From *Harbor Economic Impact Model* to HarborModel.com

A Brief Tour of Models and Resources to Help You Manage Your Port and Harbor Facilities

Mike Fisher

AAHPA Annual Conference · Valdez · 2026



HESS MOUNTAIN GROUP LLC

What We'll Cover

★ **Welcome**
Where I've been and what I've been up to

1 **Part 1: A History of the *Harbor Economic Impact Model***
Where it all started, and why

2 **Part 2: Overview of HarborModel.com**
Resources available now, potential resources in the future

3 **Part 3: Where We're Headed**
The goal of online tools and resources on my website

Q&A **Thank You & Discussion**
I want to hear from you

PART 1

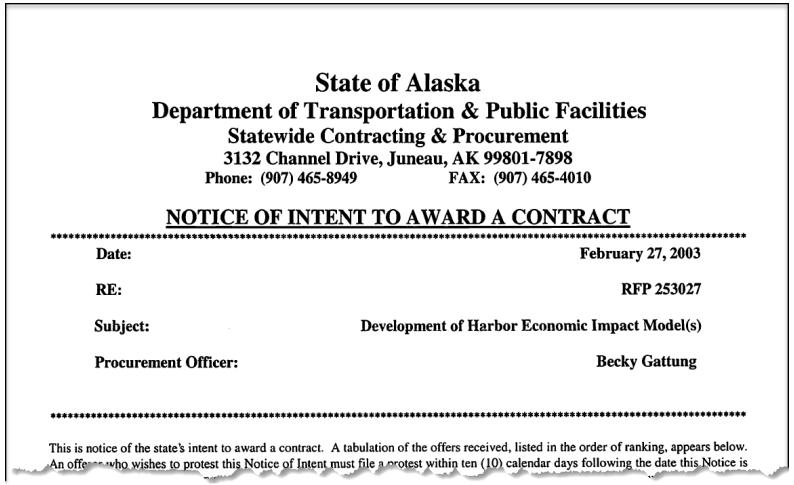


A History of the *Harbor* Economic Impact Model

Where it all started, and why

The *Harbor Economic Impact Model* began with this group.

AAHPA supported an Alaska DOT&PF procurement to fund the model's creation.



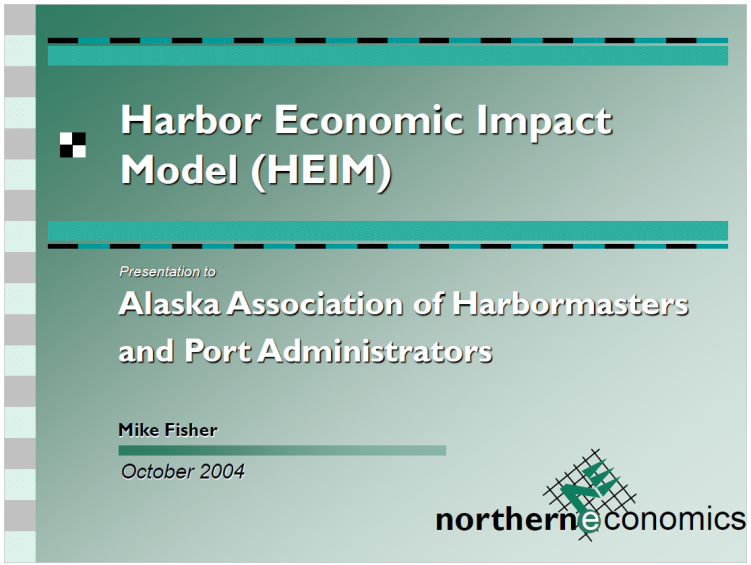
State of Alaska
Department of Transportation & Public Facilities
Statewide Contracting & Procurement
3132 Channel Drive, Juneau, AK 99801-7898
Phone: (907) 465-8949 FAX: (907) 465-4010

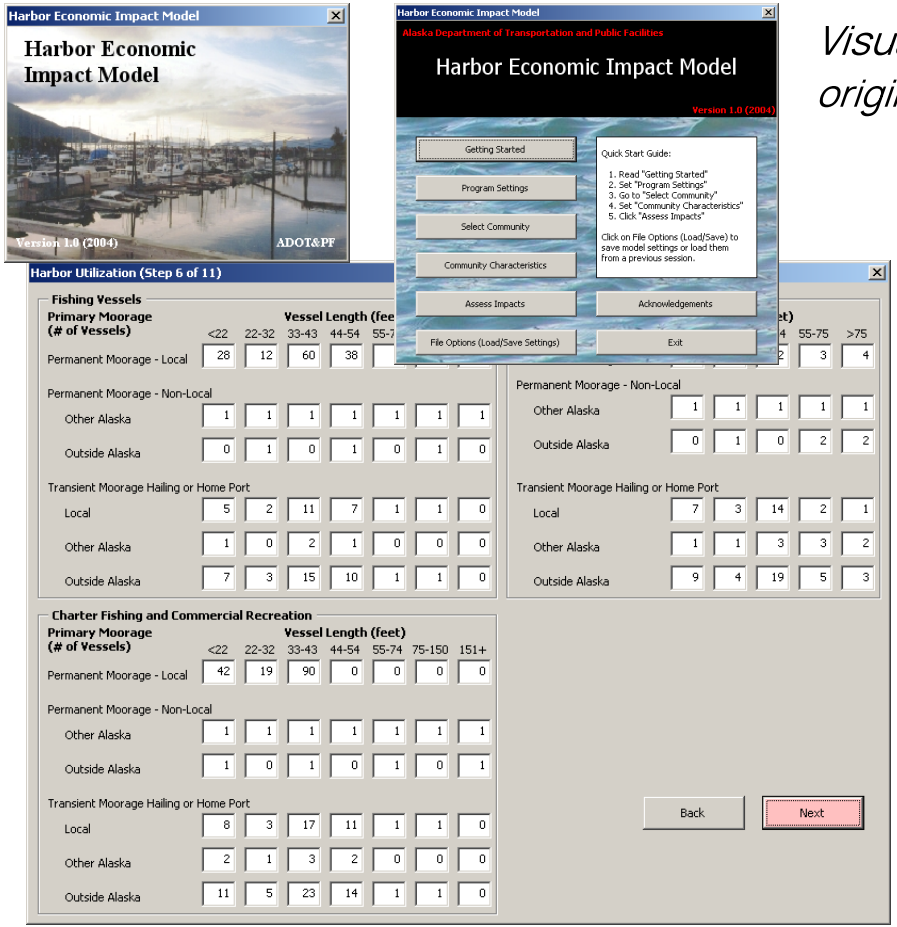
NOTICE OF INTENT TO AWARD A CONTRACT

Date:	**February 27, 2003**
RE:	**RFP 253027**
Subject:	**Development of Harbor Economic Impact Model(s)**
Procurement Officer:	**Becky Gattung**

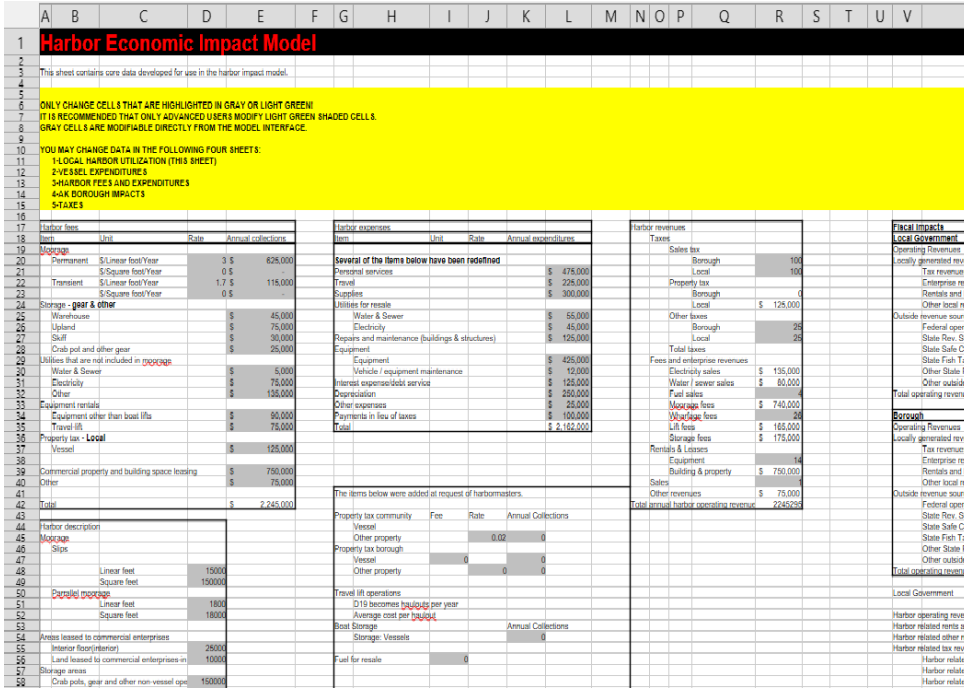
This is notice of the state's intent to award a contract. A tabulation of the offers received, listed in the order of ranking, appears below. An offeror who wishes to protest this Notice of Intent must file a protest within ten (10) calendar days following the date this Notice is

The purpose:
"quantify the benefits of Alaska harbor facilities to local communities, the region, and the state of Alaska."

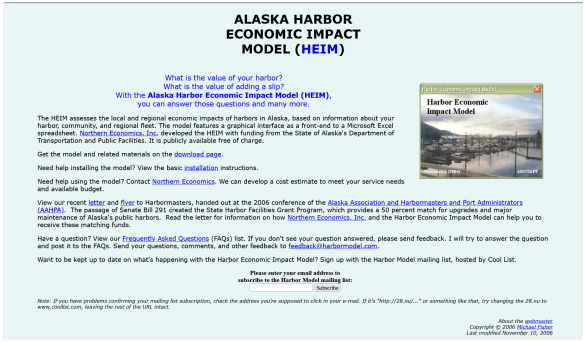




Visual interface from the original 2004 model



One of the sheets from the original Excel model



ALASKA HARBOR ECONOMIC IMPACT MODEL (HEIM)

What is the value of your harbor?
What is the value of adding a slip?
With the **Alaska Harbor Economic Impact Model (HEIM)**,
you can answer those questions and many more.

The HEIM assesses the local and regional economic impacts of harbors in Alaska, based on information about your harbor, community, and regional fleet. The model features a graphical interface as a front-end to a Microsoft Excel spreadsheet. Northern Economics, Inc. developed the HEIM with funding from the State of Alaska's Department of Transportation and Public Facilities. It is publicly available free of charge.

Get the model and related materials on the download page.

Need help installing the model? View the basic installation instructions.

Need help using the model? Contact Northern Economics. We can develop a cost estimate to meet your service needs and available budget.

