



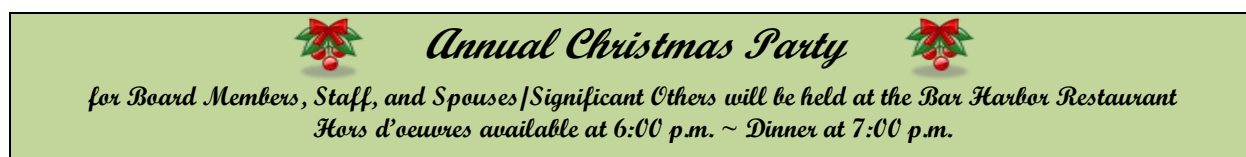
## SOUTHEAST ALASKA POWER AGENCY

### Regular Board Meeting AGENDA

Best Western Plus Landing Hotel | Ketchikan, Alaska

Thursday, December 10, 2015 | 9:00 a.m. to 5:00 p.m. AKST

**For Telephonic Participation: Dial 1-800-315-6338 (Access Code: 73272#)**



1. Call to Order
  - A. Roll Call
  - B. Communications/Lay on the Table Items
  - C. Disclosure of Conflicts of Interest
2. Approval of the Agenda
3. Persons to be Heard
4. Review and Approve Minutes
  - A. September 14-15, 2015 Minutes of Regular Board Meeting
  - B. November 3, 2015 Minutes of Special Board Meeting
5. Financial Reports
  - A. CEO Financial Cover Memo
  - B. Controller's Report
  - C. kWh Graph
  - D. Grant Summary
  - E. Financial Statements – October 2015
  - F. Financial Statements – September 2015
  - G. Financial Statements – August 2015
  - H. R&R Reports
  - I. Disbursement Approvals – September, October, and November 2015
  - J. Presentation and Approval of FY15 Audited Financials  
(Joy Merriner of BDO will call in at approximately 10:00 a.m.)
6. CEO Report

7. Staff Reports
  - A. Operations Manager's Report (*Henson*)
    - (i) Tyee Lake Report
    - (ii) Swan Lake Report
  - B. Director of Special Projects Report (*Wolfe*)
  - C. Power Systems Specialist Report (*Schofield*)
8. New Business
  - A. Consideration and Approval of Non-substantive and Minor Changes to Bylaws
  - B. Consideration and Approval of Document Retention Policy
  - C. Consideration and Approval of SEAPA's Operations Plan for 2016
  - D. Consideration and Approval of Contract Award Re: Swan Lake Reservoir Expansion Project (Fixed Wheel Gate)
  - E. Consideration and Approval of Volunteer Maintenance Agreement for U.S. Forest Service Cabins
  - F. Consideration and Approval of SSRAA Memorandum of Understanding
  - G. Consideration and Approval of Motion Re Bell Island Geothermal Investigation
  - H. Approval of Rebate to Member Utilities
  - I. Consideration of Proposed 2016 Meeting Dates
9. Director Comments
10. Adjourn



## SOUTHEAST ALASKA POWER AGENCY

### Minutes of Regular Meeting

September 14-15, 2015

Borough Chambers  
Petersburg, Alaska

(An audio recording of this meeting is available on SEAPA's website at [www.seapahydro.org](http://www.seapahydro.org))

#### 1) Call to Order

- A. *Roll Call.* Chairman Jensen called the meeting to order at 1:00 p.m. AKDT on September 14, 2015. The following directors and alternates were present, thus establishing a quorum of the board:

Director	Alternate	Representing	
	Bill Rotecki	Swan Lake	Ketchikan
	Andy Donato	Swan Lake	Ketchikan
	Charles Freeman	Swan Lake	Ketchikan
Joe Nelson	John Jensen	Tyee Lake	Petersburg
*Stephen Prysunka	Clay Hammer	Tyee Lake	Wrangell

\*Mr. Prysunka participated in the meeting telephonically.

The following SEAPA staff/counsel were present for all or part of the meeting:

Trey Acteson, Chief Executive Officer  
Ed Schofield, Power System Specialist  
Sharon Thompson, Executive Assistant  
Joel Paisner, Ascent Law Partners, LLC

Eric Wolfe, Director of Special Projects  
Steve Henson, Operations Manager  
Kay Key, Controller

- B. *Communications/Lay on the Table* – None.  
C. *Disclosure of Conflicts of Interest* – None.

#### 2) Approval of the Agenda

➤ <b>Motion</b>	M/S (Prysunka/Rotecki) to amend the Agenda to hold the executive session as the last item of business on September 14 <sup>th</sup> rather than on September 15 <sup>th</sup> . Motion approved unanimously by polled vote.	Action 16-446
➤ <b>Motion</b>	M/S (Freeman/Nelson) to approve the Agenda, as amended. Motion approved unanimously by polled vote.	Action 16-447

- 3) **Persons to be Heard** – Although it was anticipated that Ted Smith would be available to address the Board under this matter in the agenda, he was not present until later in the meeting. This item in the Agenda was moved accordingly.

#### 4) Review and Approve Minutes

➤ <b>Motion</b>	M/S (Nelson/Freeman) to approve the Minutes of the Regular Meeting of June 10, 2015. Motion approved unanimously by polled vote.	Action 16-448
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➤ <b>Motion</b>	M/S (Nelson/Donato) to approve the Minutes of the Special Meeting of July 7, 2015. Motion approved unanimously by polled vote.	Action 16-449
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#### 5) Financial Reports

(A)-(H) Mr. Acteson reported that SEAPA remains financially sound and provided the highlights of SEAPA's current revenue and expenses, construction fund, and renewal and replacement project expenditures.

➤ <b>Motion</b>	M/S (Freeman/Donato) to approve the financial statements for the months of May, June, and July 2015. Motion approved unanimously by polled vote.	Action 16-450
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➤ <b>Motion</b>	M/S (Rotecki/Freeman) to approve disbursements for the months of June, July, and August 2015 in the amount of \$3,443,857.07. Motion approved unanimously by polled vote.	Action 16-451
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#### 6) CEO Report

Mr. Acteson announced that the Federal Energy Regulatory Commission (FERC) approved the license amendment for SEAPA's Swan Lake Reservoir Expansion Project and advised that although an appeal by intervening parties was possible, that FERC had thoroughly addressed each argument they presented, which may preclude further intervention. He provided highlights of the Energy Policy Modernization Act relating to hydropower regulatory improvements that had passed the Senate Energy and Natural Resources Committee and discussed the Alaska Power Association's 64<sup>th</sup> Annual Meeting, which was held in Ketchikan and hosted by SEAPA. He also advised that a Document Retention Policy had been drafted and after further vetting would be presented to the Board for consideration at its December meeting. He advised the annual insurance renewal was complete and that SEAPA's summer intern had terminated on August 17. He suggested the board consider an embedded scholarship in addition to its intern program in an effort to assist and encourage young professionals in developing their future career path in the organization.

The meeting recessed at 1:58 pm and reconvened at 2:10 p.m.

The Chairman announced that Persons to be Heard would be next on the Agenda since Ted Smith was available to speak to the board. Mr. Smith apprised the board of the status of a millsite biofuel co-gen project that he and John Glenn had hoped to develop. He reported that the project is on hold and that if it could be developed, it would be a win-win for SEAPA. He encouraged SEAPA to consider biofuels.

**7) A. Operations Manager Report (Steve Henson)** – Mr. Henson provided updates on several of SEAPA's major contracts and projects. He reported that 26 helipads had been installed to date, the brushing contractor had cleared 14 towers and 7 spans on the Swan Lake transmission line corridor, and that trail clearing on the Swan-Tyee Intertie would take place in Fiscal Year 2017 for access to existing towers. He explained that SEAPA was developing an agreement for sponsorship of Forest Service

cabins that would otherwise be disposed of. Any agreement would be brought before the board for its consideration at the next regular meeting. He discussed the failure of the Unit #1 generator breaker at Swan Lake and actions taken to correct the failure. Mr. Henson provided highlights from the Swan Lake and Tyee Lake reports.

**B. Director of Special Projects Report (Eric Wolfe, P.E.)** – Mr. Wolfe opened with a Power Point presentation on load forecasting and acknowledged receiving necessary data from two utilities for SEAPA's load forecast project. Following much discussion, different ways to assist the third utility in providing its data were presented. A resolution of the matter was agreed upon for retrieval of the data. Mr. Wolfe provided updates on SEAPA's Alarm-Controls-Protection, Swan Lake Reservoir Expansion Project, the Tyee Lake Turbine Spherical Valve projects and covered the accomplishments to date on the Hydro Site investigation being conducted by SEAPA. He also provided updates on Tyee Lake and Swan Lake unit integrity and discussed water management. He presented a comparison of this year's winter and spring conditions with a normal water year noting how different weather and loads have been from normal. He advised that SEAPA is compiling weather data in an effort to develop a load forecast for future planning efforts.

**C. Power System Specialist Report (Ed Schofield)** – Mr. Schofield reported that the Swan Lake Supporting Technical Information Document had been submitted to FERC and after completion of the Swan Lake Reservoir Expansion Project, the document would have to be rewritten and resubmitted to FERC because of the substantial changes to the Swan Lake Project. He provided updates on the status of SEAPA's office server backup power system, the Swan Lake Powerhouse roof, and generator exciter and switchgear replacement projects. He advised that a certified timber cruise would take place in October at Swan Lake because it is required under the license amendment granted by FERC. He explained that the Swan Lake Dam abutment would have to be cleared following a Part 12 Independent Consultant Safety Inspection Report and that a consultant had been hired to complete the task. Following his report, he presented slides on an unexpected layer of concrete and large amount of water that was found after the roofing contractor removed the old roof system from the Powerhouse at Swan Lake. It was determined that once the new roof was completed, that a recommendation be made in writing to KPU that the powerhouse be power washed every five years to keep the moss off.

The meeting recessed at 4:30 p.m. for an executive session. Before the executive session commenced, a motion was made and approved unanimously to enter into the executive session. The meeting reconvened at 5:40 p.m. into regular session. No formal action was taken following the executive session. Chairman Jensen recessed the regular session at 5:40 p.m. to continue the following day.

The meeting reconvened on September 15, 2015 at 9:00 a.m.

## 8) Call to Order

**A. Roll Call.** The following directors and alternates were present, thus establishing a quorum of the board:

Director	Alternate	Representing	
*Lew Williams	Bill Rotecki	Swan Lake	Ketchikan
*Judy Zenge	Andy Donato	Swan Lake	Ketchikan
	Charles Freeman	Swan Lake	Ketchikan
Joe Nelson	John Jensen	Tyee Lake	Petersburg
	Clay Hammer	Tyee Lake	Wrangell

\*Mr. Williams and Ms. Zenge participated in the meeting telephonically.

9) **New Business.**

- A. *Potential Unit 1 Rewind at Swan Lake.* Mr. Acteson explained that a high potential test would be conducted on Swan Lake's Unit 1 on September 9, and that SEAPA had solicited bids for a rewind contractor in the event the test failed. He advised bids that were received and a special board meeting would be called to award a contract to the recommended contractor in the event the test fails.

Chairman Jensen recessed the meeting from 9:07 a.m. to 9:09 a.m. to redial the speaker phone due to difficulties with audibility. Following the redial, Ms. Zenge was present telephonically; Mr. Williams was not yet back on the line.

B. *Contract Award Re Two (2) Used S65 Genie Manlifts*

➤ <b>Motion</b>	M/S (Freeman/Hammer) to authorize staff to enter into a contract with Tyler Rental, Inc. for one (1) used Genie S65 Boom Lift, Serial No. 56008-17417 for \$65,900 to be utilized at SEAPA's Tye Lake Hydroelectric Project and one (1) used Genie Boom Lift, Serial No. 56008-19593 for \$63,900 to be utilized at SEAPA's Swan Lake Hydroelectric Facility. Motion approved unanimously by polled vote.	Action 16-452
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C. *Sole Source Contract Award to Futaris, Inc.*

➤ <b>Motion</b>	M/S (Hammer/Rotecki) to authorize staff to enter into a sole source Purchase Order and Services Contracts with Futaris, Inc. for the not-to-exceed value of \$160,000 for a Bill of Materials, labor, and costs for Phase II of SEAPA's Satellite Communications Upgrade Project. Motion approved unanimously by polled vote.	Action 16-453
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- D. *Sole Source Contract to Sunrise Aviation.* It is noted for the record that Mr. Williams re-joined the meeting telephonically prior to the following motion being heard:

➤ <b>Motion</b>	M/S (Hammer/Freeman) to authorize staff to enter into an Air Carrier Contract with Sunrise Aviation, Inc. for a five-year term effective September 1, 2015 to August 31, 2020 for fixed wing flight services at the base rate of \$400 for each contracted, scheduled, completed flight between Wrangell and the Tye Hydroelectric Facility, estimated to be 104 flights annually, with the option for Sunrise Aviation to revisit its rate on April 1 each year and negotiate insurance and fuel cost adjustments accordingly with the Agency's staff. Motion approved unanimously by polled vote.	Action 16-454
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E. *Review of Employee Benefits Plan FY16 Renewal Rates*

➤ <b>Motion</b>	M/S (Hammer/Freeman) to increase the budget for Administrative Expense to \$1,413,000 to cover the \$24,000 error and the escalation of health and welfare costs and direct staff to renew NRECA employee group benefit plans as presented. Motion approved unanimously by polled vote.	Action 16-455
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F. *Resolution No. 2016-059 Re Approval of Signature Authorities*

➤ <b>Motion</b>	M/S (Hammer/Freeman) to adopt Resolution No. 2016-059 authorizing signatories to the First Bank Accounts named in Resolution No. 2016-059. Motion approved unanimously by polled vote.	Action 16-456
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G. *Resolution No. 2016-060 Re Special Use Authorization for Use and Occupancy of National Forest Service Lands*

➤ <b>Motion</b>	M/S (Hammer/Freeman) to adopt Resolution No. 2016-060 authorizing SEAPA's Chief Executive Officer to file an application with the U.S. Forest Service for a Special Use Authorization for the use and occupancy of National Forest System lands located in the Lost Creek drainage area at Swan Lake for activities that will be required for the development of SEAPA's Swan Lake Reservoir Expansion Project. Motion approved unanimously by polled vote.	Action 16-457
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H. *Resolution No. 2016-061 Re Acquisition and Disposal of Capital Assets*

➤ <b>Motion</b>	M/S (Hammer/Freeman) to adopt Resolution No. 2016-061 which updates SEAPA's capitalization policy and which shall replace Resolution No. 90-42 in its entirety. Motion approved unanimously by polled vote.	Action 16-458
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The meeting recessed at 9:35 a.m. and reconvened at 9:50 a.m.

I. *Wholesale Power Rate.*

➤ <b>Motion</b>	M/S (Williams/Freeman) to reduce SEAPA's wholesale power rate from 6.8 cents/kWh to 6.2 cents/kWh. Following discussion, the motion failed three to two with Mr. Freeman, Mr. Nelson, and Mr. Hammer voting against the motion and Ms. Zenge and Mr. Williams voting in favor of the motion.	Action 16-459
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J. *Next Meeting Date*

After discussing various board members' schedules, the board reached a consensus that December 10-11, 2015 would be the next regular meeting of the directors:

10) **Director Comments** – Directors provided brief comments.

11) **Adjourn**

Chairman Jensen adjourned the meeting at 10:18 a.m. AKDT.

Signed:

Attest:

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Secretary/Treasurer

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Chairman



## SOUTHEAST ALASKA POWER AGENCY

### Minutes of Special Meeting

November 3, 2015

Southeast Alaska Power Agency Offices  
via Teleconference | Ketchikan, Alaska

(An audio recording of this meeting is available on SEAPA's website at [www.seapahydro.org](http://www.seapahydro.org))

#### 1) Call to Order

- A. *Roll Call.* Ms. Zenge (Secretary-Treasurer) announced that she was requested to chair the meeting as Mr. Jensen would not be available to attend and that Mr. Hammer (Vice Chair) also did not anticipate being able to chair. Ms. Zenge called the meeting to order at 10:00 a.m. AKST on November 3, 2015. The following directors and alternates were present, thus establishing a quorum of the board:

Director	Alternate	Representing	
Lew Williams	Bill Rotecki	Swan Lake	Ketchikan
Judy Zenge		Swan Lake	Ketchikan
	Charles Freeman	Swan Lake	Ketchikan
Stephen Prysunka (telephonic)	*Clay Hammer	Tyee Lake	Wrangell
Joe Nelson (telephonic)		Tyee Lake	Petersburg

\*Mr. Hammer joined the meeting telephonically at 10:08 a.m.

The following SEAPA staff and counsel were present for all or part of the meeting:

Trey Acteson, Chief Executive Officer	*Eric Wolfe, Director of Special Projects
*Steve Henson, Operations Manager	Kay Key, Controller
Sharon Thompson, Executive Assistant	*Joel Paisner, Ascent Law Partners, LLP

\*(attended telephonically)

#### 2) Approval of the Agenda

➤ <b>Motion</b>	M/S (Williams/Zenge) to approve the agenda as presented. There were no objections to the motion.	Action 16-460
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#### 3) New Business

- A. *Contract Award re Swan Lake Reservoir Expansion Project (Spillway Flashboards)*

➤ <b>Motion</b>	M/S (Freeman/Williams) to authorize staff to enter into a Contract with Kuenz America, Inc. for SEAPA's Swan Lake Reservoir Expansion Project (Spillway Flashboards) for the value of \$535,800 plus shipping and contingency for	Action 16-461
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	fabrication and monetary exchange rates of \$103,857 for the total not-to-exceed value of \$639,657. Motion approved unanimously by polled vote.	
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*B. Sole Source Contract Award re TSV Replacement Valves*

➤ <b>Motion</b>	M/S (Williams/Zenge) to authorize staff to enter into a sole source Purchase Order Contract with Andritz Hydro Corporation for replacement valves for SEAPA's Turbine Shutoff Valves Project for the value of \$147,300, plus shipping and import duty fees of \$1,400 for a not-to-exceed value of \$148,700. Motion approved unanimously by polled vote.	Action 16-462
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*C. Executive Session*

➤ <b>Motion</b>	M/S (Williams/Freeman) to recess into Executive Session to facilitate discussions relating to Bell Island. The Executive Session will be conducted pursuant to SEAPA's Bylaws, which are consistent with Alaska Statute 44.62.310 as discussions will involve matters that will have an immediate impact on the finances of the Agency, as well as matters to be discussed with an attorney retained by the board, which could have an adverse effect on the legal position of the Agency. Motion approved unanimously by polled vote.	Action 16-463
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The meeting recessed at 10:16 a.m. for the executive session, and reconvened at 10:54 a.m. Ms. Zenge announced that the Board met in executive session and that no action would be taken following the executive session.

**4. Adjourn**

*A. Adjournment*

➤ <b>Motion</b>	M/S (Freeman/Williams) to adjourn the meeting. There were no objections to the adjournment.	Action 16-464
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Ms. Zenge adjourned the meeting at 10:55 a.m. AKST.

Signed:

Attest:

\_\_\_\_\_  
Secretary/Treasurer

\_\_\_\_\_  
Chairman



## Southeast Alaska Power Agency CEO Financial Cover Letter

**DATE:** December 3, 2015

**TO:** SEAPA Board of Directors

**FROM:** Trey Acteson, CEO

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SEAPA's financial position remains strong, with no major unforeseen events occurring year-to-date. The financial statements in your Board packets include August, September, and October 2015. The power sales graphs include the most recent information available through the end of November 2015.

**REVENUE & EXPENSES:** The FY16 budget is tracking well. Revenues through October are \$3,414,771 actual vs. \$3,726,400 budget. Factoring estimated first-quarter displaced sales of \$138,000 due to Whitman operation, we are slightly below budget for overall revenues. Total administrative and operating expenses through October are \$1,918,733 actual vs. \$2,280,723 budget, approximately 16% below budget. Lower-than-budgeted spending is attributable to lower spending in maintenance of overhead transmission lines, contract services, regulatory, and general expense. It is not uncommon for these areas to fluctuate throughout the year.

**RENEWAL & REPLACEMENT PROJECTS:** R&R project expenditures through the end of October 2015 were \$2,350,274 (excluding SWL Reservoir Expansion) and is indicative of project activity. Several projects have been completed or are near closeout including; Wood Helipad Repair SWL, Circuit Switcher WRG, Wrangell Reactor, Powerhouse Roof Replacement SWL, and Manlifts SWL-TYL. Significant expenditures were also made related to the STI Helicopter Pads. R&R spending will likely slow over the winter months and accelerate again in the spring. However, this may be dependent on critical path activities associated with the SWL Reservoir Expansion. Controlling lake levels to avoid spill during construction will take priority over planned R&R's. Depending on reservoir levels, this could result in deferring some planned work into FY17.

**BELL ISLAND:** Staff is recommending that the Board take formal action to acknowledge SEAPA's investigation of the Bell Island geothermal resource has concluded. This will allow Accounting to proceed with expensing what is currently listed as a deferred asset. This item will be presented for Board consideration under new business.

**ANNUAL AUDIT:** SEAPA's FY2015 audit was successfully completed and is awaiting Board approval. There were no material weaknesses or significant deficiencies identified. There were no findings related to the financial statements which are required to be reported. There were no findings and questioned costs for State awards that are required to be reported. This item will be addressed in greater detail later in the agenda.

**REBATE:** We have provided a detailed explanation and distribution breakdown of the proposed \$1.5 million rebate for FY2015 under new business, but I also wanted to highlight it here since it is a significant financial event. SEAPA continues to rebate excess revenues, effectively lowering the wholesale power rate to our valued members. This process has worked well and has enabled us to maximize value to rate payers while effectively mitigating risk and meeting the business needs of the organization. Achieving this balance is consistent with our mission statement and reflective of the overall financial stability of the organization.

**RATES:** The Board engaged in a good discussion at our last regular meeting regarding a possible rate reduction; touching on the pros and cons, timing with major projects, revenue trends, and other potential impacts. A motion at that time to lower rates was narrowly voted down, but there was interest expressed on both sides in revisiting the issue at a later date with a formal presentation by staff. I propose that we revisit the issue at our spring 2016 meeting. This will allow new Directors to get through their first Board meeting and is prior to budget development, allowing staff to plan accordingly. It is also well timed with the Swan Lake Reservoir Expansion final design process, as existing uncertainties should be significantly minimized by that time. I appreciate the Board's thoughtful consideration on this issue and look forward to presenting additional information for the Board's consideration.



## SOUTHEAST ALASKA POWER AGENCY

Controller's Report  
Kay Key | December 2015

**Date:** December 1, 2015  
**To:** Trey Acteson, CEO  
**From:** Kay Key  
**Subject:** Financial Statements for December 10, 2015 Board Meeting

### SUGGESTED MOTION

I move to approve financial statements for the months of August, September and October 2015.

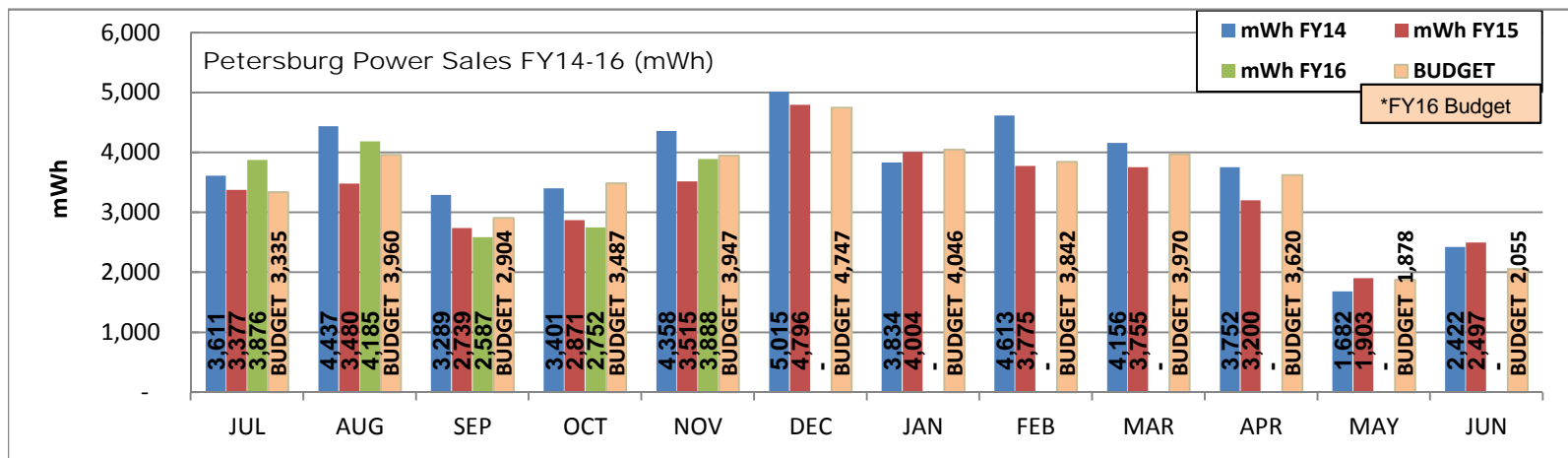
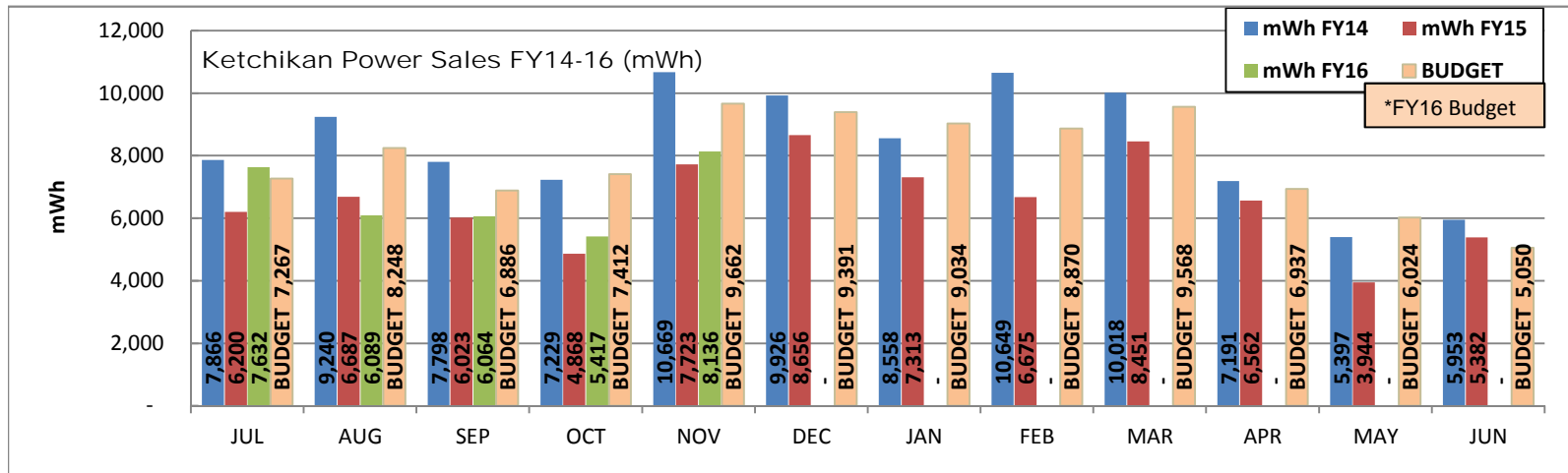
The following FY2016 financial reports are included in this board packet:

- **kWh Graph** (through November, 2015)
- **Grant Summary**
- **Monthly Financial Statements for August, September and October, 2015:**
  - ✓ Financial Overview
  - ✓ Fund Allocation Graph
  - ✓ Statement of Financial Position – Summary
  - ✓ Statement of Activities – Summary
  - ✓ Statement of Financial Position – Detail
  - ✓ Statement of Activities – Budget Comparison
- **R&R Projects: Summary and Detail**
- **Disbursement Approval for September, October and November, 2015**  
A Suggested Motion appears on the first page of Disbursements.

In the detailed Statement of Financial Position, Other Current Liabilities (210150) has been split and now lists Member Utility Rebate Payable (210151) and DNR Fund – CVEA KEA (210152). The rebate is payable in December 2015 and the DNR figure includes only the portion contributed by Copper Valley Electric Association and Kodiak Electric Association. The remaining "other" current liability appearing in the October financials (210150) represents FERC administrative and land use expenses being accrued, but not yet paid, as FERC's annual invoices are issued later in the year.

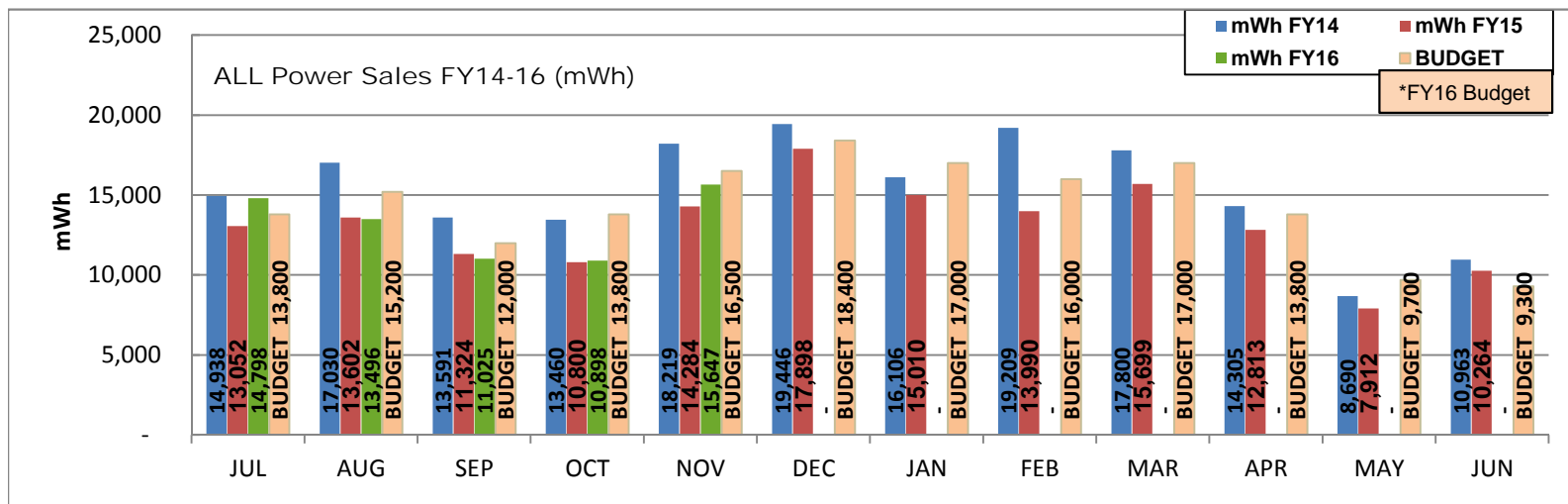
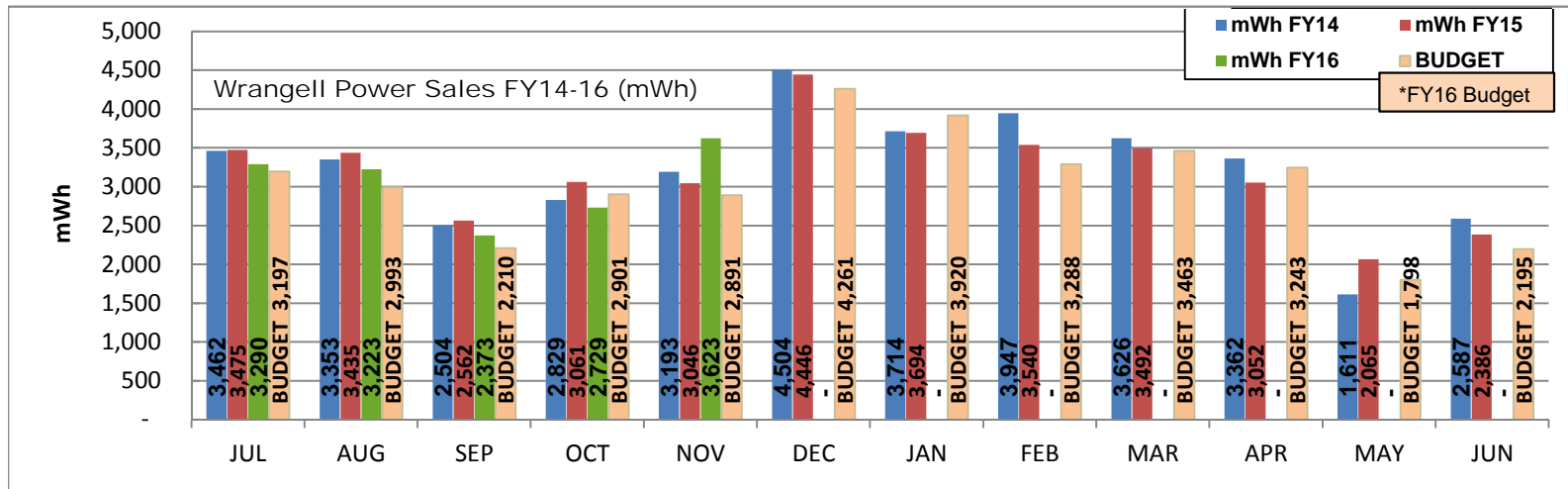
**SOUTHEAST ALASKA POWER AGENCY**  
**Power Sales - FY14 through FY16**

NOV 2015	FY16 kWh Hydropower Sales	Current Month		Year-To-Date	
		Actual	Budget	Actual	Budget
	Ketchikan Power Purchases	8,136,160	9,662,400	33,338,008	39,474,580
	Petersburg Power Purchases	3,887,576	3,946,800	17,287,659	17,633,120
	Wrangell Power Purchases	3,622,800	2,890,800	15,238,090	14,192,300
	<b>Total Power Purchases</b>	<b>15,646,536</b>	<b>16,500,000</b>	<b>65,863,757</b>	<b>71,300,000</b>



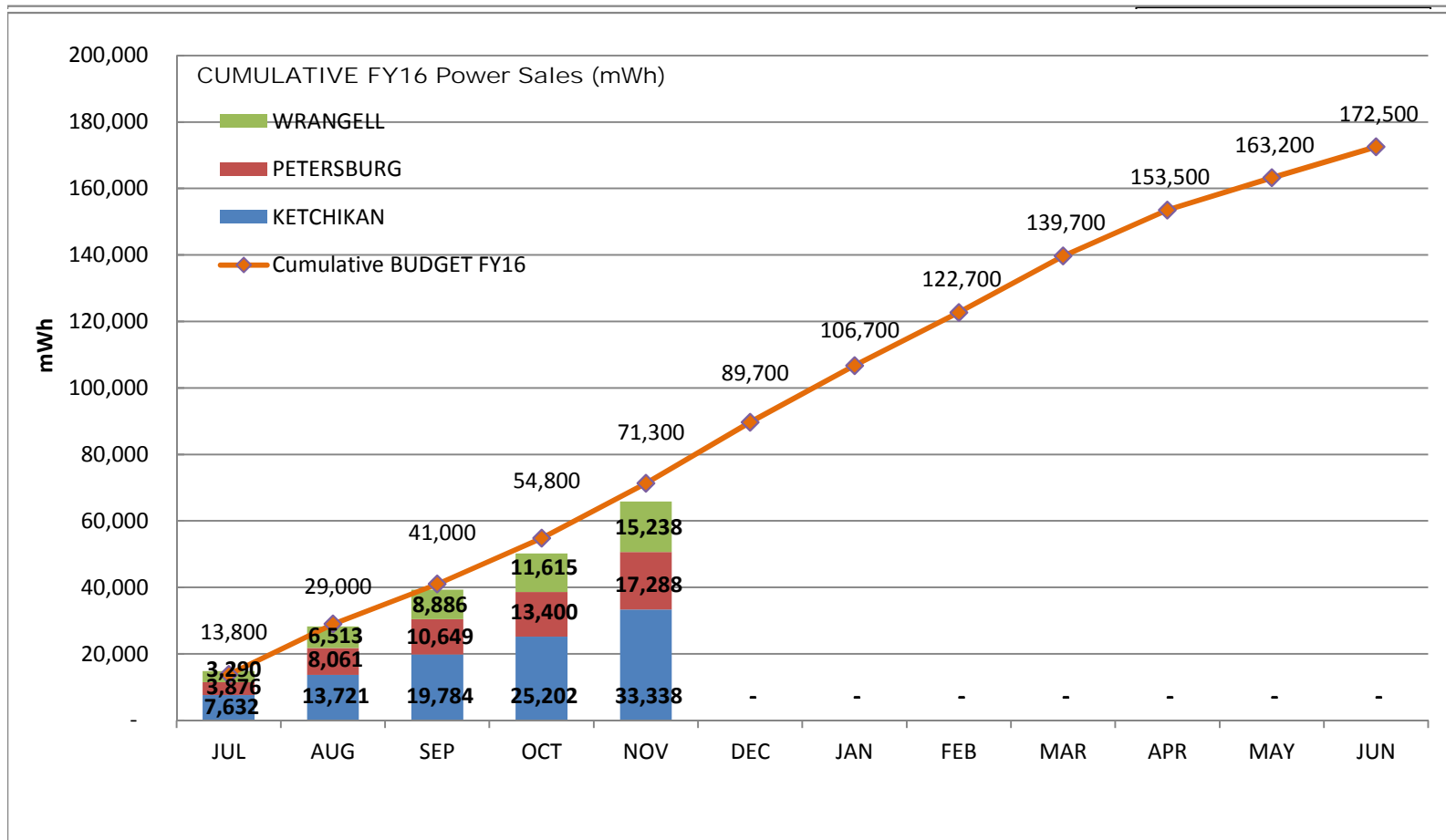
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**SOUTHEAST ALASKA POWER AGENCY**  
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**SOUTHEAST ALASKA POWER AGENCY**  
**FY15 GRANT SUMMARY**  
as of OCTOBER 31, 2015

<b>*FY13 Alaska Energy Authority Kake-Petersburg Intertie Grant #1</b>			
	Grant Award	Expenditures	Balance
1 - Project Mgmt	320,000	204,645	115,355
2 - EIS	1,030,000	973,440	56,560
3 - Engineering / Design	1,613,298	172,562	1,440,736
5 - SE Conference	26,702	26,702	(0)
<b>TOTAL</b>	<b>2,990,000</b>	<b>1,377,348</b>	<b>1,612,652</b>

\*\$704,052.15 expended by Kwaan Electric Transmission Intertie Coop. prior to grant assignment to SEAPA

<b>FY13 Alaska Energy Authority Kake-Petersburg Intertie Grant #2</b>			
	Grant Award	Expenditures	Balance
<b>TOTAL</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>

<b>FY13 Alaska Dept. of Commerce, Community &amp; Economic Development</b>			
	Grant Award	Expenditures	Balance
1 - Hydro Storage	578,000	578,000	0
2 - G&T Site Evaluation	1,705,000	1,268,315	436,685
3 - Stability / Interconnectivity	146,000	0	146,000
4 - Load Balance Model	112,000	98	111,902
5 - Project Mgmt	309,000	253,912	55,088
6 - Business Analysis / PSA	150,000	48,015	101,985
<b>TOTAL</b>	<b>3,000,000</b>	<b>2,148,341</b>	<b>851,659</b>

<b>FY15 Alaska Dept. of Commerce, Community &amp; Economic Development</b>			
	Grant Award	Expenditures	Balance
Swan Lake Reservoir Expansion			
<b>TOTAL</b>	<b>3,320,000</b>	<b>389,606</b>	<b>2,930,394</b>

<b>TOTAL ALL GRANTS</b>	<b>11,310,000</b>	<b>3,915,295</b>	<b>7,394,705</b>
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## OCTOBER 2015 Financial Overview

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OCTOBER, 2015 revenues from kWh sales were under budget:  
\$741,062 actual vs. \$938,401 budget.

- Ketchikan - \$368,382 actual vs. \$504,015 budget
- Petersburg - \$187,102 actual vs. \$237,134 budget
- Wrangell - \$185,577 actual vs. \$197,252 budget

Year-to-date (JULY – OCTOBER) revenues from kWh sales were below budget:  
\$3,414,771 actual vs. \$3,726,400 budget.

- Ketchikan - \$1,713,726 actual vs. \$2,027,228 budget
- Petersburg - \$911,206 actual vs. \$930,670 budget
- Wrangell - \$789,840 actual vs. \$768,502 budget

OCTOBER, 2015 sales in kWh – 10,897,967

OCTOBER, 2014 sales in kWh – 10,800,320

OCTOBER, 2013 sales in kWh – 13,459,570

Year-to-date (JULY – OCTOBER, 2015) sales in kWh – 50,217,221

Year-to-date (JULY – OCTOBER, 2014) sales in kWh – 48,778,020

Year-to-date (JULY – OCTOBER, 2013) sales in kWh – 59,019,010

Administrative and operating expenses for OCTOBER, 2015 were below budget:  
\$409,674 actual vs. \$536,535 budget

Year-to-date administrative and operating expenses (JULY – OCTOBER) were also below budget: \$1,918,733 actual vs. \$2,280,723 budget.

