Business Profitability and Community Sustainability

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SUSTAINABLE SOUTHEAST PARTNERSHIP

REAP Renewable Energy Alaska Project

REAP | Renewable Energy Alaska Project

- Education
- Outreach
- Collaboration
- Advocacy

- 5 Staff
- 11 Years
- 68 Members
- 21 Board Members

SUSTAINABLE SOUTHEAST PARTNERSHIP

HAA AANÍ

Alaska Conservation Foundation

SITKA CONSERVATION SOCIETY

GROW SOUTHEAST

REAP
Renewable Energy Alaska Project

The Nature Conservancy
Protecting nature. Preserving life.

SOUTHEAST ALASKA WATERSHED COALITION
CONNECT · INFORM · PARTICIPATE

SEARHC
SOUTHEAST ALASKA REGIONAL HEALTH CONSORTIUM

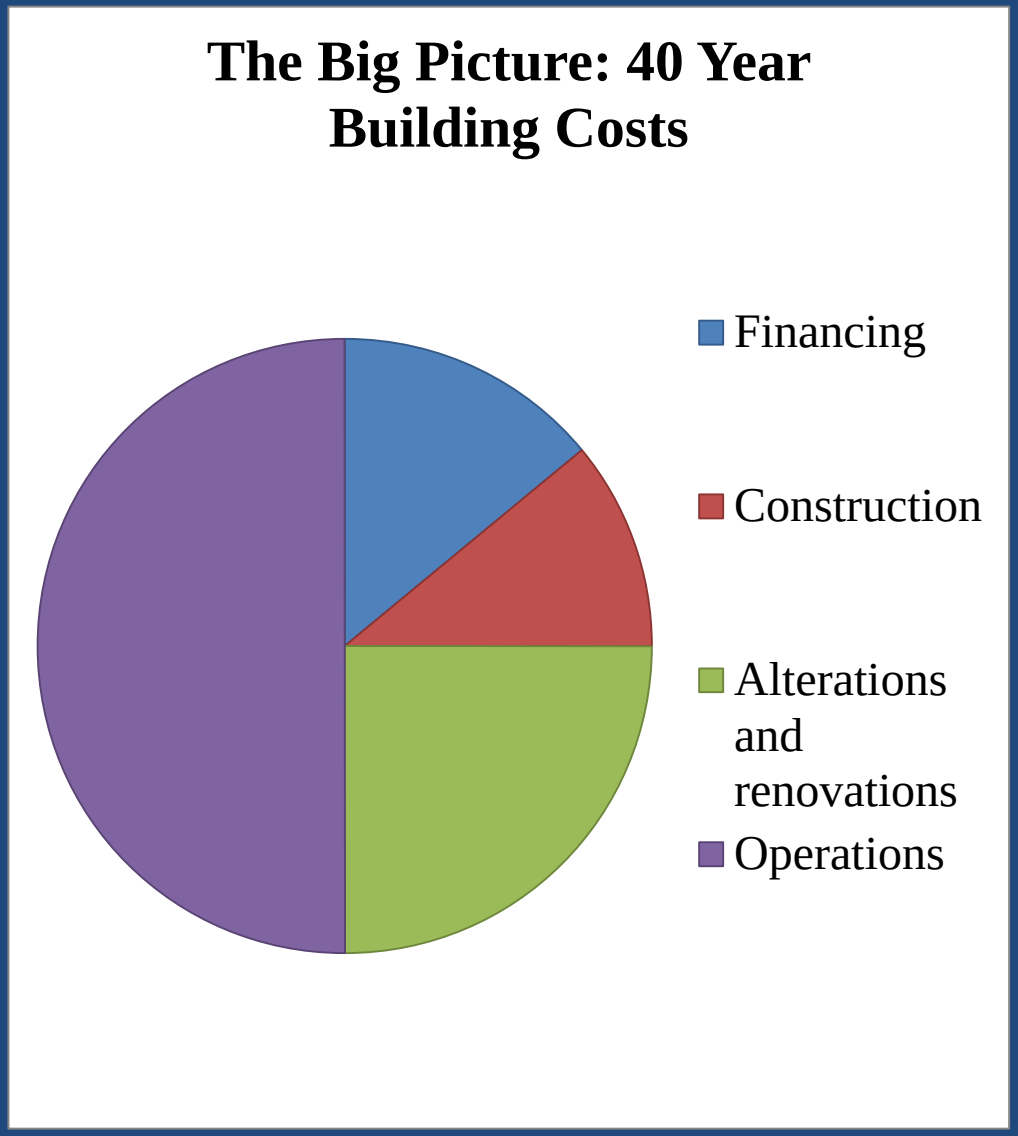
Organized Village of Kake

Central Council Tlingit and Haida
Indian Tribes of Alaska

www.sustainablesoutheast.net
Google Plus Community
Facebook
flickr

Business Profitability and Community Sustainability

Strengthening energy systems and providing more reliable and affordable energy to local governments, households, and businesses

