

# **Stable, Lower Cost Rural Power Required for Alaska Sustainability**

RESOURCE DEVELOPMENT COUNCIL  
32<sup>nd</sup> Annual Conference

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# American Towns Come and Go ...

Loring, Alaska

vs: Ketchikan, Alaska



*Loring 1883-1930 “a booming village with canneries, stores, and the largest salmon hatchery in the world... today is a small community less than about a dozen homes.”*



*Tongass Narrows area, late in 1900 incorporated as Ketchikan... “slowly becoming a city. Hydroelectric power was established, a phone system put in place, and businesses sprang up.”*



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*Catching a Can in Ketchikan A History of the ‘Canned Salmon Capital of the World’ SitNews, by Dave Kiffer September 23, 2009*

# Differentiating the Sustainable Communities ...



## Transportation

- Access In & Out
- Airports, ferries, rail, roads,

## Energy

- Dependable Power
- Affordable Energy

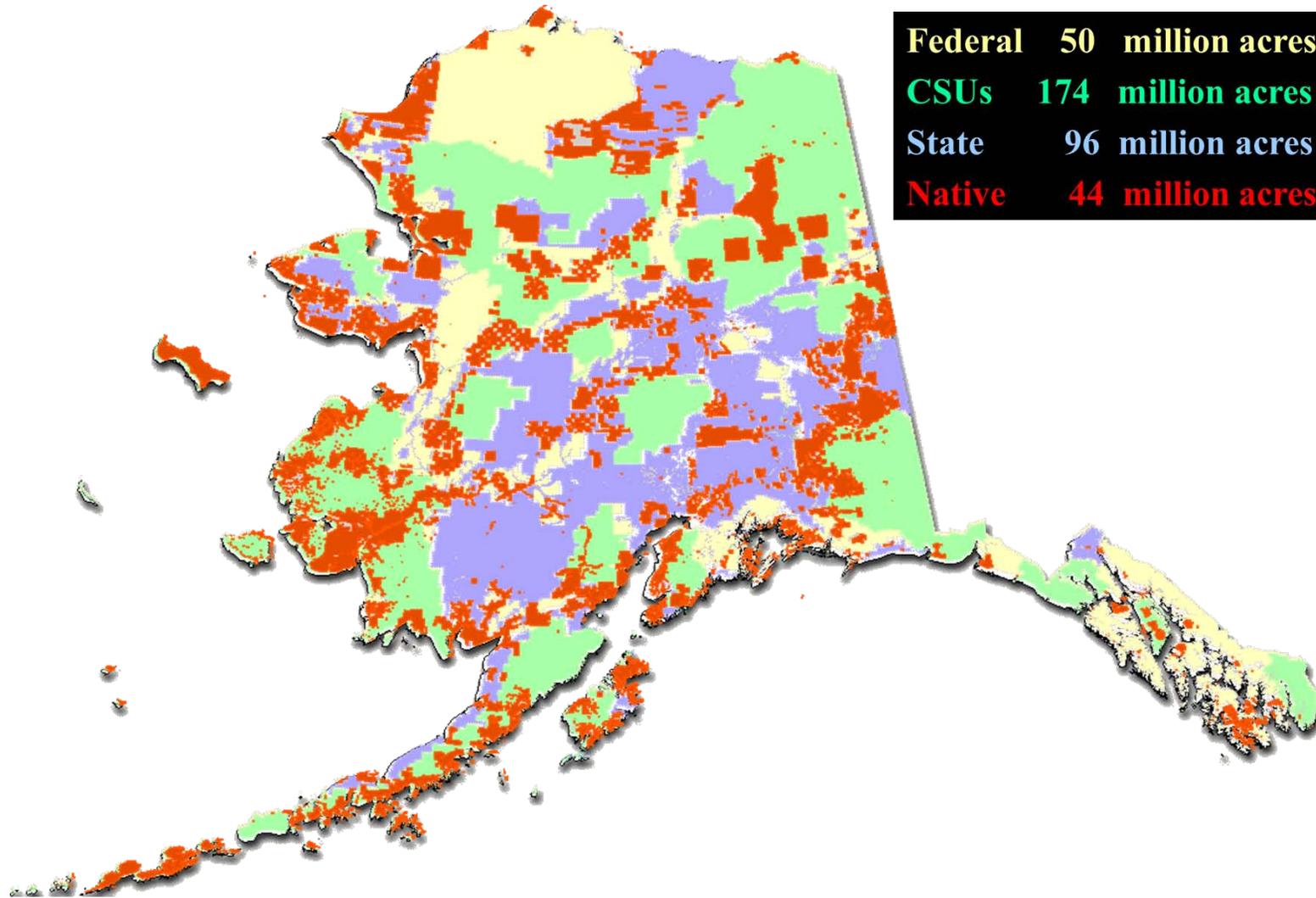
## Jobs

- Resources for Businesses
- Adaptable Workers (People)



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# Alaska Land Status Affects Access



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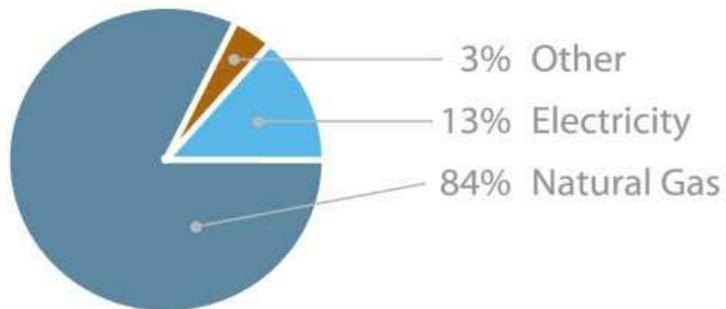
**Opportunities: Most AK Communities and Resources are Off Railbelt and Off-Grid!**

