POA/POD Response To Climate Change Program

Coordinating Coastal & Ocean Monitoring: Collaborations between the US Army Corps of Engineers (USACE), Alaska Ocean Observing System (AOOS), and Others
August 10, 2010
Alaska District has been engaged in climate change initiatives and inter-agency committees for several years.

- District is One of Seven USACE Region Leads for a Response to Climate Change
- District has participated in the State of Alaska Climate Change Sub-cabinet
- Alaska District is member of the Alaska Climate Change Executive Roundtable
Scope of RCC Program in Alaska

Develop a framework for launching a Climate Change Program in AK District

Prioritize and execute studies/projects
  • Data Collection & Updates
  • Analysis & Trends
  • Defining Project Criteria

Bottom line is executing our program poised for forecasting future conditions in a collaborative and efficient manner
RCC Program Initiative Proposal

Data Collection & Updates

H&H

- Update the USACE Ice Manual
- Climatologic data to assess state hydropower needs
- Bering Sea Wave hindcast model
- Wave forecasting based on ice retreat
- Harbor-net data collection
- Update Ground Snow Load Calculation

REGULATORY

- Wetland trend analysis for Anchorage/Mat-Su
- Wetland Baseline data for Fairbanks
Proposal to IWR includes:

Opportunities for Collaboration

- Re-establish the Alaska Engineering Design Information System (AEDIS)
- Arctic Near shore Fish Inventory
- Situational awareness of other agencies ongoing or planned efforts to either support or utilize databases
Develop Framework for Response to Climate Change Program at POA

Vision is that Alaska District will establish a plan that, in addition to supporting program execution, could greatly assist agencies with climate change issues ranging from habitat to infrastructure concerns.