View our recent letter and flyer to Harbormasters, handed out at the 2006 conference of the Alaska Association and Harbormasters and Port Administrators (AkHPA). The passage of Senate Bill 291 created the State Harbor Facilities Grant Program, which provides a 50 percent match for upgrades and major maintenance of Alaska's public harbors. Read the letter for information on how Northern Economics, Inc. and the Harbor Economic Impact Model can help you to receive these matching funds.

Have a question? View our Frequently Asked Questions (FAQs) list. If you don't see your question answered, please send feedback. I will try to answer the question and post it to the FAQs. Send your questions, comments, and other feedback to feedback@harbormodel.com.

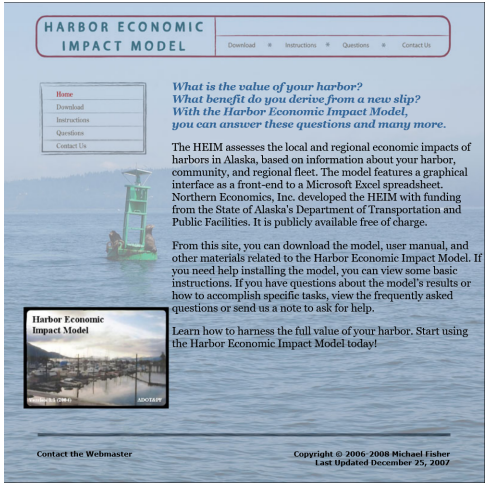
Want to be kept up to date on what's happening with the Harbor Economic Impact Model? Sign up with the Harbor Model mailing list, hosted by Cool List.

Please enter your email address to subscribe to the Harbor Model mailing list:
Subscribe

Note: If you have problems confirming your mailing list subscription, check the address you're supposed to click in your e-mail. If it's "http://28.nu/..." or something like that, try changing the 28.nu to www.coollist.com, leaving the rest of the URL intact.

About the webmaster
Copyright © 2006 Michael Fisher
Last modified November 10, 2006

February 19, 2007 snapshot from archive.org



HARBOR ECONOMIC IMPACT MODEL

Download ★ Instructions ★ Questions ★ Contact Us

Home
Download
Instructions
Questions
Contact Us

What is the value of your harbor?
What benefit do you derive from a new slip?
With the Harbor Economic Impact Model,
you can answer these questions and many more.

The HEIM assesses the local and regional economic impacts of harbors in Alaska, based on information about your harbor, community, and regional fleet. The model features a graphical interface as a front-end to a Microsoft Excel spreadsheet. Northern Economics, Inc. developed the HEIM with funding from the State of Alaska's Department of Transportation and Public Facilities. It is publicly available free of charge.

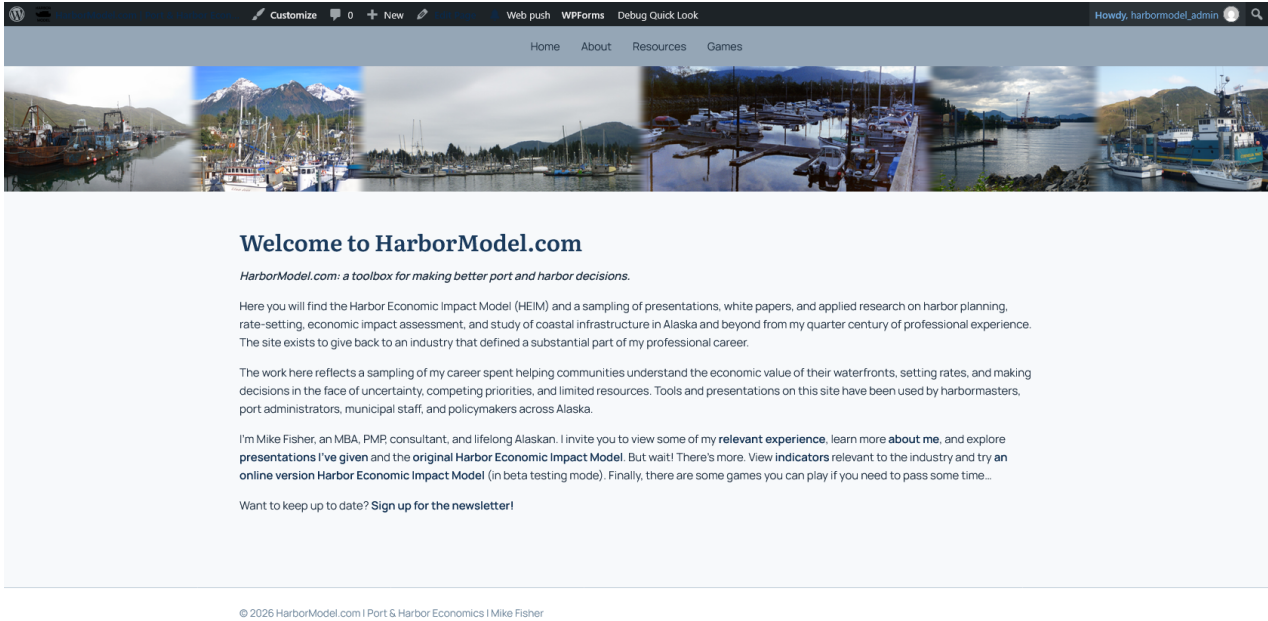
From this site, you can download the model, user manual, and other materials related to the Harbor Economic Impact Model. If you need help installing the model, you can view some basic instructions. If you have questions about the model's results or how to accomplish specific tasks, view the frequently asked questions or send us a note to ask for help.

Learn how to harness the full value of your harbor. Start using the Harbor Economic Impact Model today!

Contact the Webmaster

Copyright © 2006-2008 Michael Fisher
Last Updated December 25, 2007

February 6, 2008 snapshot from archive.org

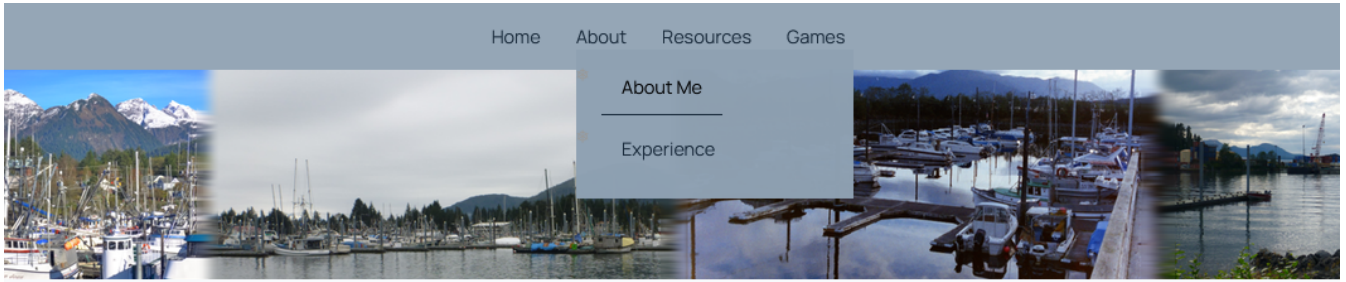


Current website as of October 4, 2026

PART 2

Overview of HarborModel.com

Resources available now, potential resources in the future



About Me

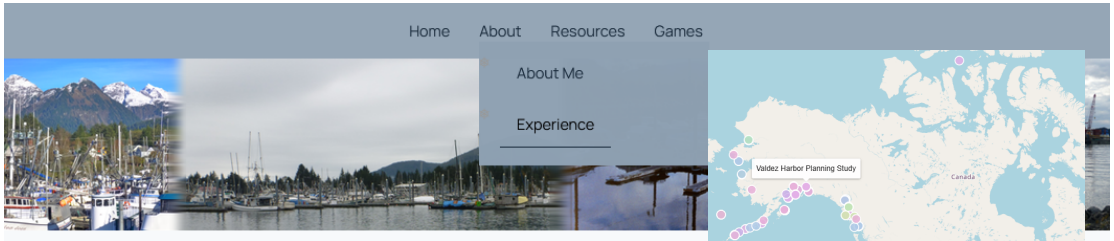
For a quarter century, Mike has proven himself to be an expert on the economics of Alaska's ports and harbors, though his extensive experience providing economic, financial, and planning services to ports and harbors across Alaska. You can view his ports and harbors experience on the **Experience page**, which showcases the feasibility studies, rate studies, planning, and economic impact assessments he's done for the maritime community. Mike also contributed to development of the Harbor Economic Impact Model (HEIM), a tool used by communities statewide to quantify the value of their harbor infrastructure that is also hosted on this website.

Mike holds graduate degrees in business administration and project management, and the **Project Management Professional (PMP) certification**. He has taught graduate courses in Operations Research, Cost Estimating, and Project Cost Management, and published books on cost estimating and project risk management for Alaska's oil and gas sector.

The presentations and resources on this site span Mike's career and are offered as a professional resource for the port and harbor community.

Mike's solo consulting practice, Hess Mountain Group LLC, builds on his professional foundation and takes it in a new direction. At Hess Mountain Group, he works with nonprofits, businesses, and leaders on risk and decision-making, strategic planning, and grant funding strategy, bringing the same rigor to those challenges that he brought to port and harbor economics, along with the perspective of someone who has spent years making real decisions in demanding Alaskan terrain.

*Learn more at **hessmountaingroup.com**.*



Mike's Ports & Harbors Experience

This page provides a dynamic look at my port and harbor resume, based on my experience at North filter, and sort (by clicking on a column heading). Click on a project to see a short description and t in on the dots to view project experience by location.

