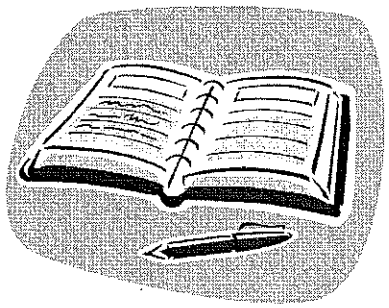


General Correspondence

City and Borough of Sitka

100 Lincoln Street Sitka, Alaska 99835

Coast Guard City, USA

April 3, 2013

Captain John F. Falvey, Jr., General Manager
Alaska Marine Highway System
By e-mail dot.amhs.comments@alaska.gov and fax 907-586-8365

Dear Captain Falvey:

Thank you for requesting comments on the 2013-14 Fall/Winter/Spring proposed Alaska Marine Highway System schedule. City and Borough of Sitka (CBS) comment follows. CBS and Sitka are grateful for the improved summer service with multiple sailings of the Fairweather and southbound mainlines to Sitka especially in July and August. We do not take this service for granted, and our community has many more options for our travel as well as bringing visitors to Sitka during the summer season. We also understand with the winter layups/overhauls and only the Malaspina or Matanuska and Taku mainlines running, it is difficult to meet basic service needs.

The proposed schedule has north and south service to Lynn Canal five times per week, while Sitka has only one northbound and two southbound ferries per week. CBS respectfully requests that our community of over 9,000 population be scheduled for two northbound and two southbound ferries per week. One way to achieve this greater parity with other mainline Southeast communities is for the Malaspina/Matanuska to stop in Sitka early Monday on its northbound voyage from Bellingham and not go up Lynn Canal. This would give adequate time to provide a second northbound Sitka stop per week without changing the Bellingham schedule. Lynn Canal would still receive four N/S stops per week, on Tuesday, Thursday, Friday, and Sunday.

Restricting Sitka to one northbound ferry per week for seven months severely restricts Sitka's use of the ferry system. Sitka needs Winter service for many Sitka and Juneau events, school travel including two high schools, medical travel to and from SEARHC, potlatches tribal, sports and cultural activities, and other primarily regional travel. With only one north sailing on Wednesday, it doesn't work. Please provide a second northbound sailing to permit Sitka have better access to its highway year round.

Your consideration of this request is appreciated. If further information is needed, please contact Marlene Campbell at 907-747-1855 (campbell@cityofsitka.com).

Sincerely,

Christopher Brewton, Acting Municipal Administrator

cc: Mayor and Assembly

SEDA SITKA ECONOMIC DEVELOPMENT ASSOCIATION
329 Harbor Drive, Suite 212 Sitka, Alaska 99835 (907) 747-2660 fax (907) 747-2688 www.sitka.net

April 1, 2013
Captain John F. Falvey, Jr., General Manager
Alaska Marine Highway System
State of Alaska, DOT&PF via email: dot.amhs.comments@alaska.gov and fax: 907-586-8365

Dear Captain Falvey:

First let me thank you for the efforts made to provide Sitka with a good ferry service schedule for this summer. This is much appreciated!

However, it has come to our attention that, as in previous years, the proposed winter 2013/2014 ferry schedule provides an inadequate and inequitable level of service for Sitka.

The proposed schedule will provide Lynn Canal with north and south bound service five days per week. We understand that Haines and Skagway are the only road accessible ferry ports serving mainland/interior Alaska. However, cutting Lynn Canal service to four days per week still leaves them with excellent service and would allow rerouting one of the northbound ships to Sitka instead of Lynn Canal. Otherwise Sitka will have only one northbound ferry per week for seven months (October thru April).

Sitka has the third largest population (9,084) population in Southeast Alaska. We realize that developing a workable schedule with limited vessel availability is a serious challenge, however it appears Sitka has lost more ferry service than it should, based on our population and user level.

This year, Sitka will host the annual Alaska Travel Industry Association (Oct. 8th-10th) with an expected 400 participants coming to Sitka. Longstanding major winter events such as Alaska Day, WhaleFest, Sitka Jazz Festival, and Artigras bring people to town from Juneau and other nearby communities via the ferry system. Inadequate ferry service makes it inconvenient to attend Sitka events, restricts the ability of our local school students to participate in regional activities, and affects Sitka's economy and community spirit.

We encourage you to consider schedule adjustments that provide Sitka with two northbound stops per week as specifically recommended by the City and Borough of Sitka.

Sincerely,

Garry White, Executive Director
CC: Marlene Campbell, City and Borough of Sitka

City and Borough of Sitka
100 Lincoln Street Sitka, Alaska 99835
Coast Guard City, USA

April 2, 2013

Mayor Stan Selmer
Skagway, Alaska
By e-mail: s.selmer@skagway.org

Mayor Stephanie Scott
Haines, Alaska
sscott@haines.ak.us

Dear Mayor Selmer and Mayor Scott:

Thank you for reaching out to Southeast mayors in the recent attempts to weigh in on our Alaska Marine Highway System plans. It's been good to see collaboration happening among Southeast mayors. In that spirit, I have a request to make of you both concerning the AMHS proposed Winter 2013-2014 schedule. Would you be interested in supporting Sitka's request for adding a second weekly northbound stop in Sitka? Even with region-wide reduced winter ferry service, most communities have much more north and south service than Sitka. If more comments are received supporting at least one more northbound stop in Sitka for the 7-month winter schedule, AMHS schedulers might be more willing to consider Sitka's request.

The schedule looks similar to past years. With the Fairweather in lay-up, Sitka is scheduled to receive only one northbound ship per week going to Juneau (Taku, Wednesday) from October through April. Also, as in past years, Sitka receives two southbound stops per week, on Tuesday and Sunday. This service level will not permit most School District and other users to use the AMHS.

Our suggestion is the Malaspina/Matanuska on its northbound trip from Bellingham stopping northbound in Sitka early Monday rather than bypassing Sitka and going up to Haines and Skagway, which have vessels stopping north and south five days per week (Sunday, Monday, Tuesday, Thursday, and Friday). Rerouting a northbound ship through Sitka would probably mean that this ship would not have time to go up Lynn Canal in order to keep to the Bellingham or Prince Rupert schedules.

Thank you for considering my request.

Sincerely,

Mim McConnell

Mim McConnell, Mayor
assemblymcconnell@cityofsitka.com
(907) 738-2888

Memo

To: Acting Administrator

From: Mike Middleton

CC: Jay Sweeney

Date: 4/3/2013

Re: Owner Account Direction from Assembly

At the 3/26/13 Assembly meeting, the proposed changes to the SGC in regards to Owner Accounts being charged for all services failed to pass. Finance believes the Assembly provided was not opposed to the concept, but not in the proposal as presented.

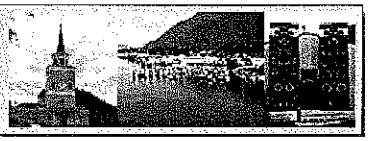
The availability of services still connected to a property but not used or used extremely minimally does have a value, but not necessarily the full value charged to customers with normal usage. The problem would be – how much is that value?

Finance could come back with a proposed ordinance putting the charge at a percentage of the full charge and have the proposed amendment to SGC written to allow for an easy change to the amount by the Assembly as opposed to the much longer amendment already proposed.

Finance has investigated the possibility of how this could work with the current utility billing system in place. Unfortunately, implementing an across the board percentage reduction would require significant custom programing and is not easily accomplished. Without customizing the program this would result in a large number of manual entries made to accounts. The more manual entries made; the greater the risk of a billing error. The workload for doing so manually at this point would overwhelm the staff members responsible for these tasks. This means a customization of the software would be the best choice. However, the timing is not ideal. With the implementation of the new ERP (Enterprise Resource Planning) software containing a new Utility Billing component, the best choice is to wait until the new system is implemented or well under way. This way, the proposal would be made with a full knowledge of the capabilities of the new system. If a customization would be necessary, it would only be done one time instead of potentially twice.

Based on the information above, Finance believes it is best to wait until the new ERP system is implemented before proposing a change in Owner Account handling. This will be over a year away before Finance will consider bringing a new proposal.