As always, feel free to ask any questions concerning the financials.

**AGENCY FUNDS**Operations, Capital and Insurance Funds

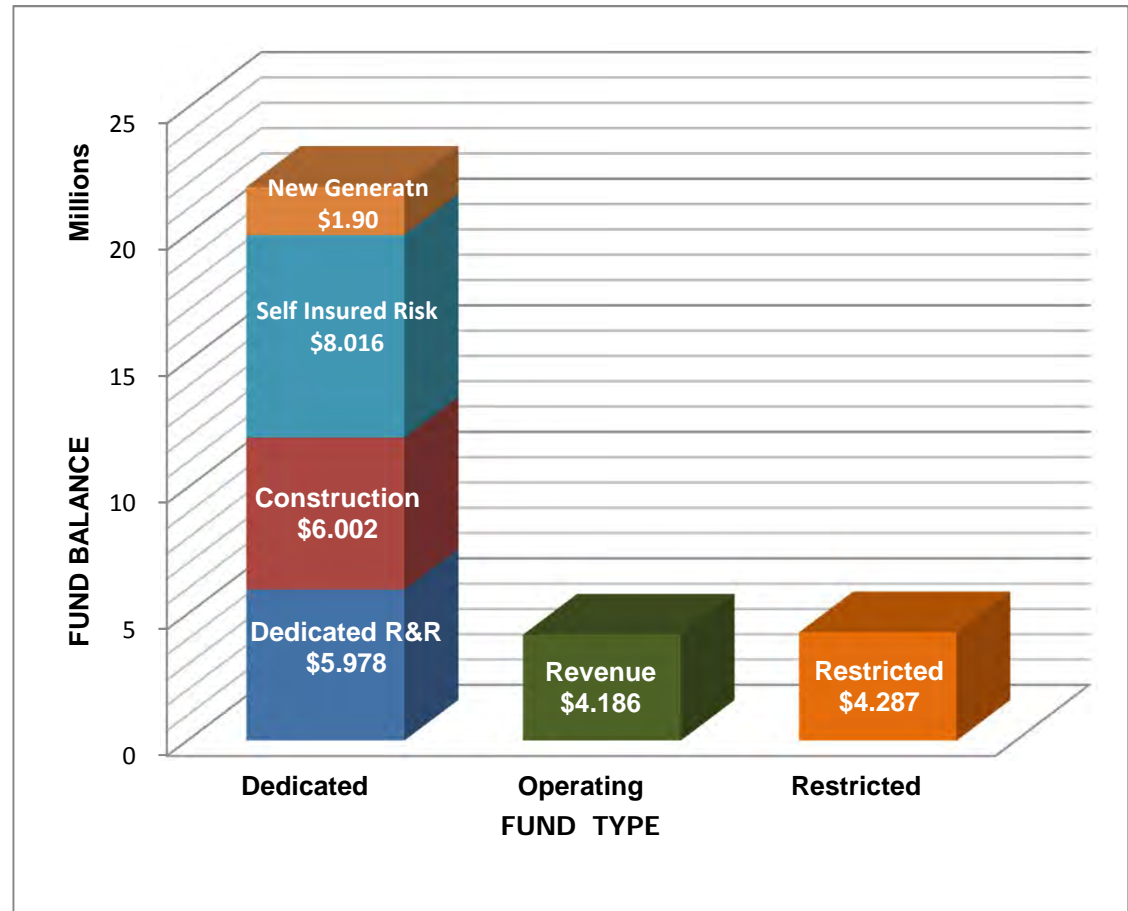
Revenue Fund FB	\$ 4,184,885
Required R&R Fund FB	1,001,427
Dedicated R&R Projects Fund FB	5,977,745
Construction Fund FB	6,001,796
Commercial FB	1,000
Subordinate Debt Fund FB	310
New Generation Fund	1,898,365
Self Insured Risk Fund FNBA	8,016,305
<b>Total Operations, Capital and Insurance Funds</b>	<b>27,081,833</b>

Trustee Funds

2009 Bond Interest	\$ 184,569
2009 Bond Principal	372,540
2009 Bond Reserve	1,410,098
2015 Bond Interest	231,429
2015 Bond Reserve	212,800
<b>Total Trustee Funds</b>	<b>2,411,435</b>

Other Restricted Funds

STI - USFS CD WF	\$ 21,622
DNR Reclamation Fund WF	852,265
<b>Total Other Restricted Funds</b>	<b>873,887</b>
<b>Total Agency Funds</b>	<b>\$ 30,367,155</b>

Dedicated Funds

New Generation = Project feasibility funding (hydro, wind, geothermal)

Self-Insured Risk = Coverage for uninsured transmission lines, submarine cables and insurance deductibles.

Construction Fund = 2015 bond proceeds dedicated to Swan Lake Reservoir Expansion project.

Dedicated R&R = Funds Replacement & Repair projects approved by the SEAPA Board in the FY15 budget.

Operating Funds

Revenue Fund & Commercial Checking: All SEAPA income is deposited to the Revenue Fund as required by Bond Indentures.

Restricted Funds (Legally or contractually restricted)

Bonds = All Trustee Funds: Bond Interest, Principal, Reserve and Escrow accounts

R&R = \$1,000,000 minimum balance required by bond indenture

DNR = Alaska DNR Reclamation Agreement

USFS = USFS Land Remediation Certificate of Deposit

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Summary**  
**As of October 31, 2015**

**ASSETS**

Current Assets	
Agency Funds	
111000 · Ops/Capital/Insurance Funds	27,081,833
112000 · Trustee Funds	2,411,435
113000 · Other Restricted Funds	873,887
Total Agency Funds	30,367,155
Accounts Receivable	
110000 · Accounts Receivable	1,024,775
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	314,328
Total Accounts Receivable	1,574,522
Other Current Assets	
120000 · Other Current Assets	1,435,532
Total Other Current Assets	1,435,532
Total Current Assets	33,377,209
Fixed Assets	
130000 · Fixed Assets	129,765,712
Total Fixed Assets	129,765,712
Other Assets	
183000 · Deferred Assets	481,102
Total Other Assets	481,102
<b>TOTAL ASSETS</b>	<b>163,624,023</b>

**LIABILITIES & NET POSITION**

Liabilities	
Current Liabilities	
Accounts Payable	
210100 · Accounts Payable General	743,582
Total Accounts Payable	743,582
Other Current Liabilities	
210150 · Other Current Liabilities	1,774,142
210300 · Reserve Interest Payable	372,777
210400 · Wages Payable	163,729
210500 · Payroll Liabilities	8,912
Total Other Current Liabilities	2,319,560
Total Current Liabilities	3,063,142
Long Term Liabilities	
220000 · Long Term Liabilities	19,626,324
Total Long Term Liabilities	19,626,324
Total Liabilities	22,689,466
Net Position	
310000 · Net Position	140,879,385
Net Income	55,172
Total Net Position	140,934,557
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b>163,624,023</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities Summary**  
October 2015

<b>Operating Income/Expense</b>	
<b>Operating Income</b>	
410000 · Hydro Facility Revenues	741,062
<b>Total Operating Income</b>	<b>741,062</b>
Gross Income	741,062
<b>Operating Expense</b>	
535000 · Hydro Ops-Suprvsn & Engineering	110
538000 · Electric Expenses	873
539000 · Misc Power Generation Expense	39,220
540000 · Rents	11,214
541000 · Hydro Power Station Maintenance	6,699
543000 · Dams, Reservoirs & Waterways	23,616
544000 · Maintenance of Electric Plant	97,525
545000 · Plant Miscellaneous Maintenance	3,737
561000 · Control System Maintenance	1,568
562000 · Trans/Operations Station Exp	1,399
571000 · Trans/Maint Overhead Lines(OHL)	29,622
920000 · Administrative Expenses	104,629
921000 · Office Expenses	16,761
922000 · Legislative Affairs	4,000
923000 · Contract Services	11,618
924000 · Insurance	39,572
928000 · Regulatory Commission Expense	7,089
930000 · General Expenses	4,197
931000 · Admin Rent	6,225
<b>Total Operating Expense</b>	<b>409,674</b>
<b>Net Operating Income</b>	<b>331,388</b>
<b>Non-Operating Income/Expense</b>	
Non-Operating Income	
941000 · Grant Income	232,717
942000 · Interest Income	47,421
944000 · Realized Gain/Loss	4,656
945000 · Unrealized Gain/Loss	(13,820)
946000 · Misc Nonoperating Income	-
<b>Total Non-Operating Income</b>	<b>270,974</b>
<b>Non-Operating Expense</b>	
952000 · Bond Interest 2009 Series	29,098
952001 · Bond Interest 2015 Series	41,280
953000 · Depreciation Expense	339,212
954000 · Grant Expenses	136,673
955000 · Interest Expense	(118,805)
<b>Total Non-Operating Expense</b>	<b>427,457</b>
<b>Net Non-Operating Income</b>	<b>(156,483)</b>
<b>Net Income</b>	<b>174,905</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of October 31, 2015**

**ASSETS**

**Current Assets**

Agency Funds

111000 · Ops/Capital/Insurance Funds	
111100 · Revenue Fund FB	4,184,885
111200 · Required R&R Fund FB	1,001,427
111210 · Dedicated R&R Projects Fund FB	5,977,745
111211 · Construction Fund FB	6,001,796
111300 · Commercial FB	1,000
111400 · Subordinate Debt Fund FB	310
111401 · New Generation Fund	1,898,365
111500 · Self Insured Risk Fund FNBA	8,016,305

Total 111000 · Ops/Capital/Insurance Funds	27,081,833
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112000 · Trustee Funds

112100 · WF Trust 2009 Bond Interest	184,569
112200 · WF Trust 2009 Bond Principal	372,540
112300 · WF Trust 2009 Bond Reserve	1,410,098
112501 · WF Trust 2015 Bond Interest	231,429
112503 · WF Trust 2015 Bond Reserve	212,800

Total 112000 · Trustee Funds	2,411,435
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113000 · Other Restricted Funds

113100 · STI - USFS CD WF	21,622
113500 · DNR Reclamation Fund WF	852,265

Total 113000 · Other Restricted Funds	873,887
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Total Agency Funds	30,367,155
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Accounts Receivable

110000 · Accounts Receivable	1,024,775
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	314,328

Total Accounts Receivable	1,574,522
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Other Current Assets

120000 · Other Current Assets

120200 · Other Receivables	4,606
120300 · Accrued Interest Receivable	36,412
120500 · Prepaid Fees	
120520 · Prepaid Insurance	356,147
120530 · Prepaid Operating Expense	17,871
120540 · Prepaid USDA FS Land Use Fees	13,309
120550 · Prepaid Admin Benefits	54,235

Total 120500 · Prepaid Fees	441,562
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120700 · Inventory Assets

120701 · Inventory - Wood Poles	8,143
120702 · Inventory - Marker Balls	54,404
1207031 · Inventory-SWL Winding Replacmnt	890,405

Total 120700 · Inventory Assets	952,952
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Total 120000 · Other Current Assets	1,435,532
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Total Other Current Assets	1,435,532
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<b>Total Current Assets</b>	<b>33,377,209</b>
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**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of October 31, 2015**

<b>Fixed Assets</b>	
130000 · Fixed Assets	
130100 · Capital Assets	
130110 · Swan Lake	16,428,278
130120 · Tyee Lake	27,566,918
130130 · SEAPA Office	733,897
132100 · Swan Tyee Intertie in Operation	111,578,874
Total 130100 · Capital Assets	156,307,967
132200 · R&R Projects WIP Capital Improv	
132210 · R&R Projects - WIP Swan Lake	
1322100 · R&R WIP SWL- Reservoir Increase	
1322101 · WIP SWL Agency Permits/Environm	735,707
1322103 · WIP SWL Equipment	2,261
1322104 · WIP SWL Engineering/Design	907,606
1322105 · WIP SWL Legal	36,672
1322106 · WIP SWL Project Mgmt/Professnal	130,241
Total 1322100 · R&R WIP SWL- Reservoir Increase	1,812,487
132210 · R&R Projects - WIP Swan Lake - Other	1,365,144
Total 132210 · R&R Projects - WIP Swan Lake	3,177,631
132220 · R&R Projects - WIP Tyee Lake	1,708,133
132230 · R&R Projects - WIP STI-Transmsn	1,624,351
132240 · R&R Projects - WIP SEAPA Office	53,787
Total 132200 · R&R Projects WIP Capital Improv	6,563,903
132900 · Accumulated Depreciation	(33,106,158)
Total 130000 · Fixed Assets	129,765,712
<b>Total Fixed Assets</b>	129,765,712
<b>Other Assets</b>	
183000 · Deferred Assets	
183001 · Long Term Receivable	242,499
183002 · Geothermal	71,785
183003 · 2009 Bond - Refunded Discount	163,426
183300 · Meterological Tower	3,392
Total 183000 · Deferred Assets	481,102
<b>Total Other Assets</b>	481,102
<b>TOTAL ASSETS</b>	<b>163,624,023</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
As of October 31, 2015

**LIABILITIES & EQUITY**

**Liabilities**

Current Liabilities

Accounts Payable

210100 · Accounts Payable General 743,582

Total Accounts Payable 743,582

Other Current Liabilities

210150 · Other Current Liabilities

210151 · Member Utility Rebate Payable 1,500,000

210152 · DNR Fund - CVEA KEA Portion 262,500

210150 · Other Current Liabilities - Other 11,642

Total 210150 · Other Current Liabilities 1,774,142

210300 · Reserve Interest Payable 372,777

210400 · Wages Payable 163,729

210500 · Payroll Liabilities

210522 · SUI Tax Payable 55

210531 · IBEW H&W Payable 5,145

210541 · IBEW Pension Payable 2,976

210550 · IBEW Dues Payable 736

Total 210500 · Payroll Liabilities 8,912

Total Other Current Liabilities 2,319,560

Total Current Liabilities 3,063,142

Long Term Liabilities

220000 · Long Term Liabilities

220100 · Series B Bonds 2009 7,905,000

220120 · 2009 Bond Issuance Discount (34,723)

220121 · PERS Unfunded Liability WRG 488,768

220130 · Series 2015 Bonds 10,295,000

220131 · 2015 Bond Issuance Premium 972,279

Total 220000 · Long Term Liabilities 19,626,324

Total Long Term Liabilities 19,626,324

**Total Liabilities** 22,689,466

**Net Position**

310000 · Net Position

3100001 · Net Investment Capital Assets 108,718,000

3100002 · Restricted for Debt Service 1,622,843

3100003 · Restricted by External Agreement 873,886

3100004 · Unrestricted 29,664,657

Total 310000 · Net Position 140,879,385

Net Income 55,172

**Total Net Position** 140,934,557

**TOTAL LIABILITIES & NET POSITION** 163,624,023

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**October 2015**

Operating Income/Expense

**Operating Income**

410000 · Hydro Facility Revenues

410100 · Ketchikan Power Purchases

410200 · Petersburg Power Purchases

410300 · Wrangell Power Purchases

Total 410000 · Hydro Facility Revenues

**Total Operating Income**

**Operating Expense**

535000 · Hydro Ops-Suprvsn & Engineering

535100 · Hyd/Ops Sup & Eng - Swan Lake

535150 · Hyd/Ops Sup & Eng - SWL SEAPA

535250 · Hyd/Ops Sup & Eng -TYL SEAPA

535400 · Hyd/Op Sup & Eng - Proj Drawing

Total 535000 · Hydro Ops-Suprvsn & Engineering

537000 · Hydraulic Expenses

537150 · Hydraulic Expense - SWL SEAPA

537250 · Hydraulic Expense - TYL SEAPA

Total 537000 · Hydraulic Expenses

538000 · Electric Expenses

538100 · Electric Expense - Swan Lake

538150 · Electric Expense - SWL SEAPA

538200 · Electric Expense - Tyee Lake

538250 · Electric Expense - TYL SEAPA

Total 538000 · Electric Expenses

539000 · Misc Power Generation Expense

539100 · Misc Exp - Swan Lake

539150 · Misc Expense - SWL SEAPA

539200 · Misc Expense - Tyee Lake

539250 · Misc Expense - TYL SEAPA

Total 539000 · Misc Power Generation Expense

540000 · Rents

540300 · FERC Land Use Fee - Swan Lake

540400 · FERC Land Use Fee - Tyee Lake

540500 · USDA Land Use Fee - USFS ROW

540600 · USDA Land Use Fee - STI

540700 · USDA Tyee Passive Reflector

540710 · USDA Etolin Burnett Radio

Total 540000 · Rents

541000 · Hydro Power Station Maintenance

541100 · Maintenance - Swan Lake

541150 · Maintenance - SWL SEAPA

541200 · Maintenance - Tyee Lake

541250 · Maintenance - TYL SEAPA

Total 541000 · Hydro Power Station Maintenance

543000 · Dams, Reservoirs & Waterways

543150 · Dams Res & Waterwys - SWL SEAPA

543200 · Dams Res & Waterwys - Tyee Lake

543250 · Dams Res & Waterwys - TYL SEAPA

Total 543000 · Dams, Reservoirs & Waterways

OCT 2015	Budget	Jul-Oct '15	YTD Budget	Annual Budget
368,382	504,015	1,713,726	2,027,228	6,415,704
187,102	237,134	911,206	930,670	2,841,746
185,577	197,252	789,840	768,502	2,472,550
741,062	938,401	3,414,771	3,726,400	11,730,000
741,062	938,401	3,414,771	3,726,400	11,730,000
-	2,200	2,276	9,400	28,480
110	5,000	959	9,470	10,350
-	20,000	519	24,000	84,000
-	5,750	16,401	21,750	96,750
110	32,950	20,155	64,620	219,580
-	-	-	-	4,000
-	-	-	-	4,000
-	-	-	-	8,000
663	2,000	6,185	8,000	24,500
105	10,000	31,435	28,000	89,200
104	1,500	13,371	6,000	18,000
-	5,500	870	21,000	65,000
873	19,000	51,860	63,000	196,700
7,980	8,000	37,950	32,000	96,690
1,148	7,000	27,012	26,000	82,000
22,157	10,000	36,708	30,000	97,000
7,935	17,000	53,395	66,858	202,858
39,220	42,000	155,064	154,858	478,548
1,090	1,050	3,763	4,100	12,500
3,470	3,440	13,241	13,480	41,000
1,600	1,730	6,401	6,910	20,750
4,901	5,000	19,606	20,000	60,000
107	125	430	500	1,500
45	50	181	225	625
11,214	11,395	43,622	45,215	136,375
-	2,000	4,511	7,000	20,500
3,882	3,000	8,804	11,000	32,500
2,817	1,500	6,720	5,500	19,000
-	7,500	2,221	15,000	59,500
6,699	14,000	22,257	38,500	131,500
22,191	-	23,126	5,000	25,000
-	1,000	260	4,000	6,500
1,425	3,000	25,782	34,000	49,700
23,616	4,000	49,167	43,000	81,200

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**October 2015**

	OCT 2015	Budget	Jul-Oct '15	YTD Budget	Annual Budget
544000 · Maintenance of Electric Plant					
544100 · Maint Electric Plant-Swan Lake	49,046	50,000	200,400	195,000	589,715
5442900 · TYL Plant Wages & Benefits					
5442911 · TYL Plant Wages/PTO	31,242	30,000	113,758	115,000	374,000
5442912 · TYL Plant Wages OT	3,895	3,000	9,446	6,750	35,000
5442920 · TYL Plant Benefit - Taxes	2,598	2,650	7,798	10,500	33,300
5442930 · TYL Plant Benefits - Insurance	6,718	6,000	23,513	22,200	69,000
5442940 · TYL Plant Benefits - Retirement	4,026	5,000	14,493	16,800	54,700
Total 5442900 · TYL Plant Wages & Benefits	48,479	46,650	169,008	171,250	566,000
Total 544000 · Maintenance of Electric Plant	97,525	96,650	369,408	366,250	1,155,715
545000 · Plant Miscellaneous Maintenance					
545100 · Plant Misc Maint - Swan Lake	3,614	1,000	10,795	8,000	29,500
545150 · Plant Misc Maint - SWL SEAPA	-	5,000	6,890	10,000	20,000
545200 · Plant Misc Maint - Tyee Lake	123	2,000	6,119	8,500	24,500
Total 545000 · Plant Miscellaneous Maintenance	3,737	8,000	23,803	26,500	74,000
561000 · Control System Maintenance					
561150 · Control System Maint. - SWL	784	750	10,392	1,500	7,500
561250 · Control System Maint. - TYL	784	750	10,548	1,500	7,500
Total 561000 · Control System Maintenance	1,568	1,500	20,940	3,000	15,000
562000 · Trans/Operations Station Exp					
562100 · Trans/Ops Station - Swan Lake	-	500	-	2,000	15,000
562200 · Trans/Ops Station - Tyee Lake	1,362	1,200	4,414	4,100	14,200
562250 · Trans/Ops Station-TYL SEAPA	37	5,000	37	20,000	156,500
Total 562000 · Trans/Operations Station Exp	1,399	6,700	4,451	26,100	185,700
564000 · Trans/Submarine Cable Expense					
564200 · Trans/Sub Cable Exp - Tyee Lake	-	-	-	-	2,000
Total 564000 · Trans/Submarine Cable Expense	-	-	-	-	2,000
571000 · Trans/Maint Overhead Lines(OHL)					
571100 · Trans/Maint OHL - Swan Lake	-	5,000	3,160	14,000	50,000
571150 · Trans/Maint OHL - SWL SEAPA	-	3,500	6,575	14,000	198,630
571151 · Trans/Maint OHL - SWL ROW Clear	-	-	203,444	250,000	250,000
571200 · Trans/Maint OHL - Tyee Lake	1,776	2,000	28,688	24,000	54,250
571250 · Trans/Maint OHL - TYL SEAPA	9,359	5,000	19,628	20,000	298,880
5712900 · TYL Brushing Wages & Benefits					
5712911 · TYL Brushing Wages/PTO	12,094	11,000	40,986	41,000	137,000
5712912 · TYL Brushing Wages OT	192	1,500	1,958	4,000	13,000
5712920 · TYL Brushing Benefit - Taxes	889	1,000	2,721	3,750	13,100
5712930 · TYL Brushing Benefit- Insurance	3,359	2,750	11,757	10,250	34,200
5712940 · TYL Brushing Benefit- Retirement	1,953	2,000	6,853	7,500	26,700
5712992 · TYL Brush Grant-Capital Payroll	-	-	(4,133)	-	-
5712900 · TYL Brushing Wages & Benefits - O	-	-	-	-	-
Total 5712900 · TYL Brushing Wages & Benefits	18,487	18,250	60,141	66,500	224,000
571300 · Trans/Maint OHL STI Maintenance	-	5,000	350	31,500	314,150
571500 · Trans/Maint OHL STI Therml Scan	-	-	2,113	2,000	2,000
571800 · Trans/Maint OHL System Events	-	10,000	-	20,000	100,000
Total 571000 · Trans/Maint Overhead Lines(OHL)	29,622	48,750	324,099	442,000	1,491,910

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**October 2015**

	OCT 2015	Budget	Jul-Oct '15	YTD Budget	Annual Budget
920000 · Admin Wages & Benefits					
9201911 · Admin Wages/PTO	64,705	72,000	246,415	254,000	863,500
9201912 · Admin Wages - Overtime	-	140	203	380	1,500
9201920 · Admin Benefit - Taxes	3,447	5,000	17,198	19,800	61,000
9201930 · Admin Benefit - H&W Insurance	15,833	15,000	54,500	55,000	182,000
9201940 · Admin Benefit - Retirement	20,781	21,400	73,711	76,200	260,100
9201992 · Admin Grant Payroll	(136)		(1,008)		
Total 920000 · Admin Wages & Benefits	104,629	113,540	391,019	405,380	1,368,100
921000 · Office Expenses					
921100 · Office Supplies	908	1,250	7,801	5,000	15,000
921200 · Office Equipment	975	3,000	53,043	47,000	72,100
921300 · Phone, Courier, Internet	8,851	7,400	28,957	29,600	88,960
921400 · System Network / IT Support	5,938	4,000	12,577	16,000	48,000
921600 · Vehicle Expenses	88	300	538	1,100	3,500
Total 921000 · Office Expenses	16,761	15,950	102,916	98,700	227,560
922000 · Legislative Affairs	4,000	6,000	16,370	22,000	65,000
923000 · Contract Services					
923200 · Annual Financial Audit	-	-	-	-	29,500
923300 · Bank & Trustee Fees	444	400	1,196	1,150	16,150
923400 · Insurance Consultant	1,854	-	2,868	2,500	7,500
923500 · Investment Consultant	1,663	3,000	6,647	11,000	27,000
923600 · Legal Fees	7,657	15,000	61,295	60,000	180,000
923700 · Recruitment	-	2,000	-	6,000	22,000
923800 · Other Professional Services	-	18,000	11,639	51,000	203,000
Total 923000 · Contract Services	11,618	38,400	83,646	131,650	485,150
924000 · Insurance	39,572	46,800	160,552	182,500	556,900
926000 · Retiree Benefits					
926250 · Retiree Benefits TYL-PERS	-	-	-	40,000	40,000
Total 926000 · Retiree Benefits	-	-	-	40,000	40,000
928000 · Regulatory Commission Expense					
928001 · Other Regulatory Expense	-	4,000	71	12,000	39,650
928150 · FERC SWL Admin Fees	3,742	3,000	10,064	15,000	40,000
928151 · FERC SWL Other Expenses	7	2,000	3,894	8,500	25,700
928250 · FERC TYL Admin Fees	3,340	3,000	10,278	12,000	37,000
928251 · FERC TYL Other Expenses	-	300	1,440	1,200	3,800
Total 928000 · Regulatory Commission Expense	7,089	12,300	25,747	48,700	146,150
930000 · General Expenses					
930100 · Advertising Expense	67	400	407	1,650	5,000
930110 · Public Relations	-	1,500	8,395	10,500	27,500
930111 · PR - SEAPA History Project	-	1,500	-	2,000	15,000
930300 · Association Dues Expense	-	-	660	1,000	32,330
930310 · Professional Assn Dues	-	-	254	300	750
930400 · Board Meeting Expenses	-	3,000	3,740	14,000	45,000
930500 · Training Expense	1,358	2,000	7,499	8,000	28,700
930600 · Travel Expense	2,339	3,500	6,256	14,500	43,000
930700 · Non-Travel Incidental	432	250	770	1,000	3,000
Total 930000 · General Expenses	4,197	12,150	27,981	52,950	200,280
931000 · Admin Rent					
931010 · Office Rent	4,472	4,500	18,598	18,000	59,560
931100 · Apartment Rent - Ketchikan	1,753	1,950	7,079	7,800	23,400
Total 931000 · Admin Rent	6,225	6,450	25,677	25,800	82,960
<b>Total Operating Expense</b>	<b>409,674</b>	<b>536,535</b>	<b>1,918,733</b>	<b>2,280,723</b>	<b>7,348,328</b>
<b>Net Operating Income</b>	<b>331,388</b>	<b>401,866</b>	<b>1,496,038</b>	<b>1,445,677</b>	<b>4,381,672</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
October 2015

	OCT 2015	Budget	Jul-Oct '15	YTD Budget	Annual Budget
<b>Nonoperating Income/Expense</b>					
<b>Nonoperating Income</b>					
941000 · Grant Income	232,717		326,893		
942000 · Interest Income					
942100 · Misc Interest Income	984		3,650		
942200 · Investment Interest Income	46,436		60,638		
942000 · Interest Income - Other	-		491		
Total 942000 · Interest Income	47,421		64,779		
944000 · Realized Gain/Loss					
944200 · Realized Gain/Loss on Invest	4,656		(23,657)		
Total 944000 · Realized Gain/Loss	4,656		(23,657)		
945000 · Unrealized Gain/Loss					
945200 · Unrealized Gain/Loss Investment	(13,820)		10,796		
Total 945000 · Unrealized Gain/Loss	(13,820)		10,796		
<b>Total Nonoperating Income</b>	270,974		378,810		
<b>Nonoperating Expense</b>					
952000 · Bond Interest 2009 Series	29,098		120,635		
952001 · Bond Interest 2015 Series	41,280		166,371		
953000 · Depreciation Expense	339,212		1,356,847		
954000 · Grant Expenses					
954002 · Grant Contractual	136,105		438,420		
954004 · Grant Labor & Benefits	136		5,141		
954005 · Grant Legal	-		13,207		
954006 · Grant Materials & Supplies	-		74		
954007 · Grant Other Expense	227		2,101		
954008 · Grant Travel	205		26,814		
Total 954000 · Grant Expenses	136,673		485,756		
954100 · Contributed Capital	(118,805)		(319,453)		
955000 · Interest Expense					
955200 · Investment Interest Expense	-		9,521		
Total 955000 · Interest Expense	-		9,521		
<b>Total Nonoperating Expense</b>	427,457		1,819,676		
<b>Net Nonoperating Income</b>	(156,483)		(1,440,866)		
<b>Net Income</b>	174,905	401,866	55,172	1,445,677	4,381,672



## SEPTEMBER 2015 Financial Overview

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SEPTEMBER, 2015 revenues from kWh sales were under budget:  
\$749,671 actual vs. \$816,000 budget.

- Ketchikan - \$412,348 actual vs. \$468,221 budget
- Petersburg - \$175,942 actual vs. \$197,472 budget
- Wrangell - \$161,381 actual vs. \$150,307 budget

Year-to-date (JULY – SEPTEMBER) revenues from kWh sales were below budget:  
\$2,673,709 actual vs. \$2,490,999 budget.

- Ketchikan - \$1,345,344 actual vs. \$1,523,213 budget
- Petersburg - \$724,103 actual vs. \$693,536 budget
- Wrangell - \$604,262 actual vs. \$571,250 budget

SEPTEMBER, 2015 sales in kWh 11,024,569

SEPTEMBER, 2014 sales in kWh 11,323,960

SEPTEMBER, 2013 sales in kWh 13,591,220

Year-to-date (JULY – SEPTEMBER, 2015) sales in kWh 39,319,254

Year-to-date (JULY – SEPTEMBER, 2014) sales in kWh 37,977,700

Year-to-date (JULY – SEPTEMBER, 2013) sales in kWh 45,559,440

Administrative and operating expenses for SEPTEMBER, 2015 were below budget:  
\$489,742 actual vs. \$592,935 budget

Year-to-date administrative and operating expenses (JULY – SEPTEMBER) were also below budget: \$1,509,059 actual vs. \$1,744,188 budget.

As always, feel free to ask any questions concerning the financials.

**AGENCY FUNDS**

Operations, Capital and Insurance Funds

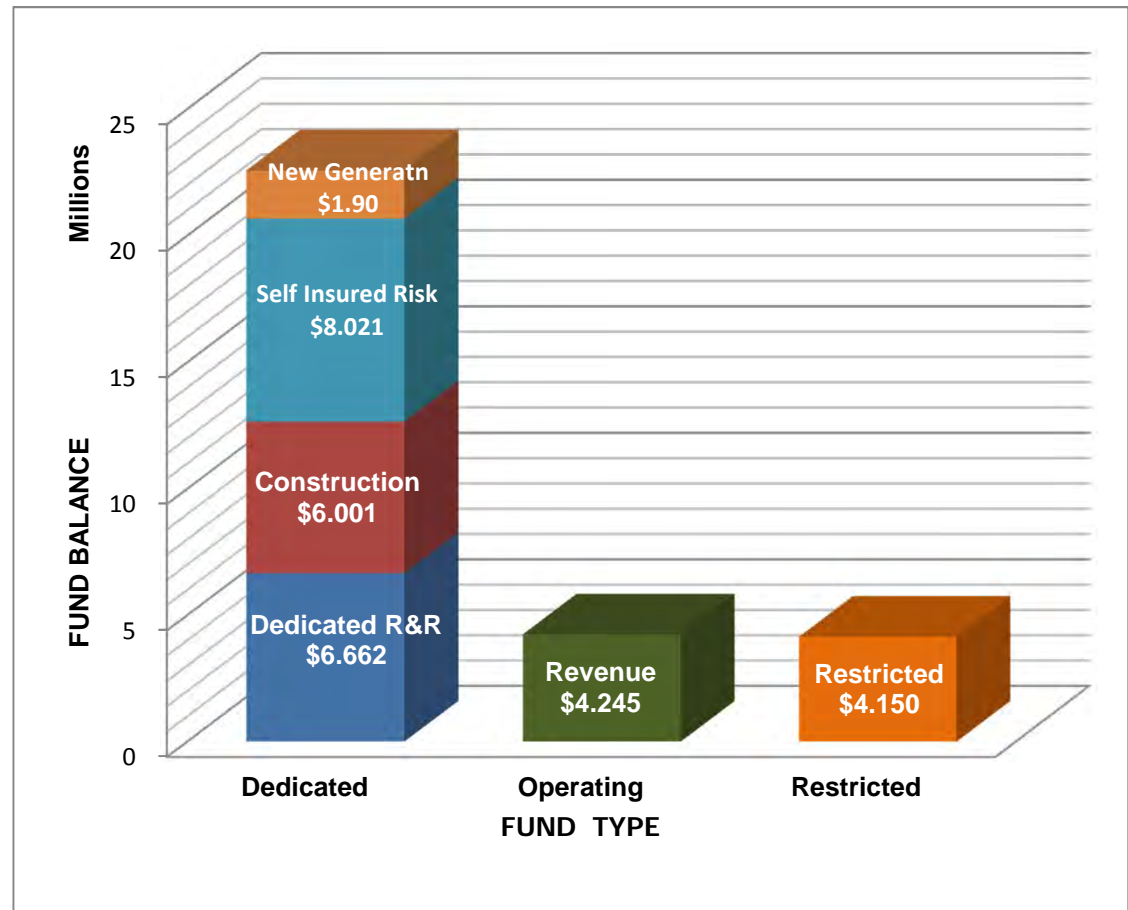
Revenue Fund FB	\$ 4,243,591
Required R&R Fund FB	1,001,375
Dedicated R&R Projects Fund FB	6,661,687
Construction Fund FB	6,001,485
Commercial FB	1,000
Subordinate Debt Fund FB	310
New Generation Fund	1,898,345
Self Insured Risk Fund FNBA	8,021,052
<b>Total Operations, Capital and Insurance Funds</b>	<b>27,828,844</b>

Trustee Funds

2009 Bond Interest	\$ 155,947
2009 Bond Principal	310,458
2009 Bond Reserve	1,410,098
2015 Bond Interest	185,142
2015 Bond Reserve	212,798
<b>Total Trustee Funds</b>	<b>2,274,443</b>

Other Restricted Funds

STI - USFS CD WF	\$ 21,621
DNR Reclamation Fund WF	852,265
<b>Total Other Restricted Funds</b>	<b>873,886</b>
<b>Total Agency Funds</b>	<b>\$ 30,977,173</b>



Dedicated Funds

New Generation = Project feasibility funding (hydro, wind, geothermal)

Self-Insured Risk = Coverage for uninsured transmission lines, submarine cables and insurance deductibles.

Construction Fund = 2015 bond proceeds dedicated to Swan Lake Reservoir Expansion project.

Dedicated R&R = Funds Replacement & Repair projects approved by the SEAPA Board in the FY15 budget.

Operating Funds

Revenue Fund & Commercial Checking: All SEAPA income is deposited to the Revenue Fund as required by Bond Indentures.

