

Kivalina

Interagency Working Group Meeting

September 1, 2016

Kivalina Interagency Working Group

Meeting Agenda

Date: Thursday, September 01, 2016 1:30 – 3:30 PM

Location: Robert B. Atwood Building, 550 West 7th Avenue, Conference Room 1270

Teleconference: 1-800-315-6338, Access Code 45881#

1. Call to Order/ Roll Call
2. Invocation/Introductions
3. Approval of Agenda
4. Final Review of Kivalina Strategic Management Plan (KSMP)
5. Implementation of Imminent and Critical Action Items
 - a. Imminent Action: Emergency Drill and Exercises (SMP pp. ES-5; 39-42)
 - b. Imminent Action: Personal Emergency Kits (SMP pp. ES-6-7; 42)
 - c. Critical Action: Water and Sewer Upgrades (SMP pp. ES-7; 14-19)
 - d. Critical Action: School Access Road (SMP pp. ES-7; 20)
 - i. School Concept – *Paulette Schuerch*
 - e. Critical Action: Protective Structure for Airport (SMP pp. ES-7; 43)
 - f. Critical Action: Protective Structure for Landfill (SMP pp. ES-7; 43)
 - g. Critical Action: Increase Use of Traditional Knowledge (SMP pp. ES-8; 53-54)
6. June 30, 2016 Community Meeting on Relocation hosted by the City of Kivalina & Kivalina Relocation Planning Committee
7. Action Items/Follow-up to this meeting

Imminent Action:

Emergency Drill and Exercises

- § Provide an opportunity to practice something associated with an emergency plan.
- § Important component of emergency preparedness
 - They help people become familiar with what is expected of them during an emergency
 - Help identify whether the plan meets community needs or if changes need to be made.

Imminent Action: Emergency Drill and Exercises

Responsible Party: City, Tribe

Potential Partners/Coordination: DHS&EM, NAB, NANA, DCCED, AVEC, Village Public Safety Officer (VPSO), Maniilaq Association, NABSD, FEMA, DOT&PF, NOAA, VSW, ANTHC

Timeframe for Implementation: Critical Action

Estimated Cost: Under \$50,000

Current Status: New

Reference: N/A

Imminent Action:

Personal Emergency Kits

- Personal emergency kits contain a small number of items that may be helpful during an emergency.
- Everyone in the village should have a kit created with enough food, water, and essential supplies to last for 7 to 10 days.
- The kit can be used at home, in the evacuation shelter, or during an evacuation.
- The kit should contain warm clothing, a space blanket, socks, a hat, gloves, extra food, Band-Aids or other emergency supplies, medicine, a flashlight, gauze, and more.
- A grant may provide funding for emergency kits.

Imminent Action:

Personal Emergency Kits

- Kivalina can pursue funding that would allow them to purchase kits, or supplies to make kits, for everyone in the community.
- Or, they can encourage individual households to develop kits by sharing educational material and supply lists.
- It's important for residents to personalize their kits based on their family needs. Examples of personalization include medications, baby supplies, and pet supplies.

Imminent Action: Personal Emergency Kits

Responsible Party: Individuals

Potential Partners/Coordination: City, Tribe, DHS&EM, FEMA, American Red Cross (ARC), Private Sources

Timeframe for Implementation: Critical Action

Estimated Cost: Varies

Current Status: New

Reference: N/A

Critical Action:

Water and Sewer Upgrades

Based on community needs, three priority water and sewer upgrades have been identified:

- Improved delivery of drinking water and sewage disposal services
- Increased water supply
- Protection of the sewage lagoon

Critical Action:

Water and Sewer Upgrades

Improved delivery of drinking water and sewage disposal services

Honey-Bucket Alternatives

- Twin-Bucket System
- Urine-Diverting Dry Toilet System
- Composting Toilet Systems
- Flush Tank and Hauling System

Critical Action:

Water and Sewer Upgrades

Improved delivery of drinking water and sewage disposal services

Responsible Party: Alaska Native Tribal Health Consortium (ANTHC)

Potential Partners/Coordination: City, Indian Reorganization Act (IRA), Village Safe Water (VSW), DCCED, Denali Commission, Bureau of Indian Affairs (BIA), Alaska Department of Environmental Conservation (ADEC), Maniilaq Health Corporation, U.S. Environmental Protection Agency (EPA), Alaska Department of Transportation and Public Facilities (DOT&PF), Indian Health Service, USDA

