

Prince William Sound Regional Citizens' Advisory Council -- FY-2019 Budget

Task # & Title 8560 -- Potential Places of Refuge
Section Programs and Projects
Lead Staff Sorum, Alan
Committee POVTS

Purpose and Description

The Council partnered with the Alaska Department of Environmental Conservation (ADEC) in 2004 to develop a matrix listing potential places a vessel in distress could be taken that provides shelter from the weather. There is an ADEC webpage related to these Potential Places of Refuge (PPOR) at:

<http://dec.alaska.gov/spar/perp/pwspor/wg.htm>

A review of the ADEC website shows that information developed in the 2004 effort has not been updated. This project would seek to update the Potential Places of Refuge (PPOR) matrix to reflect current conditions and develop an interactive job aide to assist the places of refuge decision-making process.

The first phase of this project received its initial funding at the September 2015 Board meeting in Kodiak. The POVTS Committee evaluated the results of the first year's work and has gone on record recommending completion of the final two phases of the effort. A presentation was made about the project to the Prince William Sound Subarea Committee and it was positively received by representatives of Andeavor (Tesoro). We anticipate better participation from at least this shipper in finishing this project.

How does this program or project support PWSRCAC's mission?

Establishment of places of refuge is recognized by the International Maritime Organization and governmental agencies as an important marine safety and pollution mitigation measure. Appropriate guidance for choosing acceptable places of refuge is needed by regulators, vessel masters and salvors. The Council's close involvement with the Sound means it can help shape environmental assessments being conducted, identify environmentally sensitive areas, craft response strategies and help inform the public about potential implications of this planning effort.

How will we know when this program or project is finished?

The project will be finished upon completion of an updated PPOR Matrix that will be provided to the regulatory agencies.

How will information and/or results from the program or project be used?

Establishment of preplanned places of refuge provide communities, regulators and industry a chance to consider local knowledge and conditions prior to a crisis. An accurate PPOR matrix provides the Coast Guard Captain of the Port an additional tool in the decision making process associated with placing a vessel in sheltered location. Gathering information on potential sites from stakeholders in advance of an incident is always a preferred planning approach.

Objectives

- 1 Using the existing list of PPORs for Prince William Sound and the AVTEC navigational database, verify existing sites and identify other potential locations.
 - 2 Using a local climatology of extreme navigation conditions at each PPOR compiled by the Alaska Experimental Forecast Facility based on archived data for Prince William Sound:
 - a. Develop a scenario based on known historic weather conditions.
 - b. Develop a scenario of combined extreme conditions during which mooring in a PPOR might be undertaken. 90% of known worst case conditions.
 - 3 Refine the simulator database visualization of shoreline details applying recent photographs at each site.
 - 4 Using the AVTEC ship bridge simulator and services of a qualified marine pilot, verify PPOR sites identified in the issue survey can safely moor an oil tanker in extreme conditions.
 - 5 Seek feedback from the original primary project participants on PPOR sites qualified for use in steps one and two.
 - 6 Using the AVTEC ship bridge simulator and a marine pilot, develop suggestions on safe pilotage into each accepted PPOR location.
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- 7 A future project could develop an interactive job aide to assist in the decision-making process used to select a place of refuge.
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Budget Details and Justification

59500 -- Contract Expense	
Estimated cost of contractor to perform project work.	\$ 100,000.00
60000 -- Travel	
Staff travel.	\$ 1,000.00
Total Budget	\$ 101,000.00

Budget Note