Restricted Funds (Legally or contractually restricted)

Bonds = All Trustee Funds: Bond Interest, Principal, Reserve and Escrow accounts

R&R = \$1,000,000 minimum balance required by bond indenture

DNR = Alaska DNR Reclamation Agreement

USFS = USFS Land Remediation Certificate of Deposit

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Summary**  
**As of September 30, 2015**

**ASSETS**

Current Assets	
Agency Funds	
111000 · Ops/Capital/Insurance Funds	27,828,844
112000 · Trustee Funds	2,274,443
113000 · Other Restricted Funds	873,886
Total Agency Funds	<u>30,977,173</u>
Accounts Receivable	
110000 · Accounts Receivable	1,033,523
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	140,807
Total Accounts Receivable	<u>1,409,751</u>
Other Current Assets	
120000 · Other Current Assets	1,441,508
Total Other Current Assets	<u>1,441,508</u>
Total Current Assets	<u>33,828,432</u>
Fixed Assets	
130000 · Fixed Assets	129,667,974
Total Fixed Assets	<u>129,667,974</u>
Other Assets	
183000 · Deferred Assets	481,024
Total Other Assets	<u>481,024</u>
<b>TOTAL ASSETS</b>	<b><u>163,977,429</u></b>

**LIABILITIES & NET POSITION**

Liabilities	
Current Liabilities	
Accounts Payable	
210100 · Accounts Payable General	1,350,111
Total Accounts Payable	<u>1,350,111</u>
Other Current Liabilities	
210150 · Other Current Liabilities	1,762,500
210300 · Reserve Interest Payable	297,871
210400 · Wages Payable	166,746
210500 · Payroll Liabilities	9,697
Total Other Current Liabilities	<u>2,236,814</u>
Total Current Liabilities	<u>3,586,925</u>
Long Term Liabilities	
220000 · Long Term Liabilities	19,630,852
Total Long Term Liabilities	<u>19,630,852</u>
Total Liabilities	<u>23,217,777</u>
Net Position	
310000 · Net Position	140,879,385
Net Income	(119,733)
Total Net Position	<u>140,759,652</u>
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b><u>163,977,429</u></b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities Summary**  
September 2015

<b>Operating Income/Expense</b>	
<b>Operating Income</b>	
410000 · Hydro Facility Revenues	749,671
<b>Total Operating Income</b>	<u>749,671</u>
Gross Income	749,671
<b>Operating Expense</b>	
535000 · Hydro Ops-Suprvsn & Engineering	17,047
538000 · Electric Expenses	33,033
539000 · Misc Power Generation Expense	34,476
540000 · Rents	10,803
541000 · Hydro Power Station Maintenance	8,212
544000 · Maintenance of Electric Plant	103,029
545000 · Plant Miscellaneous Maintenance	2,846
561000 · Control System Maintenance	8,235
562000 · Trans/Operations Station Exp	665
571000 · Trans/Maint Overhead Lines(OHL)	35,169
920000 · Administrative Expenses	113,524
921000 · Office Expenses	34,467
922000 · Legislative Affairs	4,000
923000 · Contract Services	25,133
924000 · Insurance	39,572
928000 · Regulatory Commission Expense	6,657
930000 · General Expenses	6,104
931000 · Admin Rent	6,769
<b>Total Operating Expense</b>	<u>489,742</u>
<b>Net Operating Income</b>	<u>259,929</u>
<b>Non-Operating Income/Expense</b>	
Non-Operating Income	
941000 · Grant Income	102,490
942000 · Interest Income	7,856
944000 · Realized Gain/Loss	(9,325)
945000 · Unrealized Gain/Loss	77,551
<b>Total Non-Operating Income</b>	<u>178,571</u>
<b>Non-Operating Expense</b>	
952000 · Bond Interest 2009 Series	30,512
952001 · Bond Interest 2015 Series	41,697
953000 · Depreciation Expense	339,212
954000 · Grant Expenses	158,035
955000 · Interest Expense	(124,670)
<b>Total Non-Operating Expense</b>	<u>444,786</u>
<b>Net Non-Operating Income</b>	<u>(266,215)</u>
<b>Net Income</b>	<u><u>(6,287)</u></u>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of September 30, 2015**

**ASSETS**

**Current Assets**

Agency Funds

111000 · Ops/Capital/Insurance Funds	
111100 · Revenue Fund FB	4,243,591
111200 · Required R&R Fund FB	1,001,375
111210 · Dedicated R&R Projects Fund FB	6,661,687
111211 · Construction Fund FB	6,001,485
111300 · Commercial FB	1,000
111400 · Subordinate Debt Fund FB	310
111401 · New Generation Fund	1,898,345
111500 · Self Insured Risk Fund FNBA	8,021,052

Total 111000 · Ops/Capital/Insurance Funds	27,828,844
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112000 · Trustee Funds

112100 · WF Trust 2009 Bond Interest	155,947
112200 · WF Trust 2009 Bond Principal	310,458
112300 · WF Trust 2009 Bond Reserve	1,410,098
112501 · WF Trust 2015 Bond Interest	185,142
112503 · WF Trust 2015 Bond Reserve	212,798

Total 112000 · Trustee Funds	2,274,443
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113000 · Other Restricted Funds

113100 · STI - USFS CD WF	21,621
113500 · DNR Reclamation Fund WF	852,265

Total 113000 · Other Restricted Funds	873,886
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Total Agency Funds	30,977,173
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Accounts Receivable

110000 · Accounts Receivable	1,033,523
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	140,807

Total Accounts Receivable	1,409,751
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Other Current Assets

120000 · Other Current Assets

120200 · Other Receivables	4,606
120300 · Accrued Interest Receivable	(5,373)
120500 · Prepaid Fees	
120520 · Prepaid Insurance	395,719
120530 · Prepaid Operating Expense	1,125
120540 · Prepaid USDA FS Land Use Fees	19,963
120550 · Prepaid Admin Benefits	72,517

Total 120500 · Prepaid Fees	489,324
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120700 · Inventory Assets

120701 · Inventory - Wood Poles	8,143
120702 · Inventory - Marker Balls	54,404
1207031 · Inventory-SWL Winding Replacmnt	890,405

Total 120700 · Inventory Assets	952,952
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Total 120000 · Other Current Assets	1,441,508
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Total Other Current Assets	1,441,508
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<b>Total Current Assets</b>	<b>33,828,432</b>
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**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of September 30, 2015**

<b>Fixed Assets</b>	
130000 · Fixed Assets	
130100 · Capital Assets	
130110 · Swan Lake	16,428,278
130120 · Tyee Lake	27,566,918
130130 · SEAPA Office	733,897
132100 · Swan Tyee Intertie in Operation	111,578,874
Total 130100 · Capital Assets	156,307,967
132200 · R&R Projects WIP Capital Improv	
132210 · R&R Projects - WIP Swan Lake	
1322100 · R&R WIP SWL- Reservoir Increase	
1322101 · WIP SWL Agency Permits/Environm	733,576
1322103 · WIP SWL Equipment	2,261
1322104 · WIP SWL Engineering/Design	790,932
1322105 · WIP SWL Legal	36,672
1322106 · WIP SWL Project Mgmt/Professnal	130,241
Total 1322100 · R&R WIP SWL- Reservoir Increase	1,693,681
132210 · R&R Projects - WIP Swan Lake - Other	1,349,714
Total 132210 · R&R Projects - WIP Swan Lake	3,043,396
132220 · R&R Projects - WIP Tyee Lake	1,413,497
132230 · R&R Projects - WIP STI-Transmsn	1,619,543
132240 · R&R Projects - WIP SEAPA Office	50,518
Total 132200 · R&R Projects WIP Capital Improv	6,126,953
132900 · Accumulated Depreciation	(32,766,947)
Total 130000 · Fixed Assets	129,667,974
<b>Total Fixed Assets</b>	129,667,974
<b>Other Assets</b>	
183000 · Deferred Assets	
183001 · Long Term Receivable	242,499
183002 · Geothermal	71,785
183003 · 2009 Bond - Refunded Discount	163,426
183300 · Meterological Tower	3,314
Total 183000 · Deferred Assets	481,024
<b>Total Other Assets</b>	481,024
<b>TOTAL ASSETS</b>	<b>163,977,429</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
As of September 30, 2015

**LIABILITIES & EQUITY**

**Liabilities**

Current Liabilities

Accounts Payable

210100 · Accounts Payable General 1,350,111

Total Accounts Payable 1,350,111

Other Current Liabilities

210150 · Other Current Liabilities

210151 · Member Utility Rebate Payable 1,500,000

210152 · DNR Fund - CVEA KEA Portion 262,500

Total 210150 · Other Current Liabilities 1,762,500

210300 · Reserve Interest Payable 297,871

210400 · Wages Payable 166,746

210500 · Payroll Liabilities

210522 · SUI Tax Payable 668

210531 · IBEW H&W Payable 5,145

210541 · IBEW Pension Payable 3,124

210550 · IBEW Dues Payable 760

Total 210500 · Payroll Liabilities 9,697

Total Other Current Liabilities 2,236,814

Total Current Liabilities 3,586,925

Long Term Liabilities

220000 · Long Term Liabilities

220100 · Series B Bonds 2009 7,905,000

220120 · 2009 Bond Issuance Discount (35,200)

220121 · PERS Unfunded Liability WRG 488,768

220130 · Series 2015 Bonds 10,295,000

220131 · 2015 Bond Issuance Premium 977,285

Total 220000 · Long Term Liabilities 19,630,852

Total Long Term Liabilities 19,630,852

**Total Liabilities 23,217,777**

**Net Position**

310000 · Net Position

3100001 · Net Investment Capital Assets 108,718,000

3100002 · Restricted for Debt Service 1,622,843

3100003 · Restricted by External Agreement 873,886

3100004 · Unrestricted 29,664,657

Total 310000 · Net Position 140,879,385

Net Income (119,733)

**Total Net Position 140,759,652**

**TOTAL LIABILITIES & NET POSITION 163,977,429**

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**September 2015**

Operating Income/Expense

**Operating Income**

410000 · Hydro Facility Revenues

410100 · Ketchikan Power Purchases

410200 · Petersburg Power Purchases

410300 · Wrangell Power Purchases

Total 410000 · Hydro Facility Revenues

**Total Operating Income**

**Operating Expense**

535000 · Hydro Ops-Suprvsn & Engineering

535100 · Hyd/Ops Sup & Eng - Swan Lake

535150 · Hyd/Ops Sup & Eng - SWL SEAPA

535250 · Hyd/Ops Sup & Eng -TYL SEAPA

535400 · Hyd/Op Sup & Eng - Proj Drawing

Total 535000 · Hydro Ops-Suprvsn & Engineering

537000 · Hydraulic Expenses

537150 · Hydraulic Expense - SWL SEAPA

537250 · Hydraulic Expense - TYL SEAPA

Total 537000 · Hydraulic Expenses

538000 · Electric Expenses

538100 · Electric Expense - Swan Lake

538150 · Electric Expense - SWL SEAPA

538200 · Electric Expense - Tyee Lake

538250 · Electric Expense - TYL SEAPA

Total 538000 · Electric Expenses

539000 · Misc Power Generation Expense

539100 · Misc Exp - Swan Lake

539150 · Misc Expense - SWL SEAPA

539200 · Misc Expense - Tyee Lake

539250 · Misc Expense - TYL SEAPA

Total 539000 · Misc Power Generation Expense

540000 · Rents

540300 · FERC Land Use Fee - Swan Lake

540400 · FERC Land Use Fee - Tyee Lake

540500 · USDA Land Use Fee - USFS ROW

540600 · USDA Land Use Fee - STI

540700 · USDA Tyee Passive Reflector

540710 · USDA Etolin Burnett Radio

Total 540000 · Rents

541000 · Hydro Power Station Maintenance

541100 · Maintenance - Swan Lake

541150 · Maintenance - SWL SEAPA

541200 · Maintenance - Tyee Lake

541250 · Maintenance - TYL SEAPA

Total 541000 · Hydro Power Station Maintenance

543000 · Dams, Reservoirs & Waterways

543150 · Dams Res & Waterwys - SWL SEAPA

543200 · Dams Res & Waterwys - Tyee Lake

543250 · Dams Res & Waterwys - TYL SEAPA

Total 543000 · Dams, Reservoirs & Waterways

SEP 2015	Budget	Jul-Sep '15	YTD Budget	Annual Budget
412,348	468,221	1,345,344	1,523,213	6,415,704
175,942	197,472	724,103	693,536	2,841,746
161,381	150,307	604,262	571,250	2,472,550
749,671	816,000	2,673,709	2,787,999	11,730,000
749,671	816,000	2,673,709	2,787,999	11,730,000
536	2,400	2,276	7,200	28,480
110	3,470	849	4,470	10,350
-	3,000	519	4,000	84,000
16,401	14,000	16,401	16,000	96,750
17,047	22,870	20,045	31,670	219,580
-	-	-	-	4,000
-	-	-	-	4,000
-	-	-	-	8,000
-	2,000	5,522	6,000	24,500
30,796	10,000	31,329	18,000	89,200
1,367	1,500	13,266	4,500	18,000
870	7,500	870	15,500	65,000
33,033	21,000	50,987	44,000	196,700
9,283	8,000	29,970	24,000	96,690
4,304	7,000	25,864	19,000	82,000
4,422	7,500	14,551	20,000	97,000
16,468	17,000	45,459	49,858	202,858
34,476	39,500	115,844	112,858	478,548
891	1,050	2,673	3,050	12,500
3,257	3,440	9,771	10,040	41,000
1,600	1,730	4,801	5,180	20,750
4,901	5,000	14,704	15,000	60,000
107	125	322	375	1,500
45	50	136	175	625
10,803	11,395	32,407	33,820	136,375
2,934	1,500	4,511	5,000	20,500
4,281	3,000	4,922	8,000	32,500
997	1,500	3,903	4,000	19,000
-	2,500	2,221	7,500	59,500
8,212	8,500	15,558	24,500	131,500
-	5,000	935	5,000	25,000
-	1,000	260	3,000	6,500
-	4,000	24,357	31,000	49,700
-	10,000	25,551	39,000	81,200

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**September 2015**

	SEP 2015	Budget	Jul-Sep '15	YTD Budget	Annual Budget
544000 · Maintenance of Electric Plant					
544100 · Maint Electric Plant-Swan Lake	50,979	45,000	151,354	145,000	589,715
5442900 · TYL Plant Wages & Benefits					
5442911 · TYL Plant Wages/PTO	35,987	30,000	82,516	85,000	374,000
5442912 · TYL Plant Wages OT	2,363	2,000	5,551	3,750	35,000
5442920 · TYL Plant Benefit - Taxes	2,698	2,700	5,200	7,850	33,300
5442930 · TYL Plant Benefits - Insurance	6,718	5,700	16,795	16,200	69,000
5442940 · TYL Plant Benefits - Retirement	4,285	4,400	10,467	11,800	54,700
Total 5442900 · TYL Plant Wages & Benefits	52,051	44,800	120,529	124,600	566,000
Total 544000 · Maintenance of Electric Plant	103,029	89,800	271,883	269,600	1,155,715
545000 · Plant Miscellaneous Maintenance					
545100 · Plant Misc Maint - Swan Lake	1,348	2,000	7,181	7,000	29,500
545150 · Plant Misc Maint - SWL SEAPA	535	5,000	6,890	5,000	20,000
545200 · Plant Misc Maint - Tyee Lake	964	2,000	5,996	6,500	24,500
Total 545000 · Plant Miscellaneous Maintenance	2,846	9,000	20,066	18,500	74,000
561000 · Control System Maintenance					
561150 · Control System Maint. - SWL	4,118	750	9,608	750	7,500
561250 · Control System Maint. - TYL	4,118	750	9,764	750	7,500
Total 561000 · Control System Maintenance	8,235	1,500	19,372	1,500	15,000
562000 · Trans/Operations Station Exp					
562100 · Trans/Ops Station - Swan Lake	-	500	-	1,500	15,000
562200 · Trans/Ops Station - Tyee Lake	665	1,200	3,052	2,900	14,200
562250 · Trans/Ops Station-TYL SEAPA	-	5,000	-	15,000	156,500
Total 562000 · Trans/Operations Station Exp	665	6,700	3,052	19,400	185,700
564000 · Trans/Submarine Cable Expense					
564200 · Trans/Sub Cable Exp - Tyee Lake	-	-	-	-	2,000
Total 564000 · Trans/Submarine Cable Expense	-	-	-	-	2,000
571000 · Trans/Maint Overhead Lines(OHL)					
571100 · Trans/Maint OHL - Swan Lake	3,160	3,000	3,160	9,000	50,000
571150 · Trans/Maint OHL - SWL SEAPA	4,575	3,500	6,575	10,500	198,630
571151 · Trans/Maint OHL - SWL ROW Clear	-	50,000	203,444	250,000	250,000
571200 · Trans/Maint OHL - Tyee Lake	4,097	2,000	26,912	22,000	54,250
571250 · Trans/Maint OHL - TYL SEAPA	4,575	5,000	10,269	15,000	298,880
5712900 · TYL Brushing Wages & Benefits					
5712911 · TYL Brushing Wages/PTO	12,093	11,000	28,892	30,000	137,000
5712912 · TYL Brushing Wages OT	128	1,500	1,765	2,500	13,000
5712920 · TYL Brushing Benefit - Taxes	885	1,000	1,832	2,750	13,100
5712930 · TYL Brushing Benefit- Insurance	3,359	2,750	8,398	7,500	34,200
5712940 · TYL Brushing Benefit- Retirement	1,947	2,000	4,901	5,500	26,700
5712992 · TYL Brush Grant-Capital Payroll	-		(4,133)		
Total 5712900 · TYL Brushing Wages & Benefits	18,412	18,250	41,654	48,250	224,000
571300 · Trans/Maint OHL STI Maintenance	350	10,000	350	26,500	314,150
571500 · Trans/Maint OHL STI Therm Scan	-	-	2,113	2,000	2,000
571800 · Trans/Maint OHL System Events	-	10,000	-	10,000	100,000
Total 571000 · Trans/Maint Overhead Lines(OHL)	35,169	101,750	294,477	393,250	1,491,910

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**September 2015**

	SEP 2015	Budget	Jul-Sep '15	YTD Budget	Annual Budget
920000 · Admin Wages & Benefits					
9201911 · Admin Wages/PTO	72,266	72,000	181,710	182,000	863,500
9201912 · Admin Wages - Overtime	162	120	203	240	1,500
9201920 · Admin Benefit - Taxes	3,898	5,000	13,751	14,800	61,000
9201930 · Admin Benefit - H&W Insurance	14,923	15,000	38,668	40,000	182,000
9201940 · Admin Benefit - Retirement	22,275	21,400	52,930	54,800	260,100
9201992 · Admin Grant Payroll	-		(872)		
Total 920000 · Admin Wages & Benefits	113,524	113,520	286,390	291,840	1,368,100
921000 · Office Expenses					
921100 · Office Supplies	3,582	1,250	6,893	3,750	15,000
921200 · Office Equipment	23,526	20,000	52,068	44,000	72,100
921300 · Phone, Courier, Internet	6,646	7,400	20,106	22,200	88,960
921400 · System Network / IT Support	703	4,000	6,639	12,000	48,000
921600 · Vehicle Expenses	10	300	449	800	3,500
Total 921000 · Office Expenses	34,467	32,950	86,155	82,750	227,560
922000 · Legislative Affairs	4,000	6,000	12,370	16,000	65,000
923000 · Contract Services					
923200 · Annual Financial Audit	-	-	-	-	29,500
923300 · Bank & Trustee Fees	232	250	753	750	16,150
923400 · Insurance Consultant	-	-	1,014	2,500	7,500
923500 · Investment Consultant	1,664	4,000	4,984	8,000	27,000
923600 · Legal Fees	18,479	15,000	53,638	45,000	180,000
923700 · Recruitment	-	2,000	-	4,000	22,000
923800 · Other Professional Services	4,759	18,000	11,639	33,000	203,000
Total 923000 · Contract Services	25,133	39,250	72,027	93,250	485,150
924000 · Insurance	39,572	46,800	120,981	135,700	556,900
926000 · Retiree Benefits					
926250 · Retiree Benefits TYL-PERS	-	-	-	40,000	40,000
Total 926000 · Retiree Benefits	-	-	-	40,000	40,000
928000 · Regulatory Commission Expense					
928001 · Other Regulatory Expense	-	3,000	71	8,000	39,650
928150 · FERC SWL Admin Fees	2,107	4,000	6,322	12,000	40,000
928151 · FERC SWL Other Expenses	2,237	2,500	3,887	6,500	25,700
928250 · FERC TYL Admin Fees	2,313	3,000	6,938	9,000	37,000
928251 · FERC TYL Other Expenses	-	300	1,440	900	3,800
Total 928000 · Regulatory Commission Expense	6,657	12,800	18,658	36,400	146,150
930000 · General Expenses					
930100 · Advertising Expense	108	400	339	1,250	5,000
930110 · Public Relations	-	2,000	8,395	9,000	27,500
930111 · PR - SEAPA History Project	-	500	-	500	15,000
930300 · Association Dues Expense	-	-	660	1,000	32,330
930310 · Professional Assn Dues	-	-	254	300	750
930400 · Board Meeting Expenses	1,849	4,000	3,740	11,000	45,000
930500 · Training Expense	1,747	2,000	6,141	6,000	28,700
930600 · Travel Expense	2,180	4,000	3,917	11,000	43,000
930700 · Non-Travel Incidental	219	250	338	750	3,000
Total 930000 · General Expenses	6,104	13,150	23,784	40,800	200,280
931000 · Admin Rent					
931010 · Office Rent	5,021	4,500	14,125	13,500	59,560
931100 · Apartment Rent - Ketchikan	1,748	1,950	5,326	5,850	23,400
Total 931000 · Admin Rent	6,769	6,450	19,451	19,350	82,960
<b>Total Operating Expense</b>	<b>489,742</b>	<b>592,935</b>	<b>1,509,059</b>	<b>1,744,188</b>	<b>7,348,328</b>
<b>Net Operating Income</b>	<b>259,929</b>	<b>223,065</b>	<b>1,164,650</b>	<b>1,043,811</b>	<b>4,381,672</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
September 2015

	SEP 2015	Budget	Jul-Sep '15	YTD Budget	Annual Budget
<b>Nonoperating Income/Expense</b>					
<b>Nonoperating Income</b>					
941000 · Grant Income	102,490		94,175		
942000 · Interest Income					
942100 · Misc Interest Income	688		2,666		
942200 · Investment Interest Income	6,867		14,202		
942000 · Interest Income - Other	301		491		
Total 942000 · Interest Income	7,856		17,359		
944000 · Realized Gain/Loss					
944200 · Realized Gain/Loss on Invest	(9,325)		(28,314)		
Total 944000 · Realized Gain/Loss	(9,325)		(28,314)		
945000 · Unrealized Gain/Loss					
945200 · Unrealized Gain/Loss Investment	77,551		24,615		
Total 945000 · Unrealized Gain/Loss	77,551		24,615		
946000 · Misc Nonoperating Income					
946001 · Other Misc Income	-		0		
Total 946000 · Misc Nonoperating Income	-		0		
<b>Total Nonoperating Income</b>	178,571		107,836		
<b>Nonoperating Expense</b>					
952000 · Bond Interest 2009 Series	30,512		91,537		
952001 · Bond Interest 2015 Series	41,697		125,091		
953000 · Depreciation Expense	339,212		1,017,635		
954000 · Grant Expenses					
954002 · Grant Contractual	156,568		302,315		
954004 · Grant Labor & Benefits	-		5,005		
954005 · Grant Legal	455		13,207		
954006 · Grant Materials & Supplies	-		74		
954007 · Grant Other Expense	592		1,874		
954008 · Grant Travel	421		26,608		
Total 954000 · Grant Expenses	158,035		349,083		
954100 · Contributed Capital	(124,670)		(200,647)		
955000 · Interest Expense					
955200 · Investment Interest Expense	-		9,521		
Total 955000 · Interest Expense	-		9,521		
<b>Total Nonoperating Expense</b>	444,786		1,392,219		
<b>Net Nonoperating Income</b>	(266,215)		(1,284,383)		
<b>Net Income</b>	(6,287)	223,065	(119,733)	1,043,811	4,381,672



## **AUGUST 2015 Financial Overview**

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AUGUST, 2015 revenues from kWh sales were under budget:  
\$917,759 actual vs. \$1,033,600 budget.

- Ketchikan - \$414,020 actual vs. \$560,831 budget
- Petersburg - \$284,602 actual vs. \$269,253 budget
- Wrangell - \$219,137 actual vs. \$203,516 budget

Year-to-date (JULY – AUGUST) revenues from kWh sales were below budget:  
\$1,924,038 actual vs. \$1,971,999 budget.

- Ketchikan - \$932,996 actual vs. \$1,054,992 budget
- Petersburg - \$548,161 actual vs. \$496,064 budget
- Wrangell - \$442,881 actual vs. \$420,943 budget

AUGUST, 2015 sales in kWh – 13,496,460

AUGUST, 2014 sales in kWh – 13,601,620

AUGUST, 2013 sales in kWh – 17,029,750

Year-to-date (JULY – AUGUST, 2015) sales in kWh – 28,294,685

Year-to-date (JULY – AUGUST, 2014) sales in kWh – 26,653,740

Year-to-date (JULY – AUGUST, 2013) sales in kWh – 31,968,220

Administrative and operating expenses for AUGUST, 2015 were below budget  
\$626,290 actual vs. \$718,073 budget

Year-to-date administrative and operating expenses (JULY – AUGUST) were  
also below budget: \$1,019,317 actual vs. \$1,151,253 budget.

As always, feel free to ask any questions concerning the financials.

**AGENCY FUNDS**Operations, Capital and Insurance Funds

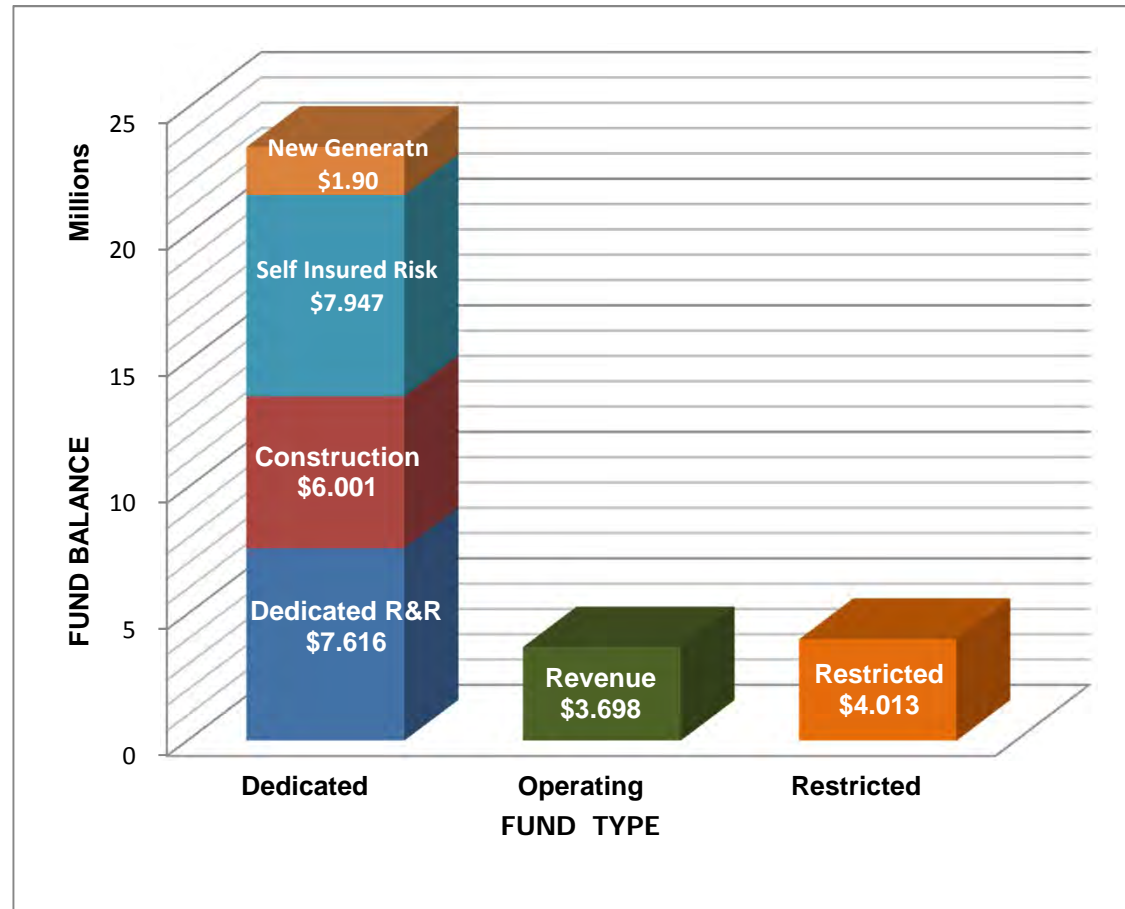
Revenue Fund FB	\$ 3,696,524
Required R&R Fund FB	1,001,324
Dedicated R&R Projects Fund FB	7,616,092
Construction Fund FB	6,001,184
Commercial FB	1,000
Subordinate Debt Fund FB	310
New Generation Fund	1,899,571
Self Insured Risk Fund FNBA	7,946,898
<b>Total Operations, Capital and Insurance Funds</b>	<b>28,162,904</b>

Trustee Funds

2009 Bond Interest	\$ 127,325
2009 Bond Principal	248,376
2009 Bond Reserve	1,410,098
2015 Bond Interest	138,856
2015 Bond Reserve	212,796
<b>Total Trustee Funds</b>	<b>2,137,452</b>

Other Restricted Funds

STI - USFS CD WF	\$ 21,621
DNR Reclamation Fund WF	852,265
<b>Total Other Restricted Funds</b>	<b>873,886</b>
<b>Total Agency Funds</b>	<b>\$ 31,174,241</b>

Dedicated Funds

New Generation = Project feasibility funding (hydro, wind, geothermal)

Self-Insured Risk = Coverage for uninsured transmission lines, submarine cables and insurance deductibles.

Construction Fund = 2015 bond proceeds dedicated to Swan Lake Reservoir Expansion project.

Dedicated R&R = Funds Replacement & Repair projects approved by the SEAPA Board in the FY15 budget.

Operating Funds

Revenue Fund & Commercial Checking: All SEAPA income is deposited to the Revenue Fund as required by Bond Indentures.

Restricted Funds (Legally or contractually restricted)

Bonds = All Trustee Funds: Bond Interest, Principal, Reserve and Escrow accounts

R&R = \$1,000,000 minimum balance required by bond indenture

DNR = Alaska DNR Reclamation Agreement

USFS = USFS Land Remediation Certificate of Deposit

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Summary**  
**As of August 31, 2015**

**ASSETS**

Current Assets	
Agency Funds	
111000 · Ops/Capital/Insurance Funds	28,162,904
112000 · Trustee Funds	2,137,452
113000 · Other Restricted Funds	873,886
Total Agency Funds	<u>31,174,241</u>
Accounts Receivable	
110000 · Accounts Receivable	1,532,770
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	54,036
Total Accounts Receivable	<u>1,822,226</u>
Other Current Assets	
120000 · Other Current Assets	1,522,677
Total Other Current Assets	<u>1,522,677</u>
Total Current Assets	<u>34,519,145</u>
Fixed Assets	
130000 · Fixed Assets	128,760,499
Total Fixed Assets	<u>128,760,499</u>
Other Assets	
183000 · Deferred Assets	482,502
Total Other Assets	<u>482,502</u>
<b>TOTAL ASSETS</b>	<b><u>163,762,146</u></b>

**LIABILITIES & NET POSITION**

Liabilities	
Current Liabilities	
Accounts Payable	
210100 · Accounts Payable General	1,205,676
Total Accounts Payable	<u>1,205,676</u>
Other Current Liabilities	
210150 · Other Current Liabilities	1,762,500
210300 · Reserve Interest Payable	222,965
210400 · Wages Payable	160,613
210500 · Payroll Liabilities	9,347
Total Other Current Liabilities	<u>2,155,426</u>
Total Current Liabilities	<u>3,361,102</u>
Long Term Liabilities	
220000 · Long Term Liabilities	19,635,105
Total Long Term Liabilities	<u>19,635,105</u>
Total Liabilities	<u>22,996,207</u>
Net Position	
310000 · Net Position	140,879,385
Net Income	(113,447)
Total Net Position	<u>140,765,939</u>
<b>TOTAL LIABILITIES &amp; NET POSITION</b>	<b><u>163,762,146</u></b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities Summary**  
August 2015

<b>Operating Income/Expense</b>	
<b>Operating Income</b>	
410000 · Hydro Facility Revenues	917,759
<b>Total Operating Income</b>	<u>917,759</u>
Gross Income	917,759
<b>Operating Expense</b>	
535000 · Hydro Ops-Suprvsn & Engineering	164
538000 · Electric Expenses	6,985
539000 · Misc Power Generation Expense	38,916
540000 · Rents	10,802
541000 · Hydro Power Station Maintenance	3,095
543000 · Dams, Reservoirs & Waterways	3,385
544000 · Maintenance of Electric Plant	98,540
545000 · Plant Miscellaneous Maintenance	3,644
561000 · Control System Maintenance	9,764
562000 · Trans/Operations Station Exp	1,327
571000 · Trans/Maint Overhead Lines(OHL)	228,817
920000 · Administrative Expenses	117,148
921000 · Office Expenses	13,928
922000 · Legislative Affairs	4,370
923000 · Contract Services	26,306
924000 · Insurance	39,572
928000 · Regulatory Commission Expense	5,860
930000 · General Expenses	7,642
931000 · Admin Rent	6,024
<b>Total Operating Expense</b>	<u>626,290</u>
<b>Net Operating Income</b>	<u>291,470</u>
<b>Non-Operating Income/Expense</b>	
Non-Operating Income	
941000 · Grant Income	13,449
942000 · Interest Income	8,405
944000 · Realized Gain/Loss	(18,977)
945000 · Unrealized Gain/Loss	(49,496)
946000 · Misc Nonoperating Income	0
<b>Total Non-Operating Income</b>	<u>(46,617)</u>
<b>Non-Operating Expense</b>	
952000 · Bond Interest 2009 Series	30,512
952001 · Bond Interest 2015 Series	41,697
953000 · Depreciation Expense	338,540
954000 · Grant Expenses	119,694
955000 · Interest Expense	(72,463)
<b>Total Non-Operating Expense</b>	<u>457,980</u>
<b>Net Non-Operating Income</b>	<u>(504,597)</u>
<b>Net Income</b>	<u><u>(213,127)</u></u>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of August 31, 2015**

**ASSETS**

**Current Assets**

Agency Funds

111000 · Ops/Capital/Insurance Funds	
111100 · Revenue Fund FB	3,696,524
111200 · Required R&R Fund FB	1,001,324
111210 · Dedicated R&R Projects Fund FB	7,616,092
111211 · Construction Fund FB	6,001,184
111300 · Commercial FB	1,000
111400 · Subordinate Debt Fund FB	310
111401 · New Generation Fund	1,899,571
111500 · Self Insured Risk Fund FNBA	7,946,898

Total 111000 · Ops/Capital/Insurance Funds	28,162,904
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112000 · Trustee Funds

112100 · WF Trust 2009 Bond Interest	127,325
112200 · WF Trust 2009 Bond Principal	248,376
112300 · WF Trust 2009 Bond Reserve	1,410,098
112501 · WF Trust 2015 Bond Interest	138,856
112503 · WF Trust 2015 Bond Reserve	212,796

Total 112000 · Trustee Funds	2,137,452
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113000 · Other Restricted Funds

113100 · STI - USFS CD WF	21,621
113500 · DNR Reclamation Fund WF	852,265

Total 113000 · Other Restricted Funds	873,886
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Total Agency Funds	31,174,241
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Accounts Receivable

110000 · Accounts Receivable	1,532,770
110010 · Unbilled Displaced Sales	235,420
110100 · Grants Receivable	54,036

Total Accounts Receivable	1,822,226
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Other Current Assets

120000 · Other Current Assets

120200 · Other Receivables	4,606
120300 · Accrued Interest Receivable	(6,080)
120500 · Prepaid Fees	
120510 · Prepaid FERC Fees	8,568
120520 · Prepaid Insurance	435,291
120530 · Prepaid Operating Expense	9,360
120540 · Prepaid USDA FS Land Use Fees	26,617
120550 · Prepaid Admin Benefits	91,363

Total 120500 · Prepaid Fees	571,200
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120700 · Inventory Assets

120701 · Inventory - Wood Poles	8,143
120702 · Inventory - Marker Balls	54,404
1207031 · Inventory-SWL Winding Replacmnt	890,405

Total 120700 · Inventory Assets	952,952
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Total 120000 · Other Current Assets	1,522,677
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Total Other Current Assets	1,522,677
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<b>Total Current Assets</b>	<b>34,519,145</b>
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**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
**As of August 31, 2015**

<b>Fixed Assets</b>	
130000 · Fixed Assets	
130100 · Capital Assets	
130110 · Swan Lake	16,428,278
130120 · Tyee Lake	27,566,918
130130 · SEAPA Office	733,897
132100 · Swan Tyee Intertie in Operation	111,578,874
Total 130100 · Capital Assets	156,307,967
132200 · R&R Projects WIP Capital Improv	
132210 · R&R Projects - WIP Swan Lake	
1322100 · R&R WIP SWL- Reservoir Increase	
1322101 · WIP SWL Agency Permits/Environm	708,085
1322103 · WIP SWL Equipment	2,261
1322104 · WIP SWL Engineering/Design	692,208
1322105 · WIP SWL Legal	36,217
1322106 · WIP SWL Project Mgmt/Professnal	130,241
Total 1322100 · R&R WIP SWL- Reservoir Increase	1,569,011
132210 · R&R Projects - WIP Swan Lake - Other	827,275
Total 132210 · R&R Projects - WIP Swan Lake	2,396,286
132220 · R&R Projects - WIP Tyee Lake	1,272,630
132230 · R&R Projects - WIP STI-Transmsn	1,160,833
132240 · R&R Projects - WIP SEAPA Office	50,518
Total 132200 · R&R Projects WIP Capital Improv	4,880,266
132900 · Accumulated Depreciation	(32,427,735)
Total 130000 · Fixed Assets	128,760,499
<b>Total Fixed Assets</b>	128,760,499
<b>Other Assets</b>	
183000 · Deferred Assets	
183001 · Long Term Receivable	242,499
183002 · Geothermal	71,785
183003 · 2009 Bond - Refunded Discount	164,983
183300 · Meterological Tower	3,236
Total 183000 · Deferred Assets	482,502
<b>Total Other Assets</b>	482,502
<b>TOTAL ASSETS</b>	<b>163,762,146</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Financial Position - Detail**  
As of August 31, 2015

**LIABILITIES & EQUITY**

**Liabilities**

Current Liabilities

Accounts Payable

210100 · Accounts Payable General 1,205,676

Total Accounts Payable 1,205,676

Other Current Liabilities

210150 · Other Current Liabilities

210151 · Member Utility Rebate Payable 1,500,000

210152 · DNR Fund - CVEA KEA Portion 262,500

Total 210150 · Other Current Liabilities 1,762,500

210300 · Reserve Interest Payable 222,965

210400 · Wages Payable 160,613

210500 · Payroll Liabilities

210522 · SUI Tax Payable 579

210531 · IBEW H&W Payable 5,145

210541 · IBEW Pension Payable 2,904

210550 · IBEW Dues Payable 720

Total 210500 · Payroll Liabilities 9,347

Total Other Current Liabilities 2,155,426

Total Current Liabilities 3,361,102

Long Term Liabilities

220000 · Long Term Liabilities

220100 · Series B Bonds 2009 7,905,000

220120 · 2009 Bond Issuance Discount (35,536)

220121 · PERS Unfunded Liability WRG 488,768

220130 · Series 2015 Bonds 10,295,000

220131 · 2015 Bond Issuance Premium 981,873

Total 220000 · Long Term Liabilities 19,635,105

Total Long Term Liabilities 19,635,105

**Total Liabilities** 22,996,207

**Net Position**

310000 · Net Position

3100001 · Net Investment Capital Assets 108,718,000

3100002 · Restricted for Debt Service 1,622,843

3100003 · Restricted by External Agreement 873,886

3100004 · Unrestricted 29,664,657

Total 310000 · Net Position 140,879,385

Net Income (113,447)

**Total Net Position** 140,765,939

**TOTAL LIABILITIES & NET POSITION** 163,762,146

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**August 2015**

	AUG 2015	Budget	Jul-Aug '15	YTD Budget	Annual Budget
Operating Income/Expense					
<b>Operating Income</b>					
410000 · Hydro Facility Revenues					
410100 · Ketchikan Power Purchases	414,020	560,831	932,996	1,054,992	6,415,704
410200 · Petersburg Power Purchases	284,602	269,253	548,161	496,064	2,841,746
410300 · Wrangell Power Purchases	219,137	203,516	442,881	420,943	2,472,550
Total 410000 · Hydro Facility Revenues	917,759	1,033,600	1,924,039	1,971,999	11,730,000
<b>Total Operating Income</b>	917,759	1,033,600	1,924,039	1,971,999	11,730,000
<b>Operating Expense</b>					
535000 · Hydro Ops-Suprvsn & Engineering					
535100 · Hyd/Ops Sup & Eng - Swan Lake	105	2,400	1,740	4,800	28,480
535150 · Hyd/Ops Sup & Eng - SWL SEAPA	85	500	739	1,000	10,350
535250 · Hyd/Ops Sup & Eng -TYL SEAPA	(26)	500	519	1,000	84,000
535400 · Hyd/Op Sup & Eng - Proj Drawing	-	1,000	-	2,000	96,750
Total 535000 · Hydro Ops-Suprvsn & Engineering	164	4,400	2,998	8,800	219,580
537000 · Hydraulic Expenses					
537150 · Hydraulic Expense - SWL SEAPA	-	-	-	-	4,000
537250 · Hydraulic Expense - TYL SEAPA	-	-	-	-	4,000
Total 537000 · Hydraulic Expenses	-	-	-	-	8,000
538000 · Electric Expenses					
538100 · Electric Expense - Swan Lake	-	2,000	5,522	4,000	24,500
538150 · Electric Expense - SWL SEAPA	533	7,000	533	8,000	89,200
538200 · Electric Expense - Tyee Lake	6,452	1,500	11,900	3,000	18,000
538250 · Electric Expense - TYL SEAPA	-	7,000	-	8,000	65,000
Total 538000 · Electric Expenses	6,985	17,500	17,954	23,000	196,700
539000 · Misc Power Generation Expense					
539100 · Misc Exp - Swan Lake	7,210	8,000	20,687	16,000	96,690
539150 · Misc Expense - SWL SEAPA	14,181	7,000	21,560	12,000	82,000
539200 · Misc Expense - Tyee Lake	3,514	7,500	10,129	12,500	97,000
539250 · Misc Expense - TYL SEAPA	14,012	17,858	28,992	32,858	202,858
Total 539000 · Misc Power Generation Expense	38,916	40,358	81,368	73,358	478,548
540000 · Rents					
540300 · FERC Land Use Fee - Swan Lake	891	1,000	1,782	2,000	12,500
540400 · FERC Land Use Fee - Tyee Lake	3,257	3,440	6,514	6,600	41,000
540500 · USDA Land Use Fee - USFS ROW	1,600	1,730	3,201	3,450	20,750
540600 · USDA Land Use Fee - STI	4,901	5,000	9,803	10,000	60,000
540700 · USDA Tyee Passive Reflector	107	125	215	250	1,500
540710 · USDA Etolin Burnett Radio	45	50	91	125	625
Total 540000 · Rents	10,802	11,345	21,605	22,425	136,375
541000 · Hydro Power Station Maintenance					
541100 · Maintenance - Swan Lake	565	2,000	1,577	3,500	20,500
541150 · Maintenance - SWL SEAPA	-	2,500	642	5,000	32,500
541200 · Maintenance - Tyee Lake	309	1,500	2,906	2,500	19,000
541250 · Maintenance - TYL SEAPA	2,221	2,500	2,221	5,000	59,500
Total 541000 · Hydro Power Station Maintenance	3,095	8,500	7,346	16,000	131,500
543000 · Dams, Reservoirs & Waterways					
543150 · Dams Res & Waterwys - SWL SEAPA	935	-	935	-	25,000
543200 · Dams Res & Waterwys - Tyee Lake	260	1,000	260	2,000	6,500
543250 · Dams Res & Waterwys - TYL SEAPA	2,190	3,000	24,357	27,000	49,700
Total 543000 · Dams, Reservoirs & Waterways	3,385	4,000	25,551	29,000	81,200

