“If you don’t know where you’re going, any road will take you there”

- George Harrison
Our vision for Southeast Alaska is to reduce, to the maximum extent possible, the use of diesel as a primary fuel source for the generation of electricity.

This will be accomplished through the utilization of the region’s plentiful hydroelectric potential and the development of an interconnected transmission system to share these resources throughout Southeast Alaska.
A Few Milestones

1997 – 2002

- Intertie Committee formed in 1997
- White paper developed by Southeast communities
- Acres Report completed
- Federal Authorizing legislation passed
- Hired full-time Intertie Coordinator in late 2002
White Paper adopted in 1997 – 10 years ago

- “The most basic of infrastructure is electricity, because without adequate generation and transmission capacity, communities will be unable to sustain services, let alone grow.”

- “……there is adequate hydroelectric potential to serve all of Southeast for decades to come if an intertie system existed to transport power to the load centers.”

- “The communities of SE Alaska therefore support the concept of a southeast electric grid as a means of reducing or avoiding diesel dependence, encouraging economic development and stabilizing and equalizing power rates.”

Alaska Electric Light & Power
City of Kake
Metlakatla Power & Light
Tlingit & Haida Regional Electrical Authority

Alaska Power & Telephone
City of Ketchikan
City of Petersburg

City & Borough of Juneau
Ketchikan Public Utilities
City & Borough of Sitka
City of Wrangell
Acres International Report - 1998
2003

- Intertie Committee prioritized next segments to be added.
- Funding received from USDA-RD for economic analysis of complete Southeast Alaska Intertie project
- D. Hittle report completed in late 2003
- SEC agreed to act as permit applicant for J/GC segment EA
- J/GC/H, S/T segments and Kasadiya Hydro project receive federal funding
- ROW clearing on Swan/Tyee segment
2004

- EA for Juneau/Greens Creek segment completed – ROD
- Received Denali/USDA-RD funding for legal entity formation
- Kwaan Electric Transmission Intertie Cooperative, Inc
- MOU between SEC/Kwaan completed
- Overhead T-line from Youngs Bay to Hawk Inlet completed
- Formed Steering Committee for Kake/Petersburg segment planning study
- Retained D. Hittle to conduct K/P study
- J/GC/H & S/T received additional federal funding
- Changed name of Intertie Committee to Energy Committee
- ROW clearing & foundation installation continues on S/T
2005

- Conducted and completed Kake/Petersburg Planning Study
- Preferred route selected for Kake/Petersburg.
- Began assisting communities outside Intertie ‘corridor’ with their energy projects – Gustavus, Meyers Chuck, Pelican
- J/GC submarine cable from Douglas Island to Hawk Inlet installed.
- Overhead line from Hawk Inlet to GC mine about complete
- South Fork Hydro construction on POW underway
- Falls Creek Hydro in Gustavus receives FERC license
- Receive funding to conduct analysis of BC Interconnection
- Energy Committee membership grows to 25+

FIGURE 1-2
Southeast Alaska
Existing and Proposed
Transmission Lines
Southeast Alaska Intertie Study
Since 1980......

Hydro Projects on line:
- Swan Lake
- Tyee Lake
- Green Lake
- Black Bear Lake
- South Fork
- Goat Lake

Projects under construction:
- Otter Creek
- Falls Creek
- Lake Dorothy

Transmission Lines built:
- Tyee Lake to Wrangell to Petersburg
- Swan Lake to Ketchikan
- Prince of Wales Island system
- Haines to Skagway
- Green Lake to Sitka
- Juneau to Admiralty Island
- Others ??
Conclusion – It’s Gonna Rain!

• One constant we can count on in Southeast Alaska is rain and lots of it.
• Varies from 200” a year in Southern Southeast to less than 50” in the northern panhandle
• Rain is the fuel that runs the turbines
• It’s free!!

Spill at the Tyee Lake Project