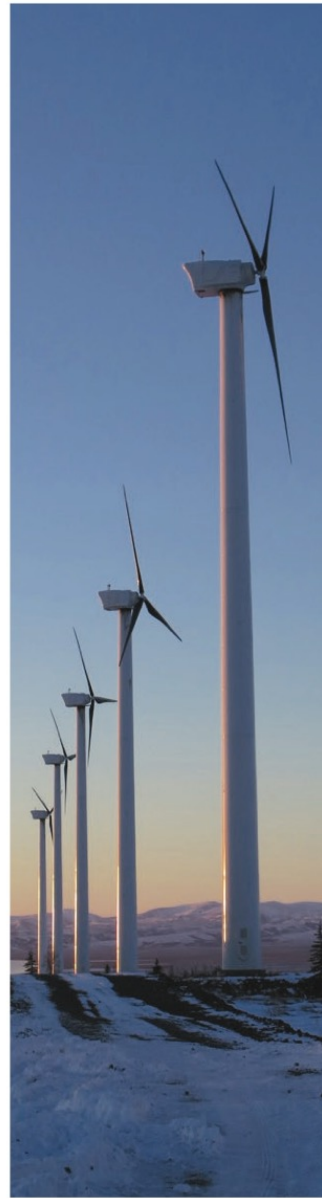


# Alaska Energy Authority Class Program Update

Plentovich  
Program Manager

Conference Mid Session Summit  
July 13, 2018



# Alaska Wood Task Group

Partnership of ~20 State, Federal, Tribal, NGO

Funded by US Forest Service and State of Alaska

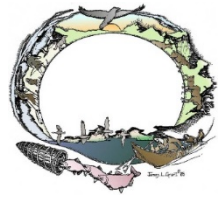
Creates 5 part-time jobs

- University of Alaska – Fairbanks (1)
- Southeast Conference (2)
- AEA (2)





**ACEP**  
Alaska Center for Energy and Power



Office of  
Indian Energy



ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM

# Wood Energy Support Services

Prefeasibility Studies – no cost!

Technical Support

Design Grants – US Forest Service

Wood Energy Conference (6)

