SEAPA
Powering Economic Development
Southeast Conference – 9/12/2018
Trey Acteson, CEO

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

Regional Joint Action Agency (JAA)

- Wholesale power provider – KTN, WRG, PBG
- Governed by municipal appointed directors
- Financially & legally separated from Muni’s
- Agency absorbed long-term liability of assets
- Assets > $.5 Billion in replacement value
- Own 2 hydroelectric projects (Swan & Tyee), 175 miles transmission, 4 submarine cable crossings, marine terminals, substations, switchyards, etc.
- 6.8 cents/kWh - Stable rates for over 20 years!
- Rebated $2.7M last year, lowering effective wholesale rate to approximately 5 cents/kWh
SEAPA Interconnected Region

< 12,000 Meters

Total Area Hydro Capability (MWh)
Avg. 286,000
High 336,000
Low 236,000

KTN

SEAPA Generation

PSG

WRG

Swan Lake
25 MVA
77,000 MWh

Tyee Lake
25 MVA
130,000 MWh

STI
The Value of Interconnection
Swan-Tyee Intertie (STI)

- 2017 STI averaged 3.6MW
- 2017 Total 31,566 MWh’s
- 2017 Tyee displaced $9.5M in KTN Diesel*

*Based on 30 cents/kWh for diesel generation
Swan Lake

Commercial Operation, June 1984
Swan Lake Reservoir Expansion Benefits

1st year in service (Did not fill all the way)
Displaced $1,116,900 of KPU diesel generation
*Based on 30 cents/kWh for diesel generation
Swan Lake Raise Captured Spill 2017

Captured Spill = 3,723MWh

Displaced Diesel = $1,116,900

Previous Spill Elevation
System Load Forecasting

SEAPA Member Utilities
Forecasted Total Energy Requirements – Low and High Cases

1.85% Average Annual Growth 2005-2015

Low: 0.50% Average Annual Growth 2015-2035
High: 1.25% Average Annual Growth 2015-2035
Ballot Measure #1

Understand the impacts before you vote!

• The ballot measure wording is very deceiving
• Costs will increase in many areas
  o Developing new renewable energy projects
  o Relicensing of existing hydro projects
  o Permitting and access to electrical infrastructure (e.g. transmission lines)
• The measure will add another layer on top of the existing robust FERC permitting process
• Diverse opposition across the state
• Especially harmful to marine based communities
Swan Lake Boundary Correction Act

• Lowers long-term administrative costs
• Significantly reduces relicensing costs
• Signed into law by POTUS!
SEAPA
Communities working together to keep electric rates low
Thank you

Please visit our website: seapahydro.org

Trey Acteson
Chief Executive Officer
Southeast Alaska Power Agency
907-617-0323