City & Borough of Sitka
Electric Department
105 Jarvis Street, Sitka AK 99835
Telephone: 907-747-4000 Fax: 907-747-3208



BLUE LAKE EXPANSION PROJECT

MONTHLY UPDATE FOR CITY ASSEMBLY

Report No. 4 Month ending March 31, 2013

SCOPE

- 83 ft dam raise with modified tunnel system and new 15.9 MW powerhouse ($89 million)
- Eight supply contracts for Owner-Furnished equipment and materials ($16 million)

PROJECT HIGHLIGHTS DURING THIS MONTH

- Excavation work continued all month in the powerhouse area for access roads and the powerhouse structure.
- Excavation work continued all month for the reservoir access road and intake structure access in the Dam's right abutment area.
- March 05 – The "Alimak" shaft raise machinery was set up at the end of the adit tunnel and the raised excavation of the surge shaft began.
- March 07 – Excavation of the drainage tunnel in the Dam left abutment began.
- March 13 – The two tees for the municipal water line relocation were installed.
- March 17 – A public tour was conducted.
- March 21 – Begin installation of 24 inch City of Sitka Water transmission main to by-pass powerhouse foundation.
- March 21-22 – A partnerning meeting was conducted with project participants to establish mutual project goals & mitigate potential risks.

COST SUMMARY

Project Element	Current Contract Total or Projected Amount	Remaining Contingency incl. Site Representatives	Payments	
			Paid this Month	Paid to Date*
Supply Contracts				
Contract 1 - Turbine Generator Equipment	$11,548,707	$1,367,020	$0	$4,058,761
Contract 2 - Switchgear	$629,980	$81,122	$0	$1,583
Contract 2A - SS Switchgear	$300,000	$0	$0	$0
Contract 3 - Gates and Hoist	$761,431	$56,259	$0	$290,554
Contract 4 - Penstock	$836,315	$91,660	$0	$415,195
Contract 5 - 69 kV Transformers	$592,584	$26,900	$0	$1,204
Contract 6 - Bridge Crane Equipment	$270,518	$18,170	$0	$109,987
Contract 7 - Steel Building	$1,138,918	$46,730	$0	$61,701
Contract 8, Debris Management	$1,530,000	$0	$0	$0
Contract 9, General Construction	$88,054,075	$4,640,225	$4,465,373	$12,393,805
Diesel Fuel	$1,260,000	$0	$0	$0
Temporary Filtration	$3,000,000	$0	$0	$0
Remaining Project Costs**		($302,541)		$0
License Amendment	$1,150,000	$0	$7,619	$1,105,164
Engineering***	$10,850,000	$0	$20,442	$11,233,002
Construction Management***	$6,974,594	$0	$218,140	$1,266,195
City Performed Work	$1,495,000	$0	$65,962	$499,313
Incentive Payment	$1,600,000	$0	$0	$0
Cost of Issurance/Reserve Account	$3,500,000	$0	$0	$0
TOTALS	**$135,492,122**	**$6,025,545**	**$4,777,535**	**$31,436,464**
ESTIMATED TOTAL PROJECT COST		**$141,517,667**		

*Paid to Date updated to included unpaid retainage.
**Temporary Filtration budget updated. Assembly approval will be requested at a later date for the projected overrun.
***A change order for McMillen construction management and engineering is being prepared to reflect the changes in McMillen's duties. McMillen is performing work that was budgeted under city performed construction management. This change order will not increase the project cost only the cost distribution.

COST CHANGES THIS MONTH

- There were no change orders issued on any of the eight active contracts during March.
- Eaton Corporation was selected for supply of the 480V Switchgear- Contract 2A, based on a proposed price of $208,546 (vs. the budgeted cost of $300,000). A request for approval of this contract is in the Assembly package for the April 9 Assembly meeting.

CONSTRUCTION SCHEDULE MILESTONES: PLANNED/ACTUAL

Construction Start	11-20-2012/ 12-3-2012	Powerhouse complete	6-10-2014/
Excavations Complete	6-28-2013/	Dam complete	7-26-2014/
Drainage Tunnel Comp.	7-1-2013/	Shutdown – Existing PH	8-1-2014/
Intake complete	5-20-2014/	Startup – New Powerhouse	10-1-2014/
Filtration Plant On-line	6-1-2014/	Substantial Completion	1-1-2015/

NOTES ON PROJECT SCHEDULE

- Construction work in the powerhouse area continues to be behind schedule. Barnard developed a plan to get back on schedule in March. However the current critical path schedule now shows start of the key Generation Outage on August 11, 2014, eleven days later than initially planned. Compared to the end of February we are 11 days behind schedule instead of about 21 days behind. Overall, Barnard hopes to eliminate this 11 day delay over the next several months of work.
- The most recent schedule submitted by Barnard shows the following upcoming target dates:
    a. March 31 – complete excavation of the Dam's left abutment drainage tunnel
    b. April 1 – breakout at the top of the surge chamber excavation (rough excavation of the 370 ft high surge shaft to the surface will be complete at this point)
    c. April 8 – begin testing of the concrete batch plant at the SCIP
    d. April 14 – complete the intake structure excavation
    e. April 15 – begin intake tunnel excavation
- Delivery schedules for the supply contracts are acceptable– all show arrival of goods and equipment on site in adequate time. The powerhouse crane (Contract 6) was delivered to the site on March 27, 2013. The penstock materials (Contract 4) arrived at the Sitka barge terminal on March 29. Fabrication of the control panels and turbines for Contract 1 have been delayed from that supplier's January schedule, now showing delivery to Sitka in July, 2013. This is still a very adequate schedule as the start of installation of these items is planned for January, 2014.
- The CM team and Electric Department continue working on the City-performed work tasks to ensure these activities get done on time. Several of these work items are now complete. Continued good progress is needed through June to make sure we do not impact the construction schedule.
- Blue Lake and Green Lake water levels are now higher than their operating rule curves (Blue Lake is 1 ft high, Green Lake is 22 ft high). We continue with a low (about 11%) risk of having trouble this summer providing the el. 330 lake level window for Barnard's construction work at the intake tunnel. Based on the March 27 water levels, very little to no operation of the City's diesel-electric generators will be required this spring to meet City electric loads.

PROJECT RISK PROFILE

A discussion of the major risk areas follows below. As a general rule risks are measured as follows:

LOW: Probability of less than 10%, or mitigation cost less than $1 million.
MODERATE: Probability of more than 30%, or mitigation cost up to $5 million.
HIGH: Probability of more than 60%, or mitigation cost likely more than $5 million.

The City's project team believes the following risk areas will dominate the potential for increases in overall Project cost. We also believe these areas pose the greatest risk for schedule delays.

Weather and Lake levels: High water inflows to Blue Lake in 2013 and 2014 have the potential to delay work near the dam and intake. We have established with Barnard Construction a "lake level window" for each of the 2013 and 2014 construction seasons. As long as the lake's water level is at or below these level windows, we expect no delays or additional costs to the City. Lake levels are now above normal. We continue to expect the 2013 construction window will be met without problems, see the attached Lake Level Reports. ***CURRENT RISK: LOW***

Rock Conditions: Contract 9 includes an allowance of $2,702,000 for rock support in the Project tunnels, shafts and excavations. This rock support is a combination of rock bolts, shotcrete, and steel arch supports. If rock conditions are worse than we expect, our rock support cost allowance may not be sufficient. Also, the project does not have a specific allowance for additional foundation excavation and foundation concrete for the surface structures (powerhouse and penstock). If we require additional excavation under the powerhouse, that would result in additional cost for the City. Note that most of the excavation work on the Project will be completed by mid-summer 2013. At that time we will know if our rock support allowance is adequate.

At the time of this March 31, 2013 report, the 370 ft high surge chamber and the 180 ft long left abutment drainage tunnel were each more than 85% excavated. Rock conditions in these excavations have been better than planned. The CM team's geotechnical engineers will survey these excavations in April to confirm the amount of permanent rock support needed. We do expect that rock support in these underground openings will be less than budgeted. Project-wide the total underground excavation work is now about 40% complete.

We have determined that the rock conditions are not as good as expected on the dam right abutment where the reservoir access road and gate house are located. Realignment of the reservoir access road and a deeper foundation excavation for the gate house are likely needed. These changes will result in added cost to the City and will consume part of our rock support allowance. ***CURRENT RISK: MODERATE***

City Performed Work, for Contract 9: The City has elected to self-perform some work associated with the Project's general construction. This work includes: procurement, installation and field wiring of a switchyard control building; installation and connection of fiber-optic cables from the powerhouse to the dam; control wiring of the Fish Valve Unit generator; and design and installation of the SCADA system. The bulk of this work is either under design or is underway at the Project. ***CURRENT RISK: MODERATE.*** [*See Appendix 1-Action Plan at the end of this monthly update, for the status of this self-performed work*].

