

Shaina Kilcoyne
Energy Regional Catalyst
Energy Efficiency Director



**SUSTAINABLE
SOUTHEAST**
PARTNERSHIP



Renewable Energy
Alaska Project



Renewable Energy
Alaska Project



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

- Education
- Outreach
- Collaboration
- Advocacy

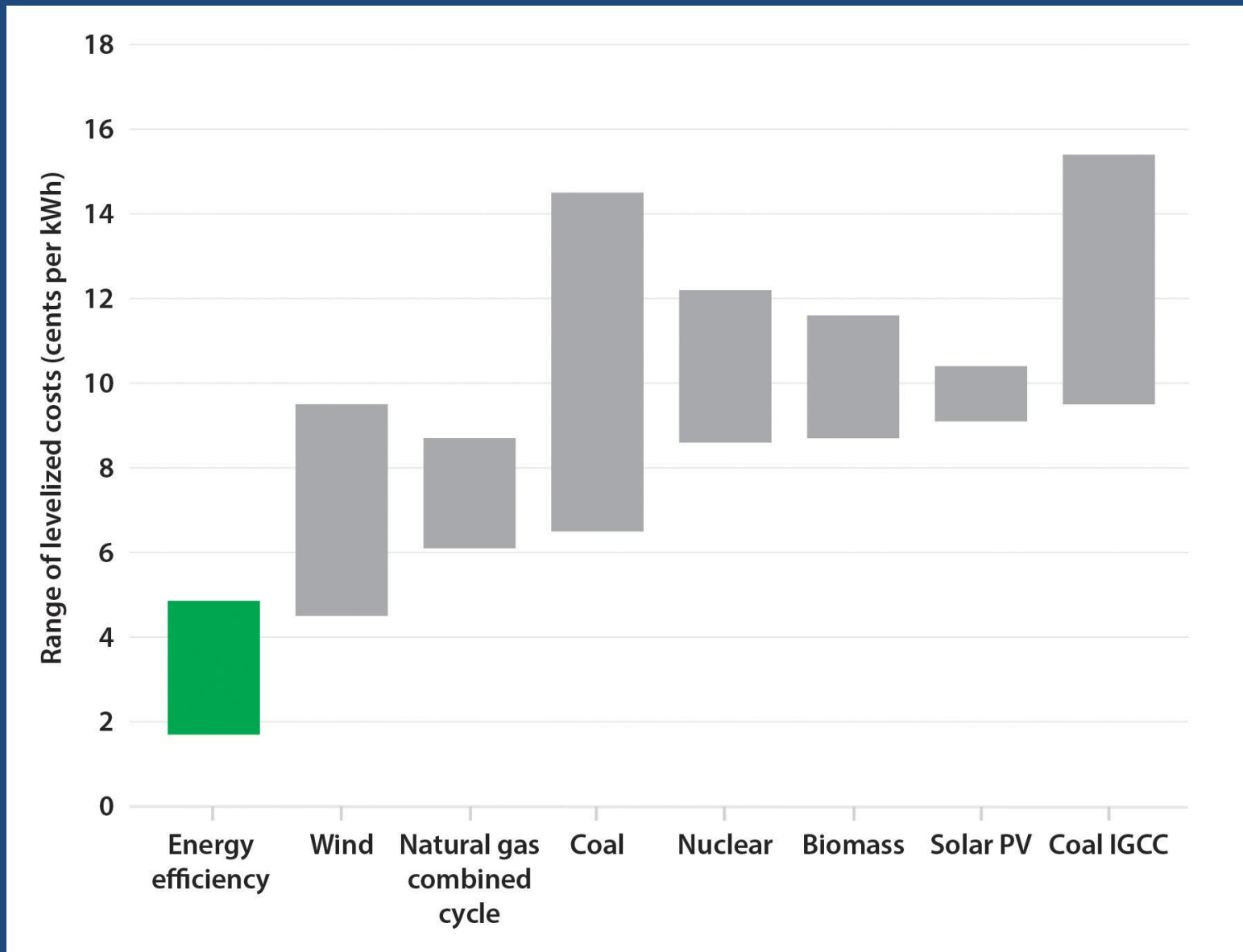


SUSTAINABLE
SOUTHEAST
PARTNERSHIP

Mobile Greenhouse



Energy Efficiency: The First Fuel



Energy Efficiency Barriers



- ◆ Program Gaps
- ◆ Cash for energy upgrades
- ◆ Owner-payer disconnect
- ◆ Little energy tracking
- ◆ Cost of an energy audit
- ◆ Lack of understanding of energy efficiency opportunities
- ◆ Capacity for long-term planning

Collaboration



Energy Audits of Alaska 

Energy Audits

Level I

“Walk-through audit”

- Utility bill review
- Brief interviews with building personnel
- High-level, energy-use analysis for the facility

Level II

- Utility bill analysis
- Interviews with building personnel and management team
- Evaluation of equipment, windows, insulation, lighting, and heating and ventilation
- Comprehensive report and more accurate cost-estimates

Overcoming Barriers

- Communication
- Collaboration
- Identify easy recommendations
- Coordination
- Follow Up!

