

The Alaska Energy Authority's (AEA)

# Small Energy Projects in SE Alaska

for SE Conference  
2006 Annual Meeting

by David Lockard, P.E.  
Project Manager

# Tenakee Springs project

- Final design completed, funding requested
- #2 diesel- 27,000 gallons
- #1 diesel- 22,000 gallons
- Gasoline- 21,000 gallons
- 3 new gensets- total capacity = 270kW
- Programmable automatic paralleling switchgear
- SCADA system with remote monitoring

# Tenakee Springs proposed site



# Tenakee Springs barge header



# Tenakee Springs tank farm



# Tenakee Springs new tanks during construction



# Tenakee Springs new powerhouse



# Upcoming SE Projects

- Angoon powerhouse upgrade
- Hoonah powerhouse and bulk fuel conceptual design reports
- Gustavus powerhouse module and tank farm
- Elfin Cove powerhouse upgrade (RUS)
- Pelican powerhouse module, hydro upgrade and tank farm
- Yakutat powerhouse upgrade final design