**Existing Railbelt Access/Energy Grid is Double Yellow Line)**

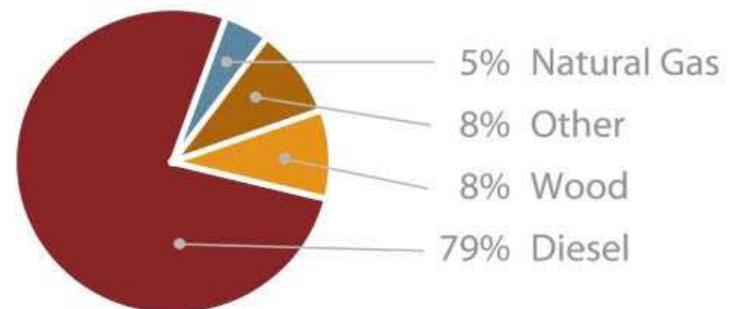


# Different Energy Sources for Electric and Heat

## How Alaska Households Heat Their Homes Using Various Energy Sources



Anchorage



Rural Communities

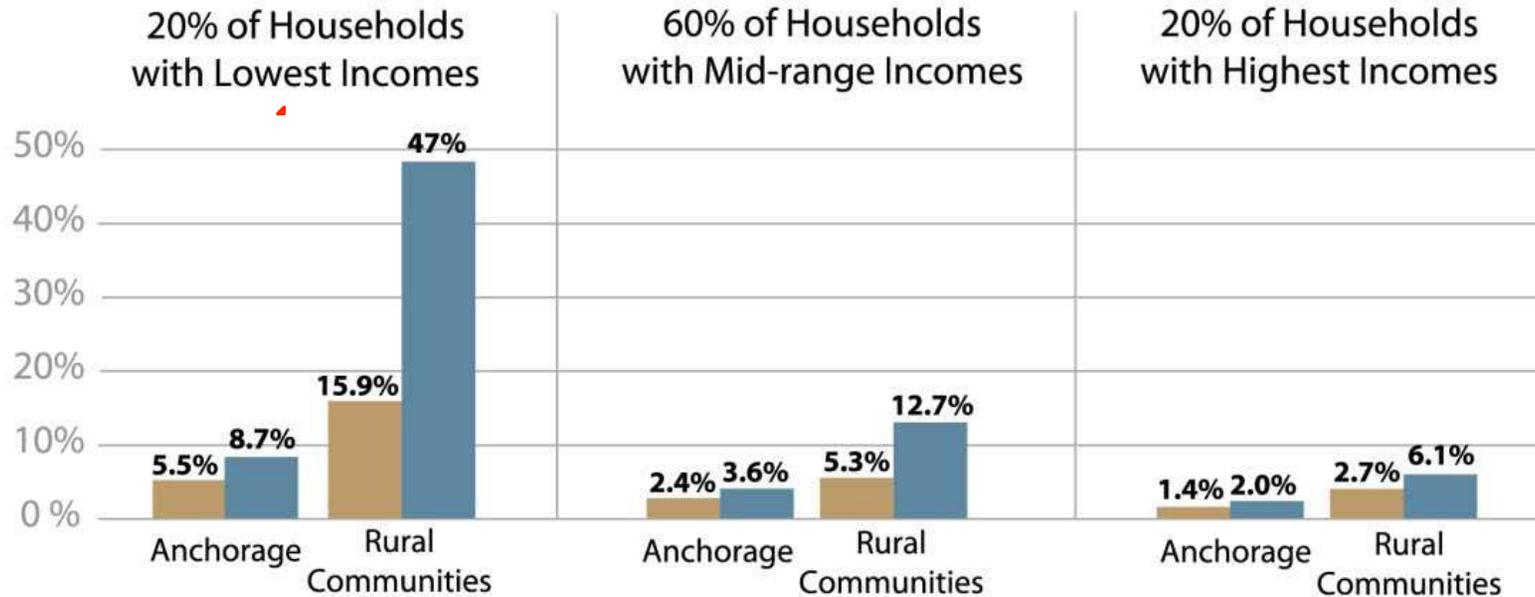
Source: *Estimated Household Costs for Home Energy Use, May 2008* a report by ISER



