



Central Council Tlingit Haida Indian Tribes of Alaska

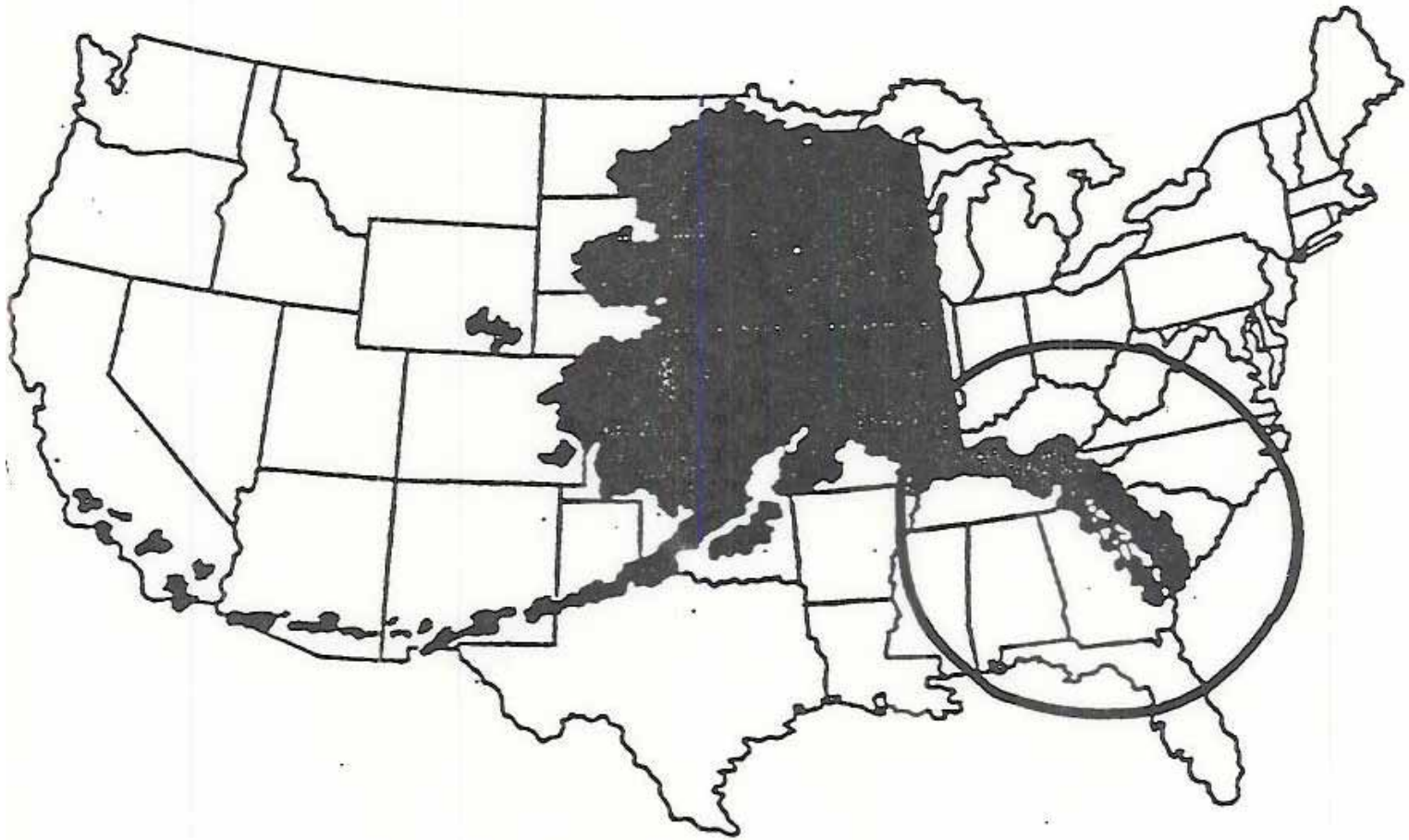


Tlingit Haida Regional Housing Authority

Tribal DOE Programs

- 1. Alaska Native Weatherization Training Program**
- 2. Low-income Multifamily Energy Efficiency Building Audits**

Alaska



Southeast Alaska



Alaska State Legislature Funding Weatherization Program



Senator Lyman Hoffman, Bethel Alaska
Wife Lillian and children; Madilyn, Elizabeth, Karis, Bethany and Douglas

