



COMMONWEALTH  
NORTH

*Illuminating Alaska's Issues*

**RURAL AND ALTERNATIVE ENERGY STUDY GROUP**

**JUNE 23, 2011**

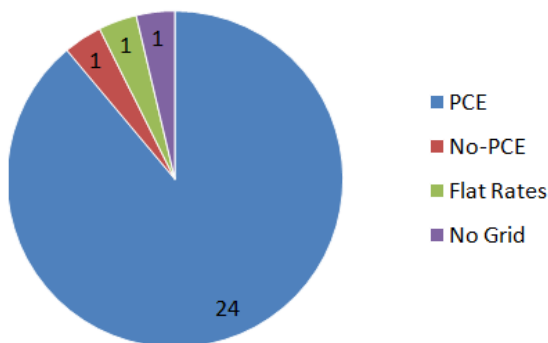
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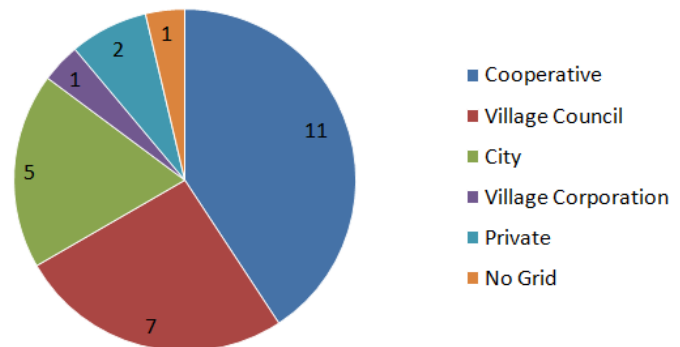
1. **CALL TO ORDER:** Meeting called to order at 12:00pm by Meera Kohler
2. **Melody Nibeck, Tribal Energy Program Manager, Bristol Bay Native Association**
  - Bristol Bay Overview
    - 1% of the Alaskan population, 7,214 people, 31 Tribes, 27 Communities
    - 16 - Lake & Pen Borough, 3 - Bristol Bay Borough, 12 - Other
    - Land mass size of Ohio
  - Bristol Bay Alternative Energy Task Force
    - 9 year task force (1996-2005) meeting 2 times a year
    - Conclusion: *“At that time, alternative energy sources not cost-effective relative to the price of fuel.”*
  - Bristol Bay Energy Policy
    - *The intent of the Bristol Bay Energy Policy is to reach the goal of **affordable**, reliable, safe and long-term energy and to realize energy self-sufficiency and security that supports and sustains the well-being of the Bristol Bay people and communities and that promotes economic development opportunities.*
    - Implementation Policy
      - Energy Assistance Programs
        - Electric & Heat Subsidy Programs
        - PCE Endowment Fund
        - Energy Development Fund
      - Transition Towards Diesel Independence
        - Recognition Diesel Around for Some Time
        - Fuel Monitoring Program
        - Proper Training
      - Energy Efficiency & Conservation
        - Support & Encourage Incentives
        - Education & Outreach
      - On-Shore Exploration
        - Support & Encourage Private, State & Federal Lands Exploration of Traditional Energy Sources
      - Electric Interties
        - Sub-Regional & Regional Interties

- Railbelt Tie-Ins & Statewide Energy Grid
    - Exploration of Alternative Energy Sources
    - Plan Collectively
      - Encourage Partnerships
      - Regional Energy Authority
  - Bristol Bay Native Association
    - Tribal Energy Program
      - Disseminate Information
      - Facilitate Partnerships
      - Advocate & Represent
      - Manage Energy Projects
    - Energy Assistance Programs Managed by BBNA
      - LIHEAP/AKHAP/CITGO
        - LIHEAP – Federal dollars
        - AKHAP – State dollars recently changed to include more Alaskans above the poverty line
      - 48 percent increase in enrolment
      - Upgrades/Repairs
  - Southwest Regional Alaska Municipal Conference - SWAMC
    - Energy Task Force
    - Resolutions to Policymakers
    - “Energy Savers Tips for Rural Alaska” (2<sup>nd</sup> Edition)
      - 2011 reversion coming out soon
- Energy in Bristol Bay – A bowl of mixed berries
  - Electric<sup>1</sup>