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**August 2015**

	<b>AUG 2015</b>	<b>Budget</b>	<b>Jul-Aug '15</b>	<b>YTD Budget</b>	<b>Annual Budget</b>
544000 · Maintenance of Electric Plant					
544100 · Maint Electric Plant-Swan Lake	54,746	45,000	100,375	100,000	589,715
5442900 · TYL Plant Wages & Benefits					
5442911 · TYL Plant Wages/PTO	29,676	30,000	46,529	55,000	374,000
5442912 · TYL Plant Wages OT	1,113	1,000	3,188	1,750	35,000
5442920 · TYL Plant Benefit - Taxes	2,435	2,650	2,502	5,150	33,300
5442930 · TYL Plant Benefits - Insurance	6,718	5,500	10,077	10,500	69,000
5442940 · TYL Plant Benefits - Retirement	3,853	4,400	6,182	7,400	54,700
Total 5442900 · TYL Plant Wages & Benefits	43,794	43,550	68,478	79,800	566,000
Total 544000 · Maintenance of Electric Plant	98,540	88,550	168,853	179,800	1,155,715
545000 · Plant Miscellaneous Maintenance					
545100 · Plant Misc Maint - Swan Lake	468	2,000	5,833	5,000	29,500
545150 · Plant Misc Maint - SWL SEAPA	-	-	6,355	-	20,000
545200 · Plant Misc Maint - Tyee Lake	3,176	2,000	5,032	4,500	24,500
Total 545000 · Plant Miscellaneous Maintenance	3,644	4,000	17,220	9,500	74,000
561000 · Control System Maintenance					
561150 · Control System Maint. - SWL	4,804	-	5,490	-	7,500
561250 · Control System Maint. - TYL	4,960	-	5,647	-	7,500
Total 561000 · Control System Maintenance	9,764	-	11,137	-	15,000
562000 · Trans/Operations Station Exp					
562100 · Trans/Ops Station - Swan Lake	-	500	-	1,000	15,000
562200 · Trans/Ops Station - Tyee Lake	1,327	1,200	2,387	1,700	14,200
562250 · Trans/Ops Station-TYL SEAPA	-	5,000	-	10,000	156,500
Total 562000 · Trans/Operations Station Exp	1,327	6,700	2,387	12,700	185,700
564000 · Trans/Submarine Cable Expense					
564200 · Trans/Sub Cable Exp - Tyee Lake	-	-	-	-	2,000
Total 564000 · Trans/Submarine Cable Expense	-	-	-	-	2,000
571000 · Trans/Maint Overhead Lines(OHL)					
571100 · Trans/Maint OHL - Swan Lake	-	3,000	-	6,000	50,000
571150 · Trans/Maint OHL - SWL SEAPA	2,000	3,500	2,000	7,000	198,630
571151 · Trans/Maint OHL - SWL ROW Clear	203,444	200,000	203,444	200,000	250,000
571200 · Trans/Maint OHL - Tyee Lake	1,203	10,000	22,815	20,000	54,250
571250 · Trans/Maint OHL - TYL SEAPA	5,694	5,000	5,694	10,000	298,880
5712900 · TYL Brushing Wages & Benefits					
5712911 · TYL Brushing Wages/PTO	10,675	11,000	16,799	19,000	137,000
5712912 · TYL Brushing Wages OT	1,637	1,000	1,637	1,000	13,000
5712920 · TYL Brushing Benefit - Taxes	927	1,000	947	1,750	13,100
5712930 · TYL Brushing Benefit- Insurance	3,359	2,750	5,039	4,750	34,200
5712940 · TYL Brushing Benefit- Retirement	1,898	2,000	2,954	3,500	26,700
5712992 · TYL Brush Grant-Capital Payroll	(4,133)		(4,133)		
Total 5712900 · TYL Brushing Wages & Benefits	14,362	17,750	23,242	30,000	224,000
571300 · Trans/Maint OHL STI Maintenance	-	6,500	-	16,500	314,150
571500 · Trans/Maint OHL STI Therm Scan	2,113	2,000	2,113	2,000	2,000
571800 · Trans/Maint OHL System Events	-	-	-	-	100,000
Total 571000 · Trans/Maint Overhead Lines(OHL)	228,817	247,750	259,308	291,500	1,491,910

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**August 2015**

	<b>AUG 2015</b>	<b>Budget</b>	<b>Jul-Aug '15</b>	<b>YTD Budget</b>	<b>Annual Budget</b>
920000 · Admin Wages & Benefits					
9201911 · Admin Wages/PTO	76,068	70,000	109,444	110,000	863,500
9201912 · Admin Wages - Overtime	41	120	41	120	1,500
9201920 · Admin Benefit - Taxes	5,077	5,000	9,853	9,800	61,000
9201930 · Admin Benefit - H&W Insurance	15,815	15,000	23,745	25,000	182,000
9201940 · Admin Benefit - Retirement	21,019	21,400	30,654	33,400	260,100
9201992 · Admin Grant Payroll	(872)		(872)		
Total 920000 · Admin Wages & Benefits	117,148	111,520	172,866	178,320	1,368,100
921000 · Office Expenses					
921100 · Office Supplies	1,795	1,250	3,311	2,500	15,000
921200 · Office Equipment	3,573	4,000	28,542	24,000	72,100
921300 · Phone, Courier, Internet	6,558	7,400	13,460	14,800	88,960
921400 · System Network / IT Support	1,733	6,000	5,936	8,000	48,000
921600 · Vehicle Expenses	270	300	439	500	3,500
Total 921000 · Office Expenses	13,928	18,950	51,688	49,800	227,560
922000 · Legislative Affairs	4,370	6,000	8,370	10,000	65,000
923000 · Contract Services					
923200 · Annual Financial Audit	-	-	-	-	29,500
923300 · Bank & Trustee Fees	259	250	521	500	16,150
923400 · Insurance Consultant	1,014	2,500	1,014	2,500	7,500
923500 · Investment Consultant	1,660	2,000	3,320	4,000	27,000
923600 · Legal Fees	19,934	15,000	35,159	30,000	180,000
923700 · Recruitment	-	1,500	-	2,000	22,000
923800 · Other Professional Services	3,440	10,000	6,880	15,000	203,000
Total 923000 · Contract Services	26,306	31,250	46,894	54,000	485,150
924000 · Insurance	39,572	46,800	81,409	88,900	556,900
926000 · Retiree Benefits					
926250 · Retiree Benefits TYL-PERS	-	40,000	-	40,000	40,000
Total 926000 · Retiree Benefits	-	40,000	-	40,000	40,000
928000 · Regulatory Commission Expense					
928001 · Other Regulatory Expense	-	3,000	71	5,000	39,650
928150 · FERC SWL Admin Fees	2,107	4,000	4,215	8,000	40,000
928151 · FERC SWL Other Expenses	-	2,000	1,650	4,000	25,700
928250 · FERC TYL Admin Fees	2,313	3,000	4,625	6,000	37,000
928251 · FERC TYL Other Expenses	1,440	300	1,440	600	3,800
Total 928000 · Regulatory Commission Expense	5,860	12,300	12,001	23,600	146,150
930000 · General Expenses					
930100 · Advertising Expense	231	450	231	850	5,000
930110 · Public Relations	3,492	2,000	8,395	7,000	27,500
930111 · PR - SEAPA History Project	-	-	-	-	15,000
930300 · Association Dues Expense	-	-	660	1,000	32,330
930310 · Professional Assn Dues	-	-	254	300	750
930400 · Board Meeting Expenses	1,846	4,000	1,891	7,000	45,000
930500 · Training Expense	1,167	1,000	4,394	4,000	28,700
930600 · Travel Expense	854	4,000	1,737	7,000	43,000
930700 · Non-Travel Incidental	52	250	119	500	3,000
Total 930000 · General Expenses	7,642	11,700	17,681	27,650	200,280
931000 · Admin Rent					
931010 · Office Rent	4,410	4,500	9,104	9,000	59,560
931100 · Apartment Rent - Ketchikan	1,613	1,950	3,578	3,900	23,400
Total 931000 · Admin Rent	6,024	6,450	12,682	12,900	82,960
<b>Total Operating Expense</b>	<b>626,290</b>	<b>718,073</b>	<b>1,019,317</b>	<b>1,151,253</b>	<b>7,348,328</b>
<b>Net Operating Income</b>	<b>291,470</b>	<b>315,527</b>	<b>904,721</b>	<b>820,746</b>	<b>4,381,672</b>

**SOUTHEAST ALASKA POWER AGENCY**  
**Statement of Activities - Budget Comparison Detail**  
**August 2015**

	<b>AUG 2015</b>	<b>Budget</b>	<b>Jul-Aug '15</b>	<b>YTD Budget</b>	<b>Annual Budget</b>
<b>Nonoperating Income/Expense</b>					
<b>Nonoperating Income</b>					
941000 · Grant Income	13,449		(8,314)		
942000 · Interest Income					
942100 · Misc Interest Income	880		1,978		
942200 · Investment Interest Income	7,335		7,335		
942000 · Interest Income - Other	190		190		
Total 942000 · Interest Income	8,405		9,503		
944000 · Realized Gain/Loss					
944200 · Realized Gain/Loss on Invest	(18,977)		(18,988)		
Total 944000 · Realized Gain/Loss	(18,977)		(18,988)		
945000 · Unrealized Gain/Loss					
945200 · Unrealized Gain/Loss Investment	(49,496)		(52,935)		
Total 945000 · Unrealized Gain/Loss	(49,496)		(52,935)		
946000 · Misc Nonoperating Income					
946001 · Other Misc Income	0		0		
Total 946000 · Misc Nonoperating Income	0		0		
<b>Total Nonoperating Income</b>	(46,617)		(70,735)		
<b>Nonoperating Expense</b>					
952000 · Bond Interest 2009 Series	30,512		61,025		
952001 · Bond Interest 2015 Series	41,697		83,394		
953000 · Depreciation Expense	338,540		678,423		
954000 · Grant Expenses					
954002 · Grant Contractual	78,368		145,747		
954004 · Grant Labor & Benefits	5,005		5,005		
954005 · Grant Legal	9,812		12,752		
954006 · Grant Materials & Supplies	74		74		
954007 · Grant Other Expense	1,282		1,282		
954008 · Grant Travel	25,153		26,188		
Total 954000 · Grant Expenses	119,694		191,047		
954100 · Contributed Capital	(72,463)		(75,977)		
955000 · Interest Expense					
955200 · Investment Interest Expense	-		9,521		
Total 955000 · Interest Expense	-		9,521		
<b>Total Nonoperating Expense</b>	457,980		947,433		
<b>Net Nonoperating Income</b>	(504,597)		(1,018,168)		
<b>Net Income</b>	(213,127)	315,527	(113,447)	820,746	4,381,672

Southeast Alaska Power Agency R&R PROJECTS	FY2016		OCTOBER 2015 WIP CAPITAL PROJECTS	ANNUAL EXPENDITURES					Overall BUDGET
	Budget	Expenditures		FY12	FY13	FY14	FY15	TOTAL	
242-13 Reservoir Expansion SWL Grant Funding Construction Fund	\$ 3,697,143 \$ (2,991,308) \$ (6,000,000)	319,453 (389,606) -	FERC Amendment issued Aug 2015.	151,421	421,782 (6,392)	394,811 (245,260)	525,020 (513,931)	<b>1,812,487</b> <b>(1,155,189)</b> -	10,000,000 (3,898,000) (6,102,000)
220-12 SCADA Upgrade	\$ 110,125	42,216	Integration complete in 2016.	130,663	156,453	880,036	88,276	<b>1,297,643</b>	1,347,209
228-13 Circuit Switcher WRG	\$ 65,783	74,784	Installed Sep 2015.		-	-	104,217	<b>179,002</b>	170,000
231-13 Helicopter Pads	\$ 1,775,865	1,063,088	Installation began Jul 2015.		57,731	98,391	533,783	<b>1,752,993</b>	3,350,000
232-13 Communications Upgrade	\$ 301,801	29,525	DNR permitted Tyee Sep 2015.		12,160	184,771	17,744	<b>244,200</b>	520,100
236-13 Wrangell Reactor	\$ 223,003	187,647	Installed Sep 2015.		55,066	216,832	446,532	<b>906,078</b>	939,000
240-13 Cooling Water TYL	\$ 105,534	52,261	Controls integration in process.		26,600	67,566	1,250	<b>147,675</b>	199,700
241-13 Stream Gauge TYL	\$ 844,525	27,351	Staged; pending weather.		37,845	562,635	22,753	<b>650,584</b>	1,467,758
248-14 Lathe TYL	\$ 42,000	-	To be ordered.			16,593	(16,823)	-	42,000
249-14 Marine Term Gage/CommTYL	\$ 148,498	41,484	Gages delivered; ready for install.			-	126,111	<b>167,595</b>	245,000
251-14 Powerhs Roof Repair SWL	\$ 419,200	430,155	COMPLETE SEP 2015			913	6,012	<b>437,080</b>	425,000
252-14 Submarine SpliceSpareTYL	\$ 213,000	-	Existing kits evaluated.			-	-	-	213,000
255-14 Wood Helipad Repair SWL	\$ 103,489	95,871	COMPLETE AUG 2015				633	<b>96,504</b>	104,000
256-15 Alarm Trip Protectn SWL-TYL	\$ 221,500	23,991	Underway; complete summer 2016				611	<b>24,602</b>	222,000
257-15 Pressure-Reducing Valve TYL	\$ 71,000	-	Coordinated with RR240-13.				2,582	<b>2,582</b>	71,000
258-15 System Control Improve SWL-TYL	\$ 88,200	26,790	Project underway.				28,766	<b>55,556</b>	116,800
259-15 Turbine Shutoff Valves TYL	\$ 209,976	22,663	Install scheduled for Sep 2015				84,857	<b>107,520</b>	274,500
260-15 Exciters SWL	\$ 797,500	175,309	Equipment delivery Dec 2015.				10,104	<b>185,412</b>	799,000
261-15 Generator Switch Gear SWL	\$ 881,000	-	Equipment delivery Mar 2016.				9,773	<b>9,773</b>	882,000
262-16 Manlifts SWL-TYL	\$ 130,000	131,202	In service at TYL, SWL delivery Dec.					<b>131,202</b>	130,000
263-16 CTs-Relay CircSwitcr WRG	\$ 201,000	-	Spring 2016					-	201,000
264-16 Cooling System TGB SWL	\$ 130,000	13,580	Equipment delivery Dec 2015.					<b>13,580</b>	130,000
265-16 Marker Balls OHL TYL	\$ 600,596	-	Spring 2016					-	600,596
266-16 Pickup KTN	\$ 38,275	1,000	Purchase underway.					<b>1,000</b>	38,275
267-16 Roof-Siding Housing TYL	\$ 120,770	-	Spring 2016					-	120,770
268-16 Vehicle SWL	\$ 20,000	-	Pending vehicle inspection					-	20,000
269-16 Guy Thimbles STI	\$ 204,000	-	Spring 2016					-	204,000
270-16 Dampeners OHL TYL	\$ 99,900	-	Spring 2016					-	99,900
Total WIP R&R Capital Projects	<b>\$8,166,540</b>	<b>\$2,438,915</b>		\$130,663	\$345,854	2,027,736	\$1,467,182	\$6,410,579	\$12,932,608

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>220-12 SCADA Upgrade</b>			<b>\$110,125</b>	-	SEAPA-System Supervisory Control and Data Acquisition (SCADA) Consolidation Project. Installed and operational. Project completion scheduled for FY2016 as system is integrated with other R&R projects (Alarm Control Protection). (E.Wolfe)
	\$ 156,453	<i>FY13 Expenditures</i>			
	\$ 881,204	<i>FY14 Expenditures</i>			
	\$ (674,780)	<i>FY14 TYL Portion Capitalized</i>			
	\$ 88,276	<i>FY15 Expenditures</i>			
07/30/15	XJR5PJF36	Dell		1,810	FY14 CAPITALIZED TYL Portion of Project \$674K
08/10/15	17054	TexRus		354	
08/18/15	230961	Best Western Landing Hotel		160	
08/18/15	230960	Best Western Landing Hotel		160	
08/18/15	52392	Sunrise Aviation Inc		890	
08/21/15	52397	Sunrise Aviation Inc		578	
08/23/15	231295	Best Western Landing Hotel		477	
08/23/15	231296	Best Western Landing Hotel		280	
08/27/15	XJRJMDDD4	Dell		3,446	
08/31/15	15060	Segrity LLC		8,352	
08/31/15	15060	Segrity LLC		9,902	
08/31/15	15060	Segrity LLC		8,940	
08/31/15	WOL0389-201508	"Bank of America		58	
10/06/15	15065	Segrity LLC		1,301	
10/06/15	15065	Segrity LLC		1,301	
10/06/15	15065	Segrity LLC		1,301	
10/23/15	15077	Segrity LLC		968	
10/23/15	15077	Segrity LLC		968	
10/23/15	15077	Segrity LLC		968	
<b>Total 220-12 SCADA Upgrade</b>				<u>623,043</u>	
<b>228-13 Circuit Switcher WRG</b>			<b>\$65,783</b>	-	Replacement of manual 3-phase circuit switcher at the Wrangell switchyard. Delivered to WRG switchyard October 2014. Installation completed in SEP 2015. (S.Henson)
	\$ 104,217	<i>FY15 Expenditures</i>			
08/12/15	7221	Electric Power Constructors		545	
09/26/15	377291	Ottesen's Inc		114	
09/30/15	15068	Segrity LLC		870	
09/30/15	91376R	Southern States LLC		11,000	
10/22/15	7878	Electric Power Constructors		62,256	
<b>Total 228-13 Circuit Switcher Wrg</b>				<u>179,002</u>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>231-13 Helicopter Pads</b>			<b>\$1,775,865</b>	-	Helipad installation on the intertie and replacement of pads on Swan and Tyee lines. Prototype installed on the STI in November 2013. PND's helipad design approved by USFS in Dec 2014. Touchdown Enterprises helipad manufacturing to be completed in June; installation began summer of 2015 and scheduled for completion in CY2016.
	\$ 57,731	<i>FY13 Expenditures</i>			
	\$ 98,391	<i>FY14 Expenditures</i>			
	\$ (114,921)	<i>FY14 Capitalize Prototypes</i>			
	\$ 533,783	<i>FY15 Expenditures</i>			
07/01/15	WCI201507	Ward Cove Industries LLC		1,125	
07/14/15	PMT#3	Touchdown Enterprises		145,688	Project Management: Tongass Engineering (S.Henson)
07/21/15	29126	Temsco Helicopters, Inc.		6,204	Manufacturing: Touchdown Enterprises
07/24/15	1540	Ward Cove Industries LLC		1,380	Installation: BAM LLC
07/29/15	35680602	McMaster-Carr		797	FY14 CAPITALIZED \$114,921 (Prototypes)
08/01/15	WCI201508	Ward Cove Industries LLC		1,125	
08/03/15	31335	Taquan Air		467	
08/05/15	Final Pmt	Touchdown Enterprises		145,688	
08/14/15	TO15111-1	BAM LLC		297,000	
08/18/15	1562	Ward Cove Industries LLC		95	
09/01/15	WCI201509	Ward Cove Industries LLC		1,125	
09/01/15	31721	Taquan Air		556	
09/03/15	31737	Taquan Air		556	
09/10/15	to15111-2	BAM LLC		427,895	
09/14/15	1320127	Tongass Engineering		25,469	
09/15/15	31917	Taquan Air		695	
09/17/15	29469	Temsco Helicopters, Inc.		1,024	
09/22/15	31918	Taquan Air		1,390	
10/01/15	WCI201510	Ward Cove Industries LLC		1,125	
10/05/15	31994	Taquan Air		685	
10/06/15	29531	Temsco Helicopters, Inc.		2,999	
<b>Total 231-13 Helicopter Pads</b>				<b>1,638,072</b>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>232-13 Communications Upgrade</b>			<b>\$301,801</b>	-	Satellite dishes and telephone systems installed at Swan Lake and SEAPA Office in December 2013. Tyee Lake satellite dish permitting approved by ADF&G and Corp of Engineers; DNR approval received Sep 2015. Platform built by Tyee crew, materials for installation scheduled for delivery in Dec 2015. ROIP (Radio Over Internet Protocol) being tested. (S.Henson)
	\$ 12,160	<i>FY13 Expenditures</i>			
	\$ (177,163)	<i>FY14 Capitalize SWL-SEA Office</i>			
	\$ 17,744	<i>FY15 Expenditures</i>			
07/20/15	AKKET11012	Fastenal		577	
07/22/15	PO1618DWNPMT	Vertex Structures, Inc.		2,349	
07/24/15	50943704	Tetra Tech Inc		135	
08/11/15	S144KET08I	Samson Tug & Barge		76	CAPITALIZED SWL-SEAPA Office \$177,163
08/11/15	29254	Temsco Helicopters, Inc.		559	
08/15/15	29267	Temsco Helicopters, Inc.		2,184	
09/09/15	2762290	Span Alaska Transportation, LLC		1,330	
09/11/15	150911001	Vertex Structures, Inc.		5,482	
10/07/15	WRA150072	Samson Tug & Barge		320	
10/14/15	S6782454001	North Coast Electric Company		10,871	
10/14/15	S6782454002	North Coast Electric Company		2,995	
10/15/15	S164WRA09N	Samson Tug & Barge		500	
10/16/15	S165WRA19N	Samson Tug & Barge		743	
10/24/15	378485	Ottesen's Inc		26	
10/28/15	S678245003	North Coast Electric Company		764	
10/31/15	S678245004	North Coast Electric Company		613	
<b>Total 232-13 Communications Upgrade</b>				<u>67,038</u>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>236-13 Wrangell Reactor</b>			<b>\$223,003</b>	-	Replace aging reactor in Wrangell with switchable reactors and capacitors. EPS - Project management and engineering design; ABB - Manufacturer; Norconsult - Factory Acceptance Testing; Installation completed Sep 2015.
	\$ 55,066	<i>FY13 Expenditures</i>			(S.Henson)
	\$ 216,832	<i>FY14 Expenditures</i>			
	\$ 446,532	<i>FY15 Expenditures</i>			
07/03/15	90871605	ABB Inc.		44	
07/03/15	90871604	ABB Inc.		5,001	
07/16/15	7036	Electric Power Systems Inc.		117	
07/27/15	D06768170	DHL Express		36	
08/12/15	7221	Electric Power Constructors		2,179	
09/15/15	7487	Electric Power Systems Inc.		288	
09/22/15	421675	Sentry Hardware & Marine		6	
09/22/15	377084	Ottesen's Inc		14	
09/30/15	15068	Segrity LLC		4,568	
09/30/15	7758	Electric Power Systems Inc.		9,212	
10/06/15	44490	Johnson's Building Supply		750	
10/09/15	3622	Stikine Inn		453	
10/12/15	7742	Electric Power Constructors		5,650	
10/18/15	15030093	NK Electric, Inc.		401	
10/22/15	7878	Electric Power Constructors		153,280	
10/31/15	7904	Electric Power Constructors		5,650	
<b>Total 236-13 Wrangell Reactors</b>				<u>906,078</u>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>240-13 Cooling Water TYL</b>			<b>\$105,534</b>	-	Piping installation complete. Valves and control work remain and will be coordinated with System Control Improvements (RR258-15). (E.Wolfe)
	\$ 26,600	<i>FY13 Expenditures</i>			CAPITALIZED PIPE INSTALLATION \$94,165
	\$ 67,566	<i>FY14 Expenditures</i>			
	\$ (94,165)	<i>FY14 Pipe Install Capitalized</i>			
	\$ 1,250	<i>FY15 Expenditures</i>			
07/01/15	417918	Sentry Hardware & Marine		136	
07/09/15	34195928	McMaster-Carr		655	
07/17/15	34799332	McMaster-Carr		63	
07/27/15	419124	Sentry Hardware & Marine		16	
08/31/15	15061	Segrity LLC		10,845	
09/16/15	82326	Channel Electric		851	
09/22/15	S156KET05I	Samson Tug & Barge		82	
09/29/15	15063	Segrity LLC		9,716	
10/02/15	15072	Segrity LLC		3,250	
10/06/15	15064	Segrity LLC		4,946	
10/13/15	15067	Segrity LLC		11,003	
10/21/15	41752720	McMaster-Carr		90	
10/23/15	S167WRA16N	Samson Tug & Barge		64	
10/31/15	15074	Segrity LLC		2,798	
10/31/15	15079	Segrity LLC		7,746	
<b>Total Project</b>				<u>53,510</u>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>241-13 Stream Gauge TYL</b>			<b>\$844,525</b>	-	Logs cleared July 2013. Weir construction completed and helipad place by Sep 2013. Grout work will be performed as conditions allow (BAM). (E.Schofield)
	\$ 37,845	<i>FY13 Expenditures</i>			
	\$ 562,635	<i>FY14 Expenditures</i>			
	\$ (598,332)	<i>FY14 Weir &amp; Helipad Capitalized</i>			
	\$ 22,753	<i>FY15 Expenditures</i>			FY14 CAPITALIZED WEIR & HELIPAD \$598,332
07/21/15	29127	Temsco Helicopters, Inc.		1,445	
07/22/15	PO1618DWNPMT	Vertex Structures, Inc.		5,419	
08/04/15	T2079301	Tyler Industrial Supply		131	
08/04/15	15812	Foam Concepts LLC		5,825	
08/12/15	S146WRA21N	Samson Tug & Barge		238	
09/09/15	2762290	Span Alaska Transportation, LLC		1,330	
09/11/15	150911001	Vertex Structures, Inc.		12,643	
10/07/15	WRA150072	Samson Tug & Barge		320	
<b>Total 241-13 Stream Gauge TYL</b>				<u>52,252</u>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>242-13 Reservoir Expansion SWL</b>			<b>\$763,736</b>		Refer to report from Director of Special Projects. (E.Wolfe / E.Schofield)
<b>AK DCCED Grant &gt;</b>			<b>(\$763,736)</b>		
06/30/12	\$ 151,421	FY12 Expenditures			
	\$ 421,782	FY13 Expenditures			
	\$ 394,811	FY14 Expenditures		-	
	\$ 525,020	FY15 Expenditures			
07/31/15	MAD4548-201507	"Bank of America		425	
07/31/15	WOL7101-201507	"Bank of America		149	
07/31/15	1514	Ascent Law Partners LLP		2,940	
08/09/15	5206	McMillen LLC		53,613	
08/19/15	1428	Miscellaneous Cash		(7)	
08/19/15	31550	Taquan Air		1,667	
08/20/15	227076	Best Western Landing Hotel		320	
08/28/15	121715	Van Ness Feldman PC		5,610	
08/31/15	1576	Ascent Law Partners LLP		2,835	
08/31/15	MAD4548-201508	"Bank of America		171	
08/31/15	WOL0389-201508	"Bank of America		114	
08/31/15	KDR201508	de Rubertis, Kim		6,774	
08/31/15	122120	Van Ness Feldman PC		1,367	
09/06/15	5294	McMillen LLC		90,926	
09/09/15	201508165	Kleinschmidt Associates Inc.		4,947	
09/15/15	1509S	Glenn Brewer Consulting Engineer		7,206	
09/17/15	90542894	Hatch Associates Consultants, Inc		6,228	
09/18/15	3305048	Daily Journal of Commerce		95	
09/25/15	90544837	Hatch Associates Consultants, Inc		5,004	
09/25/15	50967286	Tetra Tech Inc		5,810	
09/25/15	201509136	Kleinschmidt Associates Inc.		3,502	
09/27/15	101372120	Alaska Dispatch News		87	
09/30/15	ACT2263-201509	"Bank of America		410	
09/30/15	1638	Ascent Law Partners LLP		455	
10/04/15	5386	McMillen LLC		51,660	
10/15/15	4	Kollgaard Eric		450	
10/23/15	50981339	Tetra Tech Inc		695	
10/28/15	31700	Ketchikan Daily News		76	
10/30/15	329983	Daily Journal of Commerce		79	
10/30/15	201510145	Kleinschmidt Associates Inc.		1,436	
10/31/15	MKC201510	Morris Kepler Consulting LLC		3,280	
10/31/15	WOL0389-201508	"Bank of America		72	
10/31/15	5460	McMillen LLC		61,058	
<b>Total 242-13 Reservoir Expansion SWL</b>				<b>1,812,487</b>	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>248-14 Lathe TYL</b>			<b>\$42,000</b>		Vendor has been unresponsive; seeking delivery or refund. Expenditures expensed, working with legal.
06/30/14	\$ 16,823	FY14 Expenditures		-	
	\$ (16,823)	FY15 Expenditures		-	
<b>Total 248-14 Lathe TYL</b>				-	
<b>249-14 Marine Term Gage/Comm</b>			<b>\$148,498</b>		Pressure transducers, replacement gauges and software design to integrate marine terminal data. Engineering complete, materials received except solar panels. Installation dependent upon weather. (S.Henson)
	\$ 126,111	FY15 Expenditures			
07/21/15	AT10215	Automated Tool, Inc.		2,660	
07/24/15	15054	Segrity LLC		5,535	
07/29/15	59238	Struble Fluid Power		7,215	
07/31/15	15053	Segrity LLC		3,623	
08/10/15	374785	Ottesen's Inc		21	
08/10/15	419757	Sentry Hardware & Marine		31	
08/10/15	29251	Temsco Helicopters, Inc.		3,649	
08/11/15	59379	Struble Fluid Power		892	
08/11/15	29253	Temsco Helicopters, Inc.		3,648	
08/27/15	SHEH9DXNE9	Samson Tug & Barge		84	
08/31/15	15059	Segrity LLC		2,476	
08/31/15	N7578SURVY	Twin Eagle Consulting, LLC		11,650	
<b>Total 249-14 Marine Term Gage/Co</b>				167,595	
<b>251-14 Powerhs Roof Repair SWL</b>			<b>\$419,200</b>		Powerhouse Roof Repair at SWL. COMPLETE SEP 2015. (S.Henson / E.Schofield)
04/28/14	201	May Engineering Services LLC		913	
06/03/14	202	May Engineering Services LLC		875	
06/27/14	203	May Engineering Services LLC		625	
07/30/14	204	May Engineering Services LLC		738	
08/31/14	205	May Engineering Services LLC		713	
09/15/14	206	May Engineering Services LLC		250	
11/26/14	207	May Engineering Services LLC		1,015	
03/30/15	208	May Engineering Services LLC		673	
05/21/15	31043	Ketchikan Daily News		74	
06/04/15	30581	Taquan Air		935	
06/14/15	59121	Pilot Publishing, Inc.		64	
06/14/15	59114	Wrangell Sentinel		52	
08/31/15	CBC1	CBC Construction, Inc.		79,216	
08/31/15	31688	Taquan Air		935	
08/31/15	SCH3058-201508	"Bank of America		33	
09/04/15	88939	Pacific Airways Inc		700	
09/16/15	31915	Taquan Air		467	
09/24/15	31886	Taquan Air		935	
09/30/15	CBC2	CBC Construction, Inc.		347,869	
<b>Total 251-14 Powerhs Roof Repair</b>				437,080	

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>252-14 Submarine SpliceSpareTYL</b>			<b>\$213,000</b>		Existing spares being evaluated to determine portions that require replacement following specifications recommended by Poseidon Engineering. (S.Henson)
<b>Total 252-14 Submarine Splice SpareTYL</b>				-	
<b>255-14 Wood Helipad Repair SWL</b>			<b>\$103,489</b>		COMPLETE AUG 2015. (S.Henson)
	\$ 633	FY15 Expenditures		-	
08/25/15	29344	Temsco Helicopters, Inc.		871	
08/26/15	8213	Alaska Clearing Inc		95,000	
<b>Total 255-14 Wood Helipad Repair SWL</b>				96,504	
<b>256-15 Alarm Trip Protection SWL</b>			<b>\$221,500</b>		Two-year project; review sensors and relays, reliability and critical protection issue. Board awarded to Segrity (Mar 2015). Scheduled for completion summer of 2016. (E.Wolfe)
	\$ 611	FY15 Expenditures			
07/02/15	CD10215980	Minco Products, Inc.		528	
07/31/15	15050	Segrity LLC		2,318	
07/31/15	15050	Segrity LLC		2,318	
07/31/15	WOL7101-201507	"Bank of America		40	
08/31/15	15061	Segrity LLC		610	
08/31/15	15061	Segrity LLC		610	
09/29/15	15062	Segrity LLC		7,019	
10/06/15	15066	Segrity LLC		2,444	
10/06/15	15066	Segrity LLC		2,444	
10/31/15	15078	Segrity LLC		5,663	
<b>Total 256-15 Alarm Trip Protection SWL-TYL</b>				24,602	
<b>257-15 Pressure-Reducing Valve T</b>			<b>\$71,000</b>		System protection issue; affects camp and cooling water. Controls integrated with Cooling Water projects. Board awarded to Segrity (Mar 2015). (E.Wolfe)
10/31/15	15079	Segrity LLC		2,582	
<b>Total 257-15 Pressure-Reducing Valve TYL</b>				2,582	
<b>258-15 System Control Improveme</b>			<b>\$88,200</b>		Two-year project to increase reliability at both plants; coordinate facilities' operations. Board awarded to Segrity (Mar 2015). (E.Wolfe)
	\$ 28,766	FY15 Expenditures			
07/09/15	15049	Segrity LLC		5,513	
07/09/15	15049	Segrity LLC		5,513	
09/29/15	15063	Segrity LLC		9,716	
10/02/15	15072	Segrity LLC		3,250	
10/31/15	15074	Segrity LLC		2,798	
<b>Total 258-15 System Control Improvements SWL-TYL</b>				55,556	

## Southeast Alaska Power Agency

OCTOBER, 2015

## WORK-IN-PROGRESS R&amp;R CAPITAL PROJECTS

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>259-15 Turbine Shutoff Valves TYL</b>			<b>\$209,976</b>		Engineering review conducted by HDR, recommendations being implemented in FY16; spare parts purchased and remaining work to be performed by Tyee crew. (E.Wolfe)
	\$ 84,857	<i>FY15 Expenditures</i>			
07/09/15	241637	Frontier Shipping & Copyworks		54	
07/10/15	5986	Vigor Alaska LLC		1,296	
07/10/15	5985	Vigor Alaska LLC		1,333	
07/28/15	455600-H	HDR Alaska Inc.		2,796	
08/17/15	635469	Wesco Distribution		3,327	
08/25/15	458875H	HDR Alaska Inc.		13,601	
09/30/15	WOL0389-201509	"Bank of America		111	
10/14/15	M800	Vigor Alaska LLC		144	
<b>Total 259-15 Turbine Shutoff Valve TYL</b>				<b>107,520</b>	
<b>260-15 Exciters SWL</b>			<b>\$797,500</b>		Replaces 1997 generators; coordinate with RR261-15. Equipment delivery scheduled for December 2015. (E. Schofield)
	\$ 10,104	<i>FY15 Expenditures</i>		-	
08/20/15	2570592	Basler Electric Company		70,123	
09/23/15	2572802	Basler Electric Company		105,185	
<b>Total 260-15 Exciters SWL</b>				<b>185,412</b>	
<b>261-15 Generator Switch Gear SW</b>			<b>\$881,000</b>		Replace existing gear; includes spare breaker. Coordinate with RR260-15. Equipment being manufactured with March 2016 delivery scheduled. (E.Schofield)
	\$ 9,773	<i>FY15 Expenditures</i>		-	
<b>Total 261-15 Generator Switch Gear SWL</b>				<b>9,773</b>	
<b>262-16 Manlifts SWL-TYL</b>			<b>\$130,000</b>		Manlift for each project to safely access switchyard equipment, high-bay lighting and general building maintenance. Manlift delivered to Tyee with safety and operator training complete; in service. Training underway at Swan Lake pending barge delivery to site in December. (E.Schofield)
07/20/15	31298	Ketchikan Daily News		34	
07/20/15	31298	Ketchikan Daily News		34	
08/14/15	59525	Pilot Publishing, Inc.		29	
08/14/15	59525	Pilot Publishing, Inc.		29	
08/14/15	59505	Wrangell Sentinel		23	
08/14/15	59505	Wrangell Sentinel		23	
09/22/15	24724	Tyler Rental, Inc.		65,900	
09/22/15	24725	Tyler Rental, Inc.		63,900	
09/30/15	MAD4548-201509	"Bank of America		457	
09/30/15	MAD4548-201509	"Bank of America		457	
09/30/15	SCH3058-201509	"Bank of America		157	
09/30/15	SCH3058-201509	"Bank of America		157	
10/08/15	SCH201509	.Schofield, Ed		2	
<b>Total 262-16 Manlifts SWL-TYL</b>				<b>131,202</b>	
<b>263-16 CTs-Relay WRG Circuit Swt</b>			<b>\$201,000</b>		Additional protection-control relays and current-sensing equipment in the Wrangell switchyard. (S.Henson)
				-	

## Southeast Alaska Power Agency

OCTOBER, 2015

## WORK-IN-PROGRESS R&amp;R CAPITAL PROJECTS

Date	Num	Vendor	FY16 BUDGET \$	Expenditures	Description
<b>264-16 Cooling System TGB SWL</b>			<b>\$130,000</b>		Closed-loop heat exchanger cooling system for Swan Lake Unit 1 and Unit 2 turbine guide bearings. Equipment scheduled for delivery by Thermotech Corp. in December. January tentative installation. (E.Schofield)
08/04/15	T2079301	Tyler Industrial Supply		95	
09/15/15	7495	Electric Power Systems Inc.		2,769	
10/13/15	7761	Electric Power Systems Inc.		3,972	
10/19/15	41550730	McMaster-Carr		298	
10/31/15	8085	Electric Power Systems Inc.		6,446	
				<u>13,580</u>	
<b>265-16 Marker Balls OHL TYL</b>			<b>\$600,596</b>		Replacement of original marker balls in the Tyee transmission line. Preparing RFPs for spring 2015. (S.Henson)
				<u>-</u>	
<b>266-16 Pickup KTN</b>			<b>\$38,275</b>		New pickup in Ketchikan for contractor use; sending current KTN pickup to Tyee to replace pickup that will be disposed. Vehicle ordered Oct 2015. (T.Acteson)
10/31/15	ACT3225-201510	"Bank of America		1,000	
				<u>1,000</u>	
<b>267-16 Roof-Siding Housing TYL</b>			<b>\$120,770</b>		Replace roofing on Tyee Lake employee housing (3) and crew quarters; vinyl siding on employee housing (3). Preparing RFPs for spring 2015. (S.Henson)
				<u>-</u>	
<b>268-16 Vehicle SWL</b>			<b>\$20,000</b>		Used 4-wheel drive, 8-9 passenger vehicle for use at Swan Lake during reservoir expansion construction. (T.Acteson)
				<u>-</u>	
<b>269-16 Guy Thimbles STI</b>			<b>\$204,000</b>		Replace guy thimbles on STI. Preparing RFPs for spring 2015. (S.Henson)
				<u>-</u>	
<b>270-16 Dampeners OHL TYL</b>			<b>\$99,900</b>		Replacement of 180 dampeners on Tyee transmission line. Preparing RFPs for spring 2015. (S.Henson)
				<u>-</u>	
<b>Total WIP R&amp;R Capital Projects</b>			<b>\$ 8,166,540</b>	<b>\$ 6,563,886</b>	

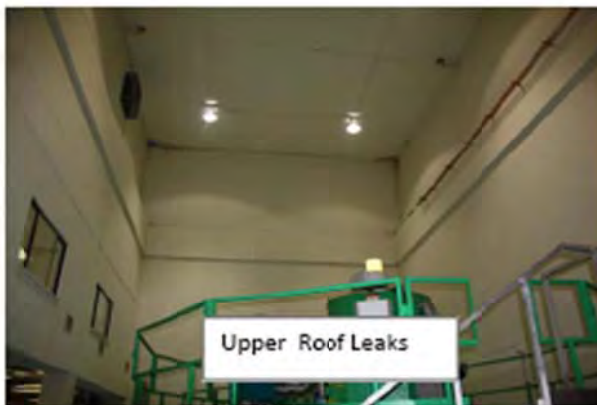


**FY2016 R&R PROJECT**  
**CLOSED - RR251-14**  
 POWER HOUSE ROOF SWL

Project	<b>POWER HOUSE ROOF – Swan Lake</b>		
Description	Swan Lake Power House Roof Membrane		
Current Cost Estimate:	<b>\$425,000</b>	Start Date:	JUL 2013
Actual Cost:	\$437,080	Completion Date:	SEP 2015
Project Management: Ed Schofield			
<b>Project Discussion</b>			
<p>Water is leaking through the existing roof membrane in several places, including directly over the generators. The membrane system has leaked since installation 15 years ago and has deteriorated since. The roof was assessed by R&amp;M Engineering-Ketchikan, and they recommended replacing the membrane roof system. A large retired antenna structure on the upper roof will be removed during construction to improve access and roof integrity.</p> <p>This project went out for bid on May 23 and includes a requirement for completion by Sep 30, 2015; bids are due on June 23.</p>			

<b>Project Cost Estimate</b>					
DESCRIPTION	COST EST.	VENDOR	BUDGET REQUEST		SPENT
Labor	\$109,400		Approved FY14	\$399,900	\$913
Material	123,500		Approved FY15	398,987	4,887
Mobilization/Demob.	30,000		<b>Requested FY16</b>	<b>\$419,200</b>	
Profit/Overhd/Bond	56,144				
Contingency 20%	58,808				
Design/Engineer	23,524				
Construction admin/Inspection	23,524				
Total	\$424,900				\$5,800
<b>Project Cost Estimate Discussion</b>					
<p>The FY14 approved budget estimate of \$399,900 was based on a report from R&amp;M Engineering-Ketchikan. Design changes to include the parapet wall, parapet caps, removal and disposal of retired rooftop structure, have increased scope and cost estimate.</p>					

Powerhouse Roof Inspection



**FY2016 R&R PROJECT**  
**CLOSED - RR251-14**  
**POWER HOUSE ROOF SWL**

The powerhouse roof assembly is constructed with precast concrete roof panel with grouted panel edges. The panels are attached to the powerhouse sidewalls with cast in place concrete hoops. Below is a detail of the assembly. Several inches of rigid foam was placed directly over the concrete then sealed with an EPDM membrane roof. The membrane was run up the perimeter walls and sealed with a mastic sealant. Evidence of multiple repairs to the membrane was visible in many areas. According to staff, the roof slowly leaks and water collects in the foam and against the concrete panels. When warm weather occurs the expansion of the foam and membrane allows water to flow to the panel edges and penetrations such as the hatch and water pours out of the seams. KPU staff has constructed makeshift interior gutters that collect dripping water into buckets that they can empty. Our inspection was performed during cold rainy conditions and no dripping water was visible at the time. Staff indicated that the amount of water leaking in has greatly increased in the past year. According to staff, the original roof membrane was replaced after approximately 15 years in the late 1990's. The current membrane is also about 15 years old and likely at the end of its useful life.