State of Alaska

Weatherization Program

- **Wx Workers needed for State of Alaska WAP – THRHA**
- **Funding limited for homes on the road system**
- **Training funds limited**
- **Unemployment rate high in Rural Alaska**



Alaska Native Wx Training Program

DOE Tribal First Steps

Objectives

- 50 Trainings
- Wx Training Units
- 25 paid OJT
- Wx Audits Rural Homes
- Wx Rural Homes
- Strengthen Tradition and Native Culture
- Reduce Consumption and costs

Accomplishments

- 52 Trainings
- Installer, Crew Chief, and Auditor Training - UAS
- 25+ OJT Positions
- 300+ WX Audits and Homes Weatherized
- Native Elder Participation
- Energy consumption and Costs Reduced

Alaska Native WX Training Program Training House



Alaska Native WX Training Program

Building Energy Retrofit Technician

- 40 hour training
- Introduces job readiness & material installation techniques
- Classroom & hands-on experience
- Topics:
 - Buildings as a system theory
 - Air sealing materials & applications
 - Insulation products & methods
 - Basic blower door
- BPI Building Analyst approved certification curriculum



Alaska Native WX Training Program Classroom + Field Lab



Alaska Native WX Training Program

Blower Door Training



Alaska Native WX Training Program

Understanding Unplanned Airflows



Alaska Native WX Training Program

Combustion Safety



Alaska Native WX Training Program

Ventilation Flows



Alaska Native WX Training Program

Airsealing



Alaska Native WX Training Program



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Alaska Native WX Training Program

Tribal DOE

Strategic Energy Planning Anchorage, AK January 2011



The Global and U.S. Energy Picture

- What is Uncle Sam doing? Why an increased focus on community energy development is increasingly important at this time.

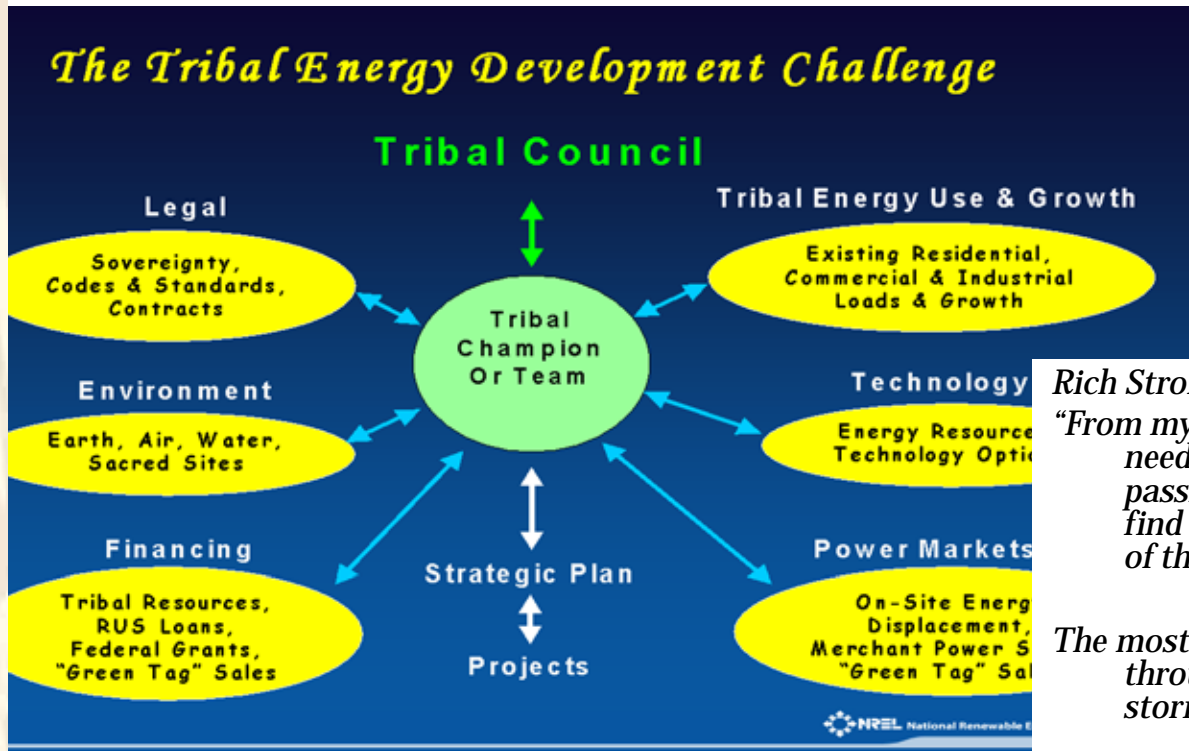
Geography of Strategic Energy Planning

- What do we mean by Community Energy?
- The value of local energy self-reliance. The elements of community energy development and community energy planning.
- A working session focused on self-identification of an energy vision, energy needs (demand), energy supply options, and approaches to implementation. Current energy providers, local energy supply options, forecasts—
- how is your community energy demand going to change in the future?