Temporary Water Filtration Plant: During the August through September 2014 outage of the Blue Lake tunnel, the City will need to get its drinking water from a temporary water supply. This temporary system needs to be designed, purchased and installed at Indian River. This system must be in place and fully operational before the Blue Lake tunnel can be shut down to connect the new powerhouse. Any delay in the filtration plant beyond August 1, 2014, will delay the hydro expansion Project. Currently a $2 million cost allowance is being maintained in the Blue Lake Expansion Project funds for the filtration plant. CH2 MHILL estimates $3.0 million. This $1.0 milloin dollar increase has been added to the project cash flow spreadsheet using contingency funds which have now been consumed. The filtration project is being managed by the City's Public Works department. ***CURRENT RISK: MODERATE*** [*The current status of the filtration system design and planned construction is described in Appendix 2. If the filtration system is constructed as planned, we will be ok for the Expansion Project.*]

Other: This is a broad combination of bad things that might happen such as: earthquake; construction site accidents; equipment damage during shipping; floods; extreme winter weather; fire; labor unrest; etc. We expect that many of these risks would be covered by insurance at least in part. ***CURRENT RISK: LOW***

PROJECT PHOTO RECORD THIS MONTH

Photos are taken of each work area each month from a fixed location to document construction progress by work area. Relevant photos of the project for this month are provided on the following pages.

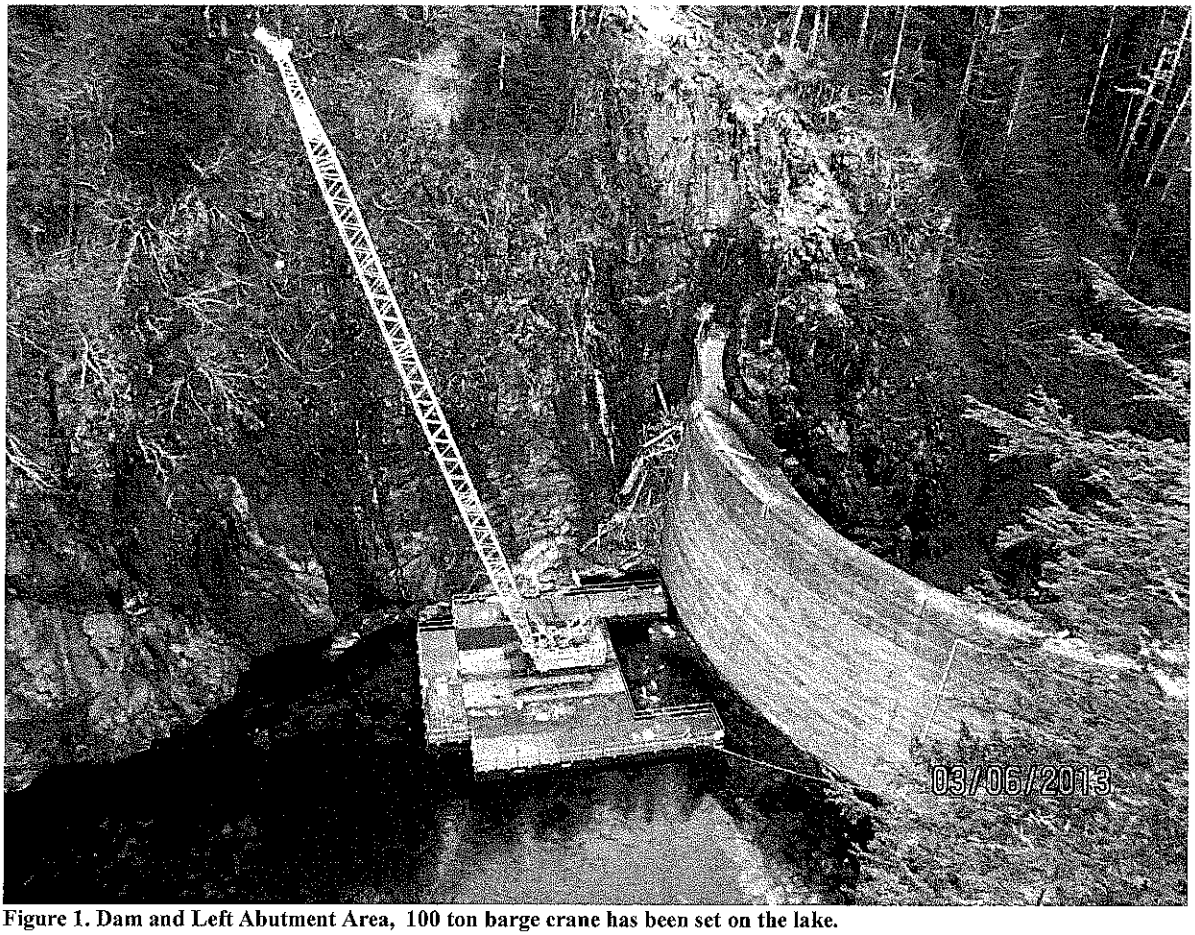


Figure 1. Dam and Left Abutment Area, 100 ton barge crane has been set on the lake.

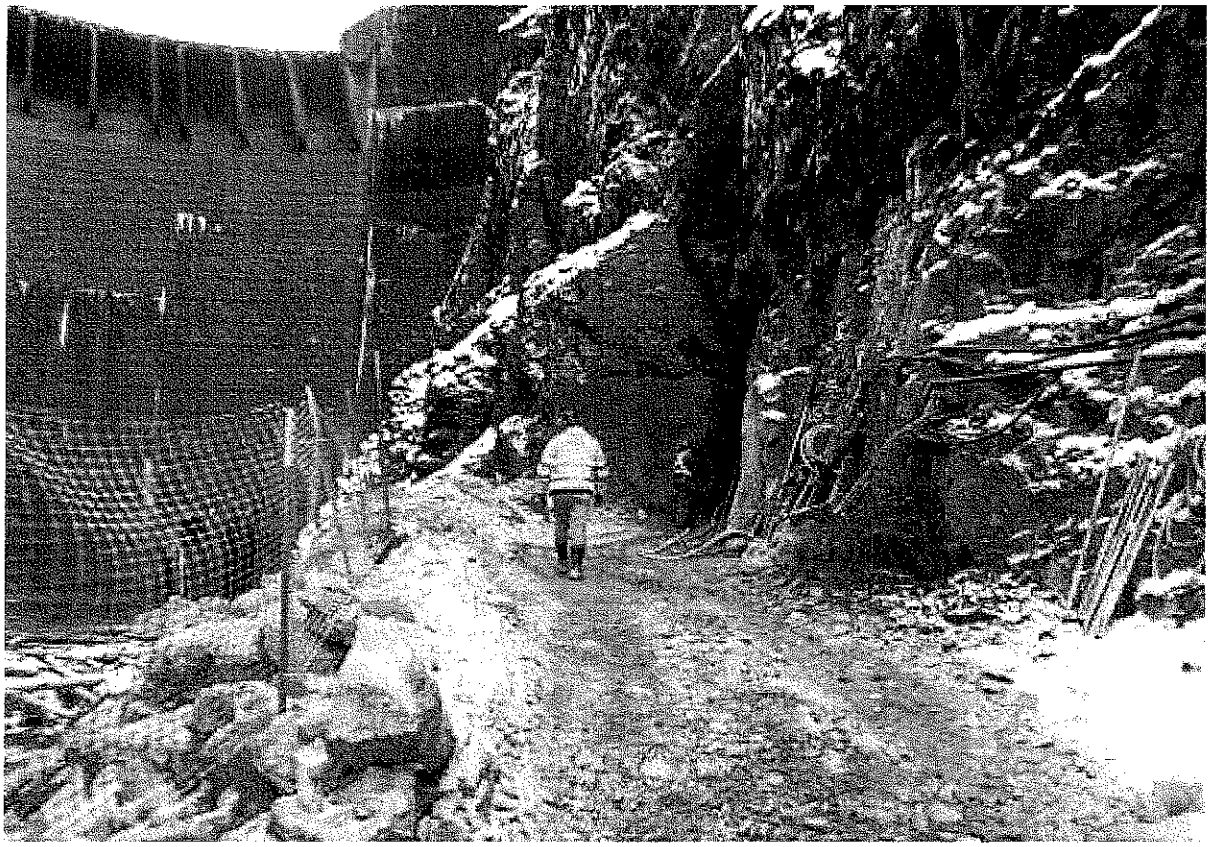


Figure 2. Drainage Tunnel and Scour Wall, Excavation of the drainage tunnel in the dam left abutment has begun.

