SEAPA’s Mission: To provide the lowest wholesale power rate consistent with sound utility planning and business practices. We exist for the long-term benefit of our member utilities and the rate payers, providing unified regional leadership for project development and prudent management of our interconnected power system.
SEAPA - Overview

**Joint Action Agency (JAA) - Regional Wholesale Power Provider**
- SEAPA is a not-for-profit, evolved from the FDPPA
- Governed by municipal appointed directors (WRG, PBG, KTN)

**SEAPA Owned Facilities**
- 2 Hydro Projects (Swan & Tyee built in early 80’s)
- 175 miles transmission, 14 miles submarine cable, substations, switchyards

**JAA Bundled Regional Services - Postage Stamp Rate**
Power scheduling, water resource mgmt., planning & engineering, facilities O&M, risk mgmt., project mgmt., etc.
JAA Area

Transmission system Petersburg to Ketchikan

SEAPA owned facilities serve about 60% of the load

< 12,000 meters

SEAPA Generation

Swan Lake
25 MVA
77,000 MWh

Tyee Lake
25 MVA
130,000 MWh
Industry Advocacy
A Long-term Commitment
State

• Alaska Power Association
• Legislative outreach
• Southeast Conference
• Chambers of Commerce (Ktn, Wrg, Pbrg)

Regional

• Northwest Hydroelectric Association
• Northwest Public Power Association

National

• National Hydropower Association
• Legislative
Federal Policy
Potential for Progress
Senate Bill 2012:
Energy Policy Modernization Act
SEAPA amendment

Roadless Rule:
SEAPA major legal investment

Kake, et. al. v. Alaska. This case is on appeal through a Writ of Certiorari at the United States Supreme Court.

Alaska v. USDA. This case involves a direct challenge to the Roadless Rule. The case is now pending back in the US District Court.
Tongass Forest Plan Amendment:
• SEAPA filed comments 2013, 2014, 2016
• *Renewable Energy Direction* – New guidance
• Working on clarifications to reduce uncertainties

Federal Energy Regulatory Commission:
4(e) Mandatory conditioning authority overreach
• 10 Alaska hydro projects relicensing next 15 years
• Approx. 13 new projects under active consideration
• Outreach to Alaska Delegation
• Unlikely to be fully addressed in S.2012

FERC land use fees; 70% increase in 5 year period
State & Local
Policy - Initiatives
Securing Financial Pathways

- Preservation of PCE Endowment
- New funding mechanism for Renewable Energy & Immerging Technology Funds
- Contouring loan structures
- Multi-source financing
- State Muni Bond Bank access
System Load Analysis & Forecasting

- How is energy use evolving?
- Customer class dynamics
- Population
- Weather
- Economy and fuel costs
- Conversions
- Industrial growth
- Timing of new generation investment
Energy Resource Evaluations

- Hydro
- Wind
- Geothermal
- Tidal
- Potential interconnection
  - Kake: Draft Record of Decision
  - Metlakatla
Alignment For Long-term Success

• Policy reform
• Building legislative relations
• Educating key decision makers
• Assisting agencies on energy issues
• Stewardship
  – Increasing community outreach
  – Sponsoring USFS public use cabins
  – Supporting King Salmon rearing pens
Swan Lake

Commercial Operation, June 1984
Swan Lake Reservoir Expansion

- Cost $10M
- License Amendment (Approved)
- Contracts Awarded
- Completion 2016

Dam 174’ high x 430’ wide
Spillway 15’ high x 100’ wide
Swan Lake Reservoir Expansion
Project Benefits

• More energy
  – Up to 12,000 MWhrs (7,500 avg.)
  – Displaces up to 800,000 gal/diesel
    = 7,904,000 lbs/\text{CO}_2

• 25% more active storage

• Safely increases reservoir height for greater efficiency

• Supports integration of non-dispatchable renewables (wind, run-of-river hydro)

• \textbf{No rate increase required}
Abundant Affordable Energy
“The Cornerstone of Economic Development”

Thank you

Please visit our website:
seapahydro.org

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