# Rural Citizens' Disproportionately Paying Highest Costs

## Estimated Median Share of Income Alaska Households Spend for Home Energy Use

■ 2000 ■ 2008



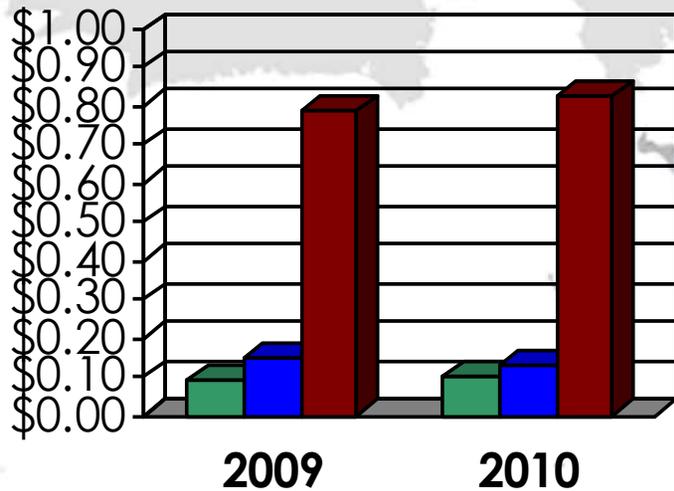
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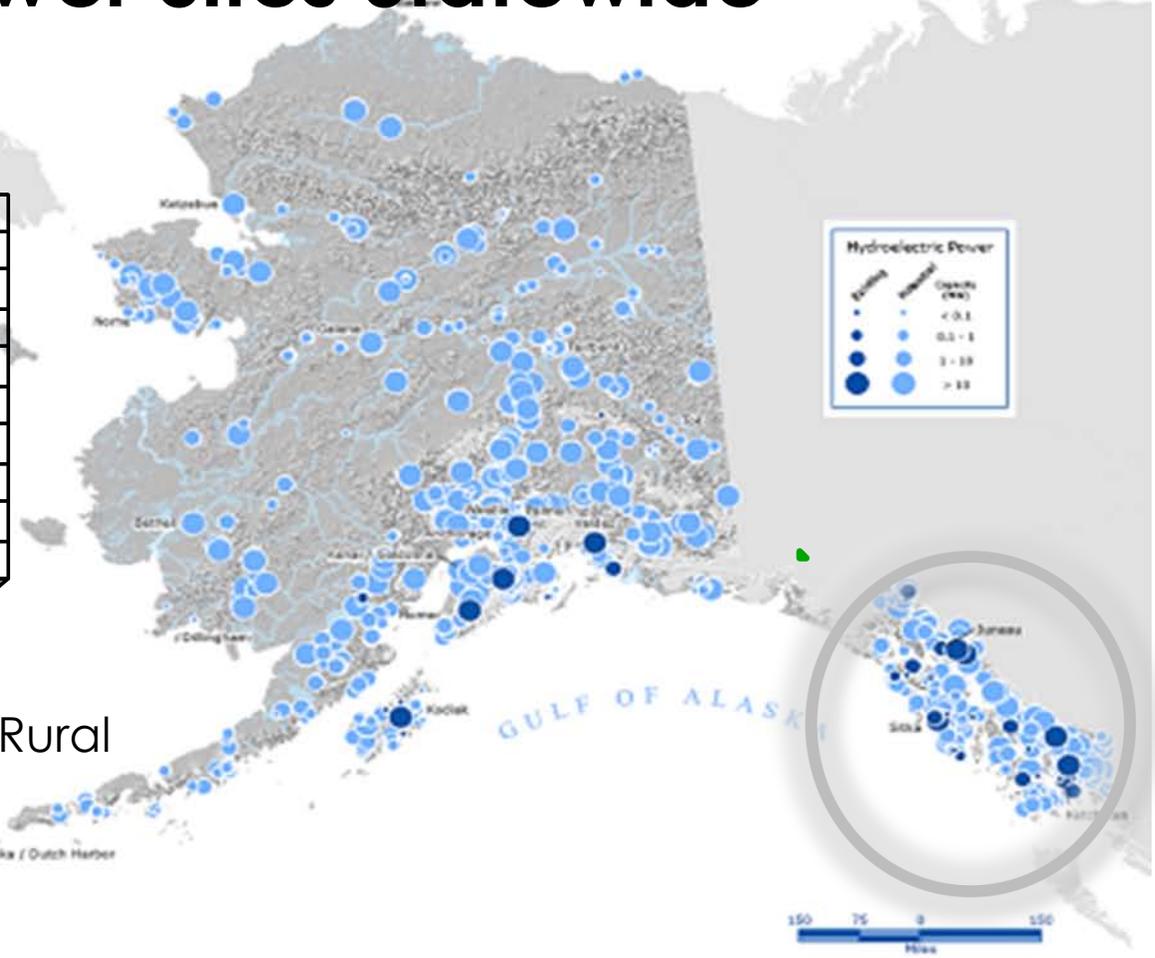
# Comparing Electrical Costs and Hydropower Sites Statewide