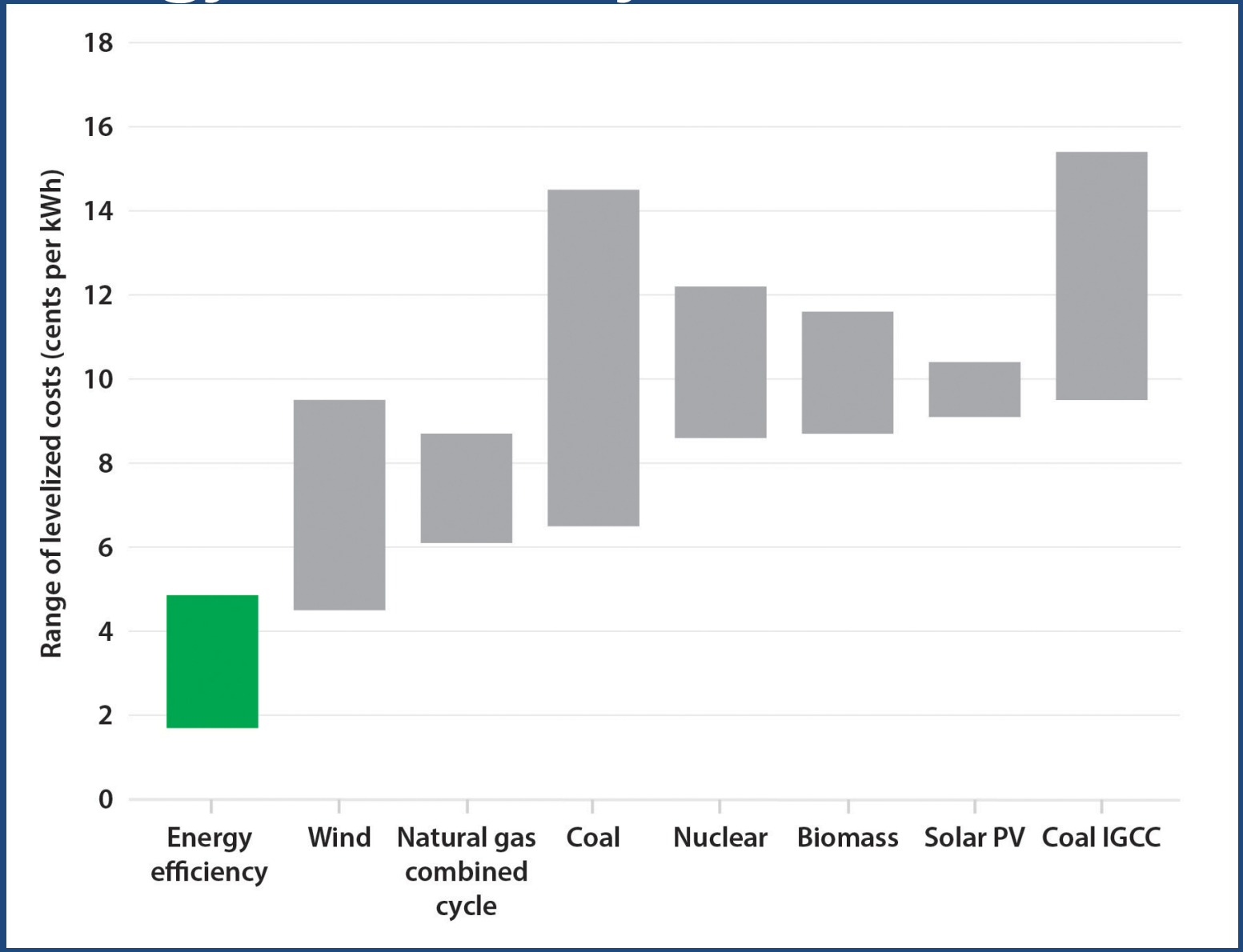


Energy Efficiency: "The First Fuel"

Alaska goal to increase energy efficiency 15% per capita by 2020 and mandate retrofits in 25% of its public buildings.

24 states have Energy Efficiency Resource Standards (EERS).

Energy Efficiency: The First Fuel



VS

Conservation–
Using Less

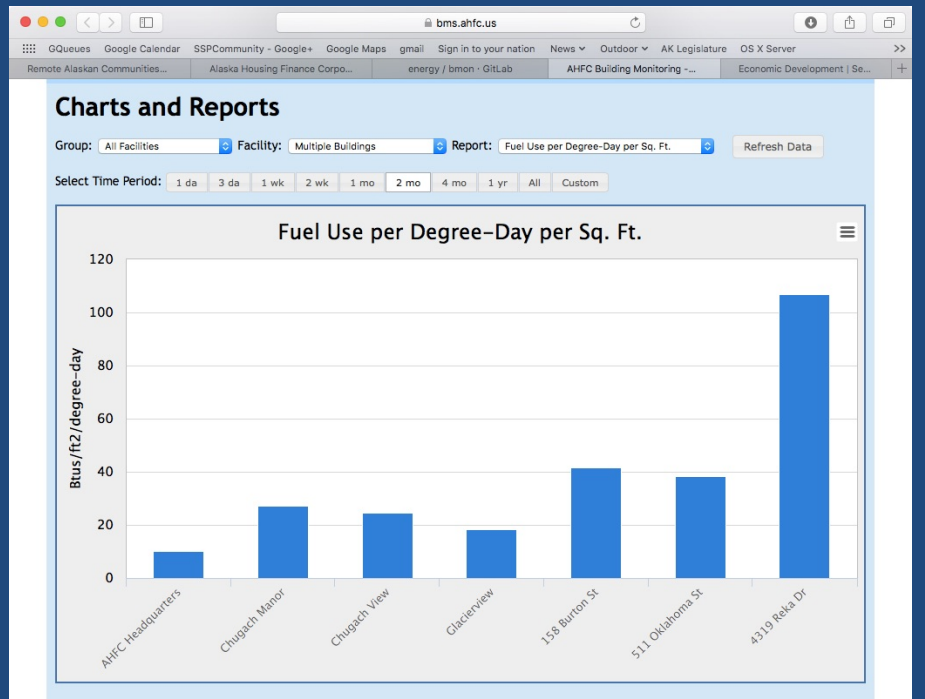
Efficiency – “Doing More with Less”

Clean Energy *Resources*

- Introduction to Energy Efficiency in Public and Commercial Facilities
- Strategic Energy Management Practices Guide
- Building Monitoring
  - Free open source building monitoring system
  - Ability to track building occupancy, temperature, electricity, and fuel use
  - Nearly 18% energy and cost savings at AHFC
- Cash Flow Calculator

▪Four scenarios are provided:

1. Appropriation awarded on year 5
2. Loan taken immediately
3. Loan taken after a five year delay
4. No action



Clean Energy Financing *Programs*

- Renewable Energy Fund & Emerging Energy Technology Fund
  - $259 million appropriated since 2008 for 287 grants
  - Saved the equiv. of 22 million gallons of diesel/ year (2015)
  - EETF: So far, $12 million appropriated
- Haa Aaní Community Development Fund
  - $3.5 million and continuing to grow
  - Focus on small business lending in Southeast, with business planning courses, training, and one-on-0ne technical Assistance
- USDA Rural Energy for America Program (REAP)
  - Grant and Loan Guarantee Programs
- Alaska Energy Efficiency Revolving Loan Fund
  - Retrofit financing for public facilities
- Energy Audit Phase II !