Developing an Energy Vision

Tribal Community Strategic Energy Planning

Where Do We Fit?



Rich Stromberg:

"From my perspective, each community needs to grow its own effort with passionate local champions who will find ways to get things done regardless of the obstacles."

The most successful groups have gone through their own local forming and storming stages.

They have a broad representation across the community of varying and competing interests.

They are self-led and tell the government what they need and how they are going to execute on their plan."

Alaska Native WX Training Program

- Outreach & Awareness
- Education
- Community participation and solutions
- Power of reducing energy consumption
- Cost Saving - Home Energy Efficiency

Energy Fair



Tlingit-Haida Regional Housing Authority

Alaska Native WX Training Program Outreach & Awareness



AHFC Presentation

Betty Hall

Energy Information Specialist



2010 Tribal Energy Review

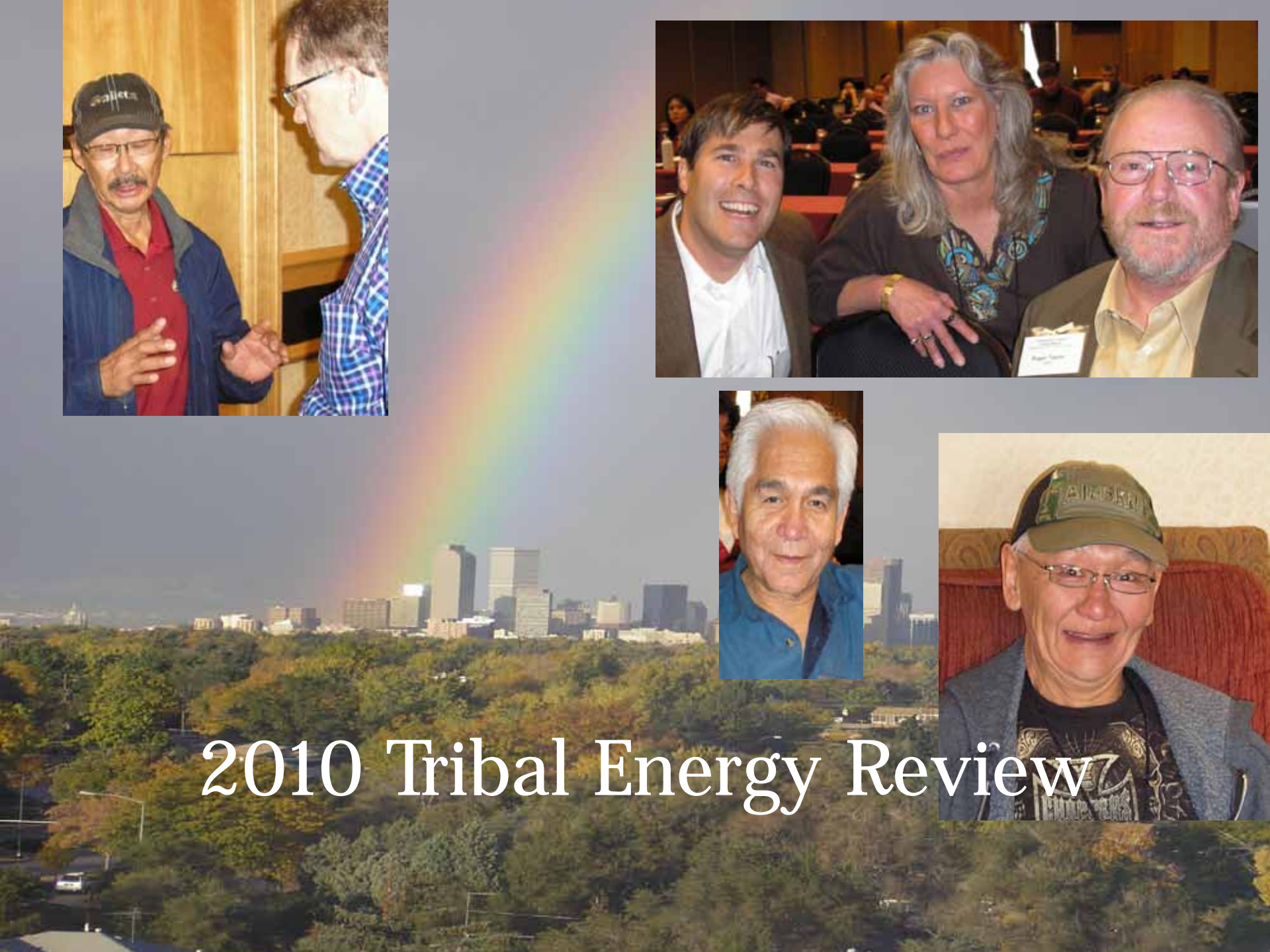
An aerial photograph of a city skyline, likely Denver, Colorado, viewed from a high vantage point. The foreground is dominated by a dense forest of trees with green and yellow foliage. In the middle ground, a cluster of modern skyscrapers and office buildings forms the city skyline. A vibrant rainbow is visible in the sky, arching over the city. The overall scene is bright and clear, suggesting a sunny day.