Search projects... All Regions All Types Reset 98 projects Switch to Map View

YEAR	CLIENT	PROJECT NAME	TYPE	LOCATION	REGION
2025	Municipality of Skagway Borough	Skagway Port and Harbor Rate Study	Rate Study	Skagway, AK	Alaska
2025	Port of Corpus Christi Authority	Tariff Rate Adjustments Study	Rate Study	Corpus Christi, TX	Texas
2025	City of Whittier / Corvus Design	Whittier Development Plan	Economic Study, Planning	Whittier, AK	Alaska
2025	City of Kotzebue / DOWL	Cape Blossom Port Economic Study	Economic Study	Kotzebue / Cape Blossom, AK	Alaska
2024	Matanuska-Susitna Borough / Axiom Environmental	Benefits of the Port MacKenzie Barge Ramp	Benefit-Cost Analysis	Port MacKenzie, AK	Alaska
2024	City of Cordova	Benefit-Cost Analysis for Cordova North Harbor Efficiency and Resiliency Project (2024)	Benefit-Cost Analysis	Cordova, AK	Alaska

Valdez Harbor Planning Study

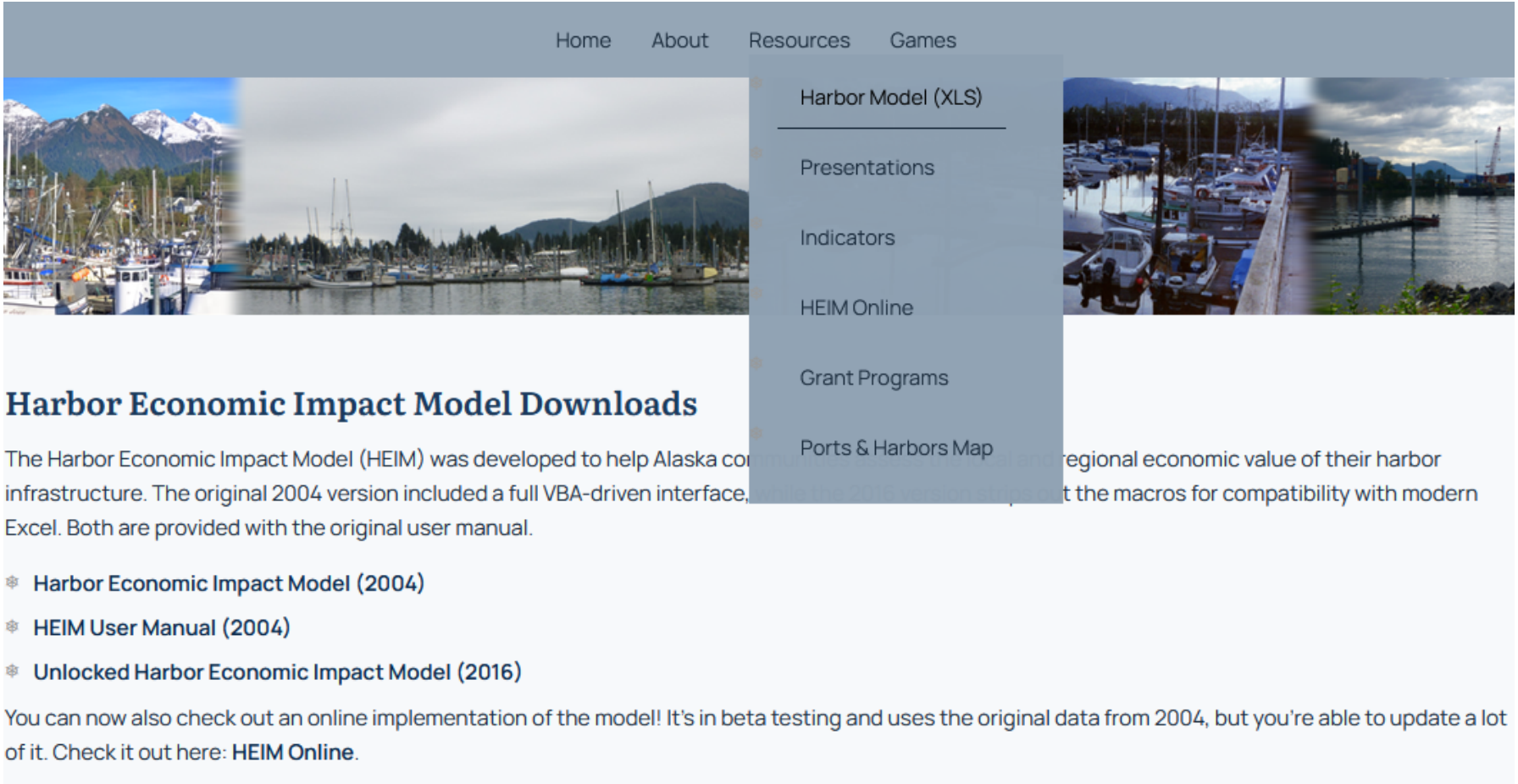
Client: City of Valdez / R&M Consultants

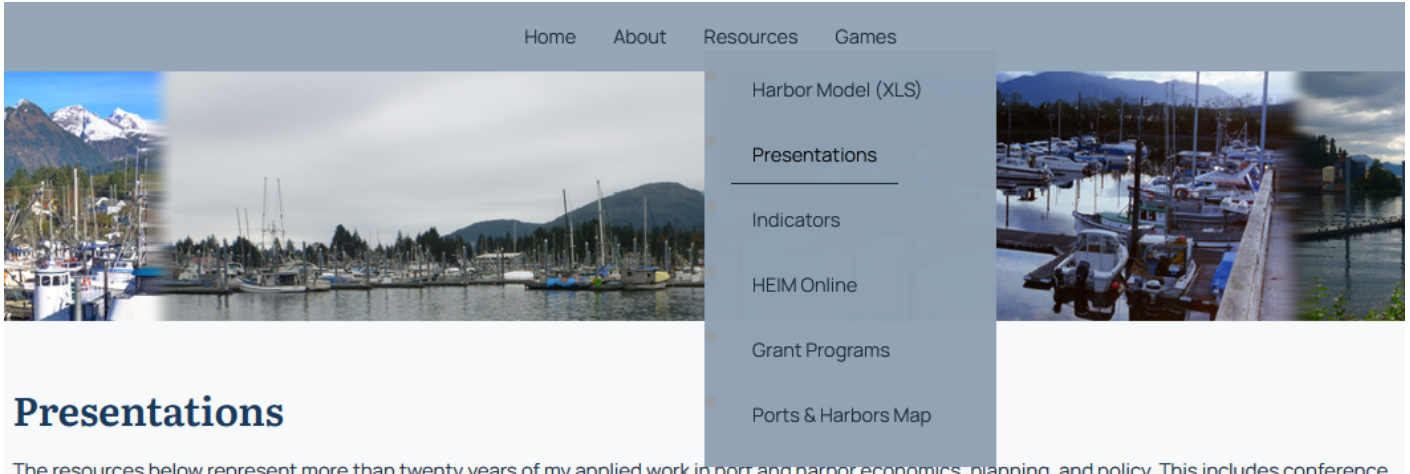
Location: Valdez, AK

Year: 2014

Role: Project Manager

We conducted a feasibility study for a proposed harbor in Valdez, Alaska, which would address crowding in the existing harbor and a long wait list for space. We used a life cycle cost analysis approach to determine the annualized cost of the new facilities and estimated potential moorage and non-moorage revenues that could be generated by the facility, based on the existing harbor rate structure. The analysis found that a subsidy would be required to operate and maintain the harbor. In order to help the City of Valdez make a decision about what level of subsidy would be acceptable and whether it would need to change its rate structure, we conducted an economic impact analysis using the Harbor Economic Impact Model, a model that we developed under contract with the State of Alaska. The analysis showed sufficient local and regional economic activity from harbor operations to justify the annual subsidy. We also conducted a market analysis, focused on five target markets for the harbor and evaluating competing harbors in the region to identify Valdez Harbor's competitive advantages and justify demand for the new harbor. Following our work, the City of Valdez decided to move forward with the new harbor under the current rate structure and harbor construction began in 2015. This work took place in 2012–2014.


Home
About
Resources
Games
Harbor Model (XLS)
Presentations
Indicators
HEIM Online
Grant Programs
Ports & Harbors Map
Harbor Economic Impact Model Downloads
The Harbor Economic Impact Model (HEIM) was developed to help Alaska co
regional economic value of their harbor
infrastructure. The original 2004 version included a full VBA-driven interface,
t the macros for compatibility with modern
Excel. Both are provided with the original user manual.
Harbor Economic Impact Model (2004)
HEIM User Manual (2004)
Unlocked Harbor Economic Impact Model (2016)
You can now also check out an online implementation of the model! It's in beta testing and uses the original data from 2004, but you're able to update a lot
of it. Check it out here: HEIM Online.



Presentations

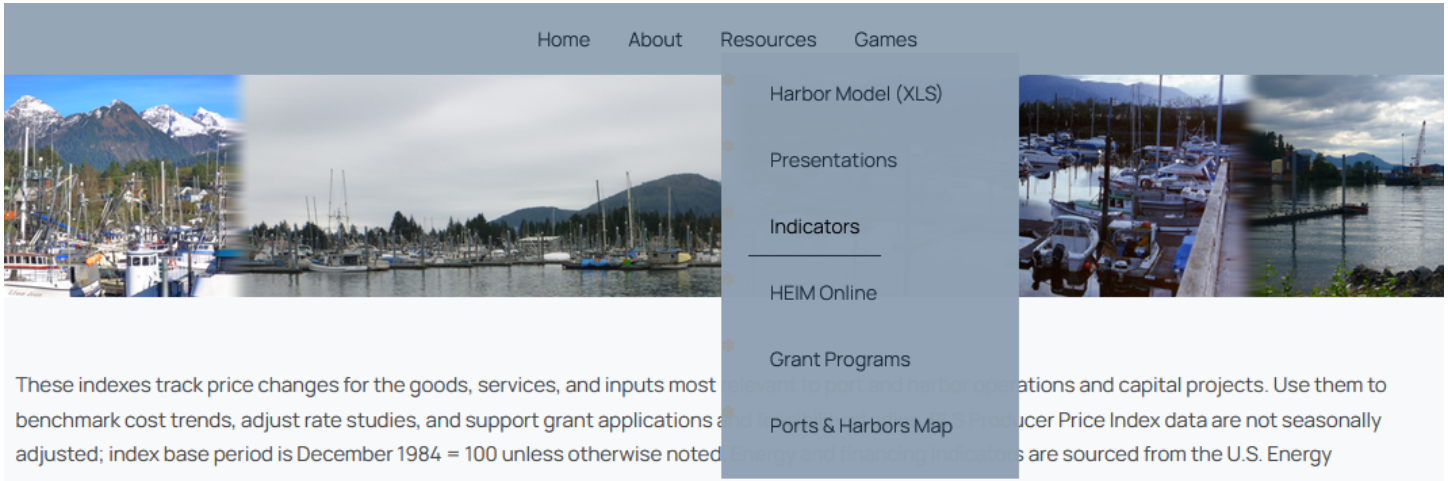
The resources below represent more than twenty years of my applied work in port and harbor economics, planning, and policy. This includes conference presentations delivered primarily to the **Alaska Association of Harbormasters and Port Administrators (AAHPA)** and selected client presentations, through my career at Northern Economics, Inc.