We contacted CBC Construction of Sitka Alaska and spoke to Chris Balovich about expected membrane life as well as replacement costs. Chris is certified for EPDM Roof Systems and PVC Membrane Roof Systems with both Firestone and Johns Manville. He recommended the new alternative to the EPDM Membrane Roofing which is PVC Membrane Roofing. EPDM Membrane roofing over the years in Southeast Alaska has had many problems with birds pecking away at it as well as premature failures primarily due to degradation from wind and rain. CBC

Construction has completed many projects with the PVC Membrane Roof System in Ketchikan such as the Aquatic Center, the City of Ketchikan Fire Station. The PVC membranes appear to have a longer life than the EPDM membrane systems and they have been most often specified for our region

Powerhouse Roof - Membrane Roof Replacement		LABOR	MATL	SUB		SUB
	QTY UNIT	RATE:	UNIT:	CONT	FREIGHT	TOTAL:
Mobilization	1 LS		\$ -	\$ -	\$ 15,000	\$ 15,000
Prepare Roof for New Roof Membrane System	80 MH	\$ 85	\$ -	\$ -	\$ -	\$ 6,800
Lower Roof Replacement - All In Costs	2500 SF	\$ 15	\$ 15	\$ -	\$ -	\$ 75,000
Upper Roof Replacement - All In Costs	4000 SF	\$ 15	\$ 15	\$ -	\$ -	\$ 120,000
Caulking at Concrete Joint at Wall to Roof Connection	1 LS		\$ 1,000	\$ -	\$ -	\$ 1,000
Caulking at Concrete Joint at Wall to Roof Connection	60 MH	\$ 85	\$ -	\$ -	\$ -	\$ 5,100
Demobilization	1 LS	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000
						\$ 237,900
Assumptions for Projects:		General Contractor Profit		10.0%		\$ 23,790
1. Housing is Provided by Seapa		Overhead/Insurance		10.0%		\$ 23,790
		Payment/Performance Bonding		3.0%		\$ 8,564
						\$ 294,044
		Design Architecture & Engineering		8.0%		\$ 23,524
		Construction Administration & Inspection		8.0%		\$ 23,524
		Contingency		20.0%		\$ 58,809
						Total \$399,900



**FY2016 R&R PROJECT**  
**CLOSED - RR251-14**  
**POWER HOUSE ROOF SWL**

**Swan Lake Powerhouse Re-roofing Project Summary**  
**October 6, 2015**

The demolition of the old Swan Lake (SWL) Powerhouse roofing system started on September 2, 2015. The project was completed on September 26, 2015. Conditions found within the old roofing system were worse than originally anticipated.

The old roofing system consisted of two complete roofing systems one on top of the other. The first roofing system installed at the time of construction (1983) was a Hot Mop tar and ballast system. This consisted of a hot tar moisture barrier over concrete substrate, sloped poly insulation and a 1/4-inch paper cover board sealed with Hot Mop tar and covered with ballast (1/4 aggregate). The outer perimeter of this system was turned up and glued and sealed with tar to the midpoint of the inside concrete parapet walls.

Apparently, this original roofing system started to fail a few years after installation. In 1994, the Alaska Power Authority (APA) installed a Kemperol roofing membrane system over the original Hot Mop system, (contractor reported having to pump several hundred gallons of water from under roofing system in 1994). At the time the new roofing system was installed, it was thought that the water found within the original roofing system was due to condensation. To correct the condensation, problem roof vents were added and installed.

The Kemperol membrane system consisted of sack concrete spread over the original ballast and a cover board and membrane cover. This system was also adhered with epoxy glue only to the outer perimeters and midpoint of the inside parapet wall. It was apparent when removing the old roofing materials that both the original Hot Mop and the Kemperol systems had failed at the perimeter fastening point to the parapet wall. Not only had the fastening points on the parapet wall failed to seal, moisture was traveling through the porous surface of the concrete of the parapet walls, (three inches of standing water was found within the old roofing system).

The powerhouse roof substrate is made of 6-inch precast concrete panels with a 3-inch grout topping. Over time, moisture made its way through the exposed concrete parapet walls and pooled under the poly insulation on top of the hot tar moisture barrier applied to the concrete grout surface. This explains why the roof would leak on sunny days only; as the roof materials heated up, the materials and water would expand, creating pressure and forcing water through expanding cracks in the 3-inch grout cover and then through pre-cast panel joints.

Both of the old roofing systems may have functioned properly if the systems would have at least been mechanically fastened, flashed and adhered to the midpoint of the parapet walls, and had the walls of the powerhouse been periodically cleaned with concrete sealer reapplied.

The new PVC roofing system now raps over the top of the parapet wall, a cap flashing was installed, the entire powerhouse concrete walls were power washed. and water-repellant sealer was applied. Applying sealer in the future should be an ongoing preventative maintenance measure, "at least every 5 years".

**FY2016 R&R PROJECT**  
**CLOSED - RR251-14**  
POWER HOUSE ROOF SWL

After completion of the new roofing system to assurance quality, the PVC membrane underwent an electronic leak detection test, which tests for penetrations in the PVC membrane. This test was performed by Trinity ERD of Seattle. The roofing system also underwent a quality assurance inspection by a Johns Manville (Roofing Material Manufacturer) representative. The Trinity testing report indicated that no leaks were detected and the manufacturer's report indicated no defects or deficiencies found.

One change order was issued on this project due to the additional time required to saw cut and remove the concreted ballast which was 1.5 inches to 3 inches in depth (not indicated on drawings or plans) and the additional disposal weights contributed to the concreted ballast and water soaked poly insulation material. See before and after photos attached.



**Before: Old Roofing System**



**Before: Removing Old Roofing System**

**Note the amount of water on substrate. This is after draining 3 inches of water by opening roof drains.**



**Before:**

**Sawing concreted ballast was required to remove the old roofing systems.**



**Before:**

**Removal of the last of the water requires shop vacuuming. Note the number of repair patches along the perimeter of the parapet walls.**



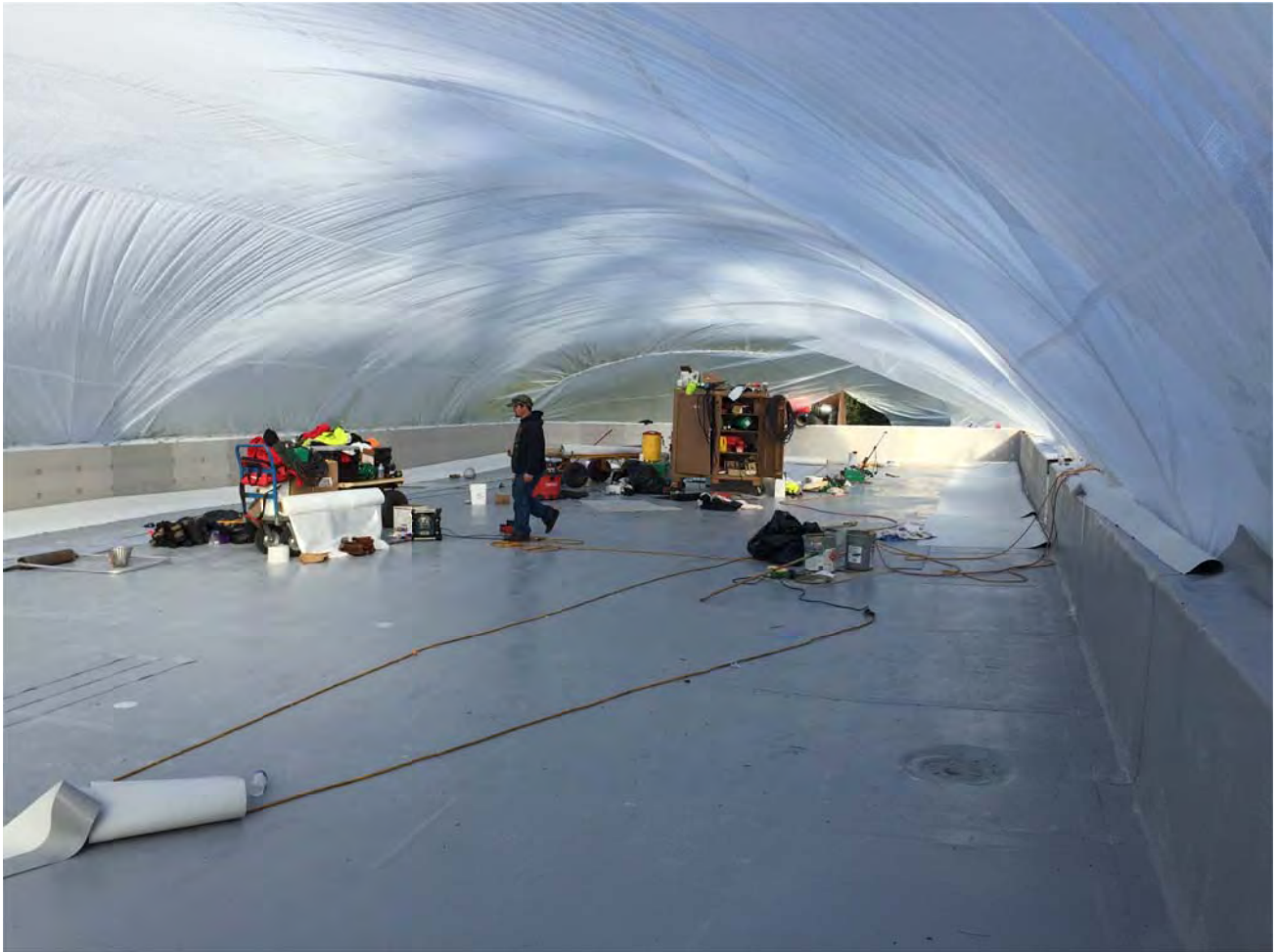
**Before and After:**

**Parapet walls power washed and concrete sealer applied. Note: The coarseness of the concrete surface. Concrete was wicking water to the old roofing system. Removal of the old roofing system is in progress in the photo.**



**After:**

**Removal of old roofing systems and cleanup is complete. The new roofing system is being installed.**



**After:**

**PVC membrane installed under cover of tent to keep moisture out of underlayment materials.**



**After:**

**New PVC roofing system complete. Note: Parapet walls are covered and flashed.**



**After:**

**Electronic leak detection testing - no deficiencies found.**

**FY2016 R&R PROJECT**  
**CLOSED - RR251-14**  
 POWER HOUSE ROOF SWL



**After: Project Complete**

251-14 Powerhs Roof Repair SWL			\$419,200
04/28/14	201	May Engineering Services LLC	913
06/03/14	202	May Engineering Services LLC	875
06/27/14	203	May Engineering Services LLC	625
07/30/14	204	May Engineering Services LLC	738
08/31/14	205	May Engineering Services LLC	713
09/15/14	206	May Engineering Services LLC	250
11/26/14	207	May Engineering Services LLC	1,015
03/30/15	208	May Engineering Services LLC	673
05/21/15	31043	Ketchikan Daily News	74
06/04/15	30581	Taquan Air	935
06/14/15	59121	Pilot Publishing, Inc.	64
06/14/15	59114	Wrangell Sentinel	52
08/31/15	CBC1	CBC Construction, Inc.	79,216
08/31/15	31688	Taquan Air	935
08/31/15	SCH3058-201508	"Bank of America	33
09/04/15	88939	Pacific Airways Inc	700
09/16/15	31915	Taquan Air	467
09/24/15	31886	Taquan Air	935
09/30/15	CBC2	CBC Construction, Inc.	347,869
<b>Total 251-14 Powerhs Roof Repair</b>			<b>437,080</b>

Project	WOODEN HELIPAD REPAIR – Swan Lake				
Description	Repair, replace and install helipads on the Swan Lake transmission line				
Current Cost Estimate:	\$104,000	Start Date:	JUL 2013		
Actual Cost:	\$96,504	Completion Date:	AUG 2015		
Project Management: Steve Henson					
Project Discussion					
<p>There are 10 helipads on the Swan Lake transmission line that are 30 years old and the wood decking has deteriorated to the point of needing replacement along with the need to recoat the steel structural members.</p> <p>The project was completed by Alaska Clearing in August 2015 and inspected by SEAPA staff. Timbers were replaced, cable clamps were replaced, strain guys were tensioned and brush was cleared for a 30 foot radius around the pads.</p>					
Project Cost Estimate					
DESCRIPTION	COST	VENDOR	BUDGET REQUEST		SPENT
Labor, Repair Existing (est.)	\$42,750		Approved FY14	\$154,000	\$0
Material	5,000		Approved FY15	\$104,000	\$633
Helicopter (15 days est.)	50,137		Carry-Forward FY16	\$103,489	\$95,871
Design/Engineer.	3,000				0
Proj. Mgmt/Inspect.	2,500				0
Total	\$103,387		Total		\$96,504
Project Cost Estimate Discussion					
<p>Bids were due May 26, and a contract bid will be presented for board approval at the June 10 meeting. The FY16 request represents a carry-forward of the approved FY15 unspent balance.</p>					

<b>255-14 Wood Helipad Repair SWL</b>				<b>Costs</b>
08/12/14	28067	Temsco Helicopters, Inc.		446
05/07/15	30971	Ketchikan Daily News		65
05/26/15	58946	Wrangell Sentinel		61
05/26/15	58945	Pilot Publishing, Inc.		61
08/25/15	29344	Temsco Helicopters, Inc.		871
08/26/15	8213	Alaska Clearing Inc		95,000
<b>Total 255-14 Wood Helipad Repair SWL</b>				<b>\$ 96,504</b>



# SOUTHEAST ALASKA POWER AGENCY

## SEPTEMBER, OCTOBER & NOVEMBER 2015 DISBURSEMENTS

Accounts	Total
Revenue Fund . . . . .	\$ 1,538,654.58
R&R Fund . . . . .	\$ 2,005,627.58
New Generation Fund . . . . .	\$ 1,477.43
<b>TOTAL</b>	<b><u>\$ 3,545,759.59</u></b>

SUGGESTED MOTION
I move to approve disbursements for the months of September, October & November 2015 in the amount of \$3,545,759.59.

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
90871604	ABB Inc.	-	5,000.63	
90871605	ABB Inc.	-	43.87	
1428616	Ace Industrial Supply	284.90		
8213	Alaska Clearing Inc	-	95,000.00	
1369422	Alaska Dispatch News	79.68		
I01372120	Alaska Dispatch News	87.15		
APCM201508	Alaska Permanent Capital Inc	1,659.53		
APCM201510	Alaska Permanent Capital Inc	1,663.23		
APCM201509	Alaska Permanent Capital Management	1,663.62		
AcctWkshp	Alaska Power Association	400.00		
9004914029	Allied Electronics, Inc.	422.67		
1491	Alpine Mini Mart	22.14		
2015170	Andritz Hydro Corp		73,650.00	
219	AP&T Wireless, Inc.	756.17		
03749	Arrowhead LP Gas WRG	25.84		
1576	Ascent Law Partners LLP	2,835.00		
1577	Ascent Law Partners LLP	3,465.00		
1578	Ascent Law Partners LLP	4,970.00		
1638	Ascent Law Partners LLP	455.00		
1639	Ascent Law Partners LLP	5,390.05		
1640	Ascent Law Partners LLP	1,120.00		
1674	Ascent Law Partners LLP	350.00		
1675	Ascent Law Partners LLP	3,150.00		
1676	Ascent Law Partners LLP	3,902.00		
I829865	Austin Powder	350.00		
TO15111-2	BAM LLC		427,895.00	
2570592	Basler Electric Company		70,123.40	
2570936	Basler Electric Company	495.58		
2572802	Basler Electric Company	-	105,185.10	
51266	Bay Company Enterprises, LLC	16.80		
51345	Bay Company Enterprises, LLC	215.70		
230960	Best Western Landing Hotel	-	160.00	
230961	Best Western Landing Hotel	-	160.00	
227076	Best Western Landing Hotel	320.00		
231295	Best Western Landing Hotel	-	488.96	
231296	Best Western Landing Hotel	-	280.00	
231277	Best Western Landing Hotel	165.00		
231940	Best Western Landing Hotel	165.00		
234447	Best Western Landing Hotel		141.99	
234501	Best Western Landing Hotel		141.99	
23088	Buness Bros. Inc.	1,000.00		

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
CAM201510	Cambria Properties LLC	1,475.00		
CAM201511	Cambria Properties LLC	1,475.00		
CAM201512	Cambria Properties LLC	1,475.00		
113	Cape Fox Lodge	215.00		
130551	Carlos Tree Service, Inc.	75,888.96		
CBC1	CBC Construction, Inc.	-	79,216.00	
CBC2	CBC Construction, Inc.	-	347,869.00	
82326	Channel Electric	-	850.81	
127047	City Market	261.34		
123352	City Market	157.91		
124092	City Market	196.86		
214854	City Market	121.41		
127251	City Market	107.88		
207953	City Market	25.38		
209646	City Market	48.72		
43276	Commonwealth Associates, Inc.	84.50		
43615	Commonwealth Associates, Inc.	84.50		
43894	Commonwealth Associates, Inc.	380.25		
44292	Commonwealth Associates, Inc.	42.25		
3305048	Daily Journal of Commerce	94.60	-	
329983	Daily Journal of Commerce	79.20		
KDR201508	de Rubertis, Kim	6,774.00		
XJRJMDDD4	Dell		3,446.37	
IN000112	Delta Star Inc	-	788.44	
2401965IN	Delta Western Inc	16,292.55		
10734	DHittle & Associates, Inc.	3,440.00		
10787	DHittle & Associates, Inc.	3,440.00		
7379	Electric Power Constructors	9,150.00		
7742	Electric Power Constructors		5,650.00	
7878	Electric Power Constructors		215,535.69	
7904	Electric Power Constructors		5,650.00	
7394	Electric Power Systems Inc.	12,151.50		
7487	Electric Power Systems Inc.		288.00	
7495	Electric Power Systems Inc.	-	2,769.00	
7758	Electric Power Systems Inc.		9,212.49	
7761	Electric Power Systems Inc.		3,971.88	
7961	Electric Power Systems Inc.	756.00		
151601	Extreme Access, Inc	22,190.78		
AKKET11012	Fastenal	-	577.44	
512685902	FedEx	90.86		
514911611	FedEx	109.97		
FB20151013	First Bank	135.00		
23721	First City Electric, Inc.	359.16		
15812	Foam Concepts LLC	-	5,825.39	
4147	Freeman & Sons Machine and Fabrication	652.70		
245001	Frontier Shipping & Copyworks	28.50		
245726	Frontier Shipping & Copyworks	218.10		
246088	Frontier Shipping & Copyworks	115.00		
247121	Frontier Shipping & Copyworks	34.40		
230	Full Cycle LLC	1,617.25		
80178	Futaris Inc	6,145.00		
80224	Futaris Inc	6,145.00		
80270	Futaris Inc	6,145.00		
SEAPA00615	G2Risk Consulting	1,014.00		
SEAPA00715	G2Risk Consulting	516.75		
SEAPA00815	G2Risk Consulting	1,072.50		
73814	GCSIT Solutions	19,429.00		
74117	GCSIT Solutions	359.00		

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
63313065	GE Capital	32.22		
63391625	GE Capital	595.00		
63527211	GE Capital	595.00		
63713407	GE Capital	595.00		
1509S	Glenn Brewer Consulting Engineer	7,206.09		
9811596023	Grainger	2,540.34		
9815379475	Grainger	1,155.94		
9817097687	Grainger	138.80		
9818265861	Grainger	2,691.00		
9826373681	Grainger	313.60		
9832155932	Grainger	446.62		
9854863967	Grainger	159.00		
9855002862	Grainger	129.95		
9855515038	Grainger	1,236.82		
9855515046	Grainger	332.40		
9857334073	Grainger	104.40		
371483	Hammer & Wikan	11.98		
371496	Hammer & Wikan	24.61		
90542894	Hatch Associates Consultants, Inc	6,228.00		
90544837	Hatch Associates Consultants, Inc	5,004.00		
455600-H	HDR Alaska Inc.	-	2,795.90	
458875H	HDR Alaska Inc.	-	13,601.21	
4253	I Even Do Windows	300.00		
4294	I Even Do Windows	300.00		
4328	I Even Do Windows	300.00		
44490	Johnson's Building Supply		750.00	
784453	Ketchikan City of 334	12.50		
31475	Ketchikan Daily News	63.25		
31678	Ketchikan Daily News	67.35		
31700	Ketchikan Daily News	75.55		
KGB201510	Ketchikan Gateway Borough	3,984.75		
KGB201511	Ketchikan Gateway Borough	3,984.75		
KGB201512	Ketchikan Gateway Borough	3,984.75		
201508165	Kleinschmidt Associates Inc.	4,947.10		
201509136	Kleinschmidt Associates Inc.	3,502.00		
201509137	Kleinschmidt Associates Inc.	1,318.92		
4	Kollgaard Eric	450.00		
LH20150922	Liv and Heidis Kjekken Catering	889.72		
LK201510	LK Storage & Rentals	78.00		78.00
LK201511	LK Storage & Rentals	78.00		78.00
LK201512	LK Storage & Rentals	78.00		78.00
95564	LNM Services	75.71		
95586	LNM Services	65.03		
95593	LNM Services	60.55		
95617	LNM Services	91.15		
95629	LNM Services	68.27		
95665	LNM Services	67.61		
95678	LNM Services	72.99		
95689	LNM Services	63.91		
95717	LNM Services	92.57		
95738	LNM Services	62.25		
95782	LNM Services	79.75		
95802	LNM Services	128.85		
95807	LNM Services	24.03		
95816	LNM Services	79.21		
95844	LNM Services	95.28		
163171	Madison Lumber & Hardware Inc	9.49		
288841673193	Marsh USA Inc.	96,152.00		

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
288843561665	Marsh USA Inc.	15,000.00		
288845580696	Marsh USA Inc.	6,160.00		
240052312517	Marsh USA Inc.	216.00		
410	May Engineering Services LLC	3,037.50		
606	May Engineering Services LLC	13,011.04		
36136858	McMaster-Carr	671.49		
36460838	McMaster-Carr	137.21		
38020781	McMaster-Carr	1,144.43		
40046657	McMaster-Carr	238.06		
41550730	McMaster-Carr		297.65	
41752720	McMaster-Carr		90.45	
5201	McMillen LLC	57,752.33		
5206	McMillen LLC	53,612.50		
5293	McMillen LLC	62,027.56		
5294	McMillen LLC	90,926.00		
5201	Meridian Environmental	3,238.00		
5240	Meridian Environmental	3,990.00		
5268	Meridian Environmental	5,369.00		
MKC201509	Morris Kepler Consulting LLC	4,065.50		
MKC201510	Morris Kepler Consulting LLC	3,280.29		
15030093	NK Electric, Inc.		400.50	
S6782454001	North Coast Electric Company		10,870.86	
S6782454002	North Coast Electric Company		2,995.40	
S6782454003	North Coast Electric Company		764.19	
S6782454004	North Coast Electric Company		612.60	
AUG15DEFC2684	NRECA 758777 Deferred	1,000.00		
15090630	NRECA 798185 Group Ins	15,853.27		
15100630	NRECA 798185 Group Ins	15,853.27		
15110630	NRECA 798185 Group Ins	15,853.27		
15090630A	NRECA 798324 Group Ins Admin	1,410.39		
15100630A	NRECA 798324 Group Ins Admin	1,410.39		
15110630A	NRECA 798324 Group Ins Admin	1,410.39		
15098044A	NRECA 798330 RSP Admin	516.44		
15108044A	NRECA 798330 RSP Admin	516.44		
15118044A	NRECA 798330 RSP Admin	516.44		
375119	Ottesen's Inc	19.16		
375246	Ottesen's Inc	61.98		
375614	Ottesen's Inc	61.94		
376113	Ottesen's Inc	42.94		
376270	Ottesen's Inc	10.74		
376838	Ottesen's Inc	30.98		
376870	Ottesen's Inc	66.27		
376969	Ottesen's Inc	131.95		
377084	Ottesen's Inc	-	13.60	
377291	Ottesen's Inc	-	113.97	
377357	Ottesen's Inc	9.58		
377463	Ottesen's Inc	7.16		
377524	Ottesen's Inc	141.98		
377527	Ottesen's Inc	(141.98)		
377529	Ottesen's Inc	46.37		
378326	Ottesen's Inc	17.99		
378485	Ottesen's Inc	41.98	26.00	
378771	Ottesen's Inc	20.97		
378772	Ottesen's Inc	59.98		
378893	Ottesen's Inc	219.98		
379018	Ottesen's Inc	36.51		
88741	Pacific Airways Inc	280.00		
88741	Pacific Airways Inc	420.00		

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
88939	Pacific Airways Inc		699.60	
169	Petersburg Bottled Gas	24.00		
33340	Petersburg Bottled Gas	49.00		
43207	Petro Marine Services-WRG	661.95		
44879	Petro Marine Services-WRG	418.75		
45125	Petro Marine Services-WRG	462.60		
59525	Pilot Publishing, Inc.	-	28.69	
59525	Pilot Publishing, Inc.	-	28.69	
59787	Pilot Publishing, Inc.	59.50		
201509	Pure Alaskan Water	37.30		
142718007	R&M Engineering-Ketchikan	1,770.00		
719	Ray Matiasowski & Associates	4,000.00		
729	Ray Matiasowski & Associates	4,000.00		
739	Ray Matiasowski & Associates	4,000.00		
325738	Red Seal Electric Co.	3,882.10		
S146WRA21N	Samson Tug & Barge	-	237.96	
SHEH9DXNE9	Samson Tug & Barge		83.73	
S148KET09S	Samson Tug & Barge	110.35		
S156KET05I	Samson Tug & Barge	-	82.30	
S156WRA02I	Samson Tug & Barge	74.90		
S161KET66N	Samson Tug & Barge	105.35		
S161KET01I	Samson Tug & Barge	74.90		
S160WRA02I	Samson Tug & Barge	1,087.39		
WRA150072	Samson Tug & Barge		640.00	
S163KET01I	Samson Tug & Barge	74.90		
S163KET02I	Samson Tug & Barge	405.53		
S164WRA09N	Samson Tug & Barge		500.23	
S165WRA19N	Samson Tug & Barge		742.61	
KET150458	Samson Tug & Barge	112.35		
S167WRA16N	Samson Tug & Barge		64.20	
S169KET03I	Samson Tug & Barge	74.90		
411182	Satellite & Sound Inc	1,351.75		
411183	Satellite & Sound Inc	573.48		
914110201A	Scandia House Hotel	120.00		
914110202A	Scandia House Hotel	120.00		
914110203A	Scandia House Hotel	123.00		
914110301A	Scandia House Hotel	120.00		
914110302A	Scandia House Hotel	120.00		
914110303A	Scandia House Hotel	120.00		
914110306A	Scandia House Hotel	110.00		
914110307A	Scandia House Hotel	110.00		
914110309A	Scandia House Hotel	113.00		
914110310A	Scandia House Hotel	120.00		
914110315A	Scandia House Hotel	113.00		
315448	SE Business Machines	436.00		
315452	SE Business Machines	12,921.90		
315453	SE Business Machines	8,720.20		
315454	SE Business Machines	2,790.00		
15059	Segrity LLC		2,476.36	
15060	Segrity LLC		27,194.97	
15061	Segrity LLC		12,064.37	
15062	Segrity LLC		7,019.47	
15063	Segrity LLC	-	19,432.53	
15068	Segrity LLC		5,437.50	
15069	Segrity LLC	870.00		
15072	Segrity LLC		6,499.77	
15064	Segrity LLC		4,946.06	

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
15065	Segrity LLC		3,904.47	
15066	Segrity LLC		4,887.50	
15067	Segrity LLC		11,002.50	
15073	Segrity LLC	18,313.66		
15077	Segrity LLC		2,902.50	
15074	Segrity LLC		5,595.48	
15078	Segrity LLC		5,662.50	
15079	Segrity LLC		10,327.50	
420096	Sentry Hardware & Marine	39.10		
421415	Sentry Hardware & Marine	91.38		
421444	Sentry Hardware & Marine	25.99		
421675	Sentry Hardware & Marine	-	5.50	
422144	Sentry Hardware & Marine	11.98		
422774	Sentry Hardware & Marine	14.66		
422808	Sentry Hardware & Marine	18.99		
422930	Sentry Hardware & Marine	22.76		
564567	Southeast Auto & Marine Parts, Inc	35.00		
565944	Southeast Auto & Marine Parts, Inc	143.00		
566177	Southeast Auto & Marine Parts, Inc	212.06		
201508	Southeast Embroidery & Design	91.00		
91376R	Southern States LLC		11,000.00	
2762290	Span Alaska Transportation, LLC		2,660.69	
3604	Stikine Inn	114.00		
3622	Stikine Inn		453.00	
1504	Stikine Transportation	9,036.00	2,418.00	
52355	Sunrise Aviation Inc	3,770.00		
52392	Sunrise Aviation Inc	-	890.00	
52388	Sunrise Aviation Inc	20.00		
52393	Sunrise Aviation Inc	1,440.00		
52397	Sunrise Aviation Inc	577.50	577.50	
52403	Sunrise Aviation Inc	685.00		
52407	Sunrise Aviation Inc	435.00		
52406	Sunrise Aviation Inc	495.00		
52408	Sunrise Aviation Inc	435.00		
52417	Sunrise Aviation Inc	4,105.00		
52444	Sunrise Aviation Inc	870.00		
52436	Sunrise Aviation Inc	3,770.00		
31335	Taquan Air		467.45	
31499	Taquan Air	467.45		
31504	Taquan Air	467.45		
31550	Taquan Air	1,667.45		
31688	Taquan Air		934.90	
31721	Taquan Air		556.00	
31737	Taquan Air		556.00	
31917	Taquan Air	-	695.00	
31915	Taquan Air	-	467.45	
31918	Taquan Air	-	1,390.00	
31884	Taquan Air	467.45		
31886	Taquan Air	-	934.90	
31994	Taquan Air		685.00	
32058	Taquan Air	467.45		
29275	Temsco Helicopters, Inc.	3,156.65		
29276	Temsco Helicopters, Inc.	4,136.30		
29251	Temsco Helicopters, Inc.	-	3,648.52	
29272	Temsco Helicopters, Inc.	3,632.00		
29253	Temsco Helicopters, Inc.	-	3,648.42	
29254	Temsco Helicopters, Inc.	559.11	559.11	
29301	Temsco Helicopters, Inc.	2,299.10		

# SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
29257	Temsco Helicopters, Inc.	6,112.90		
29302	Temsco Helicopters, Inc.	4,354.00		
29303	Temsco Helicopters, Inc.	1,632.75		
29267	Temsco Helicopters, Inc.	-	2,183.81	
29295	Temsco Helicopters, Inc.	1,243.42	-	1,243.43
29344	Temsco Helicopters, Inc.		870.80	
29462	Temsco Helicopters, Inc.	1,741.60		
29463	Temsco Helicopters, Inc.	1,741.60		
29469	Temsco Helicopters, Inc.	1,024.23	1,024.23	
29531	Temsco Helicopters, Inc.		2,998.76	
50943704	Tetra Tech Inc	-	135.20	
50957024	Tetra Tech Inc	17,896.93		
50967284	Tetra Tech Inc	16,580.46		
50967286	Tetra Tech Inc	5,810.08		
50981337	Tetra Tech Inc	17,103.48		
50981339	Tetra Tech Inc	695.05		
17187	TexRus	2,803.00		
17330	TexRus	3,074.80		
590	Tides Inn	1,430.00		
642940	Tongass Business Center	536.94		
642941	Tongass Business Center	57.02		
643530	Tongass Business Center	20.18		
657590	Tongass Business Center	53.06		
655000	Tongass Business Center	212.97		
669000	Tongass Business Center	192.25		
669550	Tongass Business Center	74.75		
668990	Tongass Business Center	217.39		
669001	Tongass Business Center	164.25		
669002	Tongass Business Center	20.70		
682680	Tongass Business Center	140.66		
682681	Tongass Business Center	40.52		
682682	Tongass Business Center	25.03		
1320127	Tongass Engineering		25,468.75	
Final Pmt	Touchdown Enterprises		145,687.50	
6B146482B	Travelers	46,521.00		
N7578SURVY	Twin Eagle Consulting, LLC		11,649.51	
T2121401	Tyler Industrial Supply	1,279.80		
24724	Tyler Rental, Inc.	-	65,900.00	
24725	Tyler Rental, Inc.	-	63,900.00	
122498	Van Ness Feldman	6,290.51		
121715	Van Ness Feldman PC	5,609.54		
121716	Van Ness Feldman PC	11,499.40		
122120	Van Ness Feldman PC	1,366.97	-	
122121	Van Ness Feldman PC	5,558.21		
123076	Van Ness Feldman PC	255.00		
150911001	Vertex Structures, Inc.	1,368.00	18,125.10	
M800	Vigor Alaska LLC		144.00	
1562	Ward Cove Industries LLC	-	95.00	
WCI201510	Ward Cove Industries LLC		1,125.00	
WCI201511	Ward Cove Industries LLC		1,125.00	
WCI201512	Ward Cove Industries LLC		1,125.00	
WF09-201509	Wells Fargo Bank-Corporate Trust	90,700.66		
WF15-201509	Wells Fargo Bank-Corporate Trust	46,285.15		
WF09-201510	Wells Fargo Bank-Corporate Trust	90,700.66		
WF15-201510	Wells Fargo Bank-Corporate Trust	46,285.15		
WF09-201511	Wells Fargo Bank-Corporate Trust	90,700.66		
WF15-201511	Wells Fargo Bank-Corporate Trust	46,285.15		
635469	Wesco Distribution	-	3,326.97	

## SOUTHEAST ALASKA POWER AGENCY

Invoice No.	Company (vendor)	Revenue Fund	R&R Fund	New Gen
DownPmt	Western Electrical Services	11,930.66		
21219-0915	Western Electrical Services	18,450.00		
244	Woffinden, Jeimi	632.40		
5	Wrangell City & Borough	10.00		
59505	Wrangell Sentinel	-	46.75	
59781	Wrangell Sentinel	48.88		
4116604	4Imprint, Inc.	1,402.48		
201509	Employee Reimbursements	209.93		
201510	Employee Reimbursements	143.37	2.00	
201508	Bank of America	18,744.07	91.56	-
201509	Bank of America	15,227.30	1,339.93	-
201510	Bank of America	16,545.43	1,000.00	-
<b>Total Disbursements</b>		\$ 1,538,655	\$ 2,005,628	\$ 1,477
		<b>\$3,545,759.59</b>		

\* Bank of America credit card charges include all travel, most telecom and some utility:  
 ACS, AT&T Mobility, AP&T, GCI, Globalstar, KPU, PSG Borough, Roadpost, Wrangell City & Boro  
 These recurring telecom & utility charges are approximately \$12,000/month.



## SOUTHEAST ALASKA POWER AGENCY

FY2015 Audited Financial Statements

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DATE: December 3, 2015

TO: SEAPA Board of Directors

FROM: Trey Acteson, CEO

RE: FY2015 Audited Financial Statements

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A copy of SEAPA's audited FY2015 financial statements and an *Audit Wrap Up* from SEAPA's auditors, BDO USA will be provided as soon as they are available. Joy Merriner of BDO will call in during the meeting to present the audited financial results and answer any questions.

The following is a suggested motion to approve the audited financial statements after the presentation:

SUGGESTED MOTION
I move to approve the Southeast Alaska Power Agency Fiscal Year 2015 Audited Financial Statements as presented.



## Southeast Alaska Power Agency CEO Report

**DATE:** December 1, 2015  
**TO:** SEAPA Board of Directors  
**FROM:** Trey Acteson, CEO

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### **GOVERNMENTAL AFFAIRS**

The U.S. Department of Agriculture Forest Service released the Proposed Amended Land and Resource Management Plan (Draft Amendment) and Draft Environmental Impact Statement (DEIS) for the Tongass National Forest (Tongass) on November 20, 2015. This triggered a 90-day public review and comment period. SEAPA has been actively engaged in this process for over three years. We have submitted formal comments and engaged national and regional USFS leadership to facilitate changes that enhance renewable energy development opportunities, streamline processes, and lower costs. The Draft Amendment and DEIS are lengthy at 493 and 1032 pages respectively. Both documents are heavily focused on the transition to young growth, with a few small areas dedicated to renewable energy. The most substantive addition is Section 5-12 of the Draft Amendment (Attachment 1) that outlines a Renewable Energy Direction. This is a new approach that appears to offer some flexibility in terms of interpretation and accommodation of renewable energy development in the Tongass. It also replaces the Transportation and Utility System Overlay land use designation (LUD) in the 2008 Forest Plan. The EIS identifies the Preferred Alternative (#5) which, in regard to energy development, makes only minor references back to the Renewable Energy Direction. The EIS also contains a summary of Renewable Energy that highlights contemplated projects. It is important to note that it is not a comprehensive list and acknowledges that other projects may emerge. It also makes no mention of SEAPA's ongoing hydrosite investigation effort. We are currently reviewing the Draft Amendment and DEIS to determine if there are specific points or clarifications that merit filing additional comments.

SEAPA continues to track movement of the Energy Policy Modernization Act, which would promulgate several hydropower regulatory improvements at the Federal level. As reported earlier, this Bill passed the U.S. Senate Energy and Natural Resources Committee on July 30<sup>th</sup>. It is scheduled to be heard on the Senate floor after the New Year. Its sister Bill in the House, H.R. 8 - The North American Energy Security and Infrastructure Act of 2015, is scheduled to go to the floor this week, but they are sifting through 74 amendments to determine which ones will be heard. It passed out of the House Energy and Commerce Committee on September 30<sup>th</sup>.

Docket R-13-02 with the Regulatory Commission of Alaska (RCA) has advanced, with a recent vote to approve draft amendments developed by RCA staff. This Docket addresses a petition

by an Independent Power Producer (IPP) seeking to amend regulations that govern utility obligations to interconnect with and purchase power from qualifying facilities (QFs). As reported previously, the Alaska Legislature deferred action on proposed IPP legislation last session to allow the RCA to address similar issues already in front of them. It is not yet clear if this ruling will supplant previous IPP legislative initiatives, but it did address several IPP questions. Although SEAPA is not currently regulated under the RCA, their actions may still influence how we do business and any future interconnection with IPP's. Additionally, RCA oversight typically adds about 5% to the cost of doing business, so it is advisable to maintain our current exempt status.

## **BELL ISLAND GEOTHERMAL**

SEAPA completed a surface based feasibility study of Bell Island Geothermal. This potential renewable energy resource is located approximately 40 miles north of Ketchikan and is co-located near the Swan-Tyee Intertie corridor. SEAPA negotiated access rights and a first right of refusal to purchase agreements in 2014 to allow a due diligence surface investigation of this long discussed local energy resource. The goal of the surface investigation was to better understand the risks and confirm surface temperature studies conducted decades ago. This objective was achieved.

In October, an interested buyer for the Bell Island property emerged and tendered a bona fide offer that initiated SEAPA's 30-day window to exercise our option of first right of refusal to purchase the property. Having completed an initial due diligence surface investigation and carefully weighing the risk/reward profile of initiating a drilling program, SEAPA took no further action. This does not imply non-commercial viability of the resource, only that another entity may be better suited to address the high up-front cost of exploratory drilling. We appreciate having the opportunity to conduct a surface investigation and will continue to assess other potential renewable energy resources in the region.

## **PUBLIC RELATIONS**

SEAPA has negotiated a multi-year Draft Memorandum of Understanding with the Southern Southeast Regional Aquaculture Association (SSRAA) formalizing support for planned Chinook salmon rearing pens adjacent to our Swan Lake Power Facilities. This item will be presented under new business for the Board's consideration and approval.

SEAPA has worked with the USFS to draft a Volunteer Maintenance Agreement committing SEAPA time and resources for maintaining four USFS Public Use Cabins. Funding for FY16 activities was approved in the budget. This item will be presented under new business for the Board's consideration and approval.