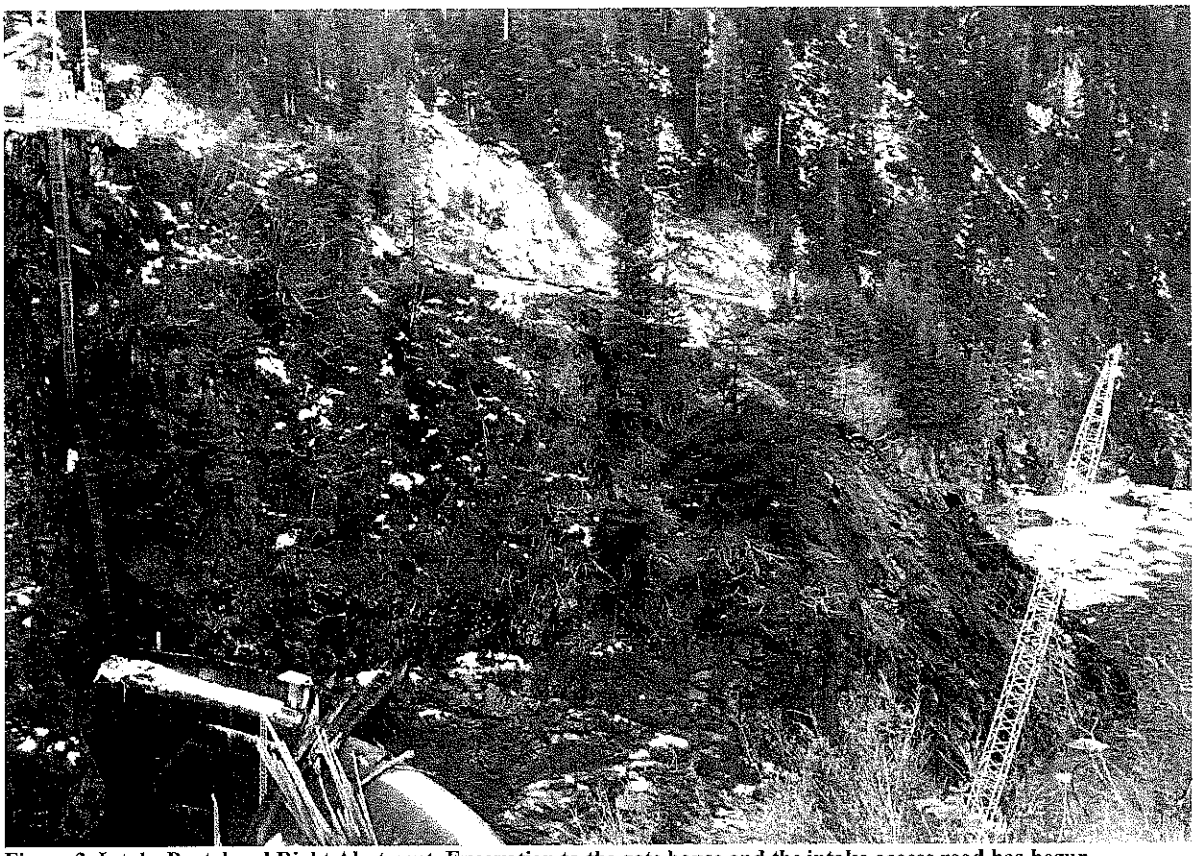


Figure 3. Intake Portal and Right Abutment, Excavation to the gate house and the intake access road has begun.

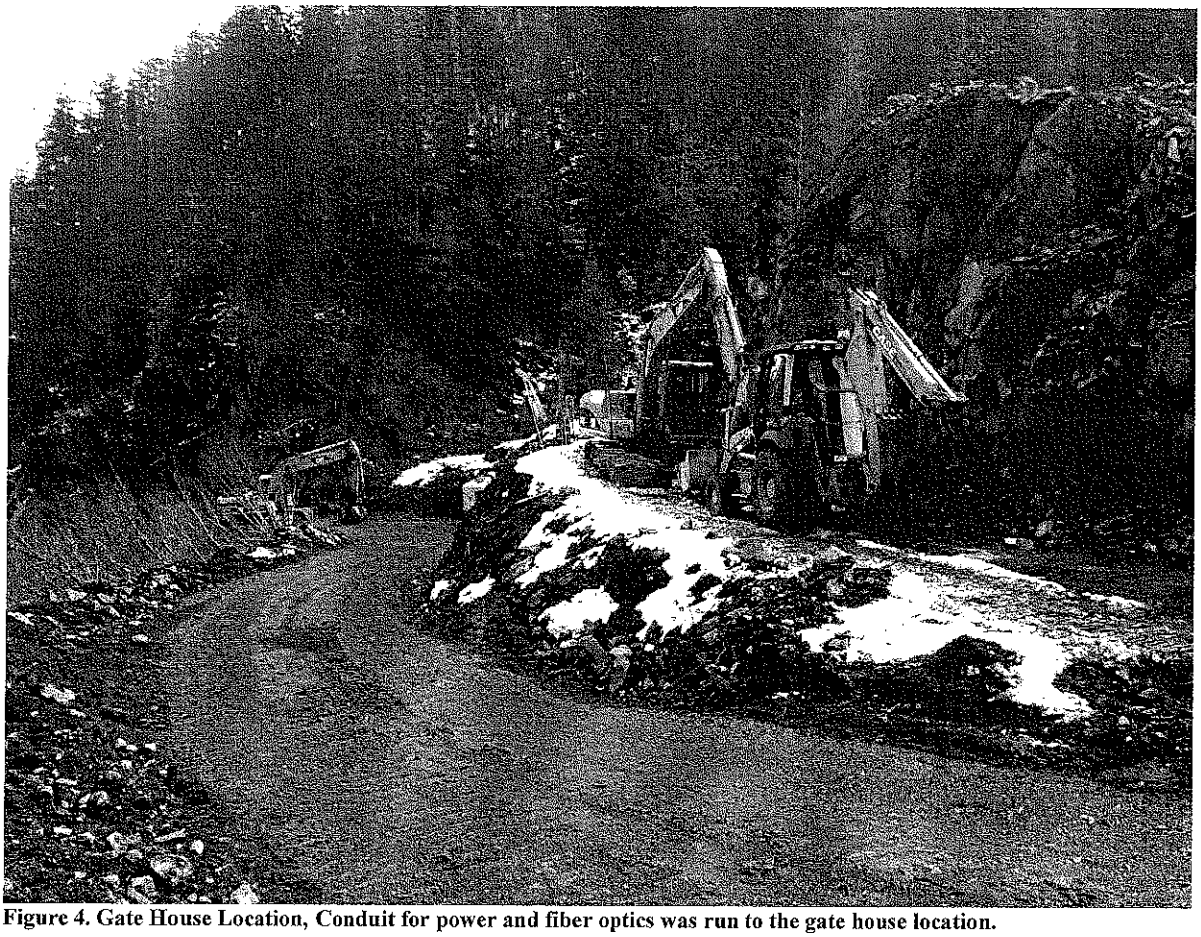


Figure 4. Gate House Location, Conduit for power and fiber optics was run to the gate house location.