Traveling Energy Efficiency Team

Trip Components

- Free Commercial Building Energy Efficiency Workshop
- Walking Workshop
- Level I Energy Audit

Public and Private Buildings Audited

Hoonah:	11
Haines:	9
Klawock:	6
Craig:	8

Total: Over 230,000ft^2

Energy Audits of Alaska

Results…

-Low hanging fruit (with Iggy the gnome)

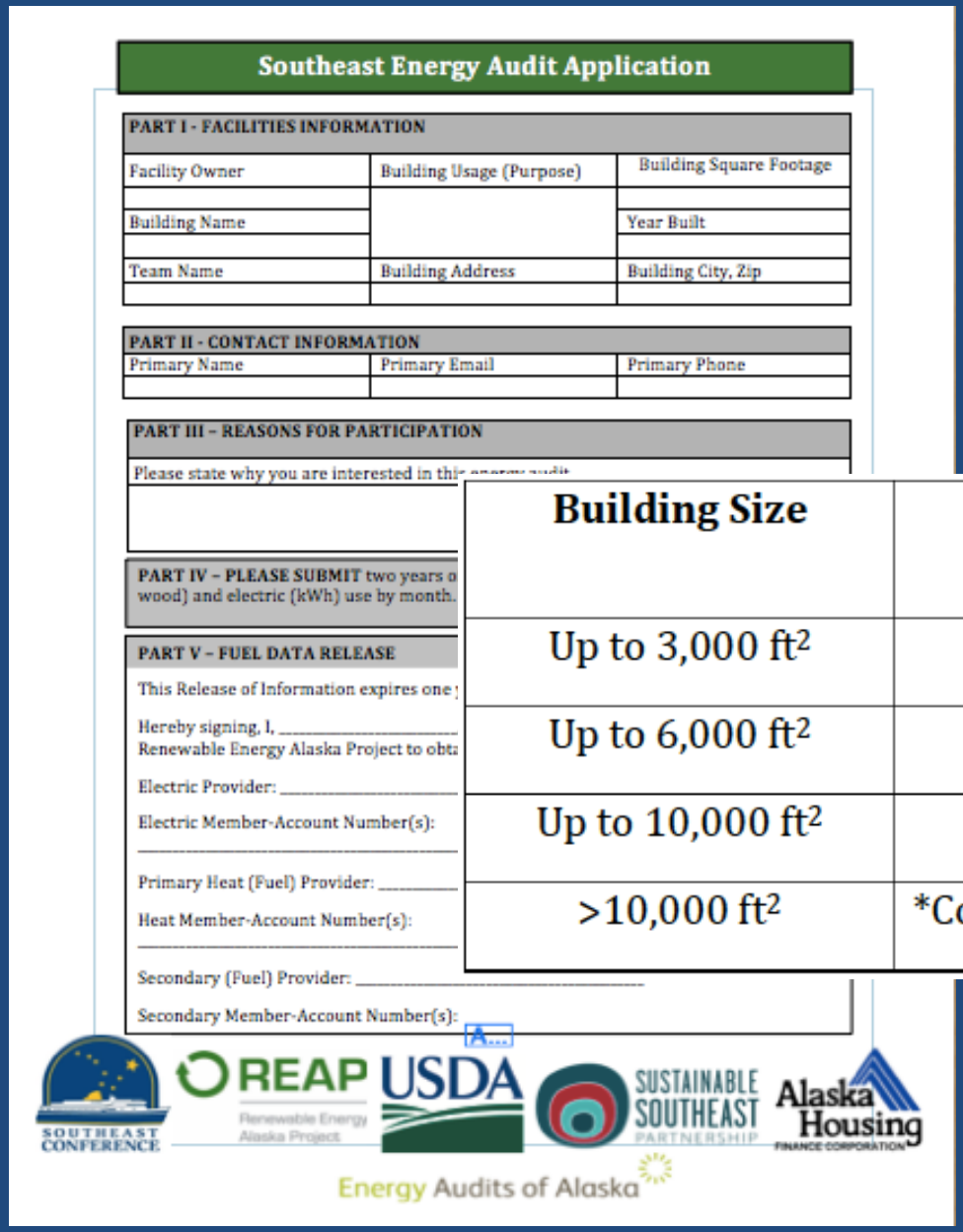
Photo Credit: Tim Leach

Energy Audit Program Phase II

Save Energy & Money in Your Business
or Fishing Vessel
Sign up **NOW** to Get **75% off** a Level I Energy Audit!

How to Apply:

1. Talk to your neighbor.
2. Get at least two buildings per community to commit to the audit.
3. Share 2 years of energy use data.
4. Get an energy assessment.
5. Implement Energy Recommendations.
6. Save money – increase profits!



Southeast Energy Audit Application

PART I - FACILITIES INFORMATION

Facility Owner	Building Usage (Purpose)	Building Square Footage
Building Name		Year Built
Team Name	Building Address	Building City, Zip

PART II - CONTACT INFORMATION