Timeframe for Implementation: Critical Action

Estimated Cost: To be determined

Current Status: New

Reference: N/A

Critical Action:

Water and Sewer Upgrades

Increased water supply

Responsible Party: Alaska Native Tribal Health Consortium (ANTHC)

Potential Partners/Coordination: City, Native Village of Kivalina (Tribe), VSW, DCCED, Denali Commission, BIA, ADEC, Maniilaq Corporation, EPA, DOT&PF, USDA

Timeframe for Implementation: Critical Action

Estimated Cost: To be determined

Current Status: New

Reference: N/A

Critical Action:

Water and Sewer Upgrades

Protection of Water Source

Responsible Party: ANTHC

Potential Partners/Coordination: City, Tribe, VSW, DCCED, NAB, NANA, Denali Commission, BIA, ADEC, Maniilaq Association, EPA, DOT&PF

Timeframe for Implementation: Critical Action

Estimated Cost: To be determined

Current Status: New

Reference: N/A

Critical Action:

School Access Road

- Kivalina needs a school access road in order to start construction on new school and to transport students back and forth.
- Road would allow residents to leave the island in the event the community needed to evacuate.
- The road would provide additional benefits such as better access to additional subsistence resources
- Potential access to future relocation site?

Critical Action: School Access Road

Responsible Party: City and Tribe

Potential Partners/Coordination: NAB, VSW, DCCED, NANA, Denali Commission, BIA, ADEC, Maniilaq Association, EPA, DOT&PF, ADF&G, AVEC, BLM, USACE, FAA, FHWA, NOAA, SHPO, USCG, USGS, USFWS, Department of Education & Early Development, NMFS

Timeframe for Implementation: Critical Action

Estimated Cost: \$75 million

Current Status: New

Reference: N/A

Critical Action:

Protective Structure for Airport

- Airport is vulnerable to erosion because it is not currently protected by a sea wall.
- October 2015 storm caused substantial erosion to the coastline (approximately 10 feet in one day) near the runway.
- Community volunteers filled supersacks and placed them along airport beach to stabilize area and protect runway as temporary erosion control measure.
- DOT&PF currently working with Kivalina to develop longer term solution to protect the airport

Critical Action: Protective Structure for Airport

Responsible Party: DOT&PF and City

Potential Partners/Coordination: Tribe, NAB,
NANA, EPA, USACE, FAA

Timeframe for Implementation: Critical Action

Estimated Cost: \$7 million

Current Status: In progress

Reference: N/A

Critical Action:

Protective Structure for Landfill

- A protective structure is needed at the landfill to protect it from erosion. If the landfill erodes, a substantial amount of garbage would be released into the environment. This would have a negative impact on nearby subsistence resources.
- It could take several years before a protective structure is built:
 - Kivalina should develop a response plan to address the potential failure of the landfill
- The NAB has a Coastal Impact Assistance Program (CIAP) grant to assist with this effort (timeline?)

Critical Action: Protective Structure for Landfill

Responsible Party: City, Tribe

Potential Partners/Coordination: NAB, NANA, EPA, ANTHC, USACE, VSW, USFWS, ADF&G, NOAA, USCG

Timeframe for Implementation: Critical Action

Estimated Cost: Unknown

Current Status: In progress

Critical Action:

Increase Use of Traditional Knowledge

Traditional knowledge is defined by the International Council for Science (2002) as:

A cumulative body of knowledge know-how, practices and representations maintained and developed by peoples with extended histories of interaction with the natural environment. These sophisticated sets of understandings, interpretations and means are part and parcel of a cultural Whale Bone Arch complex that encompasses language, naming and classification systems, resource use practices, ritual, spirituality and worldview.

Critical Action:

Increase Use of Traditional Knowledge

Responsible Party: Various

Potential Partners/Coordination: City, Tribe, NAB, NANA, Maniilaq Association, BIA, DCCED, DOT&PF, USFWS, ADF&G, NOAA, EPA, ANTHC, VSW, University of Alaska

Timeframe for Implementation: Critical Action

Estimated Cost: Unknown

Current Status: New

Reference: N/A