Cost per kWh



■ Southeast ■ Southcentral ■ Rural

\*Rural areas use diesel

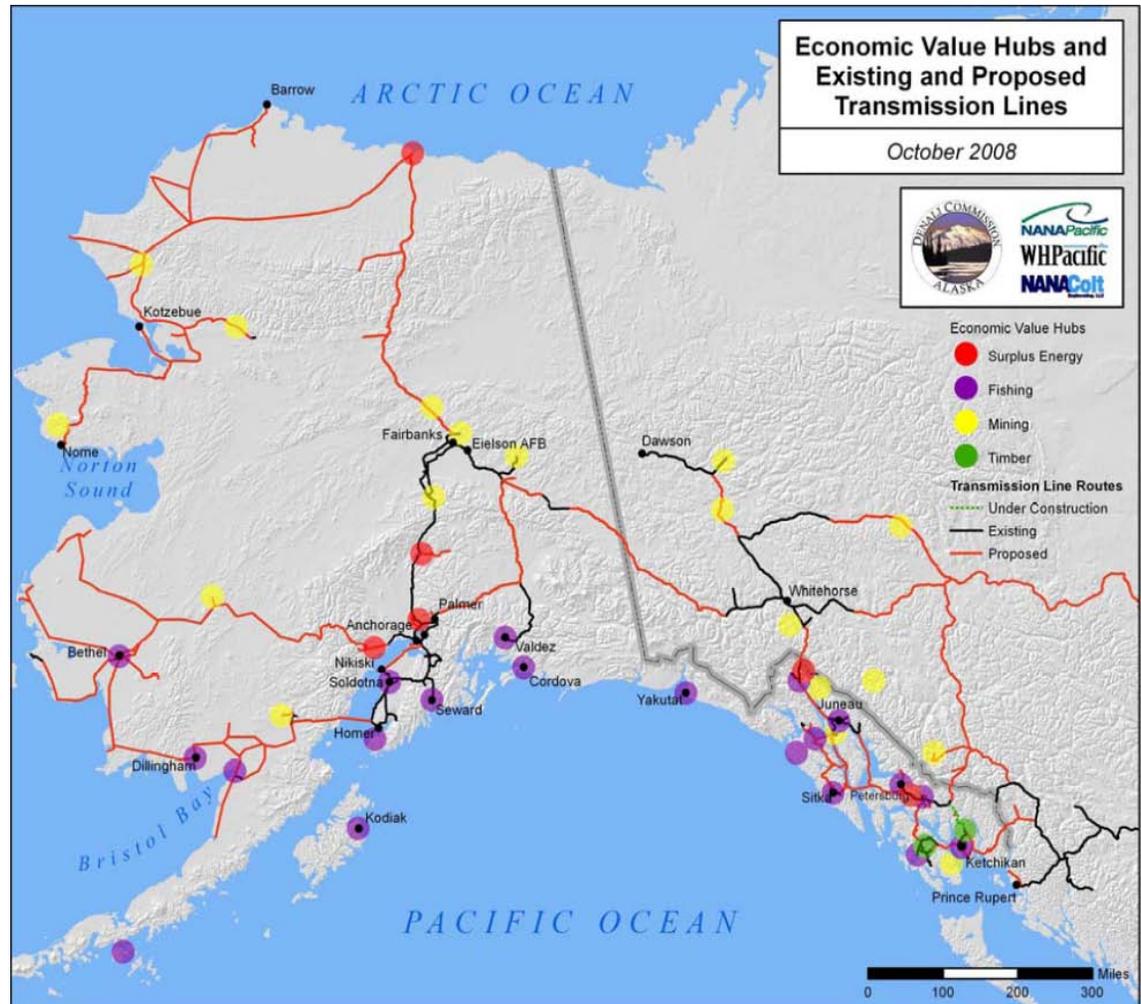


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# Our Success, Rural and State Depends on:

## Access & Energy!

- Rural and Resource Rich Areas are **All Off-Grid**
- **Planned Routes to Link Alaska**



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# Our Survival & Economy Depend on Energy and Access Statewide

- 1. Access thru Federal Lands**  
(restrictive access is isolating our communities and rich resources)
- 2. Access to Transportation**  
infrastructure to get in & out  
(access to survive)
- 3. Energy, Affordable Energy**  
utilizing locally available, clean, stable, reliable Hydropower (clean, affordable)
- 4. Energy Transmission Grid**  
linking and connecting us all  
(backup!)

## Reaching our Potential... Our God Given resources...

- Minerals
- Mammals
- Oil and Gas
- Fisheries
- Forests
- People!

- Sustainability -



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*“Modern Life and Commerce as we know it,  
cannot exist without adequate supplies of  
electric energy at acceptable prices”*



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