Primary Name	Primary Email	Primary Phone

PART III – REASONS FOR PARTICIPATION

Please state why you are interested in this energy audit

PART IV – PLEASE SUBMIT two years o
wood) and electric (kWh) use by month.

PART V – FUEL DATA RELEASE

This Release of Information expires one

Hereby signing, I, _____
Renewable Energy Alaska Project to obta

Electric Provider: _____

Electric Member-Account Number(s):
_____

Primary Heat (Fuel) Provider: _____

Heat Member-Account Number(s):
_____

Secondary (Fuel) Provider: _____

Secondary Member-Account Number(s):

SOUTHEAST CONFERENCE · REAP Renewable Energy Alaska Project · USDA · SUSTAINABLE SOUTHEAST PARTNERSHIP · Alaska Housing Finance Corporation

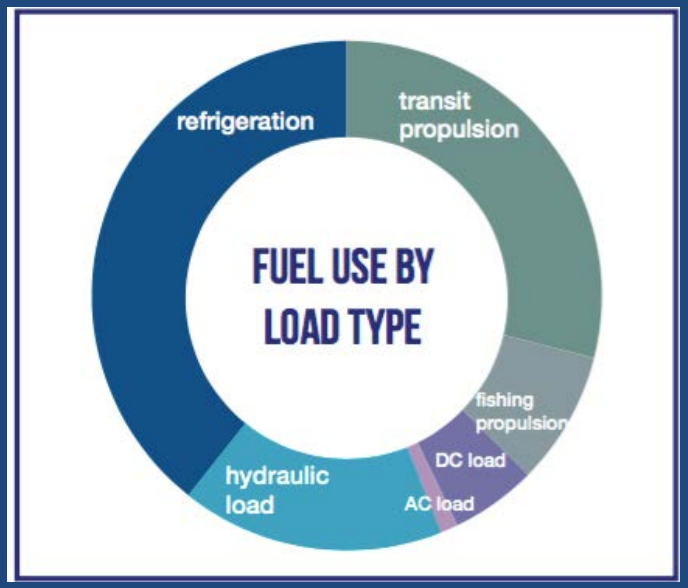
Energy Audits of Alaska

Save Energy
Expand Business

Building Size	Cost of Level I Energy Audit	Cost to Building Owner (25%)
Up to 3,000 ft²	$600	$150
Up to 6,000 ft²	$900	$225
Up to 10,000 ft²	$1,200	$300
>10,000 ft²	*Contact Robert Venables for quote	