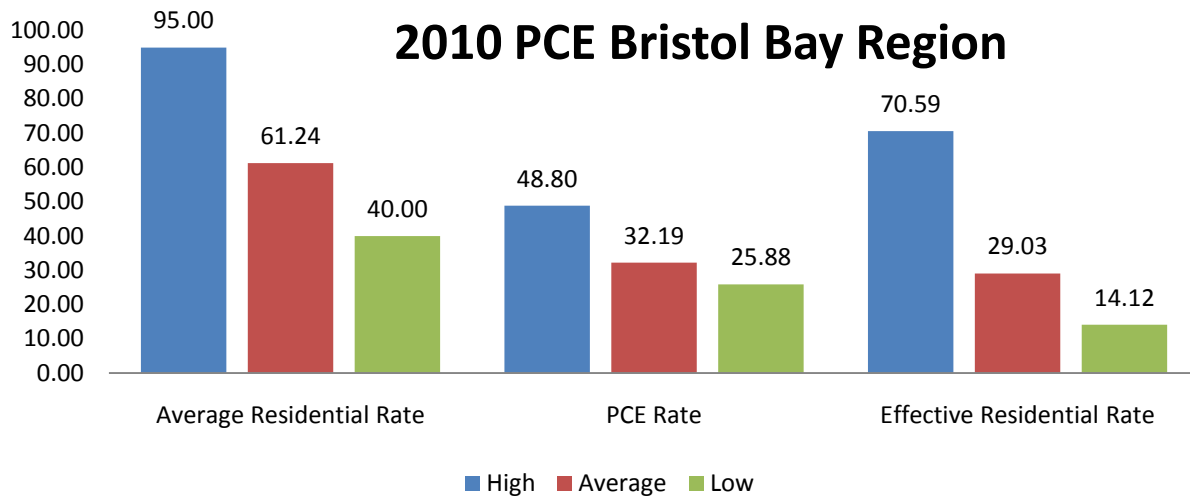
### Power Cost Equalization



### Utility Ownership

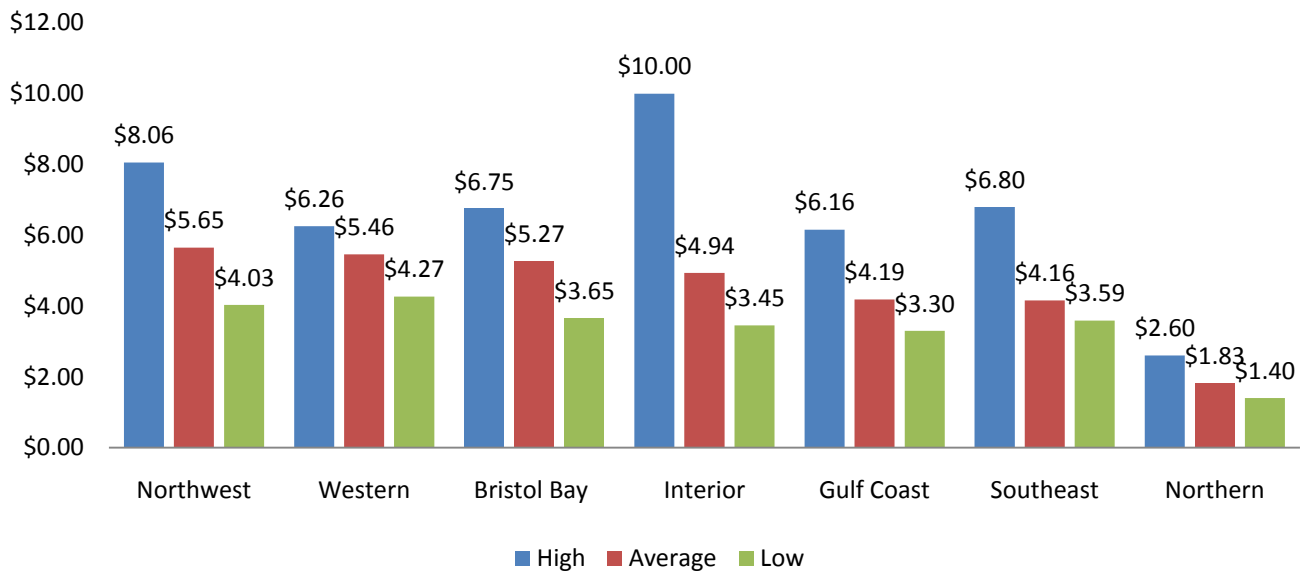


<sup>1</sup> Melody Nibeck, PowerPoint Presentation 6/23/11, Slide 14-15



- Space Heating<sup>2</sup>
  - Northern communities subsidized by the borough

### Heating Fuel #1 Prices

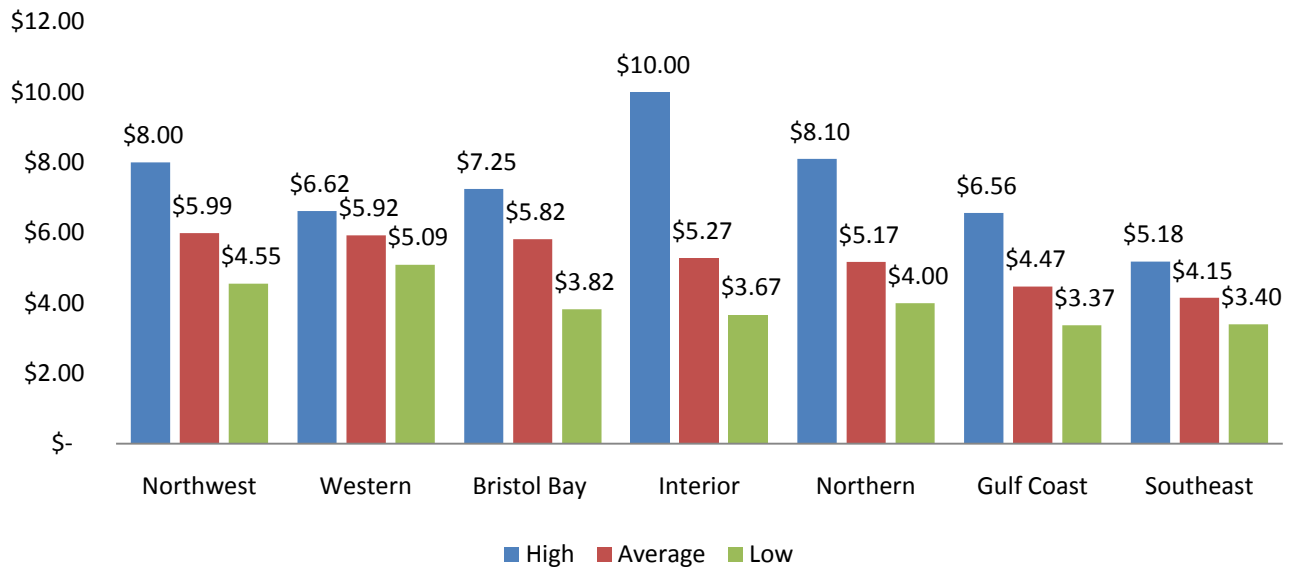


- Transportation<sup>3</sup>

<sup>2</sup> Current Community Conditions: Fuel Prices Across Alaska, Department of Commerce, Community & Economic Development, Division of Community and Regional Affairs, Report to the Director

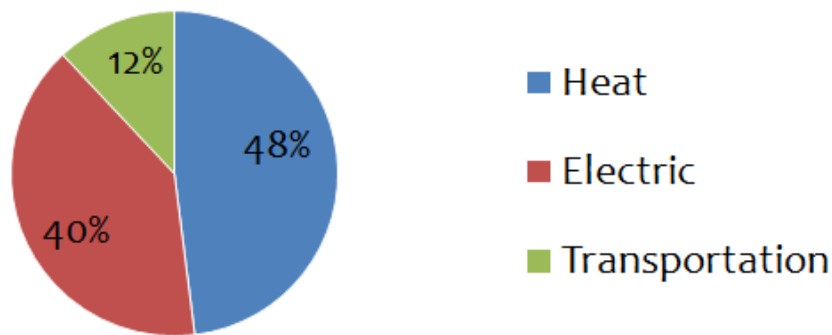
<sup>3</sup> Current Community Conditions: Fuel Prices Across Alaska, Department of Commerce, Community & Economic Development, Division of Community and Regional Affairs, Report to the Director

## Gasoline Prices



- Total Energy<sup>4</sup>
  - Alaska Energy Authority (AEA) total energy percentages for the region probably include commercial entities
  - It is largely understood that transportation makes up 1/3 of the total energy cost, AEA may not include barges and air traffic in these statistics

## Total Energy Averages



- Energy Efficiency in Bristol Bay
  - The state allocates money for renewable funds which ensures that many smaller communities can also take advantage of these renewable and alternative energy funds
  - Energy Efficiency & Conservation Block Grant (EECBG)
  - Village End-use Efficiency Measures Program (AEA)
  - Alaska Small Cities Energy Efficiency & Conservation Block Grant (AEA)
  - Village Energy Efficiency Program (AEA)
- Take Away Points
  - Energy Assistance Programs