The FY2015 third-quarter Community Flyer was completed and distributed to the three member communities (Attachment 2). Community Flyers are available to the general public through the SEAPA website.

## **BEST PRACTICES AND PROCESS IMPROVEMENTS**

Staff has prepared a Records Retention Policy and Schedule that will be presented under new business for the Board's consideration and approval. A comparison of other entities (e.g., State, Federal, and Municipality) was conducted to help develop duration intervals. This effort revealed a wide variance in established thresholds across different organizations. The

proposed Schedule has been reviewed to ensure alignment with the Agency's long-term organizational needs, and to meet legal and regulatory requirements. Legal counsel assisted in the review of the policy and schedule.

## **INSURANCE**

AEGIS has recently informed our insurance broker (Marsh) that they will be issuing an endorsement prior to the end of the year changing the coverage attachment point of the \$35 million Excess Liability Policy from the current \$200,000 to \$10 million. This change will leave SEAPA essentially uninsured up to the \$10 million attachment point for third-party aviation premises liability. This narrowly focused coverage is for incidents that may occur during unauthorized use of our helipads and the Tyee airstrip. SEAPA's helipads are typically very remote and located within our powerline corridor. They are strategically situated for line maintenance and are not conducive to recreation. Therefore, probability of unauthorized use by a third party is considered very low. The Tyee airstrip is also located in a location with a specific business purpose focus and unauthorized use has rarely occurred.

Filling the entire gap to \$10 million is very expensive and estimated at \$53,000 annually. This is an extreme increase in premium when you consider the remoteness and limited exposure to unauthorized use. Historically, there has never been a claim in this area. After a thorough evaluation and review with SEAPA's independent risk management consultant, we have determined that \$1 million coverage per occurrence at an estimated cost of \$12,000 annually is sufficient. We will revisit this issue next spring when we competitively bid the overall insurance program again.

Attachments:

- Renewable Energy Direction
- SEAPA FY2015 3<sup>rd</sup> Quarter Community Flyer

## 5 Plan Content Developed Under the 2012 Planning Rule

### Renewable Energy Direction

The direction in this amendment replaces the renewable energy direction in the Transportation and Utility System Overlay LUD in Chapter 3 of the 2008 Forest Plan, and removes this Overlay LUD as part of the proposed amendment.

Apply these plan components to existing and proposed renewable energy developments. When a proposal, beyond the preliminary stage, for a renewable energy project is submitted, the Chapter 5 plan components take priority if there is a conflict with management direction in Chapters 3 and 4.

Timber cut incidental to Renewable energy projects should be managed according to FSH 2409.18 Section 84.

#### Desired Conditions (DC)

**DC-RE-01:** Renewable energy resources (subject to applicable law) contribute to the economic well-being of Southeast Alaska communities.

**DC-RE-02:** Renewable energy resources are developed in a manner that would maintain and protect National Forest System (NFS) lands and resources.

#### Suitability of Lands (SUIT)

**SUIT-RE-01:** All NFS lands may be suitable for renewable energy sites on a case-by-case basis in consideration of the LUD, ecological and social values, and benefit to Southeast Alaska communities.

#### Management Approach for Renewable Energy

Identifying renewable energy sites as suitable is not a commitment but only an indication that the use might be appropriate.

#### Objective (O)

**O-RE-01:** During the 15 years after plan approval, encourage renewable energy production. Our participation in responding to renewable energy projects would be in the priority order of whether they lead to:

1. A decrease the number of Southeast Alaska rural communities powered by diesel generators,
2. An increase in existing renewable energy capacity, or
3. An export of renewable energy resources without benefit to Southeast Alaska communities.

#### Beach and Estuary Fringe (BEACH)

#### Suitability of Lands (SUIT)

**SUIT-RE-BEACH-01:** Beach and estuary fringe is suitable for renewable energy sites.

#### Facilities (FAC)

#### Guidelines (G)

**G-RE-FAC-01:** Utility lines should follow existing or planned transportation systems corridors, including those identified in the Logging Systems and Transportation Analysis (LSTA).

**G-RE-FAC-02:** Any linear routes can be considered if they reduce or minimize resource impacts.

#### Fish (FISH)

#### Standard (S)

**S-RE-FISH-01:** Assure that renewable energy projects continue the productivity of existing fisheries.

## Plan Content Developed Under the 2012 Planning Rule 5

<b>Standard (S)</b>	<p><b>Lands (LAND)</b></p> <p><b>S-RE-LAND-01:</b> Transportation and utility systems through conservation system units in Alaska, including designated wilderness, shall be considered under Title XI of the Alaska National Interest Lands Conservation Act.</p>
<b>Guideline (G)</b>	<p><b>Riparian (RIP)</b></p> <p><b>G-RE-RIP-01:</b> Where it is necessary to fall trees within an RMA, trees should be left on site.</p>
<b>Standard (S)</b>	<p><b>Scenery (SCENE)</b></p> <p><b>S-RE-SCENE-01:</b> Apply the forest-wide standards and guidelines of the Low Scenic Integrity Objective (SIO) to renewable energy sites. Consult Forest Plan Chapter 4 under the Scenery section.</p>
<b>Management Approaches for Scenery</b>	<p>It is expected that renewable energy sites may dominate the seen area, and are designed with consideration for existing form, line, color, and texture found in the characteristic landscape.</p> <p>It is expected that the IDT conducts viewshed analysis in conjunction with renewable energy site development.</p>
<b>Standard (S)</b>	<p><b>Soil and Water (SW)</b></p> <p><b>S-RE-SW-01:</b> Ensure that renewable energy projects secure in-stream flows needed to support downstream riparian resources, channel conditions, and aquatic habitat.</p>
<b>Suitability of Lands (SUIT)</b>	<p><b>Transportation (TRAN)</b></p> <p><b>SUIT-RE-TRAN-01:</b> Lands within renewable energy sites are suitable for roads for access, construction, operation, maintenance, and support of renewable energy sites.</p>
<b>Standards (S)</b>	<p><b>S-RE-TRAN-01:</b> Transportation and utility systems through conservation system units in Alaska, including designated wilderness shall be considered under Title XI of the Alaska National Interest Lands Conservation Act.</p>
<b>Management Approaches for Wildlife</b>	<p><b>Wildlife (WILD)</b></p> <p>It is expected that the IDT would consider the most current science, guidelines, and methodologies (for example, Avian Power Line Interaction Committee guidelines) for all new and existing transmission lines to minimize bird electrocution and collision potential, and to prevent road kill.</p>

### Transportation Systems Corridors Direction

The direction in this amendment replaces the transportation direction in the Transportation and Utility System Overlay LUD in Chapter 3 of the 2008 Forest Plan, and removes this Overlay LUD as part of the proposed amendment.

The purpose of the plan direction for transportation systems corridors (TSC) is to facilitate the availability of National Forest System land for the development of existing and future transportation systems such as those identified by the State of Alaska in the current version of the Southeast Alaska Transportation Plan (SATP) and applicable laws (for example, Section 4407 of P.L. 109-59, Title XI of the Alaska National Interest Lands Conservation Act, P.L. 96-487). (See DEIS Chapter 3, Transportation section.)



## COMMUNITY FLYER

3<sup>rd</sup> Quarter 2015  
Trey Acteson, CEO

1900 First Avenue, Suite 318  
Ketchikan, Alaska 9990-6059  
Tel: (907) 228-2281  
Fax: (907) 225-2287  
[www.seapahydro.org](http://www.seapahydro.org)

### ALASKA POWER ASSOCIATION VISITS KETCHIKAN:

SEAPA hosted the Alaska Power Association's 64<sup>th</sup> Annual Meeting in Ketchikan on August 25-27. Over 150 participants attended including utility leaders, agency representatives, and legislators from across the state. During the conference, SEAPA provided a tour of its Swan Lake facilities for Senator John Coghill (Majority Leader), Sara Fisher-Goad (AEA Executive Director), and Severin Randall (Majority staff counsel to the U.S. Senate Energy and Natural Resources Committee).



APA 64<sup>th</sup> Annual Meeting – Ted Ferry Civic Center, Ketchikan



Lt. Governor Byron Mallot & B.C. Minister of Mines Bill Bennett



Panel: Rep. Vazquez, Rep. Nageak, Rep. Ortiz,  
APA Exec. Director Fisher-Goad, Senator Coghill

### SWAN LAKE RESERVOIR EXPANSION APPROVED:

The Federal Energy Regulatory Commission issued an order on August 18, 2015 approving SEAPA's Swan Lake non-capacity license amendment. This was a critical milestone that paves the way for SEAPA to increase the Swan Lake reservoir maximum operating level by 15 feet. Final design of the spillway flashboard and gate system is in progress and the project is on track to be completed by the end of calendar year 2016.

### WRANGELL REACTOR REPLACEMENT:

SEAPA contracted Alaska based Electric Power Constructors to remove an aging 7.5MVAR reactor and install a 5MVAR and 2.5MVAR replacement in the Wrangell Switchyard. Reactors are designed to offset the capacitive effect on transmission lines, and to regulate the voltage and reactive power of the system. Although the crew was challenged with persistent poor weather, the project was completed safely and ahead of schedule.



### SYSTEM OPERATING PROTOCOL AGREEMENT:

SEAPA fostered a review and update of the System Operating Protocol Agreement with its three member utilities in Ketchikan, Petersburg, and Wrangell. This agreement establishes operating standards for SEAPA hydroelectric plants and transmission, and interaction of those systems with our member utility generation and distribution systems. This unified commitment helps protect personnel and equipment, while enhancing system stability and reliability.



**Swan Lake Dam Abutment Clearing:** The Swan Lake Part 12 Independent Consultant Safety Inspection recommended that the dam abutments be cleared of all vegetation out to at least 40' from the dam. SEAPA contracted with Extreme Access, a firm that specializes in dam clearing and cleaning by way of repelling. The dam abutments are nearly vertical and approximately 150 feet high. The project was completed in August.

#### SWAN LAKE POWERHOUSE ROOF REPLACEMENT:

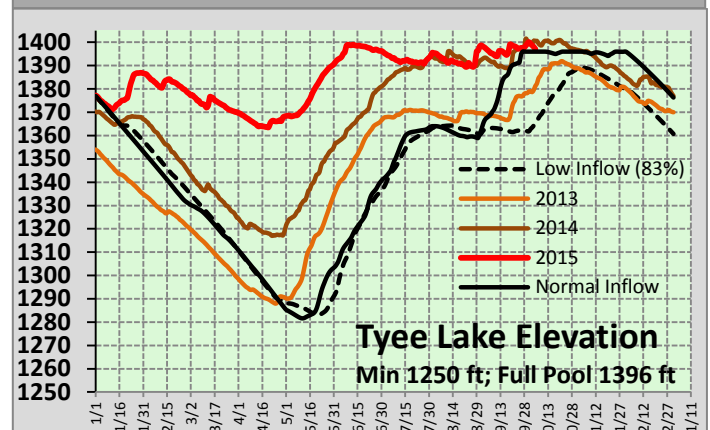
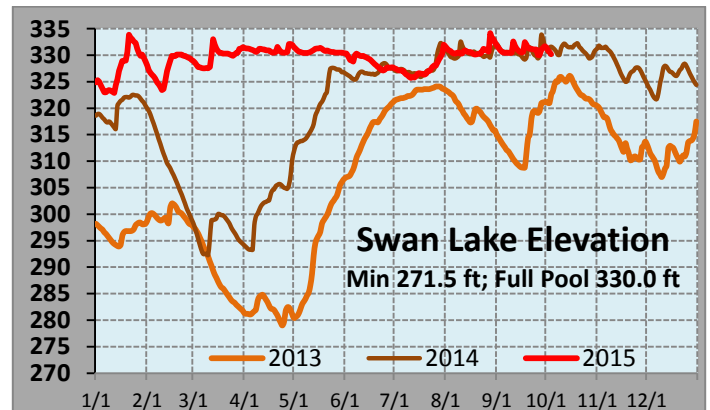
Sitka based contractor CBC mobilized at the end of August for the Swan Lake Powerhouse Roof Replacement Project. The existing roof was leaking and had accumulated water in the sub-layers. CBC also power washed and sealed the exterior of the powerhouse.



**SWAN-TYEE INTERTIE HELIPAD PROJECT:** SEAPA contracted with Ketchikan based BAM Construction for installation of 105 helipads along the Swan-Tyee transmission corridor. Installation work began in August and 50 pads were completed before weather deteriorated, halting work for the year. SEAPA has a rigorous QA/QC process where each pad is thoroughly inspected and signed off by an independent third party. Installation will resume next spring.



**RESERVOIR LEVELS:** SEAPA reservoir levels are full and have been spilling for several months. Prognostic weather charts indicate another warm, wet winter, similar to last year.



**Date:** November 20, 2015  
**To:** Trey Acteson  
**From:** Steve Henson, Operations Manager  
**Subject:** Operations Update for December 10, 2015 Board Meeting  
**Purpose:** To provide a status report on major operations activities.

### **MAJOR CONTRACTS and PROJECTS**

#### **Wrangell Reactor**

The Wrangell Reactor replacement project is complete.



**2.5 MVAR Reactor**



**5.0 MVAR Reactor**

[Remainder of page intentionally left blank.]

### **Wrangell Switchyard Circuit Switcher**

The replacement of a manual gang switch on the transmission spur line that feeds the Wrangell substation with a circuit switcher is complete. This allows the spur line to be energized or de-energized remotely from Tyee.



**CS-T36 New Circuit Switcher**

## **Satellite Communications System**

This project was initiated because the microwave link between Ketchikan and the Swan Lake Plant was lost when the Coast Guard decommissioned their Loran Station at Shoal Cove. SEAPA utilized power provided by the generators at the station for its microwave repeater. We looked at a new microwave system which would have cost approximately \$5,000,000. We then looked at wrapping fiber on the Swan Lake Transmission wires but that cost came in at \$2,100,000. The next option was satellite communications. With approval of the Board, we have pursued satellite communications. To date, the mesh link between the Swan Lake Plant and the SEAPA office is established, and we are working on the link to the Tyee Lake Power Plant. Once that link is up and proved out, we will install a dish at Wrangell and Petersburg to complete the "Mesh". We are replacing antiquated phone systems and data transfer for SCADA. Control will be faster and more robust, internet access to the plants will be improved, and we are integrating a voice over internet protocol for radio communications through the satellite network, which will enhance safety for switching and emergencies.

SEAPA has contracted with Futaris Inc. for material and support for this phase of the project, and solicited quotes from local contractors for installation of the platform. The Tyee and Brushing Crews have installed the underground conduit from the Tyee Plant out to the Dish site approximately 800 feet north of the runway. The platform was designed by Tongass Engineering and fabricated by the Tyee crew.



**Satellite Dish Platform**



**Satellite Dish Platform Location**

[Remainder of page intentionally left blank.]

### **STI Helipad**

The helipads manufactured by Touchdown have been received and are in storage at Ward Cove. BAM LLC has been installing the helipads. A total of 50 helipads were installed this season. Next summer the remaining 55 pads will be installed.



**New Helipad at Tower 97 on the Intertie**

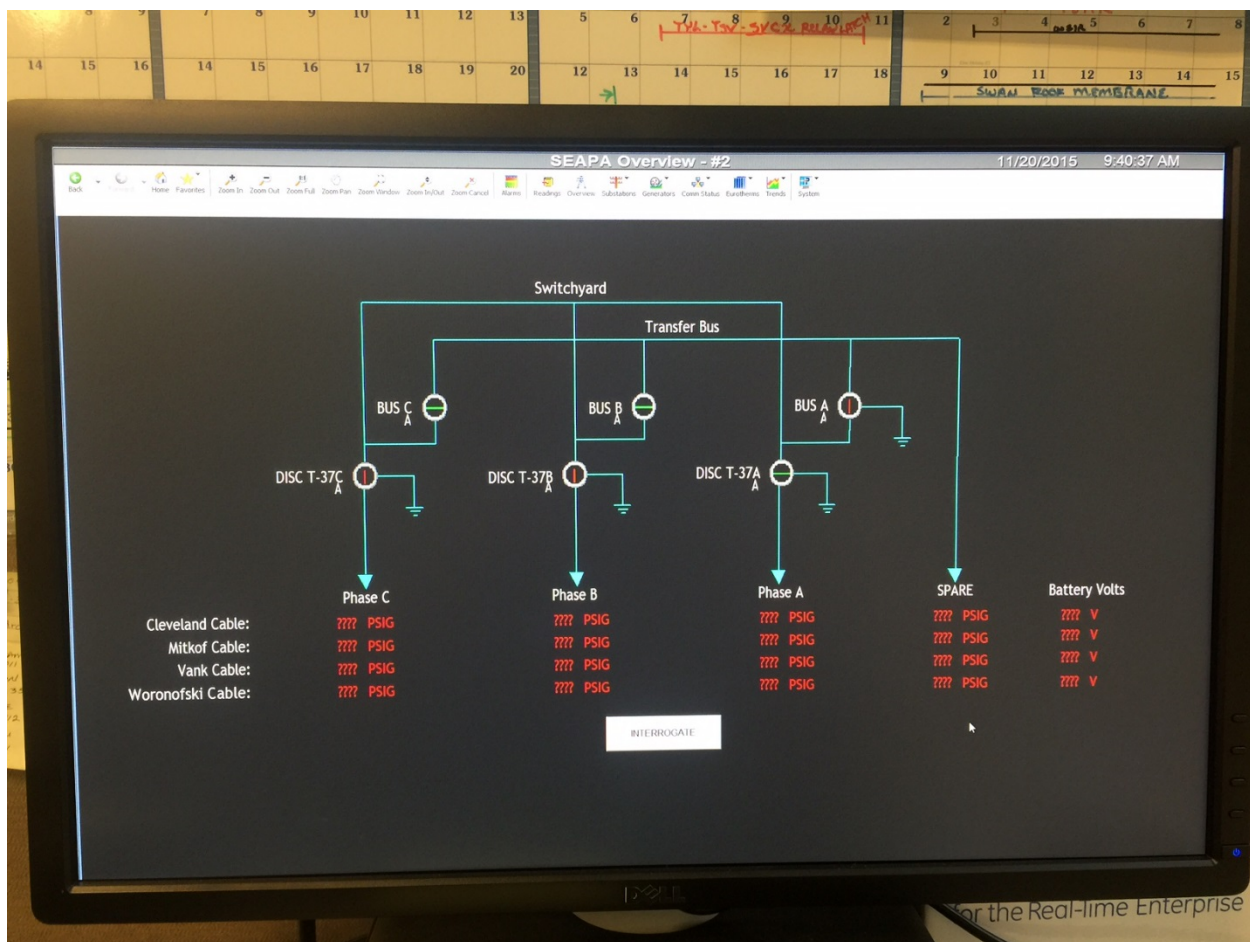
[Remainder of page intentionally left blank.]

## Marine Terminal Gage Replacement and Communication Upgrade

An assessment of the undersea cables and the marine terminals was performed by Jim Pachot of Poseidon Engineering. His recommendation was to replace the present pressure gages, which will not hold their calibration parameters and to add pressure transducers which would allow the pressures of all of the submarine cables to be read and alarmed from the new Tyee SCADA system.

James Volk of Segrity is scheduled to reconfigure the data controllers at the terminals and integrate the pressure signals and data into the SCADA system at Tyee.

Most of the materials have been received including the new pressure gages and pressure transducers. The last major items yet to be received are the new solar panels. Installation will most likely begin in the spring unless we have breaks in the weather this winter.



**SCADA Screen for Pressure Sensing**

### **ATV Use on the Tyee Transmission System**

Meridian Environmental was selected for the permitting effort required by the USFS for the use of the ARGO on select areas of the Tyee transmission line right-of-way.

Comments from agencies have been received by the USFS and the Draft Environmental Assessment (DEA) has been completed by Meridian, which includes resolution of these comments. Upon acceptance of the DEA by the USFS review committee, Meridian will publish the final EA for public comment. After 45 days, the amendment to the permit can be finalized so we will be able to use the Argo next season.

### **Operator Training**

SEAPA will be sending two more operators to Golden, Colorado for the Western Area Power Association (WAPA) Plant Operator training in February 2016. We will also be sending personnel to Infrared camera training next spring. We have joined the RedVector group which will give us online access to over 900 courses in safety and craft skills training.

### **MAPCON; Planned Maintenance Program**

The new MAPCON update will be initiated beginning December 14. We will be traveling to Tyee first, then Swan, and finishing up at SEAPA's office last.

### **Sponsorship of USFS Cabins**

Staff is working on the volunteer agreement for sponsorship of USFS cabins. A draft of the document is in the board packet.

### **Tyee Lake Report**

Refurbishment of the turbine shutoff valve hydraulic controls for Unit #1 are in progress.

Cooling water revisions are underway.

Fabrication of the satellite platform was completed by the Tyee crew.

The brushing crew has been working on the Wrangell section of the transmission line and is assisting with infrastructure for the satellite dish at Tyee.

Repairs have been made (Port engine turbo charger) to the Tyee landing craft by the Bay Company in Wrangell.

### **Swan Lake Report**

Highlights of the activities at Swan Lake include:

- Oil containment purchased, received, and installed in storage building for spare transformer oil (12 drums).
- New U.P.S. installed in intake building for communications gear.
- Turned/ground collector rings on Swan Generator #2.

- Outfitted new emergency shelter with 2kw generator set, transfer switch, radio antenna, desk, and windows. Set building up with temporary power until installation of electrical service.
- Completed installation of S.S. air compressor B motor starter.
- Began installation of new 480 volt L.E.D. wall packs throughout facility. 16 total, 8 on hand, 8 more to be ordered in near future.
- Working with Ed on invasive plant abatement.
- Completely rebuilt and painted of the altitude valve and associated pressure reducing valves for the water storage tank. Replaced failed vault heater, with new 480 volt 1 kw heater.
- New fencing was installed at the dam abutment.
- Inspected wicket gate bushings.
- Repaired survey targets used in the Swan Dam Movement Surveys.

Please see the attached report for additional information and photographs on Swan Lake activities.

### **Annual Maintenance**

RFP's will be published in February for the annual May/June maintenance outages.

Staff will be available at the board meeting to respond to any questions or concerns.

Attachment:

KPU Swan Lake Report



**KETCHIKAN PUBLIC UTILITIES**  
**Swan Lake Project Report**  
Andy Donato, Electric Division Manager | Dec 2015

**SAFETY | ENVIRONMENTAL | SECURITY**

- Log Boom remains out-of-service (pieces in the plunge pool)
- Fire suppression system bottles refilled, await delivery in Ketchikan this week
- Fire extinguisher maintenance and revamp of inventory check list completed
- New oil containment matting, pallets and shelving installed facility wide
- Support of "Rare & Invasive Plant Survey" project
- Aerial Operator (man lift) training completed by 3 of 4 Crew
- Visitors included various contractor groups, CBC Roofing, Bam Construction, Forrest Service, Segrity, Botanist; and multiple deer hunters.
- Non-contact High Voltage "tick" tester procured
- New fencing at the Dam abutment installed
- New labeling on residential and building transformers
- Bridge crane pendant repair completed
- Repair of Dam Deflection Survey targets Sept 23, 2015
- Futaris IP address changes and restricted access

**OUTAGES | UNIT CONSTRAINTS | RESERVOIR LEVEL**

- Forced outage of Unit #1, Machine breaker failure, Aug. 17, 2015
- Unit constraint, Unit #1, Aug. 17, 2015 thru Oct 7, 2015 when the breaker was replaced
- Unit constraint, Unit #2, Nov 16-18, 2015 collector ring maintenance
- Station outage Sept 5, 2015 for MAD clearance on Power House roof project
- Station outage Sept 16, 2015 for MAD clearance on Power House roof project
- Forced outage Sept 29, 2015 SEAPA system, Tyee initiated
- Reservoir level: 325.7 on Dec 1, 2015
- Spill record made of 193 days since January

**MAINTENANCE (REGULAR)**

- Turbine wicket gate bushing inspection and repairs
- Unit #2 collector rings developed arcing/ imaging issue, repaired
- Mapcon support for their new application
- Next barge delivery pending. Still needed for roofing scrap, etc.

- Line-starter for stand-by compressor completed
- Gazebo roof repair, fireplace pending
- Power house roof equipment re-installed
- UPS upgrade in Intake Building (1350 VA)
- Emergency Shelter modified with window, electrical mods completed
- New 2 kW emergency generator procured for shelter
- New LED wall pack outdoor lighting installed
- New tig welder procured, prior welder given full credit in return
- Over haul completed for Altitude valve and heater for water tank
- Power house cleaning and painting (interior) damage and stains from roof
- Continued spillway clearing from log boom being out-of-service
- Identified for future:
  - Substation support structure repairs
  - Transformer gauge replacement
  - Substation gang switch service & position labels

#### **COMPLIANCE**

- Next R&M Dam deflection survey scheduled December 9, 2015
- Annual inspection from Yukon Fire, January 2016
- FERC required EAP Table Top exercise scheduled tentatively March 29, 2016

#### **Attachments/Images**



Oil containment pallets and shelving for drums



Emergency reponse shelter with window installed

INSPECTION COMPLETE?	EXTINGUISHER NUMBER	LOCATION	SIZE/TYPE	YEAR PURCHASED	6 YEAR DUE	HYDRO DUE
	1	CONTROL ROOM	10 LB HALOTRON	2008	2014	2020
	2	EL 36 FIRE STATION	10 LB ABC	2011	2017	2023
	3	EL 36 BATTERY ROOM	10 LB ABC	2008	2014	2020
	4	EL 24 FIRE STATION	10 LB HALOTRON	2008	2014	2020
	5	MACHINE SHOP	10 LB ABC	2009	2015	2021
	6	EL 24 SOUTH WALL	10 LB ABC	2008	2014	2020
	7	EL 10 BULK OIL ROOM	10 LB ABC	2003	2009	2015
	8	STATION SERVICE	10 LB HALOTRON	2008	2014	2020
	9	HVAC/PARTS ROOM	10 LB ABC	2009	2015	2021
	10	EL 10 FIRE STATION	10 LB ABC	2014	2020	2026
	11	EL 10 SOUTH WALL	10 LB ABC	2009	2015	2021
	12	EL 4 PENSTOCK RM.	10 LB ABC	2009	2015	2021
	13	BULK FUEL TANKS	20 LB ABC	2005	2011	2017
	14	MAINT. BUILDING SOUTH DOOR	10 LB ABC	2011	2017	2023
	15	EXCAVATOR	2.5 LB ABC	2014	2020	2026
	16	CHEVY PICKUP	2.5 LB ABC	2003	2009	2015
	17	BOOM TRUCK	5 LB ABC	2003	2009	2015
	18	DIESEL GENERATOR ROOM DOOR	10 LB ABC	2003	2009	2015
	19	DIESEL GENERATOR ROOM	10 LB ABC	2003	2009	2015
	20	MAINT. BUILDING FIRE STATION	10 LB ABC	2006	2012	2018
	21	FORKLIFT	2.5 LB ABC	2008	2014	2020
	22	GAZEBO	10 LB ABC	2012	2018	2024
	23	BUNKHOUSE LOWER	10 LB ABC	2003	2009	2015
	24	BUNKHOUSE UPPER	10 LB ABC	2003	2009	2015
	25	HOUSE 101	10 LB ABC	2011	2017	2023
	26	HOUSE 102	10 LB ABC	2011	2017	2023
	27	HOUSE 103	10 LB ABC	2014	2020	2026
	28	STORAGE BUILDING SOUTH WALL	10 LB ABC	2003	2009	2015
	29	CASE BACKHOE	2.5 LB ABC	2008	2014	2020
	30	HONDA ATV	2.5 LB ABC	2008	2014	2020
	31	STORAGE BUILDING UPPER LEVEL	10 LB ABC	2009	2015	2021
	32	STORAGE BUILDING N.W. CORNER	10 LB ABC	2003	2009	2015
	33	INCINERATOR BUILDING	10 LB ABC	2012	2018	2024

New fire extinguisher inventory and maintenance list



Exterior wall pack LED lights



Invasive plant species eradication support



Replacement “drop-in” stove for bunk house



New fencing for Dam abutment



Collector ring "imaging" phenomenon



Wicket gate inspections & adjustment

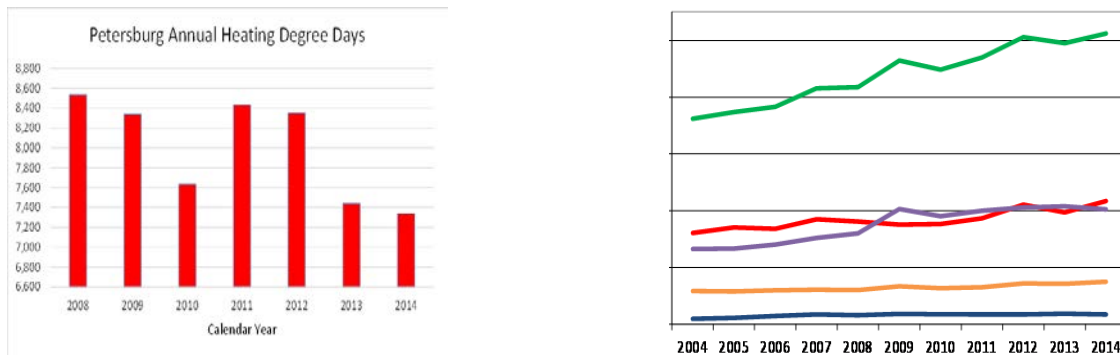


Altitude valve rebuild

**Date:** December 2, 2015  
**To:** Trey Acteson, Chief Executive Officer  
**From:** Eric Wolfe, P.E., Director of Special Projects

### Load Forecasting

John Heberling of D.Hittle & Associates was awarded our load forecasting contract last February. At our last board meeting in Petersburg, we presented Heating Degree Day (HDD) data and load growth trends for Petersburg Municipal Power & Light. While there are many variables in addition to HDD,



The figure on the left is a plot of annual heat degree days for Petersburg, the figure on the right is electrical load by customer class in Petersburg. Loads are slightly increasing with a substantial drop in heating degree days for 2013 and 2014.

with respect to prediction of short-term capacity issues, HDD is the most dominant general trend variable to understand. John has been working on other comparisons and also researching probable population trends for our three communities. We'll present his latest findings at the board meeting and also discuss schedule and next steps. We need to update our long-term load forecast as part of the ongoing power planning process, but just as important are the day-to-day and week-to-week decisions regarding efficient power dispatch. Listed below are the short-term benefits of an ongoing, proactive load forecast effort:

Short-term Load Forecasting provides the basis for the following decisions:

- Unit start/stop decisions at Tyee and Swan and for number of units required at Tyee and Swan
- Degree of load following margin (spare capacity on-line during ramp up of morning and evening loads)
- Degree of spin reserve required-additional capacity always available for system contingencies
- Establishing cold weather warnings regarding hydro capacity
- More efficient maintenance planning

## Alarm-Controls-Protection (ACP)

What is this project about? It is literally about efficiency and reliability. This project is the wires, engineering logic, and devices that drive the human-machine unit protection system. This system requires modification because it hasn't been changed since the 1980's and because we have made significant physical changes to our plants to generate more energy for the same inflows. The cooling water (CW) system at Tyee was modified in 2013-2014 to use the existing pumps instead of penstock water, and the flow of cooling water will be throttled to reduce water use during generator low load periods; these modifications increase output at Tyee by 1,000 MWh per year. The plant crew modified the piping and installed the new control valves, but automatic control of the cooling water system could not progress until temperature and flow monitoring devices were installed and wired to SCADA. The ACP project integrates engineering and installation services for device specification, device programming, and control wiring design, also component configuration-installation, and final commissioning.

Over the last 3 months we concentrated on two main areas: 1) Tyee CW controls, and 2) SCADA integration.

### Recent Cooling Water Modifications

During October and November, pump motor control wiring, pump controllers, valve controllers and wiring, flow metering, and pressure transducers were installed. In the photo at right the Tyee Crew completes CW control work; Chris Barnett completes panel terminations for pump and valve control, and Randy Rasler completes flow meter installation. The system can now automatically start and stop CW pumps, automatically open and close unit CW valves, and on low pressure or high temperature start the auxiliary pump. If a pump fails or with loss of station service power, penstock supplied CW via the PRV is ported to the CW header. The CW system can also be operated manually. The CW portion of the ACP project will be complete after we finish programming and commissioning the temperature throttling control loop.



Tyee Crew finishing CW control work



New CW control panel and piping



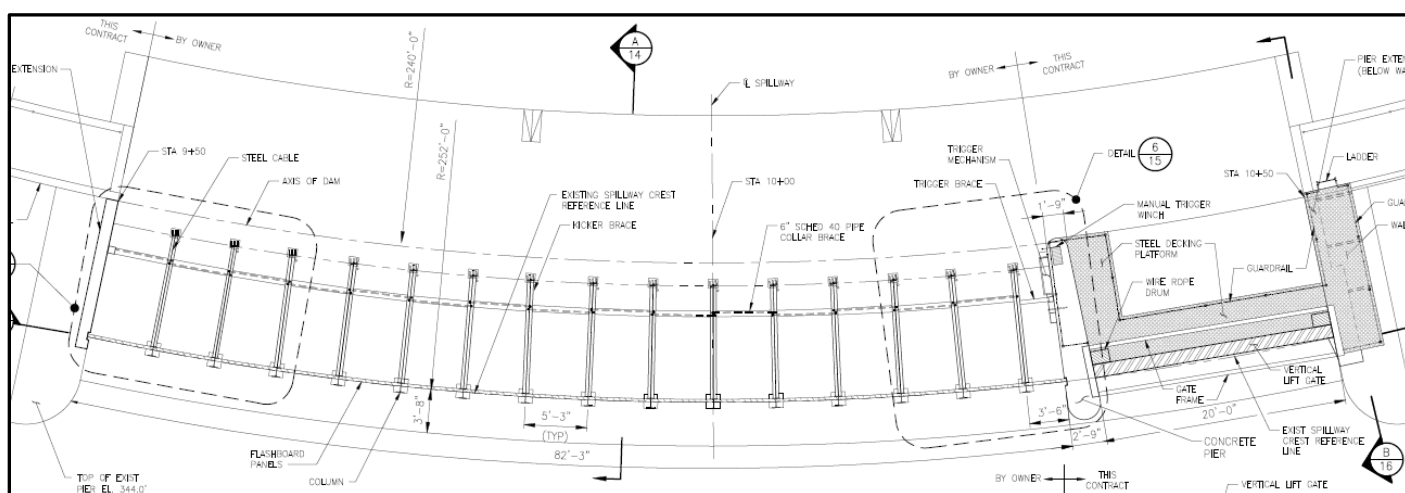
New flow meter with view window and digital communication to control room

## ACP continued

### SCADA Integration

During October and November, CW modifications were integrated - a fancy term meaning “added” to the new GE I/fix SCADA at Tyee. CW throttling valve position based on flow targets can be set, and indication of pumps and valves is now available on the screens. We also streamlined the Screen/historian applications by changing these from thin client to view node as this used less bandwidth in the applications that share data between Swan, Tyee, and the SEAPA office. Design work as it pertains to SCADA modifications for the alarm upgrades and the future protection modifications also progressed during this period.

## Swan Lake Reservoir Expansion



Plan view of the Swan Lake spillway section showing flashboards and the vertical gate

### Swan Lake Expansion - Project Benefit and Cost

Between 6,000 and 12,000 MWh of annual energy benefitting the entire system from a 25% increase in active storage; an annual average 7,500 MWh of weather-independent, dispatchable energy will offset ½ million gallons of diesel fuel annually. This project is a non-capacity amendment (no change in project generation power level - 24 MW), with little-to-no environmental impact. We have gained our license amendment, and continue with the remaining permitting issues. The engineering, component fabrication, and construction contracts are organized as follows:

**Contract 1:** Civil, mechanical, electrical engineering design, with potential for construction management (signed with McMillen/Jacobs, June 2015)

**Contract 2:** Flashboard system fabrication comprised of 78 lineal feet of flashboards, 15 vertical feet tall, and includes the trigger mechanisms (signed with Kuenz America Inc. of Graz, Austria, November 2015)


**Contract 3:** Design, fabrication, and option to install 40,000 lb. vertical gate, 23 ft wide (contract to be awarded at this meeting as a new business item)

**Contract 4:** Civil construction (RFP to issue last week of December 2015 with an award date scheduled for mid-February 2016)

## Swan Lake Expansion-Continued

This project is about to consume more and more of staff's time as we near the critical fabrication and construction phases of the work. We have been working steadily on this project the last couple of months.

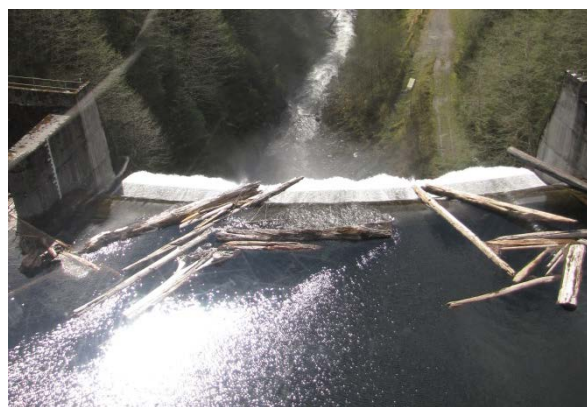
- Permitting efforts, led by Ed Schofield, and supported by Kleinschmidt's, Finlay Anderson, are ongoing; we continue with Tongass National Forest (TNF) special use permit discussions, logging options, and construction permits
- During September we wrote the specifications and issued an RFP for the flashboard system; the board approved a contract with Kuenz America during our November special board meeting (*Contract 2*), and during the week of November 16 we met with Kuenz's design team to organize the design process and finalized scope, schedule, payment terms, identified difficult design issues, and instituted a design review program which includes factory verification of a four-panel prototype. As you recall, the designer/fabricator of this system is to implement fabrication details from the ¼ scale model results. The four-panel fit test and the full scale trigger test are tasks of this contract for design verification, which will help ensure the Board of Consultants (BOC) and Federal Energy Regulatory Commission (FERC) grant approval of the 100% design. Listed immediately below is our design schedule for next few months; red blocks indicate SEAPA and/or third-party review of the Kuenz design (schedule is organized by weeks of the year). The flashboard system is to be delivered to Swan Lake by August 1<sup>st</sup>. The imbedded steel components which will provide the concrete/flashboard interface will be supplied and installed by the construction contractor (*Contract 4*).

																									
Schedule		Swan Lake Flashboards																							
Date	11/18/2015	November				December 15				January 16				February				March							
Department	Process	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	
TK																									
PL	Award																								
	Design Coordination Meeting																								
TK	Design																								
TKM	Preliminary Design																								
	Review Prelim Design																								
TKM	Detailed Design																								
	Design Review																								
	Production																								
PUR	Purchase Materials																								
	Four bay assembly test																								
PRO	Mechanical Production FB and trig																								
	Trigger testing																								
	Design Modifications if required																								
	Design Review																								
PRO	Mechanical Production																								
GAL	Hot-dip galvanization																								
INS	Inspection																								
	Preperation for shipment																								
T	Transport																								
T	Kuenz-Seattle-Ketchikan-Swan Lake																								
AM	Installation																								
AM	Installation																								
		43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	

Flashboard Design and Review Schedule

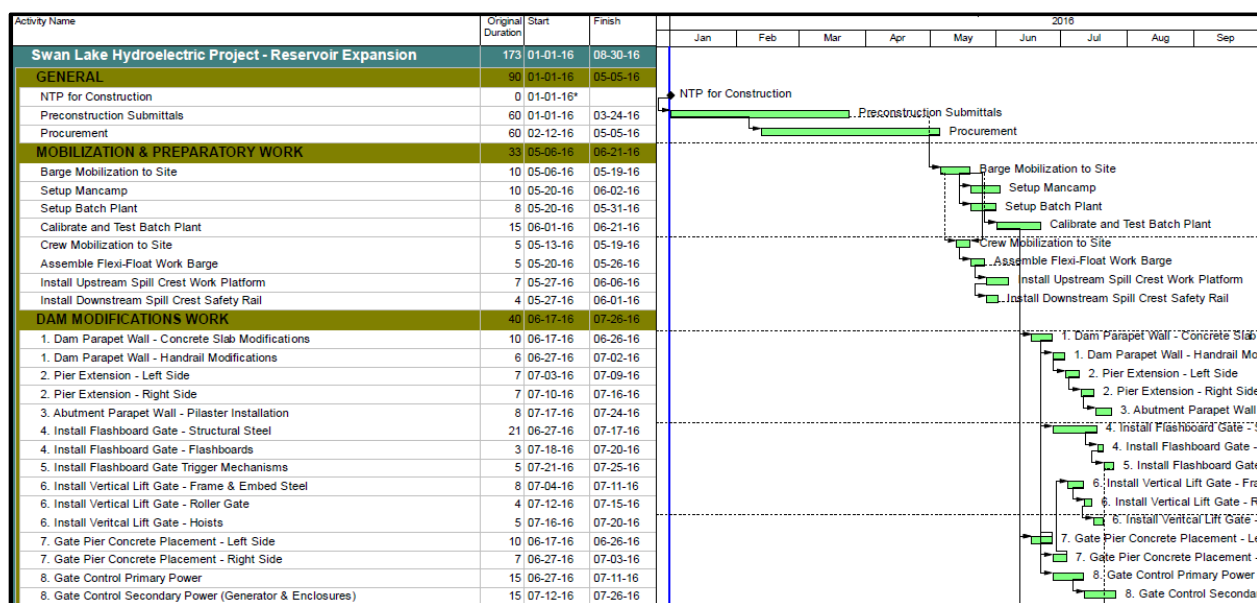
## Swan Lake Expansion-Continued

- A Request for Bids was issued for the vertical gate in October. Staff is currently vetting four qualified bids for the vertical gate and will have a recommendation for that award in time for the upcoming board meeting under new business.
- A construction schedule and next year's water management plan are tied at the hip. Since we will be modifying the spillway, we obviously can't spill through the spillway during construction. Work in the spillway is currently scheduled from May through September. We present a detailed discussion of the water management constraints posed by the construction schedule as part of the 2016 Operations Plan. Consideration of contracts with respect to the risks of the water management plan is one aspect of this project unique to both SEAPA and the physical constraints posed by the Swan structure



Swan Spillway slot during May 2015 - can't use this next year

- We meet weekly/bi-weekly depending on schedule with our construction and project designer McMillen/Jacobs. SEAPA has received the 90% design drawings and is in the process of field verification of many of the demolition and new construction measurements. We are on schedule to issue a Request for Proposals for the construction contract during the last week of December; we plan to issue a notice of award for this contract during early to mid-February. An overall project schedule is listed below; note the flashboard system now follows vertical gate installation; the project is scheduled for completion before the start of the "super wet season", i.e., October 2016.