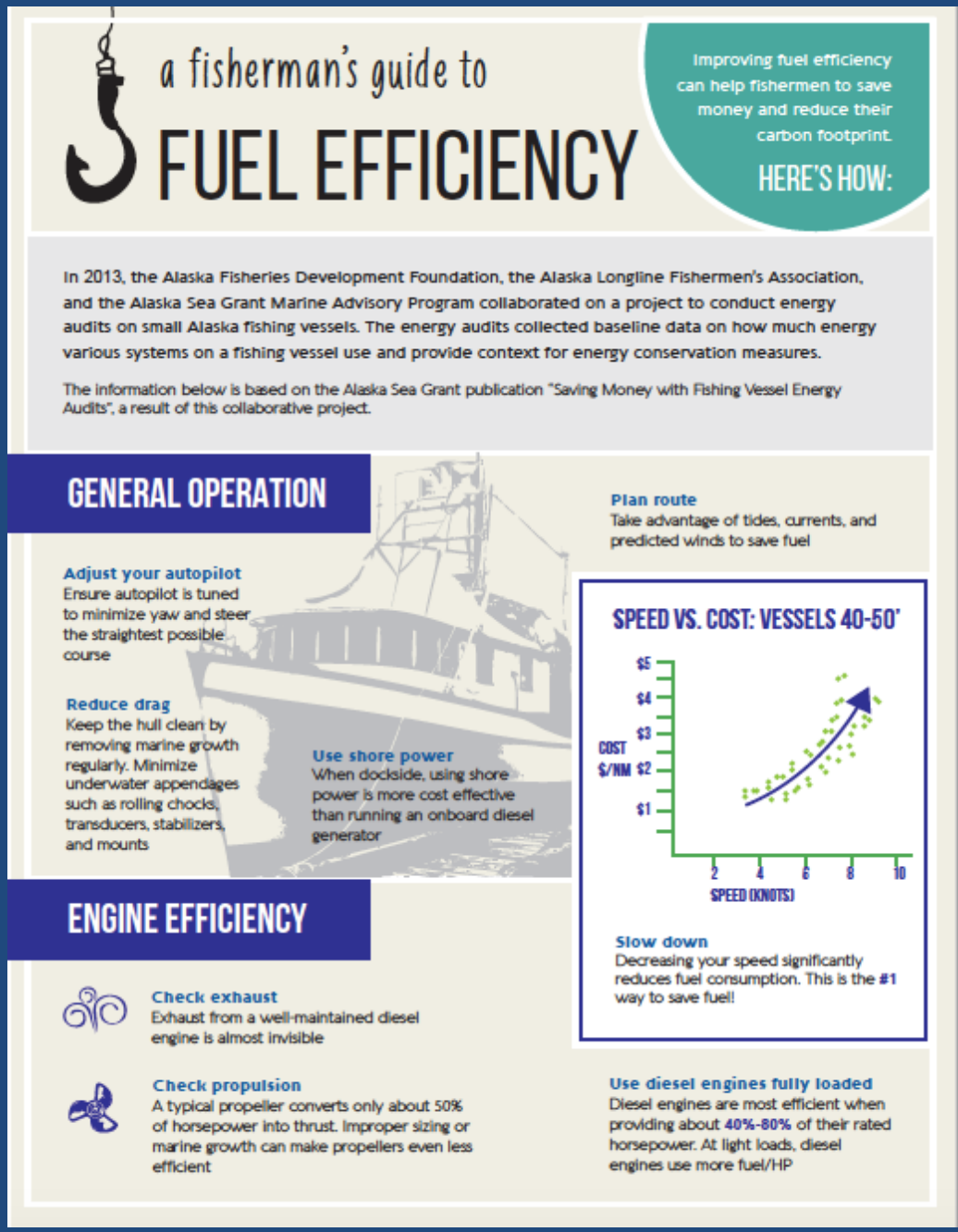
New this year – focus on fuel efficiency in fishing vessels!