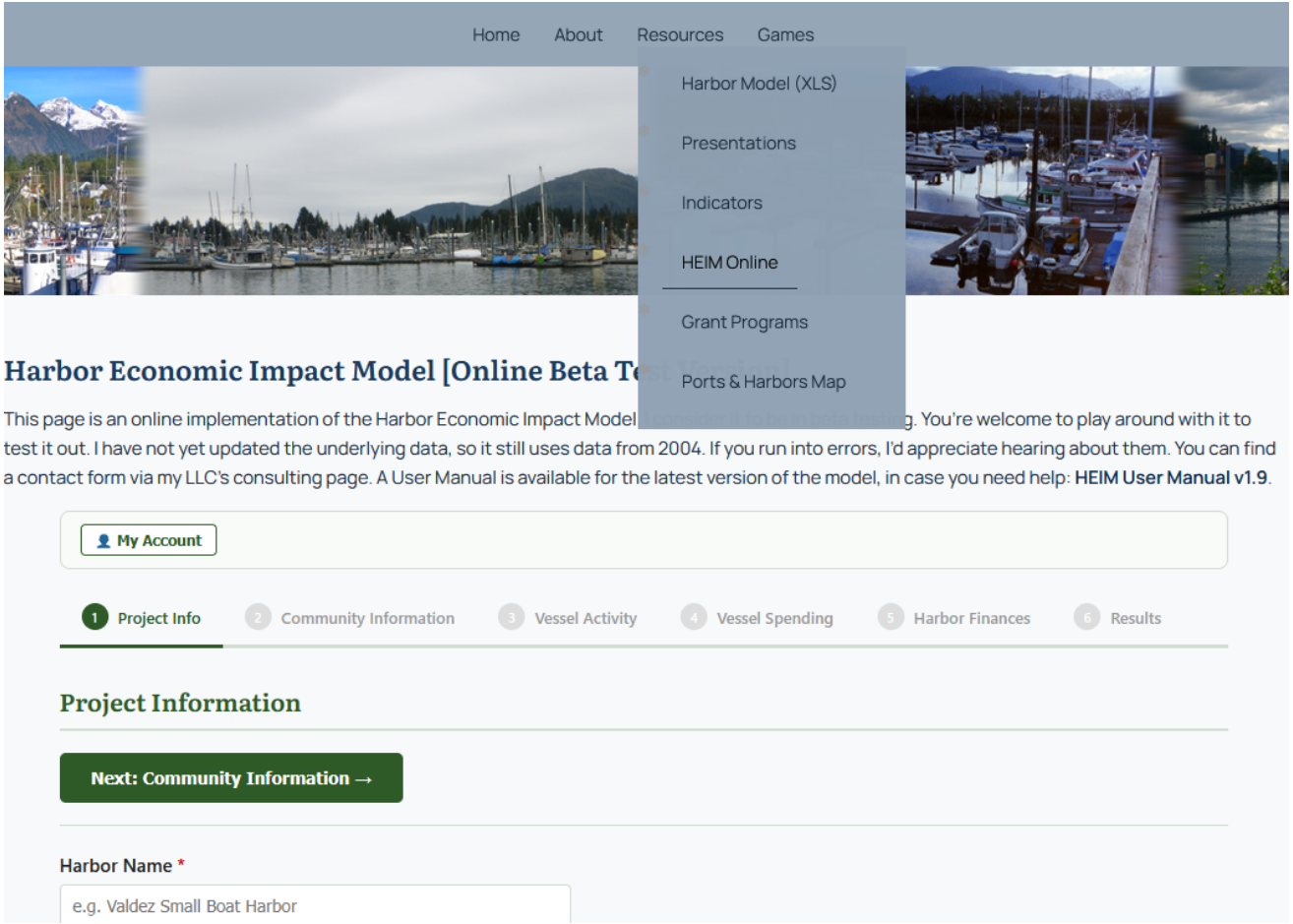
Topics range from economic impact modeling and rate-setting methodology to infrastructure financing, master planning, and Alaska's broader economic trends as they affect coastal communities. All materials are offered as-is for professional and educational use.

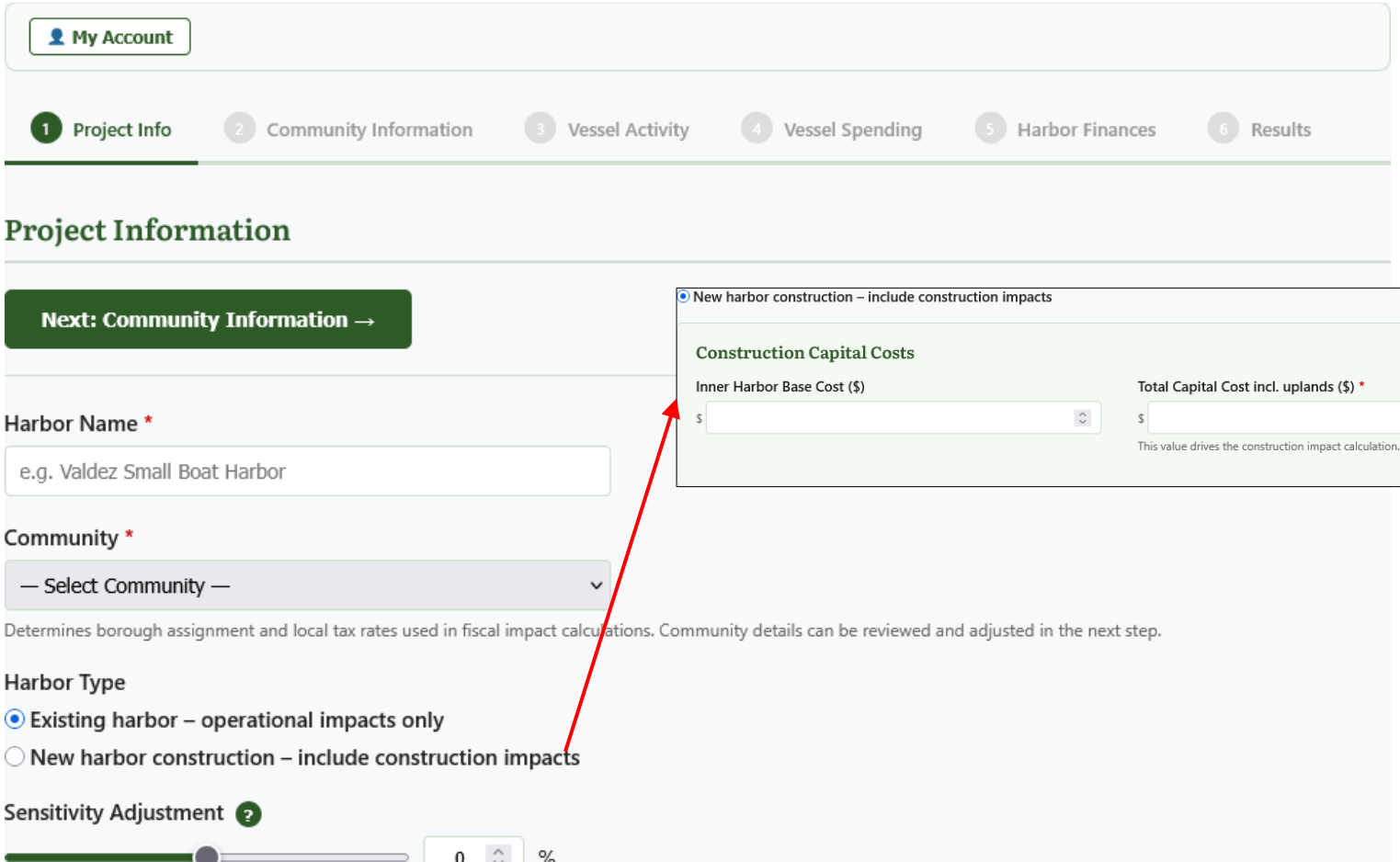
Conference Presentations and White Papers

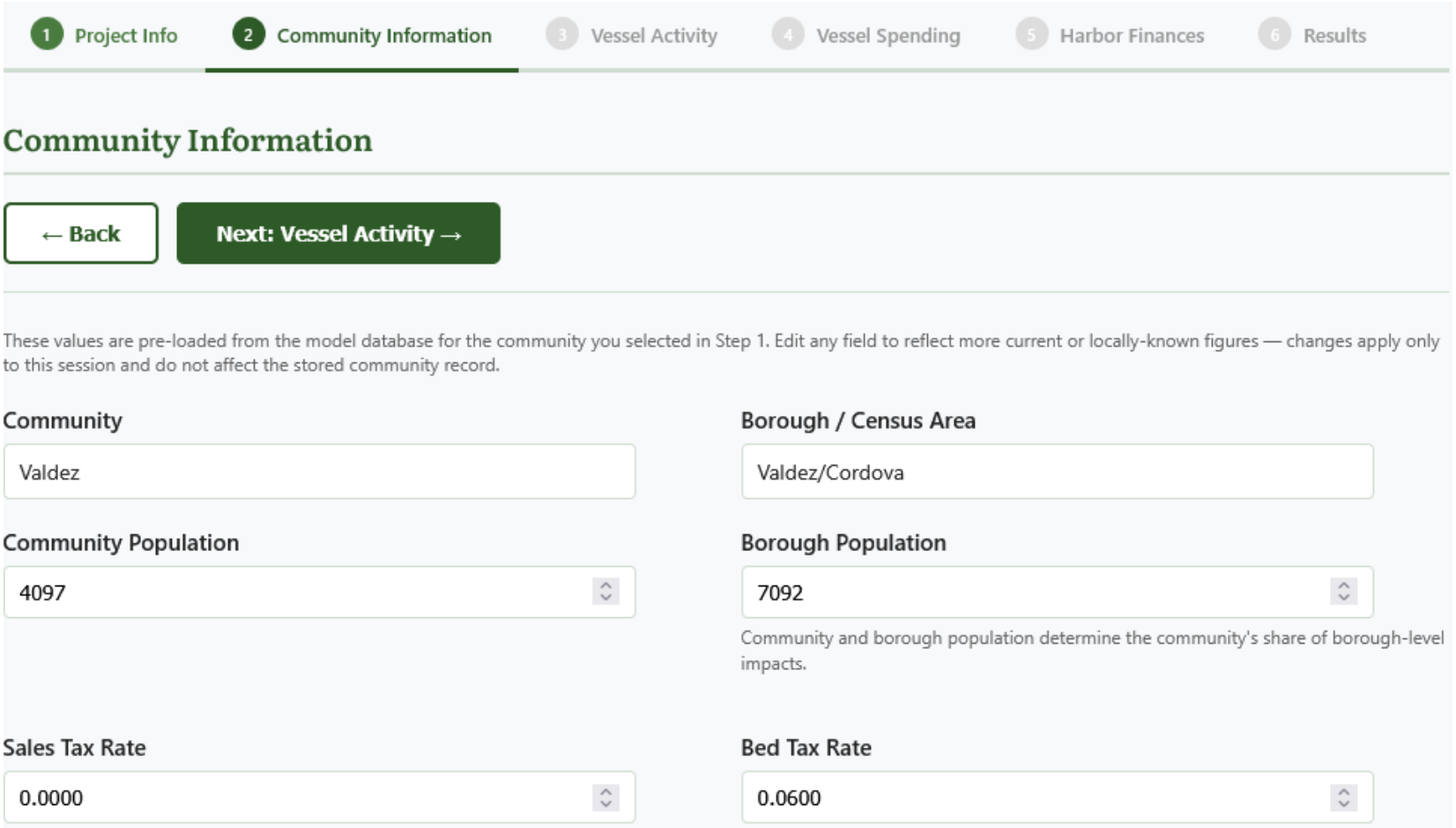
I delivered the following presentations, primarily to annual **AAHPA conferences**, from 2003 through 2024. They trace the evolution of my harbor economics practice in Alaska from early impact modeling to rate-setting, sustainability, and how communities can navigate cost uncertainty.

