Really Off the Grid – Hooper Bay, AK
Old Housing – Energy Efficiency
Vintage Hooper Bay
Renewable Energy – Before & After
DOE Tribal Energy Grant

- $200,000 – Energy Efficiency Feasibility Study
- Hire & train 2-5 local energy assessors
- Energy audits of 24 homes with blower doors, etc.
  - Reduce energy consumption from air leakage
  - Moisture/mold issues
  - Reduce drafts
- $7/gallon heating fuel
- ~ $0.55/kWh – electricity (over half of households behind on utility payments)
Is your house drafty & where?

<table>
<thead>
<tr>
<th></th>
<th>Windows</th>
<th>Entrance</th>
<th>Walls</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>90.0%</td>
<td>80.0%</td>
<td>60.0%</td>
</tr>
</tbody>
</table>

89 respondents
Insulation problems?

Does the house have poor insulation and where?

- **Walls**: 70.0%
- **ceiling**: 30.0%
- **floors**: 80.0%

73 respondents
Mold in the house & where?

- Bedroom: 70.0% (72 respondents)
- Storage: 20.0%
- Windows: 80.0%

Is there mold in the house and where?