Harbor Economic Impact Model (HEIM)

Presentation to
Alaska Association of Harbormasters and Port Administrators

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Agenda

- Purpose and background
- Methodology
- Demonstration of Beta version
- Questions and comments
- Prizes
Purpose and Background

- Develop user-friendly computer model to:
  - Estimate benefits of harbor facilities to:
    - Local community
    - Region
    - State
  - These benefits often not addressed by Corps of Engineers
  - Without this information it is difficult to document benefits to decision-makers
Data Sources

Survey information
- Eight harbors (Cordova, Craig, Kodiak, Sand Point, Seward, Valdez, Whittier)
- 309 recreational vessels
- 64 charter/tour/other vessels
- 45 commercial fishing
- 54 businesses

Previous reports and models
- Corps of Engineers
- Department of Transportation & Public Facilities
HEIM Flow Chart

Annual harbor revenues and expenses

Description of fleet
- Activity
- Size
- Moorage

Harbor fees, leases, rents, taxes, and expenses
Includes maintenance and new construction

Economic activity
- Sales
- Income and Employment
- Government taxes and services
  - Local, borough, state

Government finances
- Local
- Borough
- State

Annual vessel expenditures
Annual expenditures allocated to harbors by days in area

Harbor facilities and finances
Revenues and expenses per linear foot of moorage plus other categories
Purpose – to obtain feedback on preliminary model

Data collection phase extended to obtain more surveys so some modules not yet completed

- Fiscal effects
- New harbor or harbor expansion
Beta Demonstration
Prizes

- **Most surveys**
  - Vessels – Seward
  - Other Sectors – Kodiak

- **Most surveys per capita**
  - Vessels – Whittier
  - Other sectors – Valdez