Learning from Others / Planning:

- Reduce energy consumption by Tenant behavior “Energy Wise”
- Reduce costs by finding solutions to reduce the cost of tenant heat and utilities
- Assist Tribal Members with energy issues in their community to become self-sufficient, energy sovereign, by limiting high-cost imported energy resources.



2010 Tribal Energy Review



Tribal DOE Programs

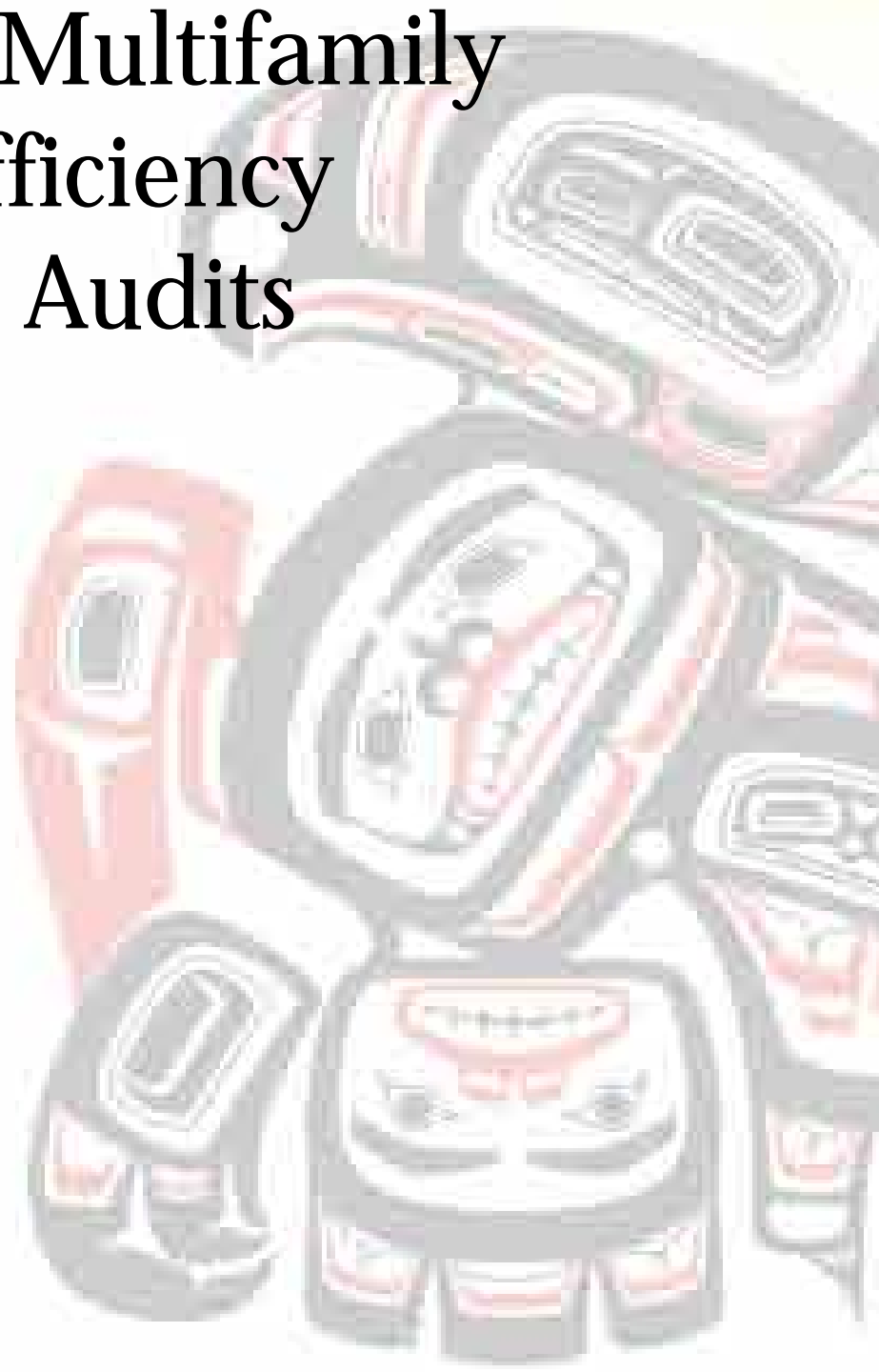
- Alaska Native Weatherization Training Program
- Next Steps:
- **Low-income Multifamily Energy Efficiency Building Audits**