Operator/Maintenance Training

Community Biomass Handbooks

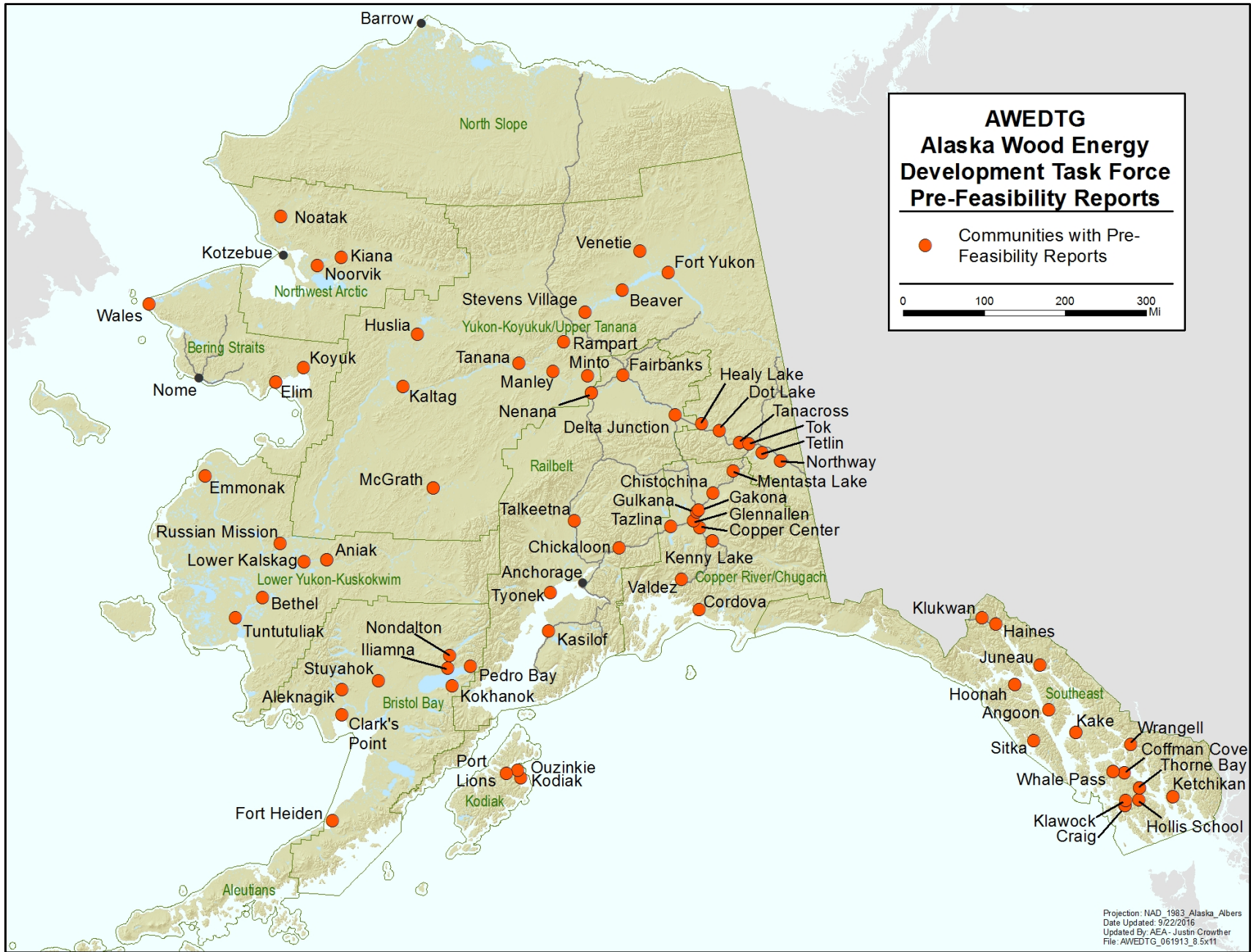
Engineering Continuing Education

Workshops

Facility Tours

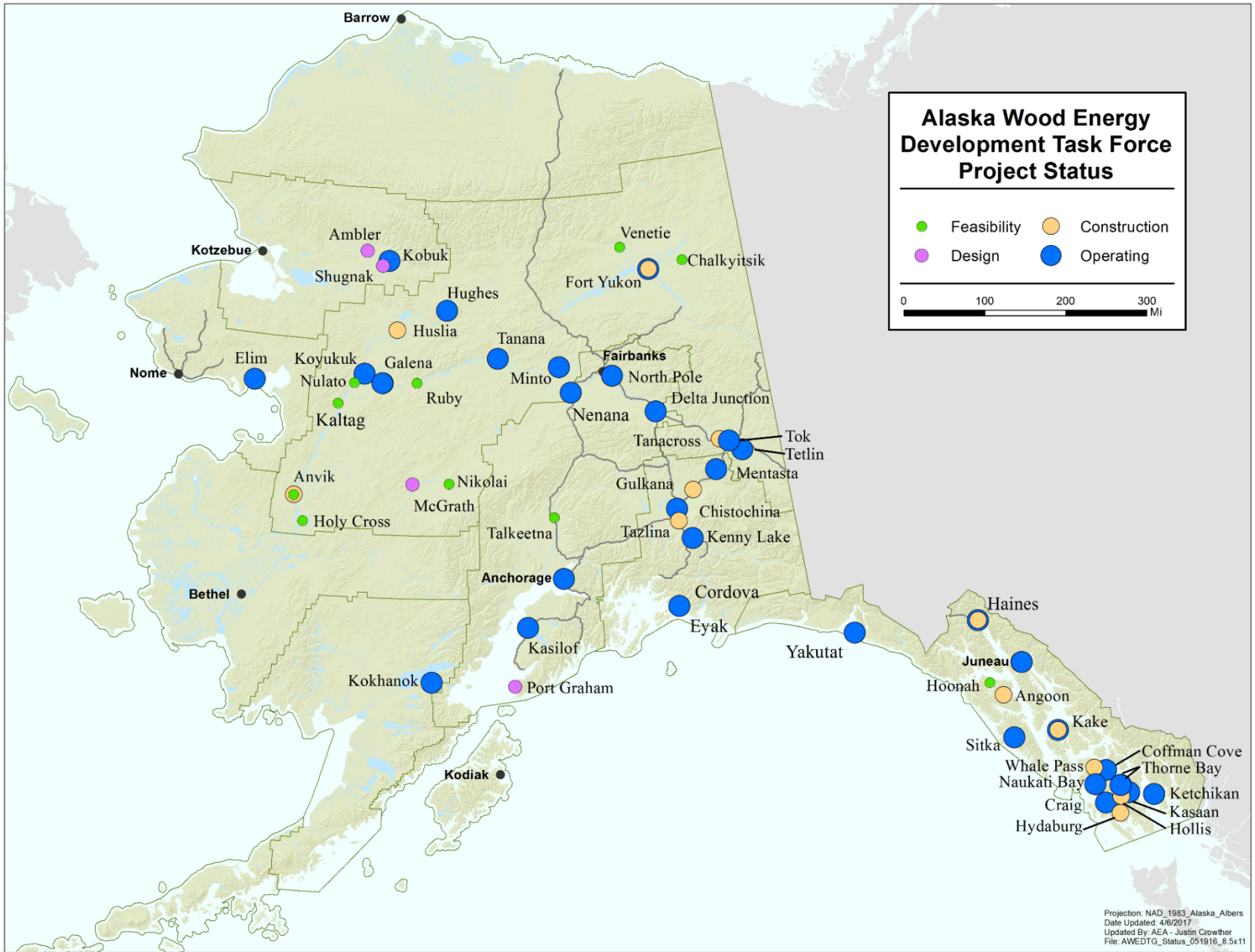


Photo by Dan

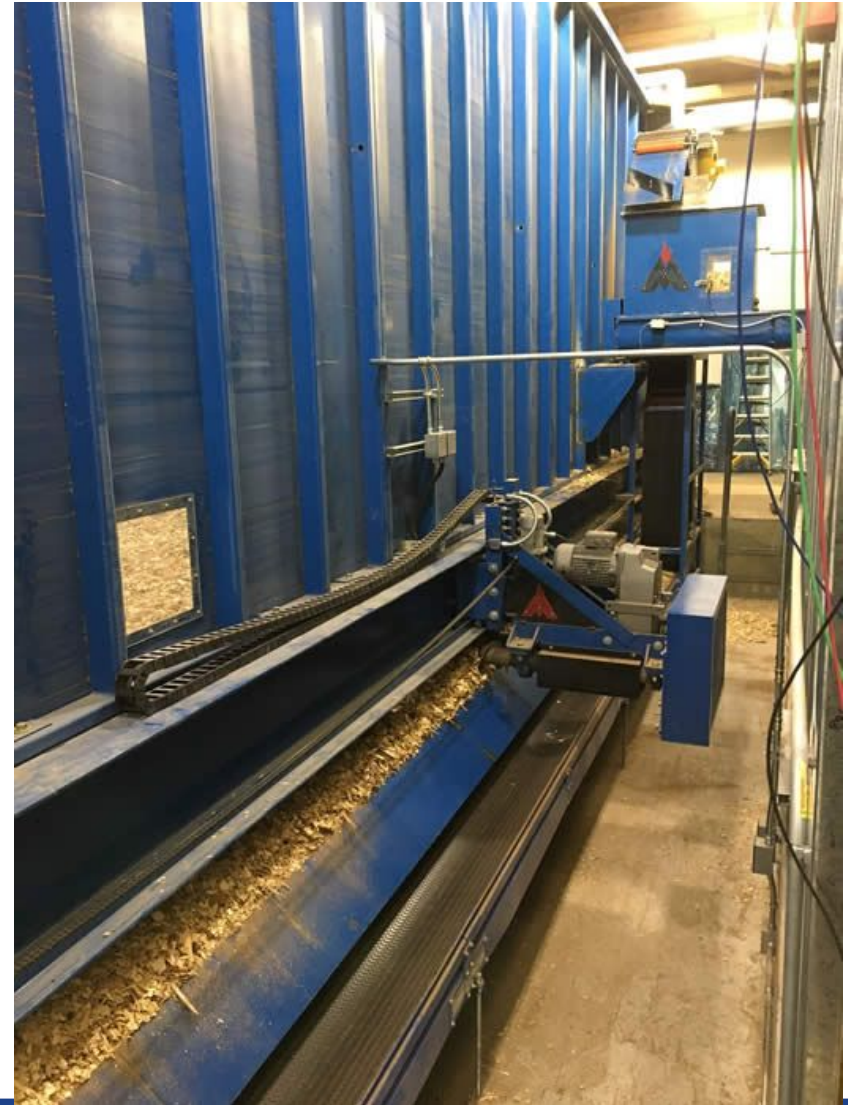


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# Galena Wood Heating Project











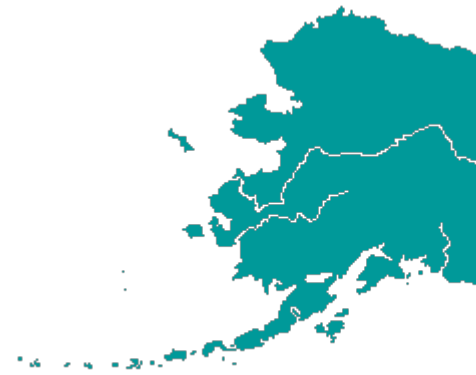
# Local Successes result in more Local Successes



# Thorne Bay School Cordwood System



Photos by Dan Bihn



# Prince of Wales Island

2008 – Craig Elementary School & Pool

2010 – Coffman Cove School

2013 – Thorne Bay School

2015 – Kasaan School and Craig Fuel Dryer

2016 – Expansion of Thorne Bay and Coffman Cove Schools

2017 – Naukati School