<sup>4</sup> Alaska Energy, a first step toward energy independence, Alaska Energy Authority and Alaska Center for Energy and Power

- Immediate & Necessary Relief
  - Energy Efficiency & Conservation Programs
    - Immediate Results & Cost-Effective
  - Alternative Energy Programs
    - Take Time, Depend on Financing & Relative to Fuel Prices
  - Regional Approach
    - Technical & Financial Assistance Needed (reconnaissance & mapping)
    - Developing a regional Plan which focuses on local energy option analysis, interties, and profiling local and regional financing options
  - **Alaskan** Solution to Project Financing
    - IPP & Other For-Profit Models
    - Economies of Scale
- Discussion
  - Technical Assistance
    - and assumptions to put numbers together
  - Schools are the largest energy user in rural communities (typically 1/3), when the school closes the town typically ceases to exist
  - Goal is to keep as many communities vibrant as possible, yet this may not include every community

### 3. **Adjourned: 1:04pm**

### 4. **Upcoming Meetings**

- Thursday, June 30, **Christine Klein**, Chief Operating Officer, Calista Corporation & **Elaine Brown**, North Star Gas
- Thursday, July 7 **Aaron Schutt**, Doyon Limited
- Thursday, July 14 **Chris Lace**, The Aleut Corporation and **Bruce Wright** Senior Scientist for the Aleutian Pribilof Islands Association (Energy Solutions for the Aleutians – The A-Team Approach to Energy Conservation, Bulk Fuel and Renewable Projects)
- **Thursday, July 21 TBA**
- Thursday, July 28 **Bob Cox**, Vice President of Petroleum Distribution, Crowley - Petroleum Transportation & Delivery: Understanding Petroleum Retail Rates in Rural Villages