Construction schedule for Swan Lake Reservoir Expansion Project

## Tyee Lake Turbine Spherical Valve (TSV) *(last report on this R&R project)*

### History

The Tyee TSVs (1 per unit) provide protective isolation for the turbine from the penstock. The design intent of the valve is two-fold: 1) isolate the penstock from the turbine for maintenance, and 2) provide a means to stop water flow in the event the turbine nozzles and deflectors are inoperable during a “run-away” condition. The TSV is large, extremely stiff, of close tolerance, and driven by a water powered toroidal cylinder. TSVs are opened and closed using a system of smaller control valves that in turn are electrically controlled. Over the years the control valves have failed and have been repaired or replaced; corrosion and biological growth have fouled small passages. Often the TSVs will go for months without operation as moving the valves requires generator shutdown; this adds to the fouling problem. During late 2014 we solicited proposals to develop options for reliable long-term valve operation.



Tyee Unit 1 TSV

### Contract and Solution

SEAPA retained HDR who completed a site inspection and final report with the following project summary tasks:

- Filters upstream of the control valves will have piping added to isolate the filters such that during inspection/maintenance, pressure spikes from the source 600 psi water will not damage the filters (pressure/flow gradually transitions). The Tyee crew will implement these modest changes according to the report drawing specifications.
- Spare control valves should be purchased and the current control valves returned for refurbishment. The Board granted a staff request for a sole source Purchase Order for \$147,000 to replace faulty, worn-out control valves from Andritz after a lengthy search for alternatives; we expect the new replacement valves to arrive in Ketchikan this coming May, with installation in May or June of 2016.
- The stuck bypass valve on Unit #1 was removed, and a temporary bypass installed to retain unit availability; the bypass was dismantled onsite, cleaned, and is now scheduled for installation as time permits. No problems with the bypass were found, however we suspect the control piping between the bypass and the TSV cabinet or problems with the bypass control valves are the cause



Bypass disassembly and inspection



Temporary Bypass, TSV Unit 1

of intermittent operation. The control valve will be replaced, and the piping cleaned as time permits. Since the close function of the TSV is not impaired by these components, there is no operational risk of scheduling these final repair items until after the winter generation season.

- Manual Controls - SEAPA requested a piping design for manual control; this modification was reviewed and piping drawings received. Tyee crews will install these modifications during the next extended unit outage.
- Time delay relays will be retained but the timing made consistent with original commissioning values, and pressure gages will be added to existing control piping to verify control valve actuation.
- One last item not addressed by the HDR report is the issue of cylinder pitting. We will address this by researching a chrome surface repair specialist and then schedule the repair work. Leaks past the cylinder seal are not an immediate concern but over time, water on the pitted surface will increase pit size and then additional seal damage will incur; additionally, since control limit switches are in this vicinity, it would be prudent to address the leaks sooner rather than later.

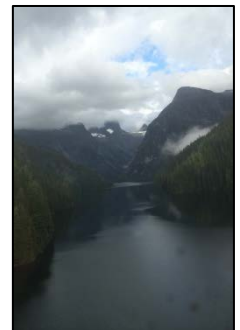
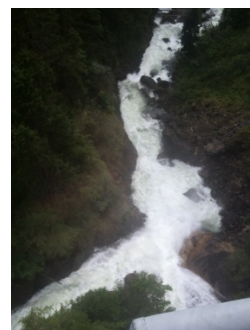


Toroidal cylinder showing stain marks; slight leaks are present which need to be addressed in the future.

## Hydro Site Investigation

### Project History

SEAPA received the grant during the summer of 2012, issued an RFP in the spring of 2013, and shortly thereafter started work. Staff built a data “library” and has completed work on the most obvious hydro sites near our transmission path. The project is currently on hold as SEAPA cannot provide project management efforts due to the Swan Lake fabrication and construction contract obligations. The next update will be in the spring of 2016. This is a five-year contract so a lapse should have no overall impact on the grant management process.

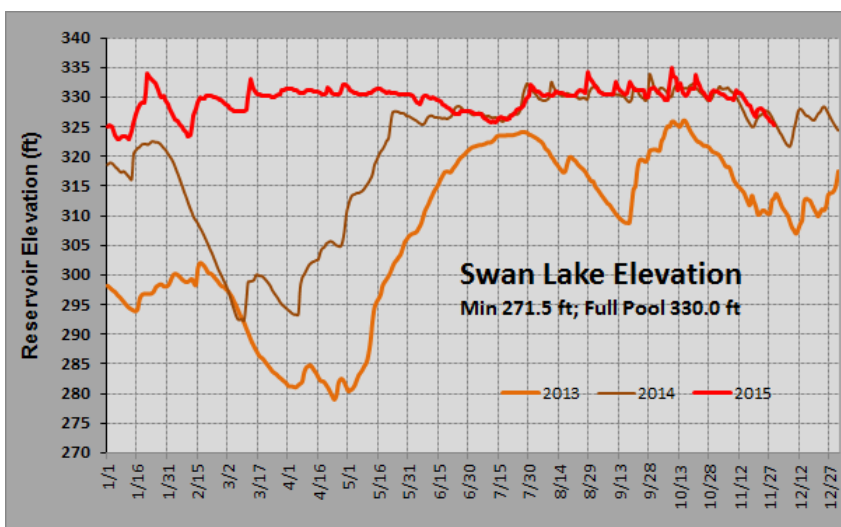


## Water Management Update

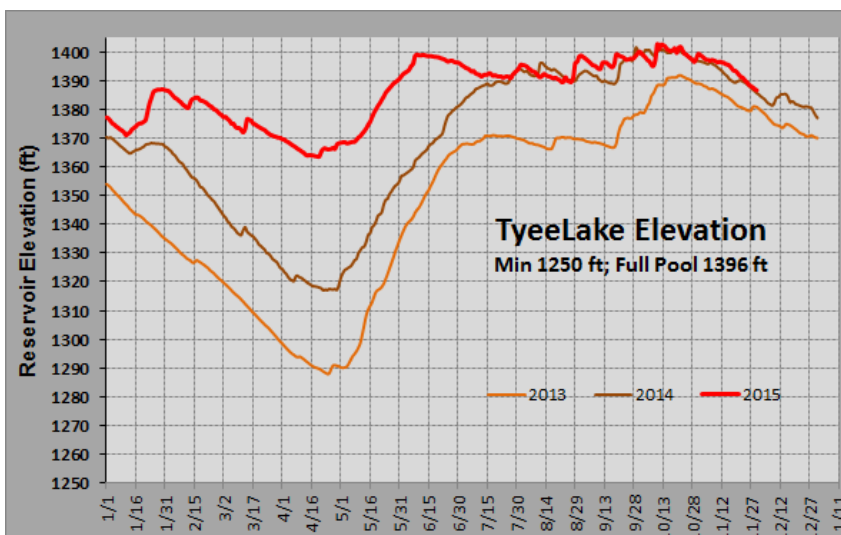
Calendar year 2015 deliveries and water can be described as a repeat of 2014:

- An extremely warm, wet winter, followed by a wet April
- Municipal generation continued at strong levels during the winter and spring and right into the summer, thus demand for SEAPA power was lower than expected
- 2014 January through November deliveries totaled 150,135 MWh; for the same period in 2015, the total is 141,553 MWh, which leads us to estimate FY16 deliveries will be below FY15 values

The winter and spring conditions noted above resulted in more water being carried forward into the summer than a “normal” year. Then after a summer of lower than expected loads, we continued with full or nearly full reservoirs at both Tyee and Swan Lake into the late fall. At the beginning of December you can see we are nearly on top of the 2014 reservoir levels of last year (11/27 date of the plots). In conclusion, we are well set for a large load winter; our weather forecasts indicate a milder, wetter winter than average.



Usually our strategy is to retain as much storage as possible at Swan Lake to ensure we can meet winter loads without relying on diesel generation. This year after about mid-January, we plan to draft Swan Lake if we have not already done so, as part of the construction project. A detailed explanation of the expected water levels, and staff recommendations for the 2016 Operations Plan are included on a separate report.



**Date:** November 30, 2015  
**To:** Trey Acteson, Chief Executive Officer  
**From:** Ed Schofield, Power System Specialist  
**Re:** Update for December 10, 2015 Board Meeting

**Swan Lake Powerhouse Roof Replacement Summary**

The Swan Lake Powerhouse Roofing System Replacement Project started on August 29, 2015 and was completed on September 26, 2015.

The old roofing system consisted of two complete roofing systems, which were installed one on top of the other. The original roofing system was installed in 1983 and was made up of a Hot Mop tar and ballast roofing system.

The original roofing system started failing a few years after installation, which prompted the installation of a new Kemperol membrane roofing system in 1994, which was installed over the top of the original roofing system. The Kemperol roofing system failed shortly after installation; however, this roofing system did not leak on rainy days as before - the roof only leaked on warm sunny days. Over the years many repairs were made to the roofing system in an attempt to correct the failed roofing



**Old Roofing System and Concrete Condition**

systems. All attempted repairs were unsuccessful. SEAPA, prior to the installation of the newly installed roofing system, conducted a destructive test to determine the cause of past roof system failures. The destructive testing analysis identified two primary causes that were responsible for water intrusion. Both roofing systems had failed at the membrane's outer perimeter fastening point and moisture was traveling through the unsealed concrete walls of the powerhouse. The walls had become porous due to moss growth and the lack of concrete sealer applications. To correct the two primary causes of the roofing system failures, the exterior walls of the powerhouse were power washed, concrete sealer was applied, and the new membrane system was designed to wrap over the top of the parapet walls to eliminate the mid-wall fastening point.



**New Roofing System**



#### **Swan Lake Lower Turbine Guide Bearing Coolers**

The manufacturer is nearing completion of the skid mounted heat exchanger cooling equipment, with shipping to occur around the first week of December. This project will greatly extend lower guide bearings service life and reliability by converting the present raw water (penstock water) open loop cooling system to a closed loop glycol cooling system for both Swan Lake units. The glycol cooling system will prevent corrosion of the bearings inner cooling jackets and provide the means to service the cooling system while the generator is on line. Each of the cooler skids are made up of a duplex or redundant cooling loop and will be mounted remotely from each bearing house for convenience of operational monitoring and preventative maintenance.

**This photo is of the actual Swan Lake Cooler Skid in production at the manufacturer's shop.**

#### **Swan Lake Basler Exciter and GE Switchgear Replacement**

The Basler exciter gear and cabinetry is presently being manufactured with a tentative ship date of December 3<sup>rd</sup>. The GE main generator switchgear and cabinetry are presently being manufactured as well and are scheduled to ship from the factory around February 26, 2016.

Installation of the new exciter and switchgear equipment will occur jointly for each Swan Lake unit, one unit at a time. Installation of this equipment will require approximately two to three weeks of out-of-service time per generator. Installation dates will be dictated by lake elevation and the progress of the Swan Lake Dam Pool Raise project due to the critical need to control lake elevation for the success of that project.



**This photo is of the existing Swan Lake Unit 2 Exciter Cabinets; all cabinets and internal gear will be removed and replaced.**

[Remainder of page intentionally left blank.]



**This photo is of the existing Swan Lake Unit 2 Switchgear Cabinets; all cabinets and internal gear will be removed and replaced.**

### **Swan Lake Reservoir Expansion Project / FERC License Amendment**

On August 18, 2015, the Federal Energy Regulatory Commission (FERC) issued an order amending Swan Lake's FERC License #P-2911 to authorize construction of the Swan Lake Reservoir Expansion Project. FERC issues amendments under the authority of the Federal Power Act (FPA). Section 4(e) of the FPA requires that FERC include conditions prescribed by the Agencies under whose supervision the Project's lands fall. A small portion (25.8 acres) of the Swan Lake Project is on Tongass National Forest (TNF) lands, with the remainder (2,384.5 acres) on State of Alaska, Department of Natural Resources (ADNR) leased lands. There are 12 conditions required under section 4(e). There were no other conditions in the amendment required by other agencies, with the exception of FERC on behalf of ADNR, TNF and FERC's Portland Regional Office. The conditions required are as follows:

- Paragraph 35 under Article 402 of the FPA pertains to the Rare Plant Salvage and Protection Plan (ADNR requirement).
- Paragraph 37 under Article 404 of the FPA pertains to timber harvesting of reservation lands, the need to perform a timber cruise, and establish agreements for compensation for potential commercially harvested timber (TNF requirement).

- Paragraph 56 under Article 304 of the FPA pertains to the Public Safety Plan (FERC requirement on behalf of the ADNR, TNF and FERC's Portland Regional Office).

SEAPA has been actively addressing each of the amendment conditions, setting priorities with those that are time sensitive and those directly related to on-site construction activities. All conditions must be addressed and reported to FERC.

The status of Amendment Conditions is as follows:

- Updated “Swan Lake Public Safety Plan” submitted to FERC's Portland Regional office within 60 days of amendment issue. (Complete)
- Rare Plant Salvage and Protection Plan. (Plan developed and approved by TNF and submitted to FERC. Implementation of the plan is required for a minimum of two years.)
- TNF Timber Cruise (Discussions with TNF are in progress; cruise scheduled for spring of 2016.)
- ADNR Timber Cruise. (Complete)
- Seek TNF approval on final project design. (On hold until completion of project final design.)
- Seek TNF approval of changes after initial construction. (On hold until project completion.)
- Allow for the revision of TNF conditions following issuance of a biological opinion or water quality certificate. (TNF reconsideration of conditions option.)
- Obtain a special use authorization. (Discussions with the TNF are in progress.)
- Comply with revised conditions following a special use authorization administrative appeals process. (TNF second reconsideration of conditions option.)
- Consult with the TNF annually to protect TNF lands. (This Condition has been in place since the original FERC license was issued; no additional SEAPA tasks are required.)
- Comply with applicable Federal, State, and local laws.
- Restore, and guarantee that any future transferee could restore TNF Lands in the event of license surrender. (This condition is standard but represents a potential significant future burden.)
- Self-Insure itself and indemnify the United States for any acts related to the licensee's use of federal lands. (This condition has been in place since the issuance of the original FERC license.)
- Prepare an Invasive Species Plant Management Plan. (The Invasive Special Plant Management Plan has been developed, approved by the TNF, and submitted to FERC. Monitoring of the plan will continue for a minimum of two years.)
- Restrict the use of pesticides and herbicides on TNF lands. (This condition is consistent with SEAPA past practice. However, it does not prohibit use of pesticides or herbicides as long as a written plan is in place and approved by the TNF.)
- Avoid disturbing, or replacing any survey monuments, private property corners, and TNF Boundary markers.



**Invasive Plant (Japanese Knotweed)**



**Japanese Knotweed Eradication Plant**



**Rare Plant (Northern Bugle Plant)**



**Rare Plant (Wallace Spike Moss)**

## **FERC Requirements**

FERC's required tasks that are presently underway or recently completed include the following:

- The Swan Lake Reservoir Expansion Project Pre-construction Potential Failure Mode Analysis (PFMA). An Independent Consultant Summary Report was completed and submitted to FERC on November 24, 2015. The report assessed and documents the August 18, 2015 Reservoir Expansion Pre-Construction PFMA session held at Swan Lake. The objective of the session was to identify all potential project risks so they can be addressed in the Project's 100% final design documents. In conjunction with the pre-construction, there will be a post-construction PMFA session to revisit final design and as-builts to determine if any PFMA items will be added to the FERC Dam Safety & Surveillance Monitoring Plan (DSSMP).
- The Swan Lake Dam Safety & Surveillance Monitoring Report (DSSMR) is presently underway with a February 2016 submittal date. This FERC program is the implementation and monitoring of items identified in the Part 12 Potential Failure Mode Analysis (PFMA). Each year all PFMA items are monitored and recorded on a monthly, quarterly, or annual basis depending on FERC's engineer's direction. The monitoring information is then reviewed by a third-party engineer and an analysis report is provided to FERC's Portland Regional Office.
- The Swan Lake Dam Movement & Settlement Survey is designed to detect any movement or settlement of the Swan Lake dam. A Theodolite (surveyor's level) is used to measure land and dam-based target angles and distances quarterly. The quarterly surveys are performed by a licensed surveyor, under a SEAPA task order with R&M Engineering-Ketchikan, Inc.
- FERC requires the Swan Lake Emergency Action Plan (EAP) to be reviewed and documentation of the review to be submitted to FERC's Portland Regional Office annually. This year's review and documentation was submitted on November 24, 2015. On a five-year rotation, FERC requires that an enactment exercise of the EAP be held, with all plan holders or emergency responders. An EAP Table Top exercise is scheduled to take place on March 29, 2016 at SEAPA's Ketchikan office. All Swan Lake Emergency Action plan holders are invited to participate in the Table Top exercise. The goal of this exercise is to meet face to face with responders to discuss a scenario emergency event to determine if the information, policies, and procedures within the EAP document are current, accurate, and appropriate.



### **Swan Lake Dam Movement & Settlement Survey**

#### **Genie Boom Lift Operator and Safety Training**

Genie Boom Lift equipment, Model #S-65, were purchased for the Tyee and Swan Lake facilities. This equipment is commonly known as an aerial self-propelled man lift. To meet all Occupational Safety and Health Administration (OSHA), American National Standards Institute (ANSI) and the Scaffold and Access Industry Association (SAIA) operational safety requirements, SEAPA provided all facility staff with Genie online training and on-site, hands-on operation and basic preventative maintenance training. The on-site training was provided by the Genie dealer at the Tyee facility and attended by all staff on November 18. The Swan Lake training is scheduled for mid-December.

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### **Bureau of Reclamation PRO&M Team industrial Standards Tyee Facility Review**

The Bureau of Reclamation's PRO&M Team is scheduled to perform an Industrial Standards review for SEAPA's Tyee facility starting on March 6, 2016 and continuing through March 12, 2016. The PRO&M team is made up of four highly specialized hydro engineers specifically assembled for the sole purpose of improving and assuring the reliability of the Bureau's 53 hydro facilities. The Tyee facility review scope of work will include:

- Review of historical maintenance data provided by SEAPA prior to arrival onsite to perform initial evaluation of the facility maintenance program;
- A Power Review of the Operations and Maintenance of SEAPA's Tyee Facility;
- Evaluation of Mechanical and Electrical maintenance practices to include scheduling, documentation, and testing with FIST and Industrial Standards;
- Evaluation of engineer's test data accumulated during the on-site inspection;
- Evaluation of operation practices in accordance with FIST manuals and local policy;
- Evaluation of management programs in accordance with FIST manuals and local policy;
- Evaluation of overall effectiveness of the facility's Maintenance Management program;
- Performance of a safety program overview for compliance and implementation; and,
- Provision of a formal report of the review to SEAPA with recommendations per the Bureau's standards.




## MEMORANDUM

TO: John Jensen, Chair  
Southeast Alaska Power Agency

FROM: Mr. Joel Paisner, Ascent Law Partners, LLP

DATE: November 16, 2015

RE: Minor and Non-Substantive Bylaw Changes



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The SEAPA Board of Directors approved changes to the existing bylaws at its March 25-26, 2015 board meeting. In preparing a final version of the approved bylaws, certain minor corrections were identified that require correction. These minor changes to the bylaws are not substantive in nature, and a unanimous vote by the Board of Directors approving them is all that is required to adopt them. *See* SEAPA Bylaws, Section 2.11.5 (a). A redlined copy of those minor and non-substantive changes will be emailed to the board prior to the meeting for review.

A suggested motion for approval of the changes to the Bylaws is as follows:

I move to approve the minor and non-substantive changes to SEAPA's Bylaws, as presented in the draft provided to the board of directors at the December 10, 2015 meeting in its entirety.



## **SOUTHEAST ALASKA POWER AGENCY**

### **DOCUMENT RETENTION AND DISPOSAL POLICY**

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**Date:** December 1, 2015

**To:** SEAPA Board of Directors

**From:** Trey Acteson, CEO

**Subject:** Resolution No. 2016-062 Re: Document Retention Policy

Attached for your consideration is Resolution No. 2016-062, which serves to set up guidelines for record retention and disposal for the Agency's business operations. The proposed policy refers to a document retention schedule, which will be emailed to the Board for review prior to the Board meeting.

Please consider the following suggested motion:

<b>SUGGESTED MOTION</b>
<b>I move for approval of Resolution No. 2016-062 adopting a Document Retention Policy for record retention and disposal of SEAPA's records.</b>



## SOUTHEAST ALASKA POWER AGENCY

### RESOLUTION NO. 2016-062\*\*

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#### **The Southeast Alaska Power Agency Authorizing a Document Retention Policy**

**WHEREAS**, in order to more efficiently manage its affairs, and provide direction to staff, the Southeast Alaska Power Agency (SEAPA or Agency) desires to adopt the attached Document Retention Policy;

**NOW THEREFORE, BE IT RESOLVED** that the Board of Directors of SEAPA hereby adopts the attached Document Retention Policy.

***This Resolution No. 2016-062*** was duly PASSED and ADOPTED by SEAPA's Board of Directors on the 10th day of December 2015 in Ketchikan, Alaska.

SOUTHEAST ALASKA POWER AGENCY

By \_\_\_\_\_  
Chairman of the Board

ATTEST:

\_\_\_\_\_  
Secretary/Treasurer



## **SOUTHEAST ALASKA POWER AGENCY**

### **DOCUMENT RETENTION POLICY**

**December 2015**

#### **Goals and Objectives**

The purpose of the Document Retention Policy (the "Policy") is to ensure that the Southeast Alaska Power Agency ("SEAPA" or "Agency") retains its official records in accordance with the requirements of all applicable laws and to ensure that official records no longer needed by the Agency are properly discarded. This Policy provides guidelines concerning the length of time official records should be retained for business operations, historical value, accounting, audit, financial purposes, compliance with applicable law, possible future use in litigation, an official proceeding or governmental investigation, audit or other matter. Other records, which are not necessary to retain for these reasons, shall be destroyed in accordance with the guidelines set forth in this policy. All other information that is not a record should be discarded after it has fulfilled its purpose to avoid the unnecessary expense and effort that would be required to preserve it.

Maintenance of all Agency records will involve identifying, classifying, archiving, preserving, and destroying records, which include a variety of media, including, but not limited to, paper, electronic, microfilm, analog cassette/videotapes, maps, drawings, photographs, magnetic tapes/disks, digitized video files, and optical disks.

#### **Policy**

Records of the Agency, which may be in electronic or paper form, shall be retained in accordance with these guidelines. Records that do not need to be retained shall be destroyed after the requisite retention period, if any, has passed. A log or other documentation of records destruction may be created to track compliance and assist in evaluating the effectiveness of this policy.

#### **Definitions for Purposes of this Policy**

<b>Term</b>	<b>Definition</b>
Active Data/Records	Electronic or paper records and information that are presently in use, are less than two years old, or are immediately accessible to users.
Archival Data/Records	Electronic or paper records and information that are not directly accessible to users, but which are maintained long term and accessible with some effort.

Backup Data/Records	Electronic or paper records and information that are not presently in use and which are routinely stored on portable media (e.g., disks, magnetic tape) and/or off-site and are a source for disaster recovery.
Business Essential Records	Records containing information that is essential to the continuing operation or survival of the department. These records should be managed in a way to ensure their survival in the event of a fire or flood.
Disposition	The process where a record is either destroyed or transferred to archives as prescribed by the records retention schedule.
Distributed Data/Records	Data living on portable media or “non-local” devices (i.e., employee home computer, iPads, application service provider, cell phones, etc.) (Most are likely active data.)
Electronically Stored Information (ESI)	Any file, document, data, image, database, etc. that is stored on a computing device or electronic media, including, but not limited to, servers, computer desktops and laptops, cell phone, hard drives, flash drives, CD's, DVD's, floppy disks, microfilm, magnetic tapes, and microfiche.
Legacy Data	Information which has retained some importance or usefulness to SEAPA for a period of time but has been created or stored by the use of software and/or hardware that has subsequently become obsolete or been replaced ('legacy systems').
Legal Hold	Pending or potential litigation, claims, governmental investigation and other circumstances may require a 'hold' or suspension of regularly scheduled destruction of records or other information. A 'legal hold' notice shall be issued if it becomes necessary to preserve a record or other information otherwise scheduled or due for ordinary and appropriate destruction in accordance with this policy.
Record	A 'record' is any information (paper or electronic) recorded in a tangible form that is created or received by SEAPA and documents some aspect of its operations. A record has some enduring value to SEAPA that merits its retention for some period of time. Records include original and copies of contracts and other legal documents, memos, reports, forms, checks, accounting journals and ledgers, work orders, drawings, maps, images, photographs, and may be found in various electronic or machine-readable formats, including without limitation, CD's, DVD's, tape recordings, voice mail messages, emails, microfiche, web pages, computer and other electronic files.
Retention	This refers to the length of time that records need to be kept.

Other Information/Data	'Other Information' or 'Data' is any other material that is of a transitory nature, that after serving its limited purpose of being transferred to a more permanent form, or being incorporated with other record material, SEAPA has no need to retain information except in the event of a legal 'hold'. Some examples are notes, drafts, routine correspondence, informational or courtesy copies, extra copies of filed or preserved records, and emails containing non-record information (such as scheduling or logistics information, etc.)

### **Retention of Records**

Records shall be indexed and retained in a manner that ensures their easy accessibility. Records shall be maintained for as long as the period stated in the schedule appended to this policy, which schedule is based on the minimum periods required by applicable State or Federal law and necessity for ongoing business purposes. The retention schedule will be reviewed periodically and amended as needed to reflect changing legal requirements, business needs or evolving practices.

### **Destruction of Records and Other Information**

Destruction of records shall occur within six (6) months after the time period stated in the schedule has been met. Other information should be discarded as soon as practical after it has served its purpose unless subject to a legal hold.

Destruction may occur by the following acceptable methods:

#### **Paper:**

- Recycling or trash if no sensitive, personally identifiable or confidential information is included
- Shredding, burning, or pulverizing if sensitive, personally identifiable or confidential information is included

#### **Electronic:**

- Deletion of records and data on shared network files, computer desktop, laptop hard drives, cell phones, and iPads, including personal copies
- Deletion of distributed data/records on peripheral devices and portable storage media (i.e., flash drives, memory sticks, CD's, DVD's, etc.)
- Erasing or recycling of magnetic tapes

## Types of Records

There are four types of records that impact retention:

<b>Administrative/Operational</b>	These records are needed for current operations of the Agency.
<b>Financial</b>	Financial records document fiscal transactions needed for audit purposes.
<b>Legal</b>	Records with legal value document the creation of the Agency, divestiture and restructuring, and current ongoing operations, development and current operations of its hydroelectric projects, document employee data, and pertain to contractual obligations, and any Agency regulatory obligations.
<b>Historical</b>	Records have historical value if they document policies, procedures, or historical activities.

## Department Responsibilities

Responsibility for the maintenance and destruction of Agency records falls to the following:

Finance/Personnel/Purchasing	Controller
Administrative/Legal/Historical	CEO/Executive Assistant
Operations and Maintenance and Power Plant Operations	Operations Manager/ Administrative Assistant

## Suspension of Destruction of Records/Legal Hold

A legal hold is the process for suspending the destruction of records and other information that becomes necessary for SEAPA to preserve for various reasons. Following consultation with SEAPA's legal counsel, a determination will be made regarding the need to preserve records and a notice will be distributed accordingly.

## Compliance

Every SEAPA employee and director is required to comply with this Document Retention Policy.

## Policy Review

A review of this policy will take place at least annually, at which time amendments to the policy may be made as necessary.

**Date:** December 3, 2015  
**To:** Trey Acteson, Chief Executive Officer  
**From:** Eric Wolfe, P.E., Director of Special Projects  
**Re:** SEAPA 2016 Operations Plan - Water Management

### Introduction and Swan Lake Model

This year unlike any previous year that SEAPA has managed reservoir operations, we will not have the flexibility to spill excess water over the Swan Lake spillway. As you know there are only two paths<sup>1</sup> for inflows to leave Swan Lake, either through the powerhouse for generation or over the spillway. Our construction project to increase storage at Swan Lake requires concrete demolition and form work and concrete placement; followed by installation of 78 ft of flashboards, and installation of a 40,000 lb. vertical gate. This activity which is to take place in the spillway is scheduled to occur from early April through September with a two-week float period into October. Interruption of this work due to avoidable spill events would cause extremely costly change orders and potentially present dangerous conditions for crews as they move the flexi-float barge away from the spillway slot.

In order to prevent spill at Swan Lake we need the flexibility to keep Swan Lake units on line and generating if the reservoir level increases at a rate that jeopardizes the construction project. In addition to availability, SEAPA may need access to municipal loads during times when rates of reservoir fill exceed planning targets. Consider the table of recent statistics and the plot below.

	Swan Lk. Generation MWh	Swan Lk. Generation % of Avg.	Swan Lk. Inflow % avg	Swan Lk. Inflow ac-ft	Swan Lk. Spill ac-ft
2012	81,529	109%	108%	331,975	86,398
2013	70,525	94%	102%	313,968	0
2014	67,259	90%	117%	357,257	172,144

Avg Inflow from Falls Crk USGS gage prorated for drainage area  
 Avg inflow approximately 306,360 ac-ft or 423 cfs  
 Avg 20 yr generation from SWL is 75,119 MWh  
 table source: SWL Construction Limits\_Gen & Inflow model

Table 1 - Recent Swan Lake Statistics

Figure 1 is what would result if we generated at Swan Lake using our normal dispatch routines and any one of three recent inflow patterns occur. Using a

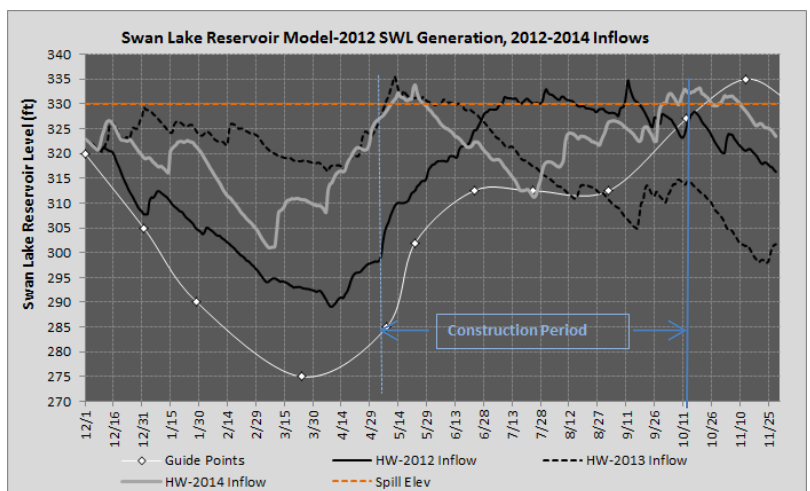


Figure 1 - Plot of the resulting Swan Lake elevations for 3 inflow cases (2012, 2013, and 2014) using actual 2012 generation.

<sup>1</sup> There is a small bypass valve on the penstock of Unit #1; flows only marginally increase and if the very infrequently used valve were to stick, the valve would then present an uncontrollable flow that would require the tunnel to be dewatered.

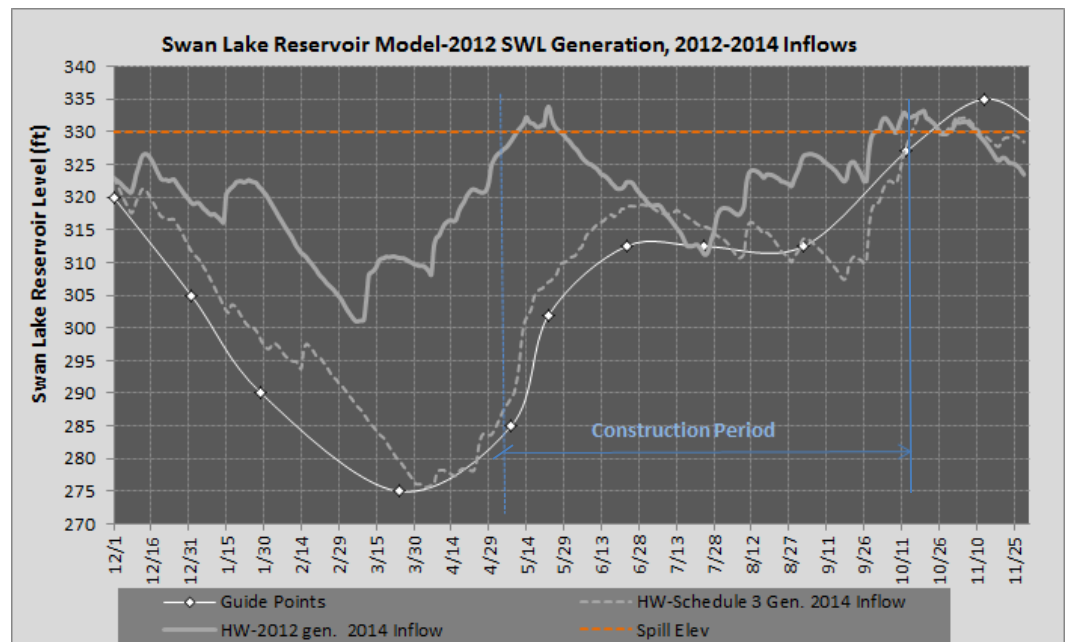
probable start elevation of 323 ft on December 1, 2015, and assuming any one of three recent inflow cases (2012, 2013, or 2014), the spillway would be flooded in the spring, summer, and/or fall.

Construction could not occur using our standard operations plans of recent years. In order to avoid spill, SEAPA must maintain water levels as close as possible to the guide point plot in Figure 1, above, and Figure 2, below.

Figure 2 is a plot of the original scenario of actual 2012 generation (highest) and 2014 inflow (highest of the three); and also a plot of the same inflow case but with the generation pattern of Table 2, below. Unit loads in Table 2 are monthly averages. Note total annual generation of Table 2 is 81,468 MWh, which is very close to the actual annual total of 2012 (81,529 MWh). What is different is how this generation total is dispatched. In order to avoid spill, significant Swan generation occurs above recent year levels for June, August, and September. Depending on snowpack and rain, it is easy to envision May generation above the particular case shown (there is no Swan generation in May).

Annual Total =	81,468	
<b>sched3</b>	<b>Unit 1</b>	<b>Unit 2</b>
Jan	8.0	8.0
Feb	10.0	0.0
Mar	9.0	0.0
Apr	8.0	0.0
May	0.0	0.0
Jun	5.0	0.0
Jul	8.0	0.0
Aug	11.5	0.0
Sep	11.0	0.0
Oct	9.0	0.0

**Table 2 - Generation schedule for avoiding spill at Swan Lake during 2016 assuming an inflow sequence similar to 2014**



**Figure 2 - Reservoir simulation results for two cases: Case 1, 2014 inflows and actual 2012 generation, and Case 2, 2014 inflows and generation as listed in Table 2.**

Our lowest load months, June and September, mean SEAPA may need to request minimum import levels during the day and especially during the late evening and early morning hours such that Swan Lake reservoir levels remain near the guide point plots of Figure 2. We say *may* need to request because at this time we don't know whether next spring and summer there will be conditions like the last two years, above normal inflows and lower import demands; or if we will have conditions represented by lower inflows and high municipal electrical demand. SEAPA staff therefore suggests consideration of the following two 2016 Operations Plan actions for Swan Lake.

### Operation's Plan Action #1 (Ops Plan Action #1)

Swan Lake Reservoir draft targets as shown by the guide points' curve in Figure 2 will be the basis for Swan Lake Reservoir operations.

The second Operations Plan action item (Ops Plan Action #2) for Swan Lake is presented as an options list. We have suggested SEAPA may need access to municipal loads to prevent spill. Since the project is an increase in the energy capabilities of Ketchikan's dedicated resource, we suggest the following options for Ops Plan Action #2; these actions would only apply to Ketchikan, be on an intermittent basis, and would be the result of inflows exceeding those expected for the period.

- a. Have no agreement in place with Ketchikan for SEAPA to increase generation at Swan Lake over what would normally occur. This means KPU would dispatch their existing hydro and Swan would fill in the balance to meet firm Ketchikan loads. SEAPA would absorb the construction cost increases and construction risks. The practical application of this option is that SEAPA would draft Swan Lake as much as possible and dismiss all planned maintenance at Swan Lake and delay into 2017 much of the planned maintenance for transmission lines.
- b. Agree that on an interim basis and only if reservoir levels project under guide curve limits, to implement import schedules such that KPU decreases existing hydro output such that Swan generators have additional load to serve. This would help ensure against spill. We are uncertain what the exact impact to KPU resulting from import requests would be, but a reasonable limit of the KPU system would be near 3 MW; using the values of Table 3, the maximum impact would then be near 7,000 MWh. Examples of practical applications such that Swan units remain as fully loaded as possible:
  - I. Late evening and early morning minimum import requirements (e.g., KPU imports during the late evening must be 5.5 MW or greater)
  - II. Minimum import requirements during the day (e.g., KPU would import at least 9 MW) such that Swan generators have a larger load to serve.

Option b-KPU Hydro Reduction						
		LL	LL	HL	HL	
	Days	MW	Hrs.	MW	Hrs.	MWh
May	15	2	8	2	16	720
June	30	3	8	3	16	2160
July	31	2	8	1.5	16	1240
Aug	31	2	8	1.5	16	1240
Sept	30	3	8	2	16	1680
<u>Total</u>						<u>7040</u>
LL- light load hours (10 pm to 6 am)						
HL- Heavy Load hours (6 am to 10 pm)						

Table 3 Import values and hours per month to estimate impact to KPU

- c. Delay maintenance *and* implement minimum import limits
- d. A board consensus option

## Ops Plan Action #2

Because this is a different approach than previous Operations Plans, staff anticipates there will be discussion and offers the suggestion that SEAPA and KPU agree that Option C, above, be executed during the period May to September 2016 in order to prevent avoidable spill occurrences at Swan Lake during construction. Minimum import limits (imports must stay above) and durations to be implemented during the weekly scheduling call.

### Tyee Lake Model

As was done for Swan Lake, a reservoir math model using actual generation and reservoir levels was created for Tyee; this model then calculates inflows. Inflows were then input into a second model which calculates forward reservoir levels relative to expected generation requirements. Using this industry accepted modeling practice we can develop a plan for various inflow regimes at Tyee. Before getting into the details of the Tyee 2016 operations plan, a brief explanation regarding the expected capabilities of Tyee is prudent.

IECo design documents list the annual firm energy of Tyee as 130,000 MWh; these documents also state that in order to capture the full benefit of the project, Tyee Lake should be drafted to elevation 1250 ft. If you change the term "firm energy" to "expected case energy" then our experience and our modeling verify the IECo design values. The plots shown in Figure 3 use our average inflow case, which is 4.5% less inflow than the IECo value; resulting model generation for the plotted case is 126,132 MWh or 97% of the IECo expected case, but 8 ft of additional storage is created with the SEAPA inflow case which then matches the IECo energy capability. We are not advocating drafting Tyee to elevation 1250 ft, but it is important to note that our draft case later in the model discussion is conservative relative to the design basis of the project.