2018 – Whale Pass and Hollis Schools to be completed

2018 - Hydaburg Construction beginning

2019 – Craig High School, Thorne Bay Forest Service Facility?

# Juneau Opportunities

Lemon Creek Prison

Bartlett Hospital

Wood Resource Study

- City Food Composting





# BIOMASS-HEATED GREENHOUSES

A HANDBOOK FOR ALASKAN SCHOOLS AND COMMUNITY ORGANIZATIONS



## ALASKA ENERGY AUTHORITY

813 West Northern Lights Blvd.

Anchorage, Alaska 99503

Phone: (907) 771-3000

Fax: (907) 771-3044

Toll Free (Alaska Only) 888-300-8534

*AEA's mission: Reduce the cost of energy in Alaska.*

# Galena Biomass Quick Facts

The only remote, isolated chip system IN THE WORLD

Heating 14 buildings

Displacing over 200,000 gallons of heating fuel annually through energy efficiency and wood heating.- \$330,000 retained in the local economy

\$3.2 MM grant from AEA for the biomass system.

Loans from DEC and AHFC to replace the water, sewer, and fire piping. (\$4MM total)

Sustainable Energy Galena Alaska (SEGA) is the wood processor. ~1000 TPY

- Collaboration of City of Galena, Galena Interior Learning Academy, and the Louden Tribal Council

7 years in development

6 seasonal jobs with a payroll of \$175,000 annually, 1 full-time job

# Tanana

2008 - 1<sup>st</sup> Cordwood system installed –  
using about 40 cords of local wood.

2017 – 12 Operation Cordwood Systems –  
using about 350 cords of local wood!

~41,000 gallons of fuel displaced annually

Wood harvest creates 4 part-time winter  
jobs