- **2003: Business Planning for a Cold Storage Facility**
- **2004: HEIM v1.1 Presentation to AAHPA**
- **2005: Float Layout and Modeling Presentation to AAHPA**


Home
About
Resources
Games
Harbor Model (XLS)
Presentations
Indicators
HEIM Online
Grant Programs
Ports & Harbors Map
These indexes track price changes for the goods, services, and inputs most
ations and capital projects. Use them to
benchmark cost trends, adjust rate studies, and support grant applications
ucer Price Index data are not seasonally
adjusted; index base period is December 1984 = 100 unless otherwise noted
are sourced from the U.S. Energy
Information Administration and the Federal Reserve.
Rising year-over-year
Falling year-over-year
Flat or mixed
Showing 5 years of monthly data (2021–present)
Cache updated September 23, 2026
PORT & WATERFRONT OPERATIONS
Port & harbor operations: primary services
PCU488310488310P
223.1 ▲ +3.0% yr/yr
250
200
150
Sub-index of primary service lines. Base: Dec 2003.
Operation of port waterfront terminals
WPU3112
192.2 ▲ +3.0% yr/yr
200
150
100
Commodity-based. Base: Dec 2008.
Water transportation of freight
WPU3014
131.5 ▲ +7.6% yr/yr
140
120
100
Inland & coastal waterway freight movement. Commodity-based.


Home
About
Resources
Games
Harbor Model (XLS)
Presentations
Indicators
HEIM Online
Grant Programs
Ports & Harbors Map
Harbor Economic Impact Model [Online Beta Te
This page is an online implementation of the Harbor Economic Impact Model
g. You're welcome to play around with it to test it out. I have not yet updated the underlying data, so it still uses data from 2004. If you run into errors, I'd appreciate hearing about them. You can find a contact form via my LLC's consulting page. A User Manual is available for the latest version of the model, in case you need help: HEIM User Manual v1.9.
My Account
1 Project Info
2 Community Information
3 Vessel Activity
4 Vessel Spending
5 Harbor Finances
6 Results
Project Information
Next: Community Information →
Harbor Name *
e.g. Valdez Small Boat Harbor


My Account
1 Project Info
2 Community Information
3 Vessel Activity
4 Vessel Spending
5 Harbor Finances
6 Results
Project Information
Next: Community Information →
Harbor Name *
e.g. Valdez Small Boat Harbor
Community *
— Select Community —
Determines borough assignment and local tax rates used in fiscal impact calculations. Community details can be reviewed and adjusted in the next step.
Harbor Type
Existing harbor – operational impacts only
New harbor construction – include construction impacts
Sensitivity Adjustment
0
%
New harbor construction – include construction impacts
Construction Capital Costs
Inner Harbor Base Cost ($)
$
Total Capital Cost incl. uplands ($) *
$
This value drives the construction impact calculation.


1 Project Info
2 Community Information
3 Vessel Activity
4 Vessel Spending
5 Harbor Finances
6 Results
Community Information
← Back
Next: Vessel Activity →
These values are pre-loaded from the model database for the community you selected in Step 1. Edit any field to reflect more current or locally-known figures — changes apply only to this session and do not affect the stored community record.
Community
Valdez
Borough / Census Area
Valdez/Cordova
Community Population
4097
Borough Population
7092
Community and borough population determine the community's share of borough-level impacts.
Sales Tax Rate
0.0000
Bed Tax Rate
0.0600

1 Project Info | 2 Community Information | 3 Vessel Activity | 4 Vessel Spending | 5 Harbor Finances | 6 Results

Vessel Activity

← Back | Next: Vessel Spending →

Average Days Active per Year

Fishing vessels (days/yr)	Charter / commercial recreation (days/yr)	Recreation vessels (days/yr)
165	180	180

Local Harbor Activity – Days in Harbor (Permanent Moorage)

Fishing (days)	Charter / commercial recreation (days)	Recreation (days)
125	125	170

Fishing Vessels

Enter vessel counts by length class (feet). Include all vessels that home-port or visit the harbor.

VESSEL CATEGORY	<22 FT	22-32 FT	33-43 FT	44-54 FT	55-75 FT	75-150 FT	151+ FT
Permanent moorage – local boats	0	0	5	10	10	5	0
Transient – local origin	0	0	0	5	0	0	0
Transient – other Alaska	0	0	5	0	0	0	0
Transient – outside Alaska	0	0	0	0	5	0	0
Total vessels	**0**	**0**	**10**	**15**	**15**	**5**	**0**

Charter Fishing & Commercial Recreation Vessels

VESSEL CATEGORY	<22 FT	22-32 FT	33-43 FT	44-54 FT	55-75 FT	75-150 FT	151+ FT
Permanent moorage – local boats	0	0	0	5	0	0	0
Transient – local origin	0	0	5	0	0	0	0
Transient – other Alaska	0	0	0	5	0	0	0
Transient – outside Alaska	0	0	0	0	5	0	0
Total vessels	**0**	**0**	**5**	**10**	**5**	**0**	**0**

Recreation Vessels

VESSEL CATEGORY	<22 FT	22-36 FT	37-54 FT	54-75 FT	>75 FT
Permanent moorage – local boats	0	10	0	0	0
Transient – local origin	0	10	0	0	0
Transient – other Alaska	0	10	0	0	0
Transient – outside Alaska	0	0	0	0	0
Total vessels	**0**	**30**	**0**	**0**	**0**

← Back | Next: Vessel Spending →

Vessel Spending Rates ?

← Back | Next: Harbor Finances →

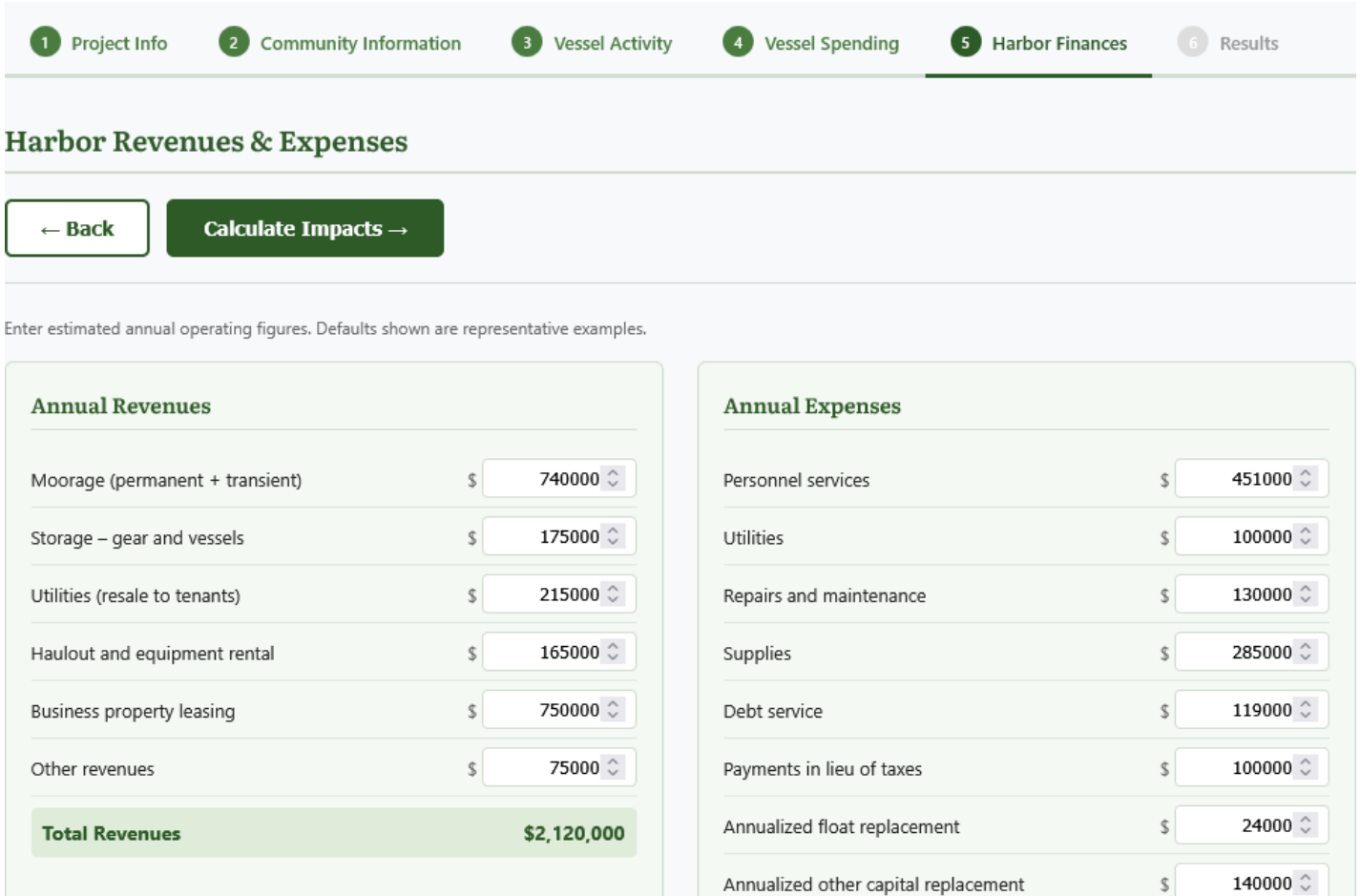
Annual spending per vessel (one boat operating for a full year), by length class and category. Values are pre-loaded from the model database. Edit any cell to reflect local conditions — changes apply only to this session and do not affect the stored defaults. Use the **Reset to defaults** button to restore original values for a vessel type.

