/Elder housing*</td>
</tr>
<tr>
<td>Rainwater capture and reuse program</td>
<td>Update transportation plan</td>
<td>Street lighting*</td>
</tr>
<tr>
<td>Water source protection ordinance</td>
<td>School upgrades*</td>
<td>Washeteria expansion*</td>
</tr>
<tr>
<td>Water/Sewer improvements*</td>
<td>Health clinic expansion*</td>
<td></td>
</tr>
<tr>
<td>Additional water tank*</td>
<td>Additional snow removal equipment</td>
<td></td>
</tr>
<tr>
<td>Fuel tank assessment</td>
<td>Water/Sewer upgrades*</td>
<td></td>
</tr>
<tr>
<td>Dust suppression program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honey bucket ordinance/regulations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water/Sewer master plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind feasibility study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Road improvements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extend/upgrade seawall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete teacher housing project</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Emergency Preparedness

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Update emergency operations plan</td>
<td>Evacuation Center</td>
<td>Update emergency operations plan</td>
</tr>
<tr>
<td>Practice emergency operations plan/emergency drills</td>
<td>Update emergency operations plan</td>
<td>Practice emergency operations plan/emergency drills</td>
</tr>
<tr>
<td>Informational material regarding emergency preparedness</td>
<td>Practice emergency operations plan/emergency drills</td>
<td>Update local hazard mitigation plan</td>
</tr>
<tr>
<td>Interim evacuation center</td>
<td>Update local hazard mitigation plan</td>
<td>Update evacuation plan</td>
</tr>
<tr>
<td>Evacuation plan</td>
<td>Update evacuation plan</td>
<td></td>
</tr>
<tr>
<td>Establish early warning system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase first response capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business continuity planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family evacuation and disaster communications plans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install smoke and fire detectors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First aid training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor education programs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency energy backup plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update local hazard mitigation plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Village Public Safety Officer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Participate in Local Environmental Observer (LEO) program</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Housing

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing needs assessment</td>
<td>Housing upgrades</td>
<td>Additional housing*</td>
</tr>
<tr>
<td>Housing upgrades</td>
<td>Additional housing*</td>
<td></td>
</tr>
<tr>
<td>Develop housing strategy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Jobs and Economic Development

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skills and knowledge mapping</td>
<td>Teen employment strategy</td>
<td>Update local economic development plan</td>
</tr>
<tr>
<td>Grant writing workshop</td>
<td>Update local economic development plan</td>
<td></td>
</tr>
<tr>
<td>Update local economic development plan</td>
<td>Education and training programs</td>
<td></td>
</tr>
</tbody>
</table>
# Traditional Culture

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continue Community Events</td>
<td>New events that celebrate traditional culture</td>
<td></td>
</tr>
<tr>
<td>Develop community story project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Develop Elders in School Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase use of Traditional Language</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Leadership/Governance

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continue strong local leadership and governance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase awareness about City and Tribe council meetings being open to the public</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continue to support youth leadership programs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Improve Government to Government Relations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organization mapping – community &amp; regional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joint City and IRA Council meetings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City and IRA Council Memorandum of Understanding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Review/Establish procurement policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continue elders advisory committee</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Relocation

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commitment to move</td>
<td>Develop access to new site</td>
<td>Develop remaining infrastructure</td>
</tr>
<tr>
<td>Site Selection</td>
<td>Develop long range transportation plan</td>
<td>Develop remaining housing</td>
</tr>
<tr>
<td>Acquire title to site</td>
<td>Build initial housing</td>
<td>Restoration of old village site</td>
</tr>
<tr>
<td>Survey site</td>
<td>Develop initial infrastructure</td>
<td>Update Strategic Management Plan</td>
</tr>
<tr>
<td>Identify quarry site</td>
<td>Cultural resources plan</td>
<td></td>
</tr>
<tr>
<td>Identify and prioritize community needs</td>
<td>Well at new site</td>
<td></td>
</tr>
<tr>
<td>Develop community layout plan</td>
<td>Update Strategic Management Plan</td>
<td></td>
</tr>
<tr>
<td>Infrastructure feasibility studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identify water source</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventory resources that can be used at new village site</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detailed construction and financing plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leadership agreement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Establish relocation committee*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Update Strategic Management Plan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Defend in Place

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional shoreline erosion research</td>
<td>Implement additional shoreline protection</td>
<td>Update Strategic Management Plan</td>
</tr>
<tr>
<td>Identification of potential expansion area</td>
<td>Develop expansion areas</td>
<td>Infrastructure upgrades</td>
</tr>
<tr>
<td>Update Strategic Management Plan</td>
<td>Update Strategic Management Plan</td>
<td>Public building upgrades</td>
</tr>
<tr>
<td>Infrastructure assessment</td>
<td>Water system upgrades</td>
<td>School upgrade/replacement</td>
</tr>
<tr>
<td>Public building assessment</td>
<td>Sewer system upgrades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Infrastructure upgrades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Public building upgrades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Road upgrades</td>
<td></td>
</tr>
</tbody>
</table>
## Other

<table>
<thead>
<tr>
<th>Short-Term (0-5 years)</th>
<th>Medium Term (6-10 years)</th>
<th>Long Term (11+ years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Establish community garden</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conduct community food assessment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Establish communication with potential future residents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase awareness about existing substance abuse programs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Develop elders program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implement walking school bus</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Next Steps

• Potential funding sources?
• Triggers?
• Opportunities for synergy
• Next meeting – Dec/Jan