Free workshop in Sitka with guest expert
October 28

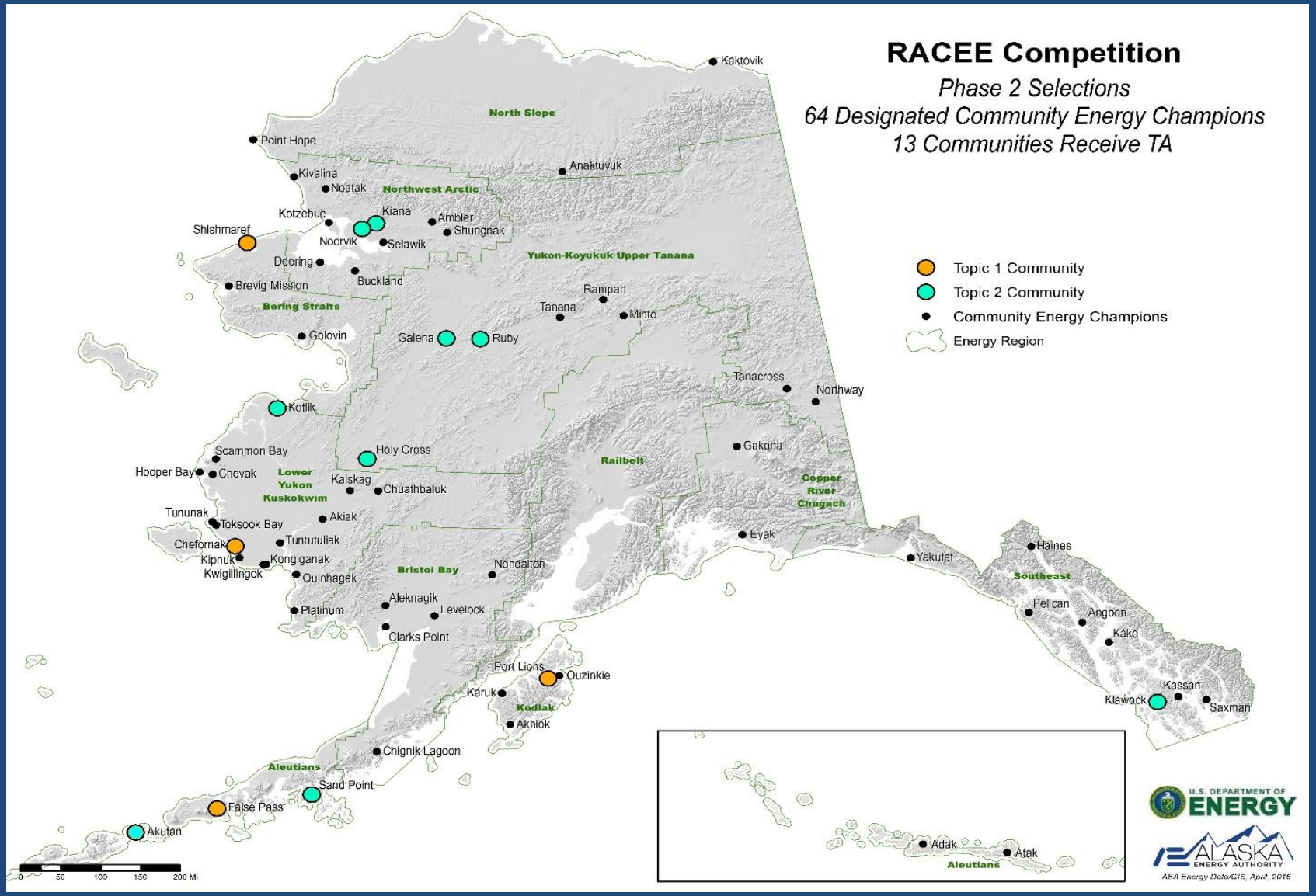


Alaska Longline Fishermen's Association

AFDF Alaska Fisheries Development Foundation, Inc.



DOE RACEE – Remote Alaska Communities Energy Efficiency Competition



Collaborative Effort: Klawock Heenya Corporation, Klawock Cooperative Association, The City of Klawock, and The Klawock City School District, with assistance from Alaska Power and Telephone (AP&T)

Biomass Fueled Greenhouse Handbook

The Great Alaska ENERGY CHALLENGE

www.akenergychallenge.org

Governor Bill Walker
STATE OF ALASKA

REAP Renewable Energy Alaska Project

ALASKA ENERGY AUTHORITY

Thank You!

SUSTAINABLE SOUTHEAST PARTNERSHIP

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