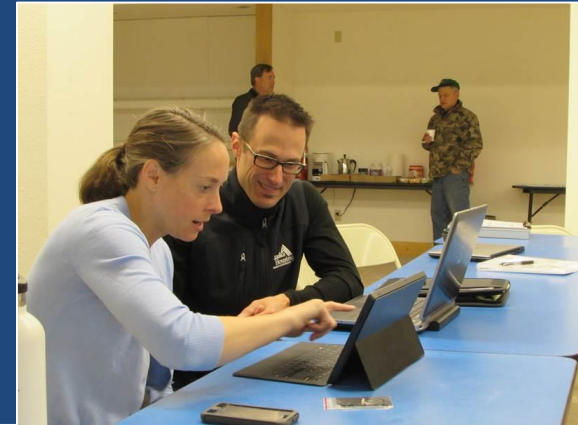


Photo Credits: Tim Leach

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 230,000ft²



Concise Report



Level 1 Targeted Commercial Energy Audit
Tideland Tackle Store

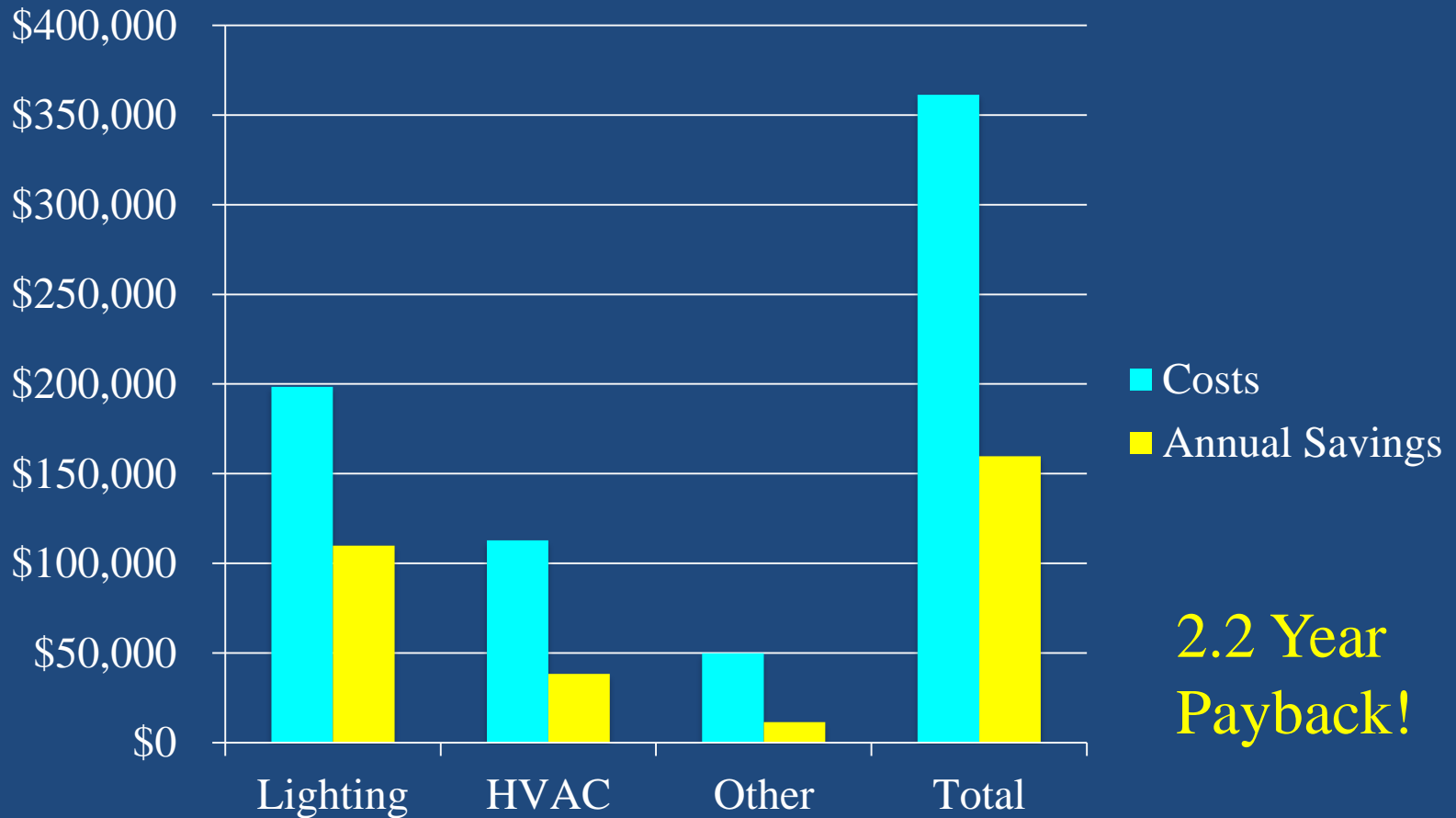
Contacts:
David Austin
davidlustin@gmail.com
907-945-3463

Site Survey Date:
June 09, 2015

Audit performed by:
Energy Audits of Alaska
1231 West Northern Lights Blvd, #907
Anchorage, AK 99503
Contact: Jim Fowler, PE, CEA
jimf@jim-fowler.com

- Simple
- 8 pages or less!
- Appendices for further resources

Results



**2.2 Year
Payback!**

Example: Grocery Store

Figure 1 – Summary of Recommended EEM's

	Implementation Cost	Annual Savings	Payback (yrs)
Lighting	\$14,601	\$11,883	1.2
HVAC	\$0	\$0	n/a
Envelope	\$0	\$0	n/a
Other	\$900	\$2,544	0.4
Total	\$15,501	\$14,427	1.1

Lighting Upgrades
Occupancy Sensors
Install Cooling Misers



Successes?



“...The information provided in the free energy audit and workshop will greatly help us reduce our energy costs and dedicate more of our funding towards programs and projects that support a healthy community and watershed...”

- Meredith Pochardt, Executive Director,
Takshanuk Watershed Council, Haines, AK

-Low hanging fruit (with Iggy the gnome)

Photo Credit: Tim Leach



Renewable Energy
Alaska Project

Leveraged Funding – Hard Costs

Alaska Housing Finance Corporation	\$6,000
Sustainable Southeast Partnership	\$4,600
U.S. Department of Agriculture Rural Business Enterprise Grant	\$7,290
Prep, outreach, and on-the-ground personnel hours (REAP):	~\$5,500



Photo Credit: Tim Leach

Energy Audit Program Round II?

Do you own, rent or manage a commercial building?

Or know someone who does?

Private and some public buildings

Contact:

Robert Venables

Southeast Conference

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Sustainable Southeast Partnership

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Thank You!

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