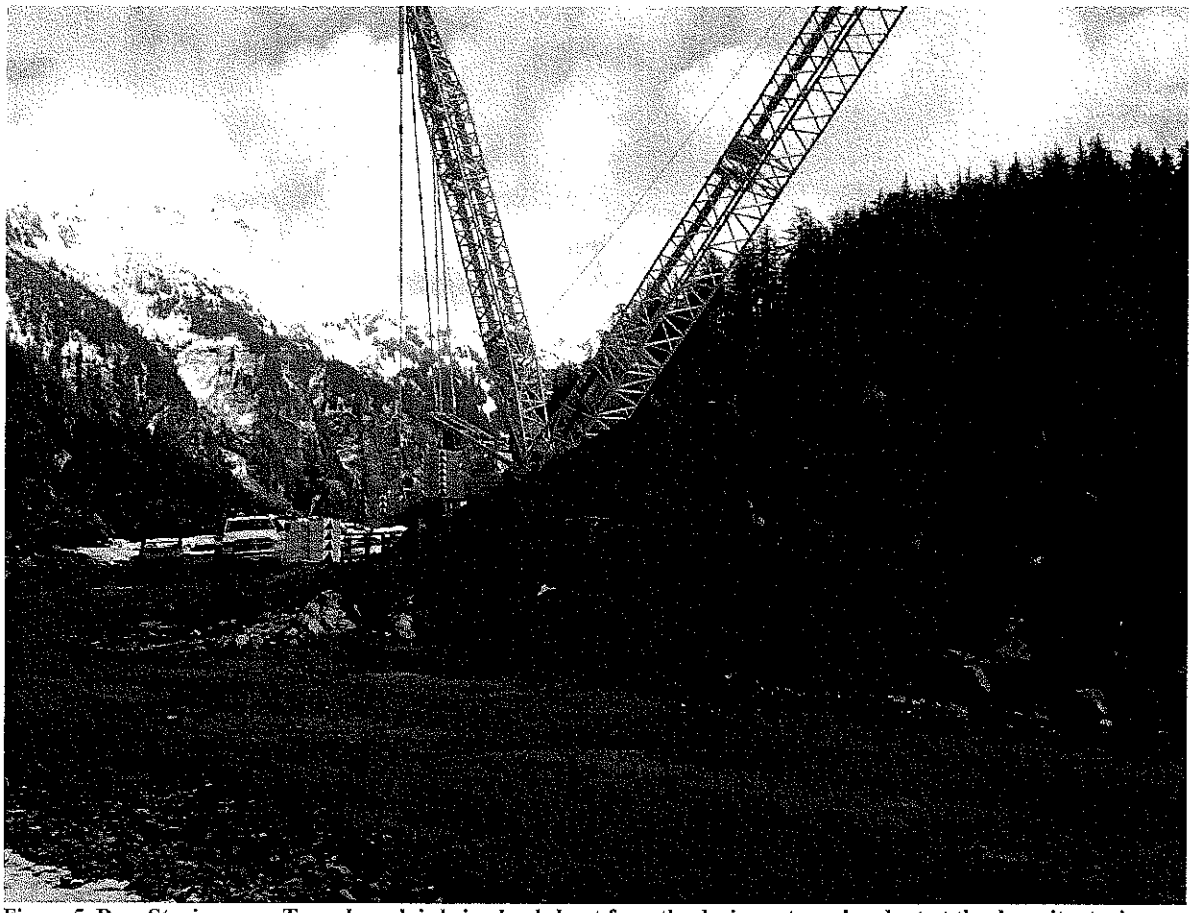


Figure 5. Dam Staging area, Tunnel muck is being hauled out from the drainage tunnel and set at the dam site staging area.

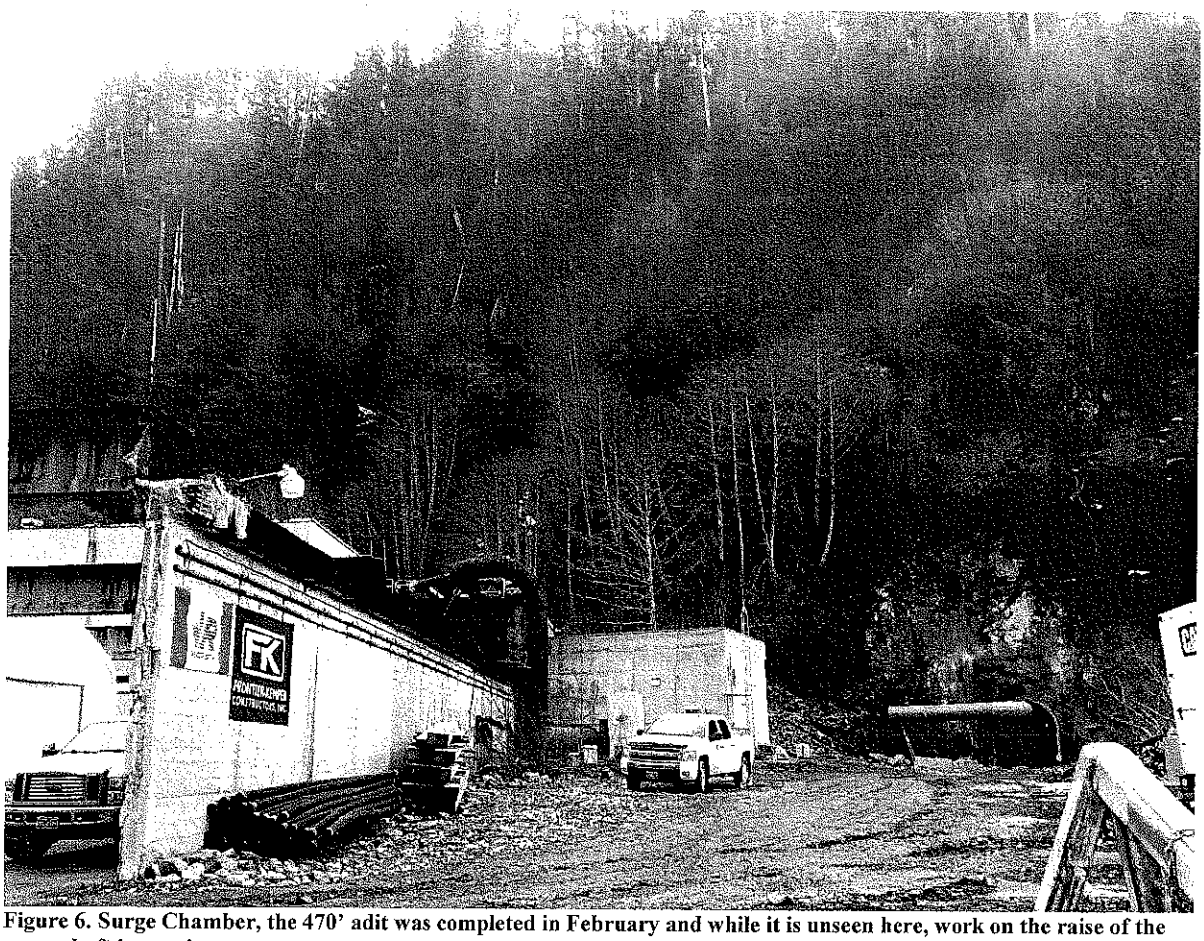


Figure 6. Surge Chamber, the 470' adit was completed in February and while it is unseen here, work on the raise of the surge shaft is ongoing.

Figure 7. Lower Portal Area, Construction of the new powerhouse access road from the filter plant is underway.

Figure 8. Powerhouse Site, Excavation of the new powerhouse is at 10% complete.

Figure 8. Lower Project Site, Clearing for the surge chamber top portal and continuing powerhouse excavation can be seen.

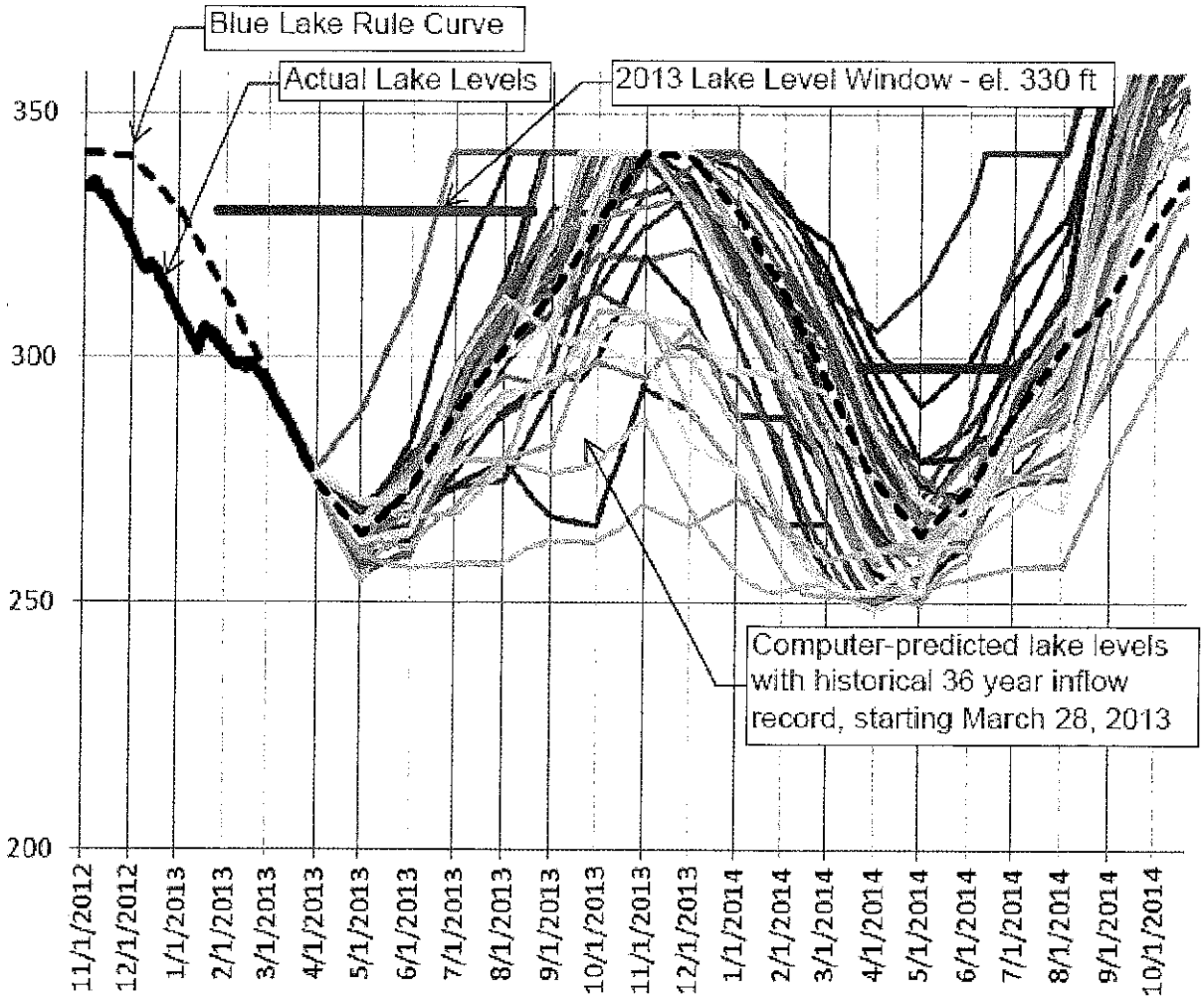
LAKE LEVEL WINDOW FORECAST
Blue Lake Expansion Project
Contract 9 – General Construction