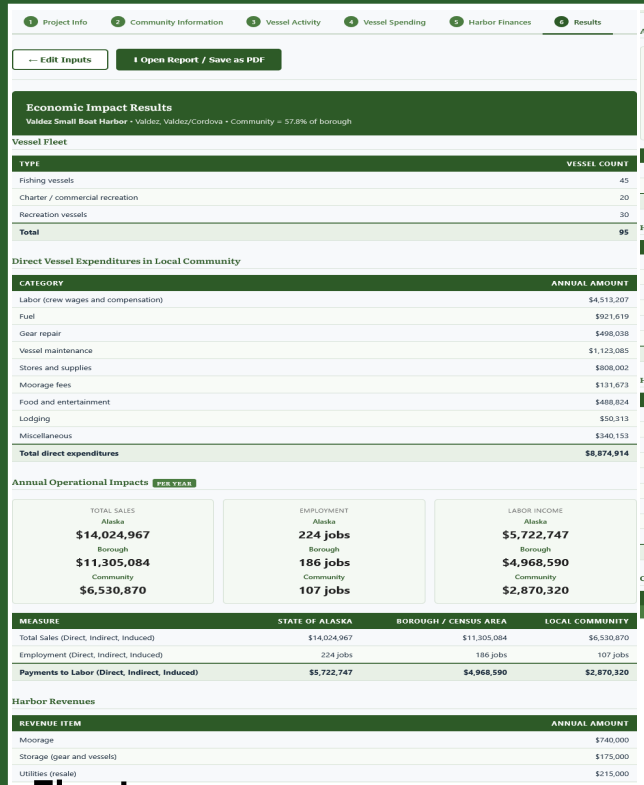
Fishing Vessels

↺ Reset to defaults

SIZE CLASS	LABOR	FUEL	GEAR REPAIR	MAINTENANCE	STORES	MOORAGE	FOOD & ENT.	LODGING	MISC.	ROW TOTAL
<22 ft	24500	13475	2433	630	7228	858	2390	271	1418	$53k
22-32 ft	39865	15435	2835	4830	9730	1208	4037	513	2219	$81k
33-43 ft	73675	19723	4078	12740	15225	1995	7470	812	4871	$141k
44-54 ft	107485	24010	8820	25883	20738	2765	10636	910	7827	$209k
55-75 ft	156678	30258	15733	44993	28735	3903	16454	1265	12003	$310k
75-150 ft	304203	48983	36435	102340	52745	7298	31427	2388	17567	$603k
151+ ft	494778	73185	63193	176435	83738	11673	48947	2952	24911	$980k
Col. Total	$1.2M	$225k	$134k	$368k	$218k	$30k	$121k	$9k	$71k	$2.4M

Dollar amounts are per vessel per year of active operation (one "boat-year"). Larger vessels will naturally have higher totals across all categories.


1 Project Info
2 Community Information
3 Vessel Activity
4 Vessel Spending
5 Harbor Finances
6 Results
Harbor Revenues & Expenses
← Back
Calculate Impacts →
Enter estimated annual operating figures. Defaults shown are representative examples.
Annual Revenues
Moorage (permanent + transient) $ 740000
Storage – gear and vessels $ 175000
Utilities (resale to tenants) $ 215000
Haulout and equipment rental $ 165000
Business property leasing $ 750000
Other revenues $ 75000
Total Revenues $2,120,000
Annual Expenses
Personnel services $ 451000
Utilities $ 100000
Repairs and maintenance $ 130000
Supplies $ 285000
Debt service $ 119000
Payments in lieu of taxes $ 100000
Annualized float replacement $ 24000
Annualized other capital replacement $ 140000



1 Project Info 2 Community Information 3 Vessel Activity 4 Vessel Spending 5 Harbor Finances 6 Results

← Edit Inputs | ⬇ Open Report / Save as PDF

Economic Impact Results

Valdez Small Boat Harbor • Valdez, Valdez/Cordova • Community = 57.8% of borough

Vessel Fleet

TYPE	VESSEL COUNT
Fishing vessels	45
Charter / commercial recreation	20
Recreation vessels	30
Total	**95**

Direct Vessel Expenditures in Local Community

CATEGORY	ANNUAL AMOUNT
Labor (crew wages and compensation)	$4,513,207
Fuel	$921,619
Gear repair	$498,038
Vessel maintenance	$1,123,085
Stores and supplies	$808,002
Moorage fees	$131,673
Food and entertainment	$488,824
Lodging	$50,313
Miscellaneous	$340,153
Total direct expenditures	**$8,874,914**

Annual Operational Impacts PER YEAR

TOTAL SALES	EMPLOYMENT	LABOR INCOME
Alaska	Alaska	Alaska
$14,024,967	224 jobs	$5,722,747
Borough	Borough	Borough
$11,305,084	186 jobs	$4,968,590
Community	Community	Community
$6,530,870	107 jobs	$2,870,320

MEASURE	STATE OF ALASKA	BOROUGH / CENSUS AREA	LOCAL COMMUNITY
Total Sales (Direct, Indirect, Induced)	$14,024,967	$11,305,084	$6,530,870
Employment (Direct, Indirect, Induced)	224 jobs	186 jobs	107 jobs
Payments to Labor (Direct, Indirect, Induced)	**$5,722,747**	**$4,968,590**	**$2,870,320**

Harbor Revenues

REVENUE ITEM	ANNUAL AMOUNT
Moorage	$740,000
Storage (gear and vessels)	$175,000
Utilities (resale)	$215,000



Annual Operational Impacts PER YEAR

TOTAL SALES	EMPLOYMENT	LABOR INCOME
Alaska	Alaska	Alaska
$14,024,967	224 jobs	$5,722,747
Borough	Borough	Borough
$11,305,084	186 jobs	$4,968,590
Community	Community	Community
$6,530,870	107 jobs	$2,870,320

MEASURE	STATE OF ALASKA	BOROUGH / CENSUS AREA	LOCAL COMMUNITY
Total Sales (Direct, Indirect, Induced)	$14,024,967	$11,305,084	$6,530,870
Employment (Direct, Indirect, Induced)	224 jobs	186 jobs	107 jobs
Payments to Labor (Direct, Indirect, Induced)	**$5,722,747**	**$4,968,590**	**$2,870,320**

Harbor Revenues

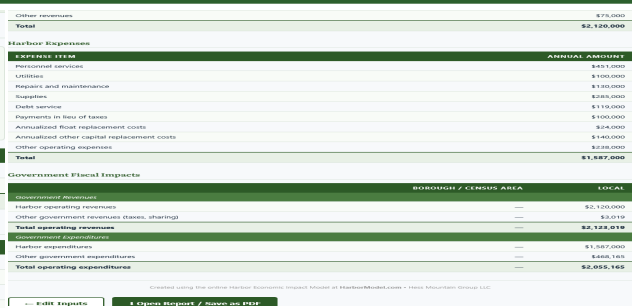
REVENUE ITEM	ANNUAL AMOUNT
Moorage	$740,000
Storage (gear and vessels)	$175,000
Utilities (resale)	$215,000
Haulout and equipment rental	$165,000
Business property leasing	$750,000
Other revenues	$75,000
Total	**$2,120,000**

Harbor Expenses

EXPENSE ITEM	ANNUAL AMOUNT
Personnel services	$451,000
Utilities	$100,000
Repairs and maintenance	$130,000
Supplies	$285,000
Debt service	$119,000
Payments in lieu of taxes	$100,000
Annualized float replacement costs	$24,000
Annualized other capital replacement costs	$140,000
Other operating expenses	$238,000
Total	**$1,587,000**

Government Fiscal Impacts

	BOROUGH / CENSUS AREA	LOCAL
Government Revenues		



Other revenues		$75,000
Total		**$2,120,000**

Harbor Expenses

EXPENSE ITEM	ANNUAL AMOUNT
Personnel services	$451,000
Utilities	$100,000
Repairs and maintenance	$130,000
Supplies	$285,000
Debt service	$119,000
Payments in lieu of taxes	$100,000
Annualized float replacement costs	$24,000
Annualized other capital replacement costs	$140,000
Other operating expenses	$238,000
Total	**$1,587,000**

Government Fiscal Impacts

	BOROUGH / CENSUS AREA	LOCAL
Government Revenues		
Harbor operating revenues	—	$2,120,000
Other government revenues (taxes, sharing)	—	$3,019
Total operating revenues	—	**$2,123,019**
Government Expenditures		
Harbor expenditures	—	$1,587,000
Other government expenditures	—	$468,165
Total operating expenditures	—	**$2,055,165**

Created using the online Harbor Economic Impact Model at HarborModel.com • Hess Mountain Group LLC

