

Sitka Generation

- Hydro
 - Green Lake Hydro . 18 MW
 - Blue Lake Hydro . 6.0 MW
 - Fish Valve Unit . 670 kW
 - Filter Plant Unit . 870 kW

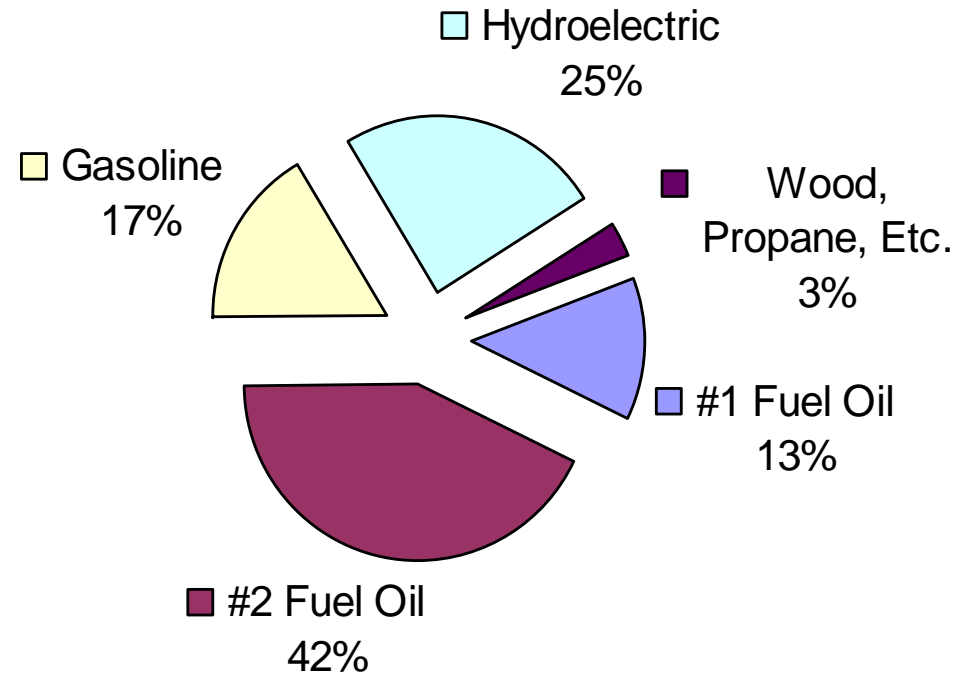
- Diesel
 - Jarvis Street . 11.4 MW

- Peak System Load . 22.5 MW

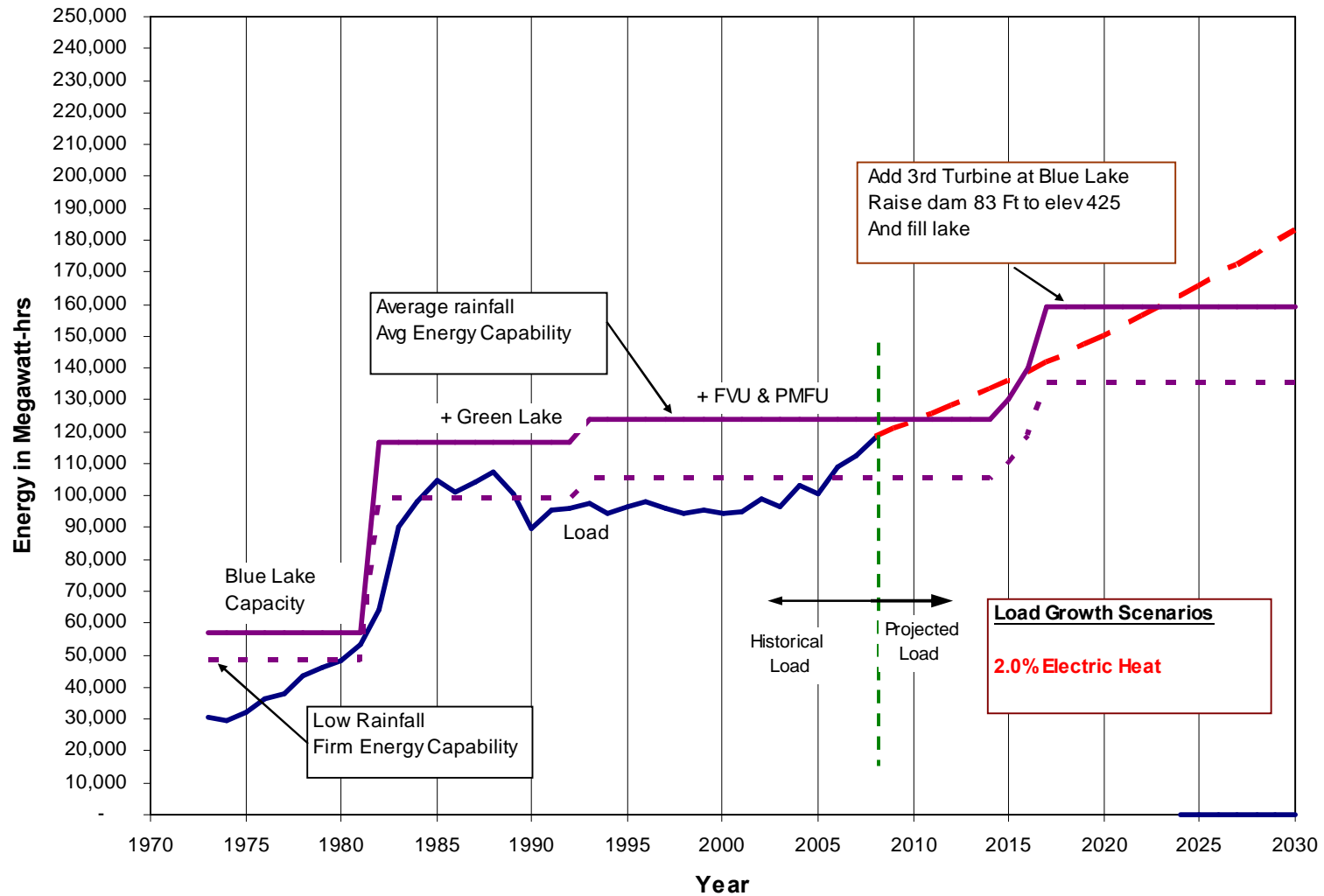
- Total Generation . 36.94 MW

Sitka Runs on Oil

MBTU Consumed in Sitka in 2008
Oil totaled 9 Million Gallons



and Projected Total Energy Requirement (1973-2030)



Action Plan

- **Pray for rain**
 - 124,000 MWh best case, 110,000 MWh worst case for hydro
 - 2008 total system load 118,296 MWh

- **Permit & add supplemental diesel**
 - Permit limit at 327,00 gal.
 - Projected annual diesel generation of 1.3M gal. before Blue Lake Expansion

- **Complete Blue Lake Expansion Project**
 - Adds 35,000 MWh of capacity
 - Two years to recharge lake

- **Takatz Lake**

- **Regional Intertie**

Increase Blue Lake Dam Height 83 Feet



Blue Lake Inundation



BLUE LAKE AMENDMENT INUNDATION PROPOSALS

Sitka's Avalanche – Jan 2009