Forecast Date: March 28, 2013 Blue Lake WSEL: 278.2 on March 27, 2013

2013 Lake Level Window: At or below WSEL 330 from January 26 to August 19, 2013

Highlights:

1. We are now in the 2013 Lake Level Window, when the City is responsible for holding the Blue Lake water level below el. 330, to allow construction work at the power intake and dam.
2. Blue Lake inflows in March were a bit above average. The lake is now one foot above its target "rule curve" level for this time of year (an improvement of 3 ft from February 27).
3. The Blue Lake Powerhouse and Campground unit are running near maximum capacity to draw Blue Lake down and to save water in Green Lake.
4. The City's diesel-generating units were not run in March (other than for exercising).
5. We continue to have about 4/36 chance of the lake rising above el. 330 before August 19, 2013. So we are adequately positioned for work at the dam.
6. The chart below shows there is about a 50% chance (18 years out of 36) that Blue Lake will fill and spill in the fall of 2013.



March 31, 2013

ACTION PLAN
City Performed Work, for Contract 9

The following table presents the Project Team's plan, staffing assignments and schedule to ensure that these owner-furnished design, fabrication and construction elements of the Expansion Project do not delay the construction contractor or result in additional costs. Blue shaded boxes indicate completed work items. Yellow shaded boxes indicate items of concern.

Project Element	Design Phase		Fabrication, Delivery and Construction		
	Lead	Date planned/ complete	Lead	Date Complete	Notes
Level monitoring panel, gate house communication panel, PH Plant Function plc panel, industrial water pump panel	S. Kim	4/20/2013/	B. Belley	July 2013	Four small communication and plc panels, to be "owner furnished" to Barnard
Fish Valve Unit interconnection wiring design, diagrams	R. Dryden	6/1/2013/	B. Belley	Oct 2014	Install wiring and start up FVU after Generation Outage
Low voltage transformers T4, T5, SST1, SST2, and WTPTX (Owner furnished transformers in C9 contract).	R. Dryden	5/15/2013/	D. Orbison		Purchase contract documents. CBS will procure via PO. Owner-furnished to Barnard
Low Voltage Switchgear (contract 2A) (Eaton Corporation is selected vendor)	S. Kim	3/15/2013/ 3/28/2013	D. Orbison	6/1/2013	PO to be issued to Eaton Corp. following Assembly approval at April 9, 2013 Assembly meeting.
Water Treatment Plant phone and fiber	J. Wheeler	Feb 2013/ 3/28/2013	Chatham Electric	Mar 2013	Chatham on site now, expects to finish on March 29, 2013
Switchyard control panels	R. Dryden	4/15/13	Boreal Controls	Sep 2013	CBS B. Belley will install in building
Switchyard control enclosure and related switchyard control conduit	R. Dryden	5/1/2013	D. Orbison	Oct 2013	CBS will purchase enclosure, and interior equipment CBS will hire contractor to install in switchyard

Replace Switchyard 22 and 55 Circuit Breakers,	R. Dryden/ B. Belley	Complete	J. Wheeler, B. Belley	May 2013	CBS will install breakers with j-boxes for terminating to new substation control conduit
Standby Generator internal controls – PH design for startup, shutdown of standby generator	S. Kim	Mar 2013/ 3/20/2013	Barnard	4/1/2014	Shunt trip devices now provided in switchgear. PLC programming remains as only City-furnished item
SCADA system design and supply	T. Honadel, D. Orbison	Nov 2013	T. Honadel, B. Belley	3/1/2014	CBS furnish and install for complete SCADA system. Tal needs the UEE tags to proceed.
Blue Lake Expansion conduit for fiber-optic runs	B. Dryden	3/1/2013/ 3/15/2013	Barnard	6/1/2014	Design for embed conduit, by 3/1/2013. Remaining design needed 6/1/2013. Install 2014
Terminate Fiber-optic for Blue Lake Expansion	J. Wheeler, B. Belley	Design Complete, mid March	Chatham	6/1/2014	Fiber must be terminated at the following locations: Gate house, FVU, Switchyard control building, BLU SCADA, B-3, B-4, B-5
PH interconnection diagrams	S. Kim	12/1/2013			Design of interconnects needed to quantify cable schedules. Barnard needs for install in 2014. Seung needs UEE interconnect to complete.
Relay Coordination and Ground Fault Study	EPS Corp.	2/1/2014	EPS	6/1/2014	These are settings for the protective relays and controls
Station interface with old Blue Lake PH	B. Dryden	1/15/2014	J. Wheeler	Nov 2014	Re-power existing PH as a shop area, after Generation Outage
PMFU demolition of conduit, pole, UG cables	J. Wheeler	Mar 2013/ 3/25/2013	J. Wheeler	Apr 2013	Need before Barnard excavates for penstock. Chatham on-site now for this work. Will be done by April 12

Appendix 2 to Monthly Update for City Assembly
March 28, 2013

Summary of Temporary Fitration Project Status
and Blue Lake Tees Project
as Provided by Public Works Department

Alternative Water Source Investigation Filtration (Blue Lake Project):

We held a kick-off meeting with the consultant to discuss schedule and methods of procurement of the pumps, temporary water contact tanks and filter units. The proposed schedule has the design completed in October 2013, Alaska Department of Environmental Conservation permitting completed in March of 2014, construction of the piping and pumping completed in April 2014 and final installation of the filter units in June 2014 for operation in July 2014. The preliminary design has a projected design and construction cost of $3,000,000. Due to the lack of well potential in the Indian River Valley, temporary surface water filtration will need to be utilized during the Blue Lake Project outage. Award of the design contract was approved by the Assembly on February 12, 2013.

Water Division Prepares for Blue Lake Expansion:

The Water Division continues working closely with our Engineering Division, Barnard Construction and ASRC McGraw on water piping modifications needed for the new powerhouse. New tees and valves were installed in the existing 30" transmission water main near the Blue Lake Water Plant and also near Sawmill Cove Industrial Park to facilitate relocation of the main for the Blue Lake project and the future UV Treatment Facility respectively. Rerouting this main is necessary for construction of the new powerhouse. Each of these installations required stopping the flow from Blue Lake to town for approximately eight hours.

The Tees for the Blue Lake powerhouse water line relocation are complete and the sub-contractor has nearly completed the installation of approximately 800 feet of new 24" transmission main. Operators have been helping with locates and keeping a close eye on the construction. ASRC-McGraw has also begun running the new 6" water and 2" sewer force main that will serve the new powerhouse.

Public Works anticipates completion of the water line tees for the new UV Treatment Facility in May/June 2013. On February 14, 2013, the Assembly approved award of a contract to CBC Construction for the amount of $179,960. Due to the long lead time for the large valves, a Notice to Proceed for procurement only was issued on March 8, 2013.

Installation of Titan 130 Turbine for Standby Generation:

The Assembly approved the purchase of a 15 MW diesel tubine that we be used during the generation outage and standby power following the generation outage. This turbine will prevent rolling blackouts in the case of transmission line outage or a significant hydro failure.

Chris Brewton and Jack West visited the factory in San Diego to finalize the contract.

BLUE LAKE EXPANSION PROJECT MONTHLY CONSTRUCTION REPORT

For Period Ending: MARCH 31, 2013
Prepared by: BARNARD CONSTRUCTION COMPANY, INC.