← Edit Inputs | ⬇ Open Report / Save as PDF

Fleet summary

Direct vessel expenditures

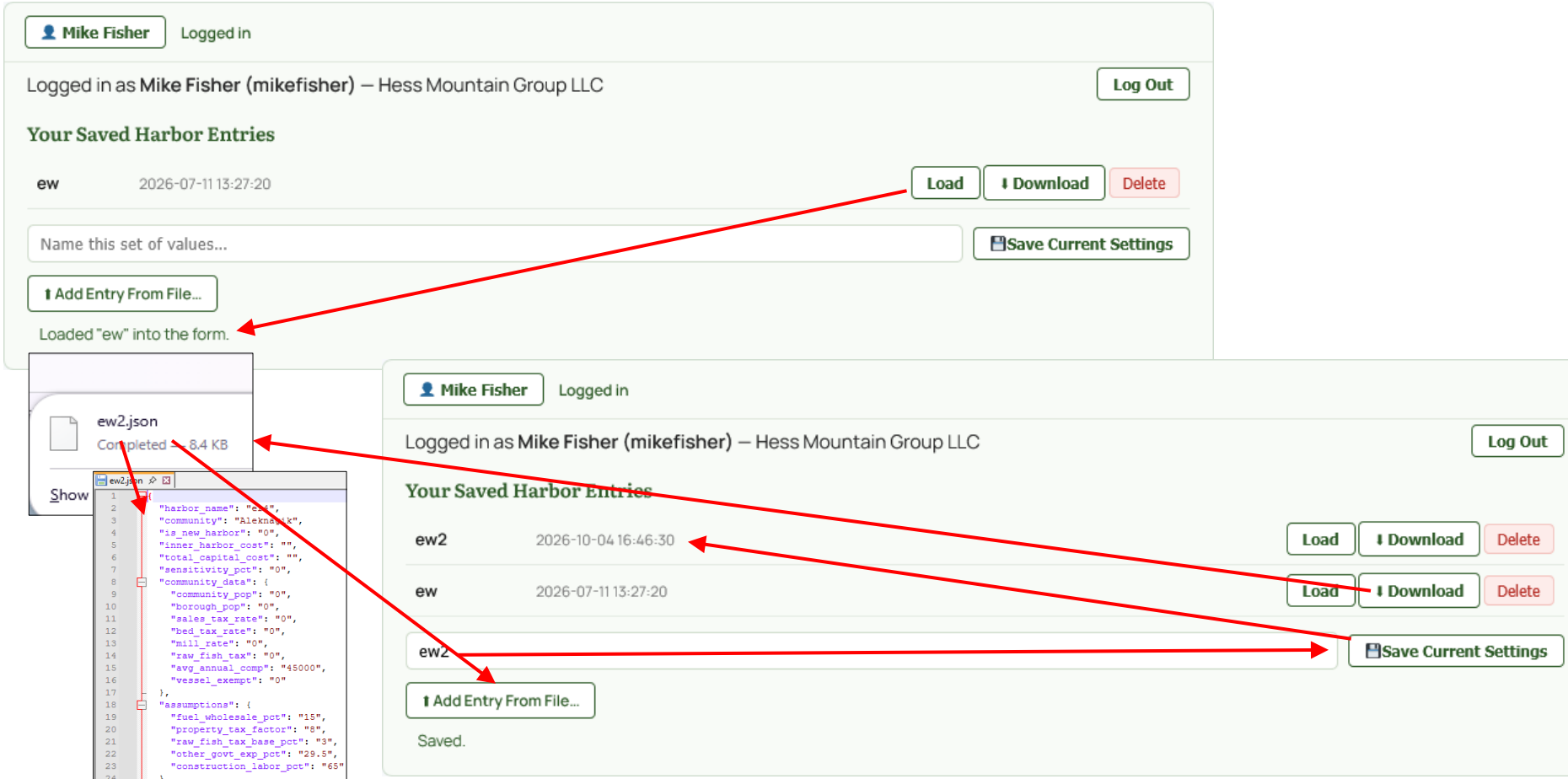
Annual operational impacts

Total sales, jobs, and payments to labor

Harbor revenues

Harbor expenses

Government fiscal impacts

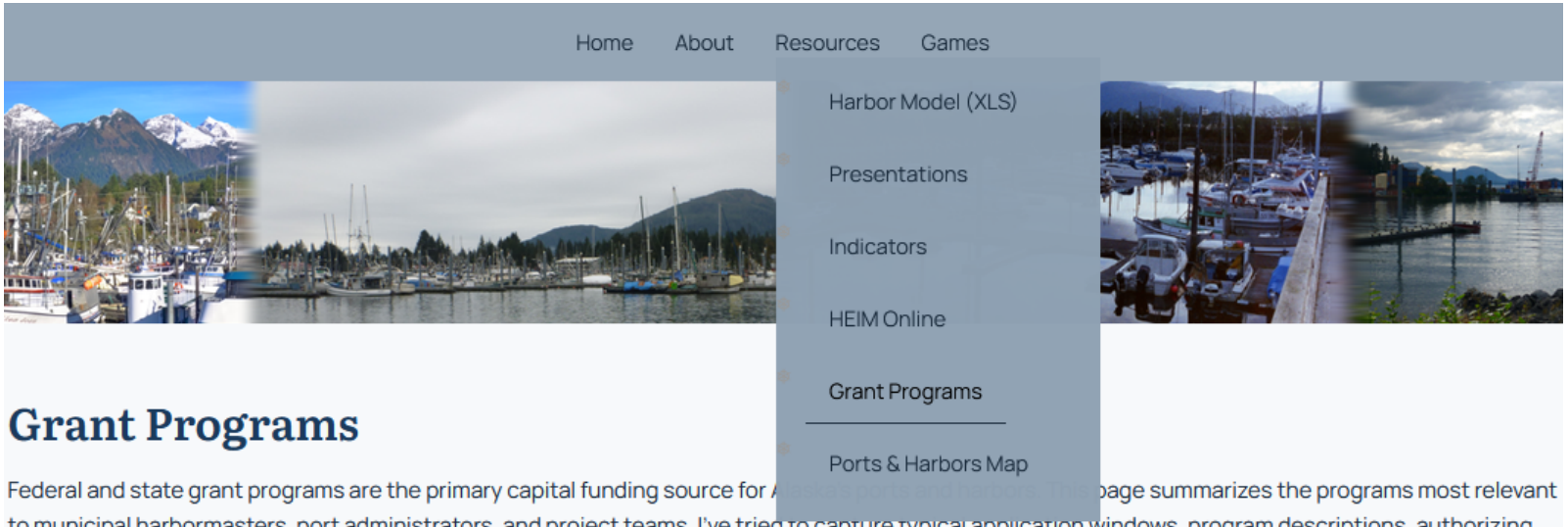

Mike Fisher
Logged in
Logged in as Mike Fisher (mikefisher) — Hess Mountain Group LLC
Log Out
Your Saved Harbor Entries
ew
2026-07-11 13:27:20
Load
Download
Delete
Name this set of values...
Save Current Settings
Add Entry From File...
Loaded "ew" into the form.
ew2.json
Completed — 8.4 KB
Show
ew2.json
{
"harbor_name": "ew",
"community": "Alekhalik",
"is_new_harbor": "0",
"inner_harbor_cost": "",
"total_capital_cost": "",
"sensitivity_pct": "0",
"community_data": {
"community_pop": "0",
"borough_pop": "0",
"sales_tax_rate": "0",
"bed_tax_rate": "0",
"mill_rate": "0",
"raw_fish_tax": "0",
"avg_annual_comp": "45000",
"vessel_exempt": "0"
},
"assumptions": {
"fuel_wholesale_pct": "15",
"property_tax_factor": "8",
"raw_fish_tax_base_pct": "3",
"other_govt_exp_pct": "29.5",
"construction_labor_pct": "65"
},
Mike Fisher
Logged in
Logged in as Mike Fisher (mikefisher) — Hess Mountain Group LLC
Log Out
Your Saved Harbor Entries
ew2
2026-10-04 16:46:30
Load
Download
Delete
ew
2026-07-11 13:27:20
Load
Download
Delete
ew2
Save Current Settings
Add Entry From File...
Saved.

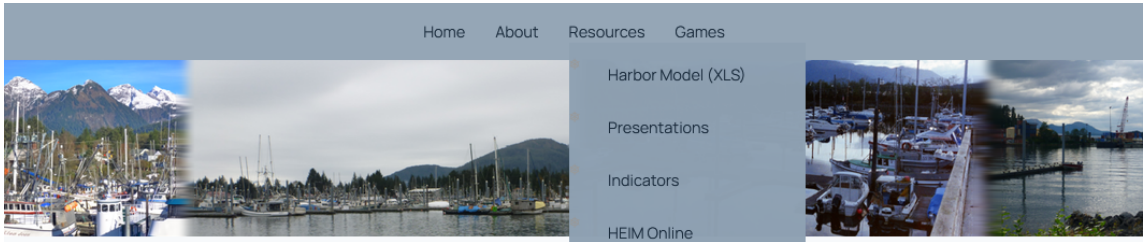
User manuals are available to walk you through the model.

The user manual for the online tool was generated by an AI review of the code. It provides a good overview of the new system.

The original 2004 use manual explains more about the information you're asked to provide and the mechanics behind the calculations.




Home
About
Resources
Games
Harbor Model (XLS)
Presentations
Indicators
HEIM Online
Grant Programs
Ports & Harbors Map
Grant Programs
Federal and state grant programs are the primary capital funding source for
page summarizes the programs most relevant to municipal harbormasters, port administrators, and project teams. I've tried to capture typical application windows, program descriptions, authorizing legislation, and links to program pages. Application deadlines shift from year to year, so use this site as a starting point, but verify current dates on the official program websites.
I am in the process of building this page, so stay tuned!
Better Utilizing Investments to Leverage Development (BUILD)
ACTIVE
U.S. Department of Transportation — Office of the Secretary
BCA REQUIRED
Municipal Harbor Facility Grant Program
ACTIVE
State of Alaska — Department of Transportation & Public Facilities (DOT&PF)
MATCH REQUIREMENT
50%

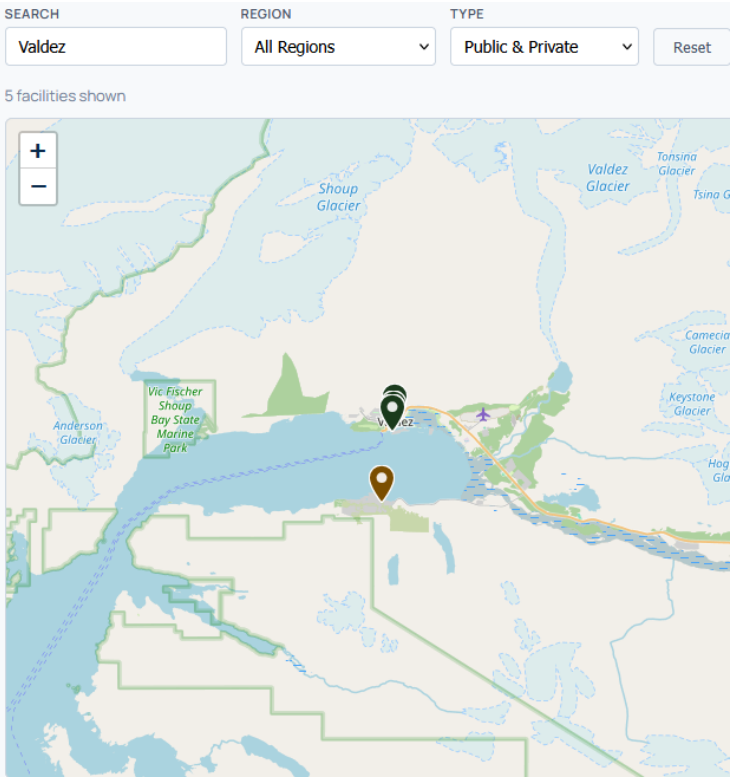


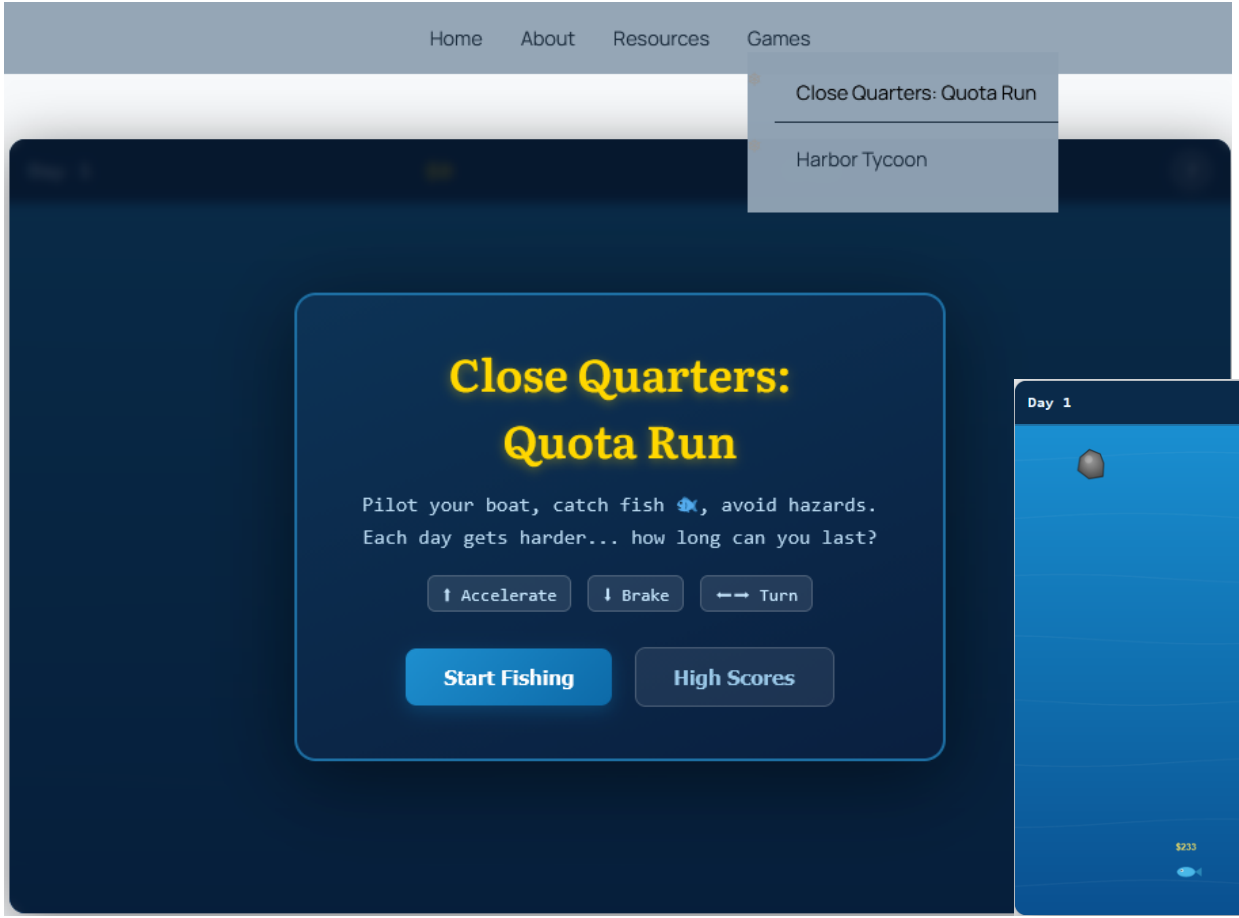
The information used for this table/map is preliminary, based on automated … touched by hand. If you would like to see a change (adding, removing, moving, renaming, etc.), please reach out with th… he map. I hope this is beneficial!