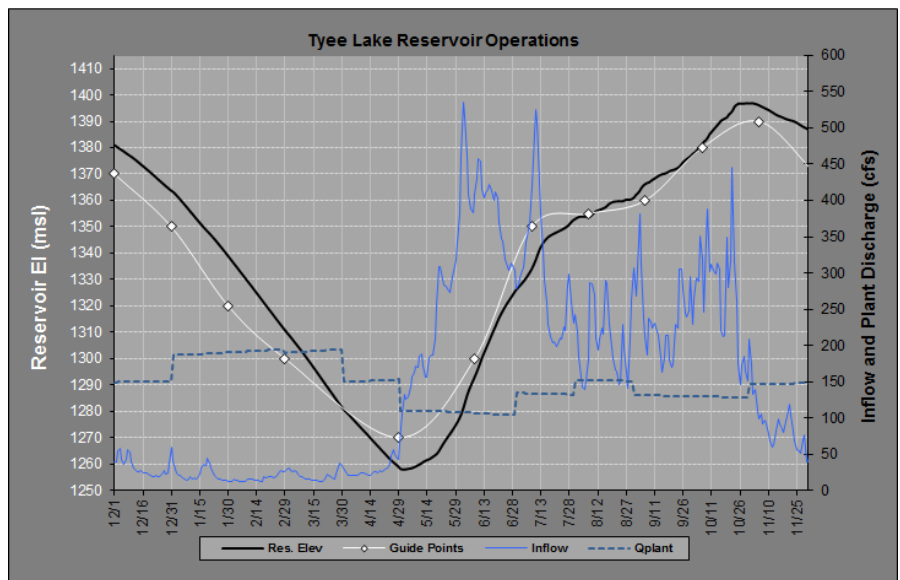


Figure 3- Tyee simulation which verifies an expected energy production of 130,000 MWh with average case or expected inflow

## 2016 Tyee Operations Plan Assumptions

### Municipal Electrical Demand:

Simulations used the highest imports for each month from the recent past, stacked concurrently; total municipal imports would be 191,194 MWh, significantly greater than the historic maximum of 184,207 MWh

PSG, WRG, and KTN Imports by Month (MWh)					Energy	" + losses"	Daily E	Tyee	Swan
	2011	2012	2013	2014	Max	Max	Avg.	Avg.	Avg.
JAN	19,071	19,221	15,377	16,106	19,221	20,279	27.3	18.5	8.8
FEB	16,100	16,372	14,764	19,209	19,209	20,266	30.2	18.5	11.7
MAR	17,376	17,764	15,051	17,800	17,800	18,780	25.2	18.0	7.2
APR	12,144	13,935	13,691	14,305	14,305	15,092	21.0	14.0	7.0
MAY	10,011	10,371	9,752	8,690	10,371	10,941	14.7	10.0	4.7
JUN	9,337	8,777	8,901	10,963	10,963	11,566	16.1	10.0	6.1
JUL	13,643	11,853	14,938	13,052	14,938	15,761	21.2	13.0	8.2
AUG	14,578	11,332	17,030	13,602	17,030	17,967	24.1	15.0	9.1
SEP	9,965	9,799	13,591	11,324	13,591	14,339	19.9	13.0	6.9
OCT	11,832	15,132	13,460	10,800	15,132	15,965	21.5	13.0	8.5
NOV	16,643	18,883	18,219	14,284	18,883	19,923	27.7	15.0	12.7
DEC	17,607	19,751	19,446	17,898	19,751	20,838	28.0	15.0	13.0
Total	168,306	173,192	174,221	168,033	191,194	201,717			
SEAPA Generation		183,279	184,207	178,759					
Losses		5.5%	5.4%	6.0%					
Losses include step-up transformer, transmission, and step-down transformer									

Table 3 - Recent municipal imports and SEAPA exports, and the resulting Tyee and Swan generation requirements.

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Inflows - Two lower-than-normal inflow cases were used: 92% of normal (2013 inflows) and 89% of normal (1965 gage data adjusted down for reservoir tributary area being less than the gage drainage).

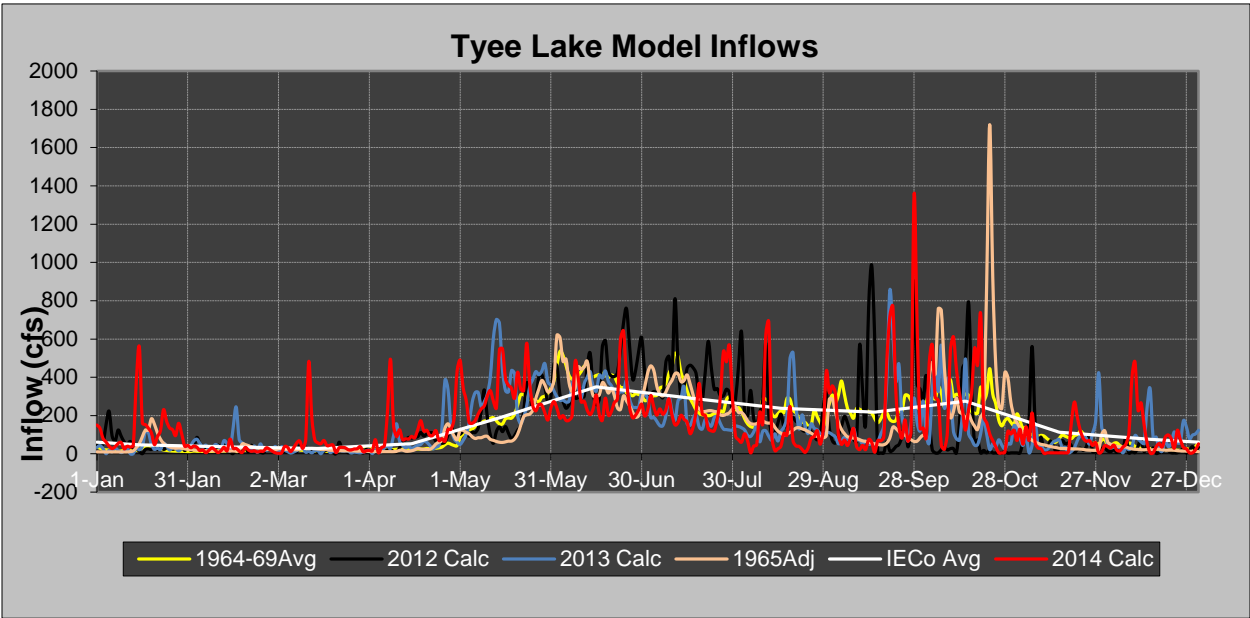


Figure 4 - Tye inflow history comprised of gage recordings and calculated values

Model Cases and Conclusions:

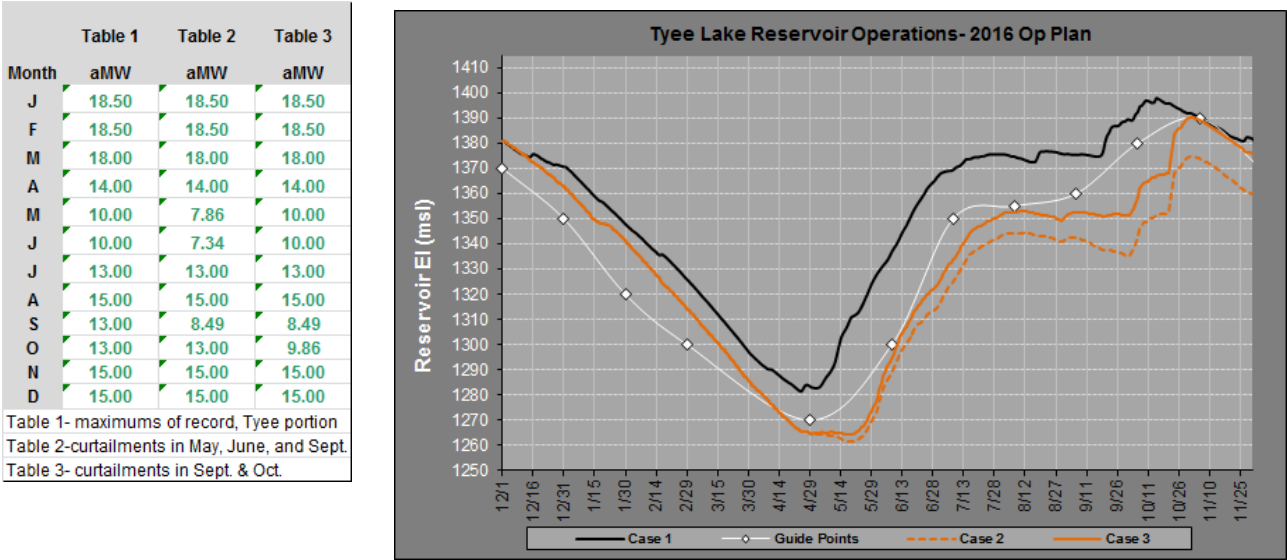


Figure 5 - Tye reservoir simulations, generation requirements and resulting reservoir levels. Table 1 Tye generation 120,549 MWh; Table 2, Tye Generation- 119,378 MWh, Table 3 Tye Generation 120,549 MWh, shown as monthly average

Case 1: Uses loads of Table 3 and an inflow case of 90% of normal; this case did not draft during the winter below the guide points curve even with the higher loads because the starting level (actual condition now) is significantly above the guide points curve. In August, the trajectory of water levels into September is below the guide curve so Tye serves only Wrangell and Petersburg during September and October. If curtailments are not issued the reservoir would end near 1360 ft.

	Table 1	Table 2	Table 3
Month	aMW	aMW	aMW
J	18.50	18.50	18.50
F	18.50	18.50	18.50
M	18.00	18.00	18.00
A	14.00	14.00	14.00
M	10.00	7.86	10.00
J	10.00	7.34	10.00
J	13.00	13.00	13.00
A	15.00	15.00	15.00
S	13.00	8.49	8.49
O	13.00	13.00	9.86
N	15.00	15.00	15.00
D	15.00	15.00	15.00

Table 1- maximums of record, Tyee portion  
Table 2- curtailments in May, June, and Sept.  
Table 3- curtailments in Sept. & Oct.

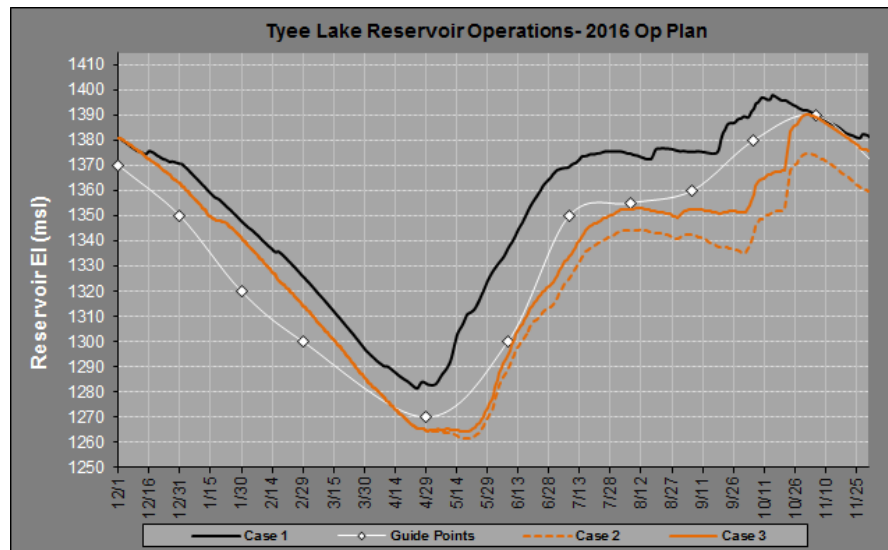


Figure 5 - Replotted for convenience to correspond with the text of Case 2 and Case 3. Tyee generation requirements are shown in Table 1, 2 and 3, and resulting reservoir levels for the two inflow cases are plotted; the black trace is for 2013 inflow and the orange traces use the 1965 adj inflow (89% of normal).

Case 2: Uses loads of Table 1 and an inflow case of 89% of normal, with less winter inflows than Case 1 the reservoir dips below the guide points curve in April; no curtailments are issued and the reservoir ends the year 10 ft below the guide curve at elevation 1360. This would be similar to 2012 operations when we surmised that the next inflow cycle would be wet (2012 ending reservoir level was 1354.7 ft).

Case 3: The same inflows and loads as Case 2 through the winter months, but in May and June, and again in September curtailment of Tyee exports south are implemented (Table 2). Tyee carries only the northern communities during these months. The reservoir ends above the guide points curve.

The three cases indicate that the guide points curve protects the Northern Community's dedicated resource while giving KPU the maximum opportunity and flexibility to avoid diesel generation. We are not suggesting curtailment is going to occur, only that if it should occur under low inflow - high load circumstances, that the curtailments be executed either in the lowest load months or during the highest inflow months. Please also note that the Tyee model relies on less Swan generation (7% less) than what was used in the Swan Model of the previous section. Therefore it is unlikely curtailments will occur this year as Swan will be able to increase generation in the event of high North End imports; this would be concurrent with the need to prevent spilling at Swan Lake.

### Ops Plan Action #3

For 2016, SEAPA staff should utilize the guide points curve shown in Figure 5 as a basis for maximum draw-down levels at the Tyee Lake Reservoir.

A few anticipated questions and answers are listed on the following page.

The following is a suggested motion to set the 2016 Operations Plan guidelines:

SUGGESTED MOTION										
I move to approve the following for SEAPA's 2016 Operations Plan:										
<b>Action #1:</b> The Swan Lake draft and fill schedule will be guided by the values of Table 'X', below.										
<b>Action #2:</b> SEAPA will forego, if necessary, planned annual maintenance at both Swan Lake and on SEAPA transmission, and SEAPA and KPU should agree that if necessary in order to prevent avoidable spill occurrences at Swan Lake during construction, during the period May through September 2016, minimum import limits (imports must stay above) can be used to secure load for Swan Lake. Limits and durations to be implemented during the weekly scheduling call. KPU hydro reductions to achieve the import limits are suggested by the values of Table 'Y', below.										
<b>Action #3:</b> For 2016, SEAPA staff should utilize the guide points curve included below as Table 'Z' as a basis for maximum draw-down levels at the Tyee Lake Reservoir.										
Table X		Table Y – KPU Hydro Reduction							Table Z	
Date	SWL El. (ft)			LL	LL	HL	HL		Date	TYL El. (ft)
12/01/15	323		Days	MW	Hrs.	MW	Hrs.	MWh	12/01/15	1370
01/01/16	305	May	15	2	8	2	16	720	12/31/15	1350
01/29/16	290	June	30	3	8	3	16	2160	01/30/16	1320
03/24/16	275	July	31	2	8	1.5	16	1240	02/29/16	1300
05/08/16	285	Aug.	31	2	8	1.5	16	1240	04/29/16	1270
05/23/16	302	Sept.	30	3	8	2	16	1680	06/08/16	1300
06/23/16	312.5	Total						7040	07/08/16	1350
07/24/16	312.5	LL – light load hours (10 p.m. to 6 a.m.)							08/07/16	1355
09/02/16	312.5	HL – heavy load hours (6 a.m. to 10 p.m.)							09/06/16	1360
10/13/16	327								10/06/16	1380
11/13/16	335								11/05/16	1390
12/08/16	330								12/05/16	1370

[Remainder of page intentionally left blank.]

## Anticipated 2016 Operations Plan Questions and Answers:

*This year, as opposed to previous years, Swan and Tyee appear to have separate plans. Why draft Tyee to the levels indicated; and at the same time ask for more load from Ketchikan?*

Answer: Because we really have two conditions to plan for: the dry case in which we'll have no trouble avoiding spill at Swan, and the wetter, warmer case like the conditions of the last two years. Under the dry case, we will need to have a Board of Directors approved maximum draft limit for Tyee so PMP&L and WML&P know there will be enough water to meet their municipal load obligations in the summer months following the Tyee winter draw-down. For the wet scenario, or the expected case, we think significant spill at Tyee will occur and we also expect to have problems in the spring and during September avoiding spill at Swan Lake.

*Why doesn't the Board of Directors approve a maximum and minimum water level by month?*

Answer: There is no downside to having more water than expected; it means loads were lower than expected, that we've met municipal import demands and we have water left over for future months. So having an upper water limit really does not make sense. Also, things happen fast this close to the Gulf of Alaska and we need a policy rather than a fixed operating schedule. If we fix the upper limit, it forces us to set fixed generation schedules.

*How do the guide curves presented as guide point plots in the 2016 Ops Plan compare to previous reservoir guide curves?*

Answer: 2014, 2015 and proposed 2016 maximum draft limits (the lowest lake levels allowed) are shown below. We've only exceeded the maximum draft limit once (at Tyee) and that was in light of an enormous snow pack.

Operations Plan Maximum Draft Limits			
	2014	2015	2016
Swan Lake	275	285	275
Tyee Lake	1265	1280	1270

*How do we know the models work; how do you check the models?*

Answer: The models use hydraulic methods established over the last 50 years by hydro utility planning groups. We check the models by calculating inflows from known daily generation and water level records, and then check the calculated inflows with precipitation records. We then input actual generation and the derived inflow and make sure the calculated water levels match the actual water levels.<sup>2</sup> It sounds a bit like smoke and mirrors, but in reality all optimization routines use this methodology to derive inflows after stream gage records are no longer available.

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<sup>2</sup> A copy of the model verification document is available upon request.



## SOUTHEAST ALASKA POWER AGENCY

SWL Reservoir Expansion Project (Fixed Wheel Gate)

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**Date:** December 1, 2015

**To:** Trey Acteson, CEO

**From:** Eric Wolfe, P.E., Director of Special Projects

**Subject:** Swan Lake Reservoir Expansion Project (Fixed Wheel Gate)

Four (4) qualified bids were received November 30 for SEAPA's Swan Lake Reservoir Expansion Project (Fixed Wheel Gate). All bids were from qualified suppliers, in the expected price range, and had well organized and complete proposals. These bids are currently under review by SEAPA staff and our engineering contractor, McMillen/Jacobs. We will have the bid comparison document available for review and hand out a suggested motion with staff's recommendation of an award during the board meeting.



## **SOUTHEAST ALASKA POWER AGENCY**

USFS Volunteer Maintenance Agreement

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**Date:** December 1, 2015  
**To:** Trey Acteson, CEO  
**From:** Steve Henson, Operations Manager  
**Subject:** USFS Volunteer Maintenance Agreement

In the ongoing effort to facilitate public relations, the board authorized funds in the amount of \$7,500 in SEAPA's FY16 budget (Account #930110) for sponsorship of Forest Service cabins.

Staff met with a Wrangell District Ranger in early August of this year to discuss SEAPA's sponsorship of cabins near Wrangell and as discussions evolved, cabins that could be also be sponsored in Petersburg and Ketchikan were identified. Although a trail was initially identified for sponsorship, it would have been cost prohibitive so a cabin near Petersburg was chosen that could be more readily accessed. Descriptions of the cabins and details of the maintenance and sponsorship SEAPA will commit to are set out in the attached draft Volunteer Maintenance Agreement. This Agreement is provided to you as an overview of SEAPA's time and monetary commitment for this venture; however, the agreement must be circulated through a Federal Central Processing network for review and may be returned in a different form than the attached.

Staff seeks the board's approval for the venture and authority to enter into the form of agreement that is returned by the Forest Service following processing.

Please consider the following suggested motion:

<b>SUGGESTED MOTION</b>
<p><b>I move to authorize staff to enter into a Volunteer Maintenance Agreement with the US Department of Agriculture Ranger Districts in Ketchikan, Wrangell, and Petersburg for the following public use recreational cabins: (1) cabin located at Eagle Lake near Wrangell, (2) cabin located at the mouth of the Harding River near Wrangell, (3) cabin located at Reflection Lake near Ketchikan, and (4) cabin located at Swan Lake above Thomas Bay near Petersburg. The Agreement will be effective for a three-year term with an option to renew annually thereafter until otherwise terminated.</b></p>

Attachment:  
Draft Volunteer Maintenance Agreement

## VOLUNTEER MAINTENANCE AGREEMENT

The parties to this Volunteer Maintenance Agreement ("Agreement") are **THE SOUTHEAST ALASKA POWER AGENCY**, a Joint Action Agency formed under Alaska Statutes §§ 42.45.300, *et seq.*, of 1900 First Avenue, Suite 318, Ketchikan, Alaska 99901, hereinafter referred to as "Agency", "SEAPA", or "Volunteer" and the following U.S. Department of Agriculture Ranger Districts located in Southeast Alaska:

**Wrangell Ranger District**

Tongass National Forest  
Post Office Box 51  
Wrangell, Alaska 99929-0051

**Ketchikan Misty Fiords Ranger District**

Tongass National Forest  
3031 Tongass Avenue  
Ketchikan, Alaska 99901

**Petersburg Ranger District**

Tongass National Forest  
Post Office Box 1328  
Petersburg, Alaska 99833-1328

hereinafter collectively referred to as "Ranger Districts".

### RECITALS

A. The Wrangell Ranger District has jurisdiction over public use recreational cabins, one of which is located at Eagle Lake near Wrangell, Alaska, and the other at the mouth of the Harding River, which intersects the Bradfield Canal, both of which are located near the community of Wrangell, Alaska.

B. The Ketchikan Misty Fiords Ranger District has jurisdiction over a public use recreational cabin located at Reflection Lake, which is near the community of Ketchikan, Alaska.

C. The Petersburg Ranger District has jurisdiction over a public use recreational cabin located at Swan Lake above Thomas Bay, which is near the community of Petersburg, Alaska.

The cabins described above shall be collectively referred to herein as "Recreational Cabins".

D. The Agency desires to sponsor the Recreational Cabins by volunteering to conduct inspections, perform light maintenance, and conduct operations at each cabin as more particularly described in the USDA Recreational Cabin Maintenance Inspection Form attached hereto as **Exhibit A** and made a part hereof for the purpose of preserving the public's recreational use of each cabin. The Wrangell Ranger District acknowledges that the Recreational Cabin at Eagle Lake may be scheduled for destruction due to funding cuts.

## AGREEMENT

In consideration of the mutual promises contained herein, the parties agree as follows:

1. Responsibilities of Volunteer. Agency agrees that it will commit an employee or an agent of Agency to visit each cabin in the early spring, mid-summer, as needed, and the end of each fall season annually unless this Agreement is otherwise terminated by any party according to paragraph 4 below. During each visit, Volunteer agrees to do an inspection, perform the light maintenance described in Exhibit A, and note anything beyond light maintenance that may be needed on an Inspection Form in the form attached as Exhibit A. In the event any of the cabins need maintenance beyond light maintenance, such as a broken window, new outhouse pit, roof failure, etc. the appropriate Ranger District may negotiate with Agency for materials, work, etc. to perform the maintenance on a case-by-case basis. Following each visit, Agency shall submit a completed Inspection Form to the appropriate Ranger District.

2. Disclaimer. Agency acknowledges that it is sponsoring the Recreational Cabins on a volunteer basis. The Ranger Districts acknowledge and agree that Agency is not legally obligated to conduct inspections or perform light maintenance and operations of the cabins and that such effort is not undertaken by Volunteer to help or protect its own interests. Agency agrees to render its volunteer services to the Ranger Districts without any express or implied promise of compensation of any kind.

3. Other Conditions. The parties agree to the following conditions:

a. Agency shall not interfere or in any way preclude the public's use and enjoyment of the Recreational Cabins.

b. No additions or changes to the Recreational Cabins may be undertaken without written request by Agency and approval of the appropriate Ranger District.

c. The Agency will coordinate with the appropriate Ranger District, at least two weeks in advance, for reservations necessary for blocking out the needed time period for the maintenance, and strive to do so when it minimizes impacts on the public.

d. Allowable activity the Agency may choose to undertake at its discretion is defined below:

i. Notifying the appropriate Ranger District of hazardous materials, debris, or dangerous conditions in or around the Recreational Cabins.

ii. Reporting graffiti, vandalism, or destruction of a cabin to the appropriate Ranger District.

iii. Providing monetary or in-kind donations to support additional or enhanced maintenance of the Recreational Cabins and Trail.

iv. Agency may take photographs of its activities in connection with its volunteer services and Ranger Districts consent to the Agency's use of any such photographs for Agency's purposes.

v. Agency may post a sign, conforming to USFS specifications and regulations, as approved by the USFS in each of the Recreational Cabins acknowledging SEAPA's sponsorship.

4. Term of Agreement. This Agreement is effective as of \_\_\_\_\_, 2016 and shall remain in effect for a three-year term, with an option to renew annually thereafter, until otherwise terminated. Any party hereto may terminate this Agreement for any reason whatsoever by giving thirty (30) days' written notice to the other of its intent to terminate.

5. Indemnification.

a. The Ranger Districts, individually and collectively, their officers, employees, and agents shall not be responsible for any and all injuries and/or damages incurred to Agency's property and/or sustained by Agency's officers, directors, employees, and agents, or for any and all claims by third parties against the Ranger Districts, their officers, employees, and agents and/or Agency's officers, directors, and employees, which may arise out of the services performed under this Agreement. The Ranger Districts, individually and collectively, shall hold Agency harmless from any and all third party claims against the Ranger Districts, individually or collectively.

b. The Agency, its officers, directors, employees, and agents shall not be responsible for any injuries and/or damages incurred to private property and/or the Recreational Cabins and/or sustained by the Ranger Districts, individually or collectively, their officers, employees, and agents, and/or members of the public, for any and all claims which may arise out of the services performed by Agency on Ranger Districts' behalf under this Agreement.

6. Amendment. No amendment of this Agreement shall be binding on any of the parties unless set forth in a written document duly executed by the authorized representatives of each party.

7. Governing Law. This Agreement shall be governed by the laws of the State of Alaska. Venue of any action shall be in the Superior Court of the State of Alaska, First Judicial District at Ketchikan.

**IN WITNESS WHEREOF**, the parties hereto have executed this Agreement the day and year written below.

SOUTHEAST ALASKA POWER AGENCY

By \_\_\_\_\_  
Trey Acteson, CEO

Date: \_\_\_\_\_

UNITED STATES FOREST SERVICE  
WRANGELL RANGER DISTRICT, TONGASS NATIONAL FOREST

By \_\_\_\_\_  
Robert J. Dalrymple, District Ranger

Date: \_\_\_\_\_

UNITED STATES FOREST SERVICE  
KETCHIKAN MISTY FIORDS RANGER DISTRICT  
TONGASS NATIONAL FOREST

By \_\_\_\_\_  
Jeff Defreest, District Ranger

Date: \_\_\_\_\_

UNITED STATES FOREST SERVICE  
PETERSBURG RANGER DISTRICT, TONGASS NATIONAL FOREST

By \_\_\_\_\_  
\_\_\_\_\_, District Ranger

Date: \_\_\_\_\_

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## SOUTHEAST ALASKA POWER AGENCY

SSRAA Memorandum of Understanding

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**Date:** December 1, 2015

**To:** SEAPA Board of Directors

**From:** Trey Acteson, CEO

**Subject:** Southern Southeast Regional Aquaculture Association (SSRAA)  
Memorandum of Understanding

In June of this year, SSRAA advised that they secured all the necessary permits for the release of Chinook smolt in Carroll Inlet near the Swan Lake Project during May 2016. In the past, SSRAA has negotiated an agreement with KPU to allow their personnel to live on site at the Swan Lake Project during their activities. They are requesting a similar arrangement with SEAPA which entails the use of dock and wall-tent space with access to the Project's electrical and other facility amenities. The particulars of their requested arrangement are addressed in the attached Memorandum of Understanding drafted for your consideration. Because there will be other projects occurring in parallel at the facility, we cannot commit to bunkhouse use by their staff during the period they will be there to conduct their activities.

I have expressed my full support to SSRAA for their fisheries enhancement and entering into the MOU will demonstrate the synergies and interdependency of our two industries.

Please consider the following suggested motion:

SUGGESTED MOTION
<p><b>I move to authorize staff to enter into a Memorandum of Understanding with the Southern Southeast Regional Aquaculture Association (SSRAA) which identifies SEAPA's support services and the operational expectations of SSRAA and SEAPA during SSRAA's Chinook rearing season.</b></p>

Attachment:  
Memorandum of Understanding



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is entered into by and between the **Southeast Alaska Power Agency** (SEAPA or Agency), of 1900 First Avenue, Suite 318, Ketchikan, Alaska 99901, and the **Southern Southeast Regional Aquaculture Association, Inc.** (SSRAA), of 14 Borch Street, Ketchikan, Alaska 99901. The entities referred to herein may be individually referred to as 'party' or collectively as 'parties' to this MOU.

### Recitals

A. SEAPA is a Joint Action Agency of the State of Alaska, formed under Alaska Statutes §§ 42.45.300, *et seq.*, and owns the Swan Lake Hydroelectric Project (Swan Lake Project).

B. SSRAA is an Alaska non-profit corporation whose mission is to enhance and rehabilitate salmon production in southern Southeast Alaska to the optimum social and economic benefit of salmon users.

C. This MOU sets forth an understanding between the parties regarding annual support services requested of SEAPA by SSRAA at the Swan Lake Project. The SSRAA permitted remote Chinook rearing and release site in Carroll Inlet is located to the north of the state tidelands parcel occupied by SEAPA's Swan Lake Project.

D. This MOU identifies the operational expectations of both parties related to the generous ground support SEAPA offers SSRAA during the short spring Chinook rearing season.

E. SSRAA's mission is to enhance and rehabilitate salmon production in the region to the optimum social and economic benefit of the user groups.

F. SEAPA is supportive of the SSRAA mission.



MEMORANDUM OF UNDERSTANDING

Page 1 of 4 pages.

**NOW, THEREFORE, IT IS AGREED AS FOLLOWS:**

**Project Description**

Commencing in March 2016, SSRAA will deploy a permanently anchored aluminum Wavemaster net pen array framework near the head of Carroll Inlet adjacent to the SEAPA controlled state tidelands for the Swan Lake Project. This array will initially be 45 feet wide by 90 feet long consisting of two arrays and over time may increase to a total of four net pen arrays. This array system will be anchored in a stationary position by four concrete anchors from each corner of the array and will also include two rock anchor shore ties below MHW. The array system will seasonally have up to four 20 foot deep rearing nets deployed and in operation for approximately six weeks starting in April of every year. The net pen array will also have a small Quonset shed to house fish food for the rearing season. The site will be operated by up to two employees for the short rearing season and will be unoccupied the remainder of the year. This operation will rear 400,000 Chinook smolt for release on an annual basis.

SSRAA requests mooring for a work skiff at the Swan Lake Project during the Chinook rearing season and space for a wall tent to base operations. SSRAA also requests access to the bunkhouse kitchen, laundry, and restroom facilities for that same timeframe.

**Conditions of Operations:**

- Moorage for work skiff at SEAPA float (If no access at float for skiff moorage-request access to launch ramp and space to stage skiff trailer with 4-wheeler in yard area.).
- Yard area near one of the existing site buildings for wall tent to base operations with access to electrical via extension cord (or bunkhouse room if available).
- Access to bunkhouse amenities (may be restricted to restroom use only during specific SEAPA site projects). Guests at the facilities are expected to follow site policy for cleaning, laundry, cooking, etc.
- Storage space for a 55 gallon drum of outboard gasoline. Spill containment required.
- SSRAA will comply with all SEAPA site emergency training and site protocol as outlined by SEAPA.
- The Swan Lake Project is a drug and alcohol free facility. Accordingly, the possession and/or use of drug, alcohol, and other controlled substances are prohibited on all areas of the Swan Lake Project. Failure to abide will result in immediate removal of involved personnel from the site.

## **Reporting**

This agreement will be re-evaluated on an annual basis to assure all expectations are met by both parties at the end of the SSRAA rearing season each year. An annual pre-season meeting will also be conducted to make sure expectations are clear and SSRAA personnel receive required SEAPA site training and orientation as necessary.

## **Funding**

No funds are requested of either party. It is not anticipated that lodging in the bunkhouse will become available for SSRAA with other planned projects at the facility occurring in parallel.

## **Modification**

This MOU may be modified at any time by mutual agreement of the Parties with specific reference to this MOU. Any such amendment or modification shall be in writing and agreed to by both Parties.

## **Termination**

This MOU may be terminated at any time during the term hereof by either party giving thirty (30) days' written notice to the other of its intent to terminate.

## **Duration**

The SSRAA project at this location complies with a five-year permit renewal process with the Alaska Department of Natural Resources. However, the longevity of the project is best measured by the performance of other SSRAA remote release sites. Other SSRAA sites have successfully continued authorized operation for several decades and permit renewal is a formality. It is the intent of SSRAA for the reoccupation of the Carroll Inlet site to be a permanent part of the SSRAA program.

## **Insurance**

SSRAA represents that, at its cost and expense, it will maintain at all times during the term of this MOU, a commercial general liability insurance policy regarding the conduct or operations of its business at the Swan Lake Project, with the Agency as Additional Insured, with \$1,000,000 minimum combined single-limit coverage, or its equivalent. SSRAA shall issue a Certificate of Insurance to the Agency prior to the commencement of its operations at the Swan Lake Project showing that Agency is named as Certificate Holder and Additional Insured on the policy.



## Indemnification

SSRAA agrees, to the fullest extent permitted by law, to release, indemnify, defend, and hold harmless the Agency, its officers, directors, and employees against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by SSRAA's negligence during any of its activities at the Swan Lake Project and that of its subcontractors or anyone for whom SSRAA is legally liable.

## Contact Information

SSRAA  
Bret Hiatt – Operations Manager  
Bill Gass – Production Manager  
14 Borch Street  
Ketchikan, Alaska 99901  
907.225.9605  
[breth@ssraa.org](mailto:breth@ssraa.org) | [gass@ssraa.org](mailto:gass@ssraa.org)

SEAPA  
Steve Henson – Operations Manager  
1900 First Avenue, Suite 318  
Ketchikan, Alaska 99901  
O 907.228.2281 | C 907.617.1747  
[shenson@seapahydro.org](mailto:shenson@seapahydro.org)

**IN WITNESS WHEREOF**, the parties have executed this MOU as of the last date written below:

## SOUTHERN SOUTHEAST REGIONAL AQUACULTURE ASSOCIATION

By \_\_\_\_\_  
John Burke, General Manager

Date: \_\_\_\_\_

## SOUTHEAST ALASKA POWER AGENCY

By \_\_\_\_\_  
Trey Acteson, Chief Executive Officer

Date: \_\_\_\_\_





## SOUTHEAST ALASKA POWER AGENCY

Bell Island Geothermal Investigation

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DATE: December 3, 2015

TO: SEAPA Board of Directors

FROM: Trey Acteson, CEO

RE: Bell Island Geothermal Investigation

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During the November 3, 2015 special meeting of the Board of Directors, an executive session was held for discussion on legal matters regarding Bell Island. No action was taken following the executive session. Staff recommends that the Board take formal action to acknowledge that SEAPA's investigation of the Bell Island geothermal resource has concluded. This will allow Accounting to proceed with expensing what is currently listed as a deferred asset.

The following is a suggested motion:

SUGGESTED MOTION
Following conclusion of an investigation of the Bell Island geothermal resource, I move that no further action be taken.



## SOUTHEAST ALASKA POWER AGENCY REBATE MEMO

**Date:** December 2, 2015  
**To:** Board of Directors  
**From:** Trey Acteson  
**Subject:** FY2015 Rebate

The board approved a \$1,500,000 rebate at the June 10, 2015 board meeting. The rebate was recorded as a reduction to FY15 hydro power revenues. The rebate is conditional upon the successful completion of the FY15 audit and contingent upon satisfying bond covenant requirements including debt service ratio compliance.

I am pleased to report that the FY15 audit by BDO USA, LLC is complete and will be presented for your consideration and approval at this meeting. We are compliant with the debt service ratio requirements of the bond indenture, and therefore are in a position to approve distribution of the rebate at this meeting.

As in the past, the rebate share for each utility is based upon the last three years' average of firm kWh purchases from SEAPA. This includes the years FY2013 – FY2015 and is summarized in the table below:

kWh Purchases	Ketchikan	Petersburg	Wrangell	Total
FY13	85,850,000	40,798,210	37,640,010	164,288,220
FY14	100,494,000	44,570,360	38,692,500	183,756,860
FY15	78,484,000	39,911,120	38,254,270	156,649,390
Total kWh	<b>264,828,000</b>	<b>125,279,690</b>	<b>114,586,780</b>	<b>504,694,470</b>
Percentage	52.4729%	24.8229%	22.7042%	100.00%
Rebate Allocation	<b>\$787,093.50</b>	<b>\$372,343.50</b>	<b>\$340,563.00</b>	<b>\$1,500,000.00</b>

This rebate represents a reduction in the Wholesale Power Rate of nearly one cent (0.96) to FY2015 sales. The rate of 6.8 cents/kWh has remained the same for the last 18 years. The Board's approval is being requested to formally award the rebate amounts as defined above. A suggested motion follows:

### SUGGESTED MOTION

I move to authorize the distribution of a \$1,500,000 rebate with a pro rata share to each member utility based on an average of the last three years' firm kWh purchases from SEAPA as specified in Mr. Acteson's rebate memo dated December 2, 2015.



# PROPOSED SEAPA BOARD MEETING DATES 2016

Date(s)	Location	Comments
February 11-12 (Thurs-Fri)	Wrg	Split Mtg: Thur 1-5/Fri 9-2
April 28 (Thurs)	Ktn	9-5
June 8-9 (Wed-Thurs)	Psg	Split Mtg: Wed 1-5/Thurs 9-2
August 25 (Thurs)	Ktn	9-5
October 12-13 (Wed-Thurs)	Wrg	Split Mtg: Wed 1-5/Fri 9-2
December 14 (Wed)	Ktn	9-5

2016

January							February							March							April						
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31																											

May							June							July							August							
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September							October							November							December						
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(See attached for additional information on 2016 meeting dates and events)

# 2016 MEETING DATES | EVENTS

DATE	ORGANIZATION	EVENT   LOCATION
<b>JANUARY</b>		
1	SEAPA	HOLIDAY – New Year's Day
<b>FEBRUARY</b>		
15	SEAPA	HOLIDAY – President's Day
11-12 (T-F)	<b>SEAPA</b>	<b>Board Meeting - Wrangell</b>
16-18	NW Hydroelectric Association	Annual Conference (Portland)
24-25	Alaska Power Association	Legislative Conference (Juneau)
<b>MARCH</b>		
Spring 2016	Alaska Power Association	Federal Legislative Conf. (Washington, DC)
15-17	Southeast Conference	Mid-Session Summit (Juneau)
<b>APRIL</b>		
25-27	National Hydro Association	Annual Conference (Washington, DC)
28 (T)	<b>SEAPA</b>	<b>Board Meeting - Ketchikan</b>
<b>MAY</b>		
15-18	NWPPA	76 <sup>th</sup> Annual Conference & Membership Meeting (Tulalip, WA)
17-18	Northwest Hydro Association	NW Hydro Operator's Forum (Eugene, OR)
30	SEAPA	Holiday – Memorial Day
<b>JUNE</b>		
8-9 (W-T)	<b>SEAPA</b>	<b>Board Meeting - Petersburg</b>
<b>JULY</b>		
4	SEAPA	Holiday – Independence Day
26-29	HydroVision International	Conference – Minneapolis, Minnesota
<b>AUGUST</b>		
25 (T)	<b>SEAPA</b>	<b>Board Meeting - Ketchikan</b>
<b>SEPTEMBER</b>		
5	SEAPA	HOLIDAY – Labor Day
21-22	Southeast Conference	Annual Meeting (Petersburg)
21-24	Alaska Power Association/AIE	Annual Meeting (Cordova)
<b>OCTOBER</b>		
12-13 (W-T)	<b>SEAPA</b>	<b>Board Meeting - Wrangell</b>
17-21 (Estimate)	SEAPA	Annual Audit
Late October	Alaska Power Association	Accounting & Finance Workshop (Anchorage)
<b>NOVEMBER</b>		
11	SEAPA	HOLIDAY – Veteran's Day
24-25	SEAPA	HOLIDAY – Thanksgiving
<b>DECEMBER</b>		
7-8	Alaska Power Association/AIE	December Meeting Series (Anchorage)
14 (W)	<b>SEAPA</b>	<b>Board Meeting - Ketchikan</b>
23 & 26	SEAPA	Holidays – Christmas Eve & Christmas Day

## OTHER EVENTS/MEETINGS

- Petersburg Borough Assembly
- City & Borough of Wrangell Assembly
- Ketchikan City Council

2nd & 4th Monday every month  
 2nd & 4th Tuesday every month  
 1st & 3rd Thursday every month

X/Administration/2016 MEETING DATES (Updated 12.03.2015).docx