Low-income Multifamily Energy Efficiency Building Audits

Objectives

- Decrease energy demand by increasing energy efficiency for low-income multifamily buildings
- Reduce household energy consumption through energy conservation education and energy upgrades
- Project energy savings based on fossil fuel reduction to environmentally and economically benefit Tribal southeast communities.





Low-income Multifamily Energy Efficiency Building Audits

- 50 + comprehensive EE audits, monitoring, and usage assessments on low-income multifamily buildings in 14 southeast Alaska communities
- Identify cost effective feasible weatherization options for building retrofits that can reduce energy consumption by 30% or more.
- Determine funding for buildings based on feasibility recommendations for energy upgrades /retrofits

Low-income Multifamily Energy Efficiency Building Audits

- Local weatherization crew members trained to complete multifamily building energy audits
- Wx audits will produce comprehensive project plans sufficient for funding applications and implementation of multi-family energy efficiency measures





Reduce Energy Consumption

Energy Wise Program

- Provide energy conservation education and energy use monitoring for 400 rental tenant families.
- Develop and provide tenant education and training specific to household behavior and reduce tenant energy consumption.

Home Energy Conservation

- The cheapest kilowatt of electricity is the kilowatt you never have to use.
- Efficient appliances, low-watt lighting and weatherproof buildings cut costs
- These are the fastest and least-expensive solutions to implement.



Reduce Energy Consumption

Energy Wise Program

- 28 field assessors trained to conduct home energy assessments
- 14 community meetings / Energy Fairs completed
- field and maintenance staff trained to install energy usage monitoring equipment and maintain energy efficient devices
- 400 in-home energy consultations , community members receive energy efficiency and energy demand reduction education and training



Partnerships Working Together

Energy Wise
Program

 **akenergy**
efficiency.org
Solutions For Alaska

Central Council
Tlingit and Haida

Indian Tribes of Alaska

Alaska
Housing
FINANCE CORPORATION

UAS
UNIVERSITY OF ALASKA
SOUTHEAST
learn • engage • change

Woosh.ji.een

"Pulling Together"