SEARCH: Facility or community...
REGION: All Regions
TYPE: Public & Private
Reset
Table | Map

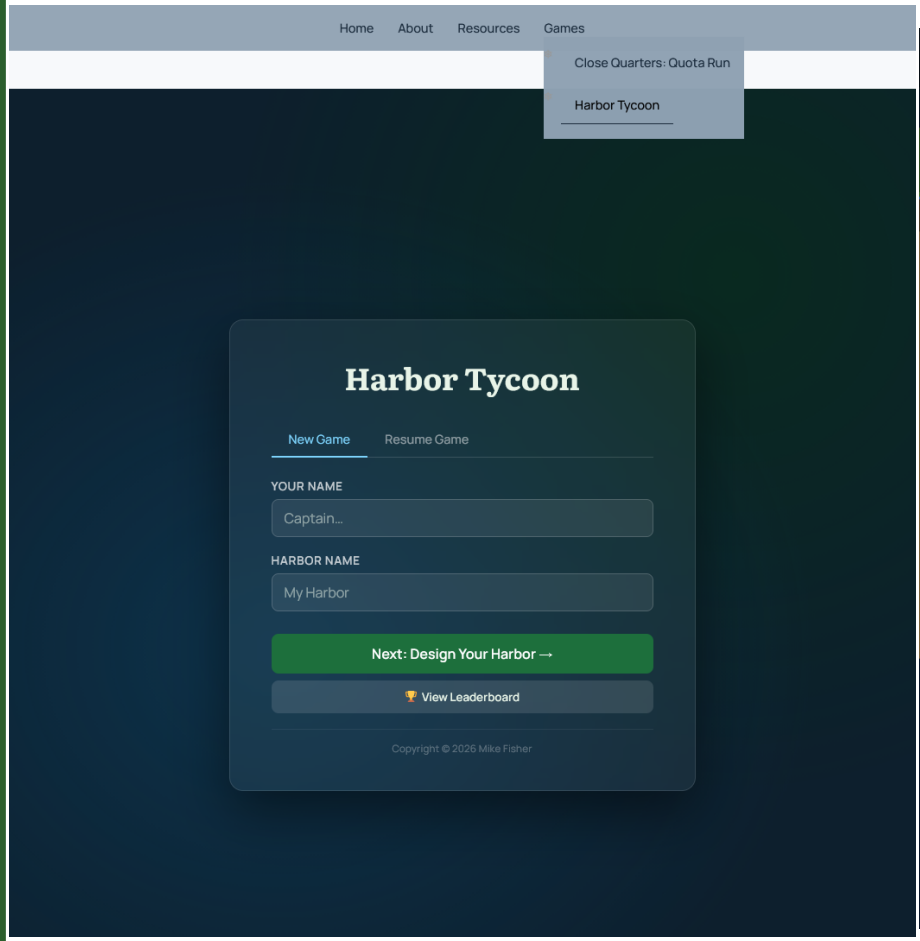
235 facilities shown

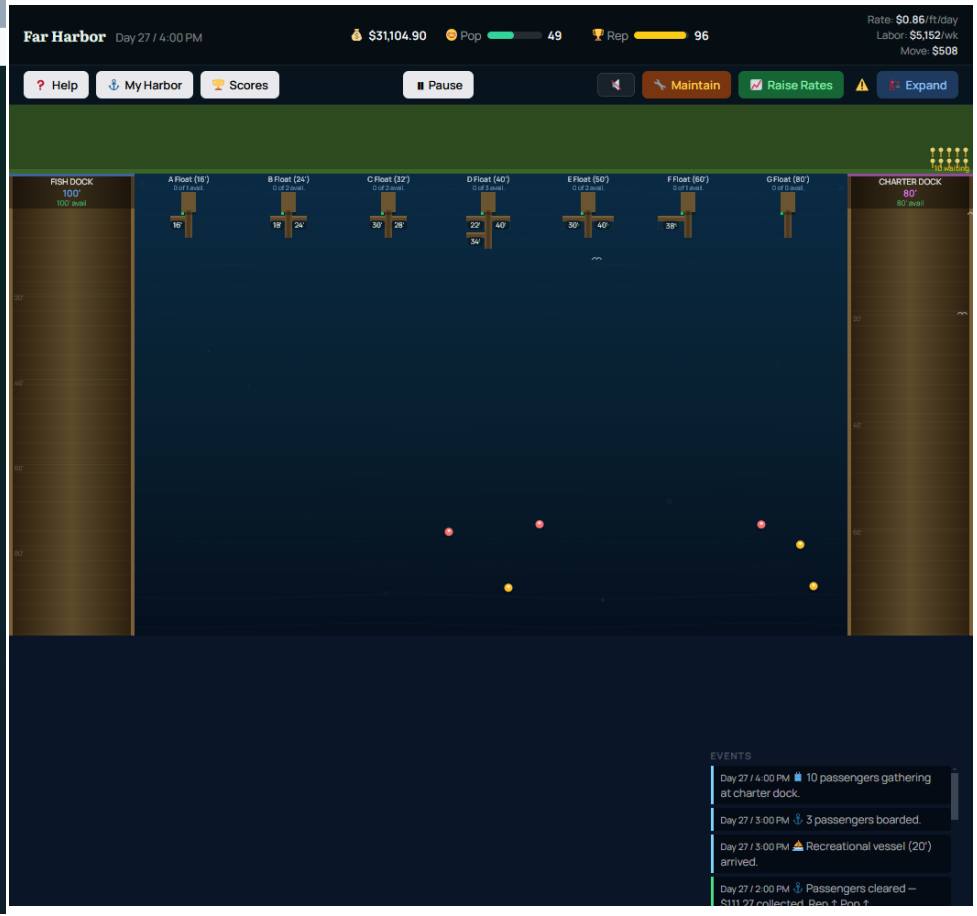
FACILITY NAME	COMMUNITY	REGION	TYPE	WEBSITE
Adak Deep Water Port	Adak	Southwest	Public	–
Adak Fuel Pier	Adak	Southwest	Private	–
Adak Harbor	Adak	Southwest	Public	↗ Visit
Akiak Dock	Akiak	Western & Northern	Public	–
Akutan Dock	Akutan	Southwest	Public	–
Akutan Harbor	Akutan	Southwest	Public	–
Akutan Seafood Processing Dock	Akutan	Southwest	Private	↗ Visit
Alakanuk Dock	Alakanuk	Western & Northern	Public	–
Alaska Marine Lines Terminal	Ketchikan	Southeast	Private	↗ Visit
Allakaket Dock	Allakaket	Interior	Public	–




Home
About
Resources
Games
Close Quarters: Quota Run
Harbor Tycoon
Close Quarters: Quota Run
Pilot your boat, catch fish, avoid hazards.
Each day gets harder... how long can you last?
↑ Accelerate
↓ Brake
←→ Turn
Start Fishing
High Scores


Day 1
$493
1:56
?
+$493
$305
$269
$195
$192
$272
$233


Home
About
Resources
Games
Close Quarters: Quota Run
Harbor Tycoon
Harbor Tycoon
New Game
Resume Game
YOUR NAME
Captain...
HARBOR NAME
My Harbor
Next: Design Your Harbor →
View Leaderboard
Copyright © 2026 Mike Fisher


Far Harbor
Day 27 / 4:00 PM
$31,104.90
Pop
49
Rep
96
Rate: $0.86/ft/day
Labor: $5,152/wk
Move: $508
Help
My Harbor
Scores
Pause
Maintain
Raise Rates
Expand
FISH DOCK
CHARTER DOCK
EVENTS
Day 27 / 4:00 PM 10 passengers gathering at charter dock.
Day 27 / 3:00 PM 3 passengers boarded.
Day 27 / 3:00 PM Recreational vessel (20') arrived.

PART 3



Where We're Headed

The goal of online tools and resources on my website

The Future of HarborModel.com

A go-to decision-support library for Alaska's ports and harbors

CURRENT CONTENT

Tools

- HEIM Online
- Classic HEIM (Excel)

Resources

- Past Presentations
- Indicators
- Grant Programs
- P&H Table and Map
  (started, but needs updates)

Fun Stuff

- Close Quarters: Quota Run
- Harbor Tycoon

Newsletter

- Sign up at harbormodel.com/newsletter

FUTURE TOOLS

What would provide value?

- New or updated tools?
  - Update HEIM?
  - Build out grant tools?
- More data or indicators?
  - Alaska-specific data?
- Cheat sheets/references?
- Tools you help to maintain?

In Progress

- Moorage rates comparison

On the Horizon

- Podcast
- Book

Thank You & Discussion



Thank you for letting me share HarborModel.com. What's next?

1. Try out *HEIM Online*. Create an account and work with it. I appreciate your feedback to fix bugs and improve the tool.
2. Share your ideas for additional tools or resources, either at this conference or by email.
3. Visit HarborModel.com often to watch what's added over time. Sign up for the newsletter to receive updates about the site.

Email me: Website matters
mike@harbormodel.com
mike@hessmountaingroup.com

Email me: Consulting work
michael.fisher@norecon.com

Mike Fisher
Founder, Hess Mountain Group LLC
Associate Senior Consultant, Northern Economics, Inc.
HarborModel.com

This presentation will be posted to HarborModel.com after the conference.