1. *Progress of work*

Environmental Protection

Barnard continues to install erosion and sediment control measures as required at the dam site and storage yard at Sawmill Cove Industrial Park and powerhouse area as ground disturbing activities begin. BMP maintenance and repair is ongoing as needed throughout the project site. Barnard has also installed a turbidity curtain in Blue Lake Reservoir around the intake structure excavation to protect water quality around the excavation site.

Gate House/Reservoir Access Roads/Intake Structure Excavation

Southeast Earthmovers has completed the Gate House Access Road excavation. The reservoir access road is currently under construction but the main focus for Southeast Earthmovers has been the intake structure excavation. They have completed several blasts for the intake structure and are currently scheduled to be complete with the excavation by April 15. Once the excavation is complete, Blue Lake Tunnelers will begin intake tunnel and gate shaft excavations.

Drainage Tunnel

Blue Lake Tunnelers have nearly completed the drainage tunnel excavation and will be demobilizing equipment from the plunge pool area in the first week of April. Crux Subsurface is mobilizing to the project late this month and will begin exploratory drilling in the drainage tunnel in early April.

Adit Tunnel/Surge Shaft

Blue Lake Tunnelers has completed the adit tunnel excavation and started on the surge shaft excavation. The shaft is expected to be complete by Mid-April. Blue Lake Tunnelers has also continued with surface blasting operations on top of the surge shaft for the overflow structure. They have also started setting up the log yarder that will be used to haul materials to the top of the shaft for constructing the steel overflow structure.

Powerhouse

ASRC McGraw and Southeast Earthmovers have continued the rock excavation required for the powerhouse construction. ASRC McGraw has also started installing the new 24" water transmission main around the existing powerhouse.

Concrete Batch Plant

ASRC McGraw has mobilized the concrete batch plant to the project site. Setup, calibration and batch testing will begin in early April.

2. *Status of Construction*

Status of Ongoing Major Construction Activities

- Mobilization – Complete
- Dam Staging Area – Complete, except for final cleanup at project completion

- Adit Tunnel Excavation – Complete
- Powerhouse Excavation – 20% complete
- Gate House Access Road – Complete
- Reservoir Access Road – 50% complete
- Drainage Tunnel Access – Complete
- Drainage Tunnel Excavation – 95% complete
- Intake Structure Access Road – 35% complete
- Left Abutment Rock Excavation – starting in April 2013

See Section 1 above for construction work completed in March 2013.

3. *Construction Issues*

Powerhouse and intake structure excavation activities remain behind schedule. Barnard and its subcontractors are executing the acceleration plans.

4. *Contract Status*

Barnard's key subcontractors for the Blue Lake Project are as follows:

Name	Scope
ASRC McGraw Constructors, LLC	Powerhouse Construction
Southeast Earthmovers, Inc.	Excavation
Blue Lake Tunnelers	Underground Construction
Crux Subsurface	Foundation Grouting, Micropiles, PRW's
O'Neill Surveying and Engineering	Land Survey
Baranof Materials Test Lab	Quality Control
NAES Power Contractors	Turbine-Generator Installation/Electrical

Barnard's key material suppliers for the Blue Lake Project are as follows:

Name	Scope
ASRC McGraw Constructors, LLC	Concrete Supply
Gerdau Reinforcing Steel	Concrete Reinforcing Steel
Haskell Corporation	Misc. Metal Fabrication

5. *Critical Events and Dates*

Please see attached summary progress schedule updated February 28, 2012.

Critical Dates for the Blue Lake Project are as follows:

Milestone	Date	Required Status of Construction
1	07/01/2013	Drainage Tunnel Complete
2	08/19/2013	Initial Intake Excavation Complete
3	06/04/2014	Intake Structure Complete
4	08/24/2014	Ready for Generation Outage

5	61 days after start of Generation Outage	Substantial Completion of 1st Blue Lake Turbine Generator
6	91 days after start of Generation Outage	Substantial Completion of 2nd Blue Lake Turbine Generator
7	80 days after start of Generation Outage	Substantial Completion of Fish Valve Unit

6. *Reservoir Filling*

Not applicable for this report

7. *Foundations*

Not applicable for this report.

8. *Sources of Major Construction Material*

The City and Borough of Sitka will be providing most of the major construction materials for this project. Please see list below.

Contract No.	Vendor	Scope of Supply
1	Gilbert Gilkes and Gordon, Ltd.	Turbines and Generators
2	Myers	12.47 kV Switchgear
3	Linita Design and Manufacturing	Bulkhead Gate, Fixed Wheel Gate and Hoist
4	T Bailey, Inc.	Penstock and Manifold
5	WEG Electric	69kV Transformers
6	Benchmark Industrial Services	Powerhouse Bridge Crane
7	CHG Building Systems	Powerhouse Building

Barnard will be responsible for supplying the concrete for this project. A batch plant will be setup at the Sawmill Cove Industrial Park and aggregates/cementitious materials will be shipped to Sitka from Seattle, WA.

Materials Received this Period:

Penstock and Manifold – Contract 4

Penstock and Manifold arrived in Sitka in late March. Delivery to project site will be completed in early April.

PH Bridge Crane – Contract 6

Powerhouse Bridge Crane was received onsite in March 2013.

9. *Material Testing and Results*

Blue Lake Tunnelers has completed several sets of shotcrete test panels onsite. QC testing is ongoing.

10. *Instrumentation*

Not applicable for this report.