From our Past to the Future

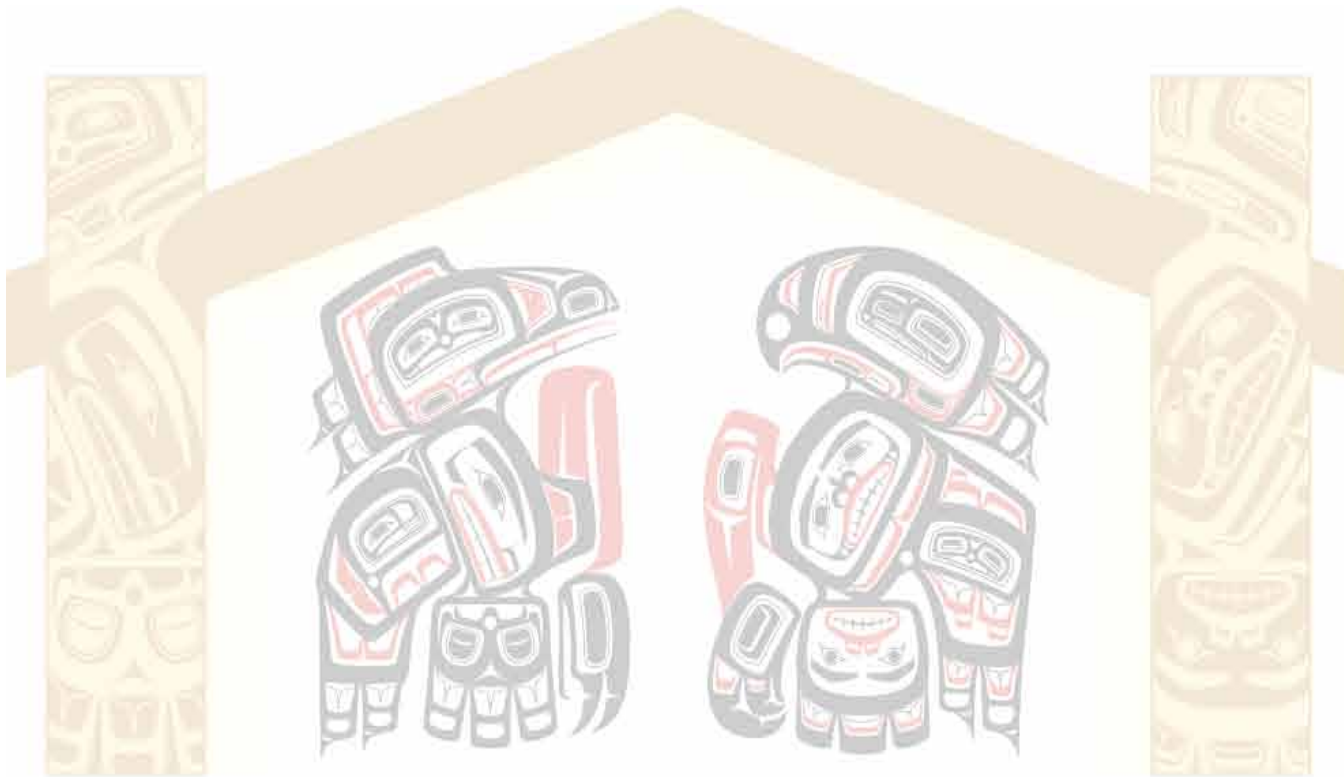


Thank you to our Tlingit & Haida
ancestors and youth, our pillars of strength who
hold us up to stay focused on our way-of-life
as the foundation for our sustainability.





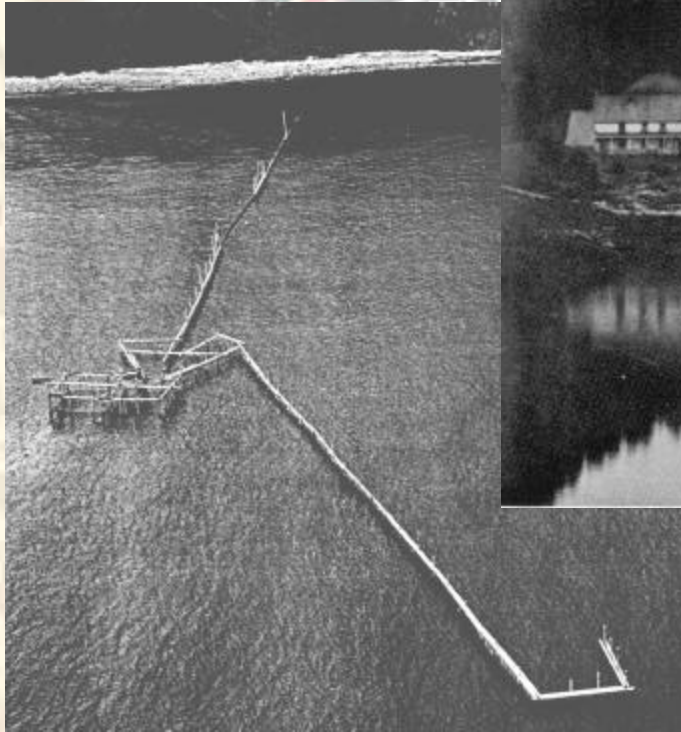
Tlingit Haida Regional Housing Authority



www.thrha.org 907 780 6868

Southeast Alaska & the Tlingit

Fish Trap 1899



Alaska Salmon cannery 1897

1904 Koo.eex' (Potlatch)

Alaska Native Brotherhood and Sisterhood 1912