11. *Photographs*

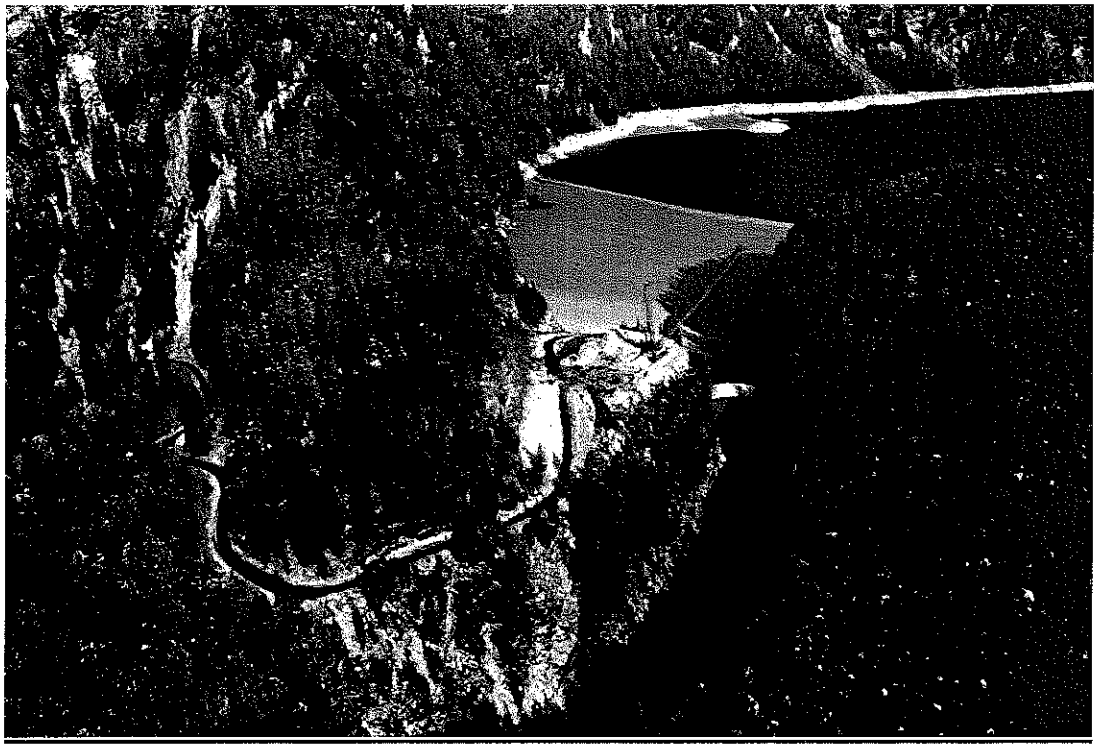


Figure 1: Aerial View of Blue Lake Dam

Figure 2: Powerhouse Excavation - 3/29/13

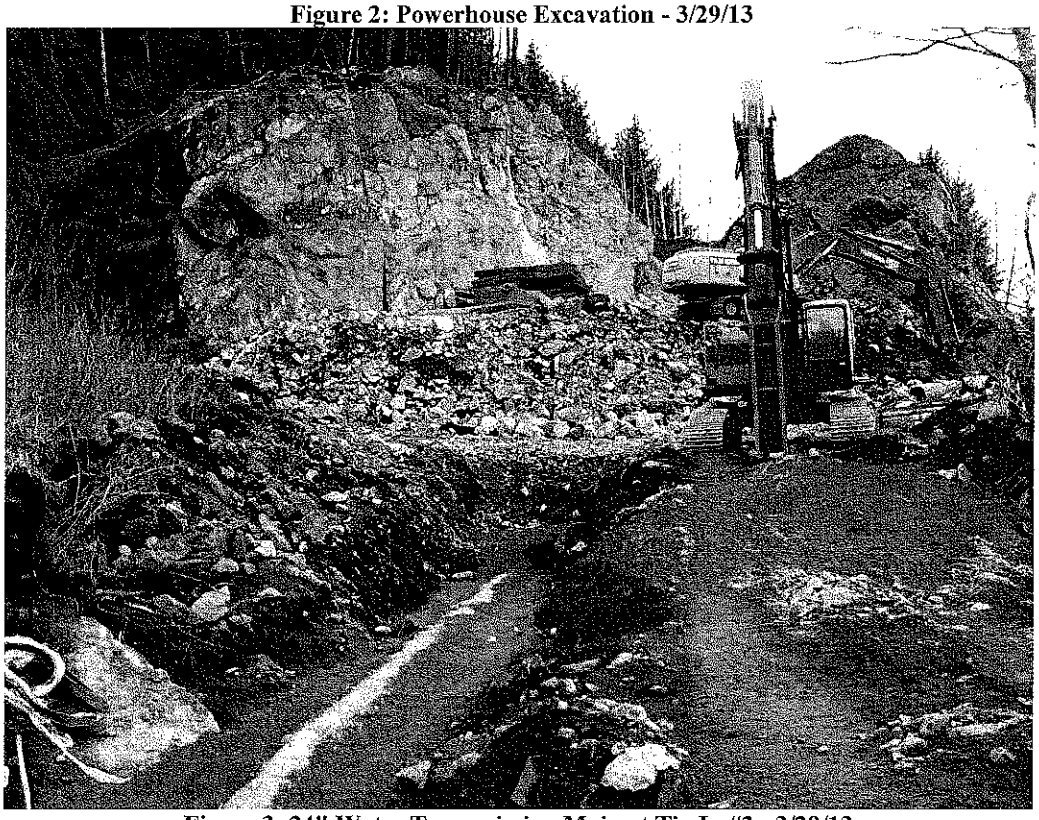


Figure 3: 24" Water Transmission Main at Tie-In #2 - 3/29/13

Figure 4: Intake Structure Excavation - 3/28/13

Figure 5: Drainage Tunnel - 3/27/13

Figure 6: Alimak Raise Climber Platform at Surge Shaft

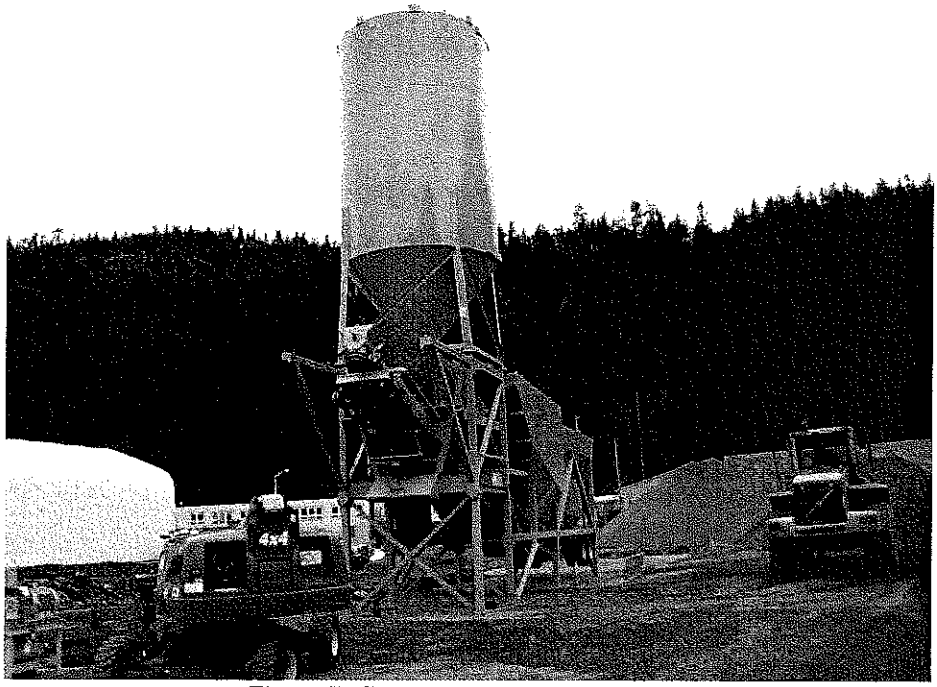


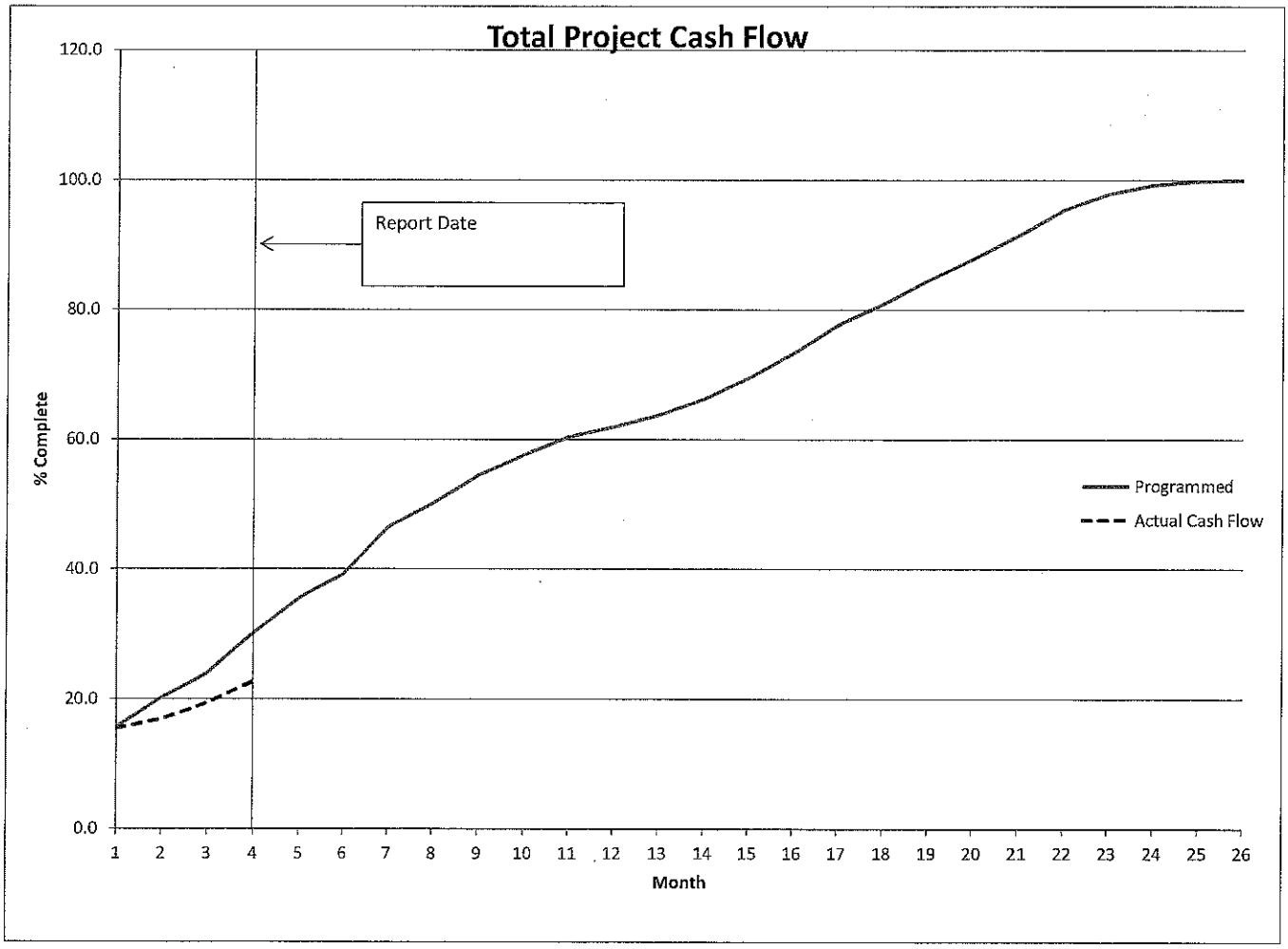
Figure 7: Concrete Batch Plant - 3/29/13

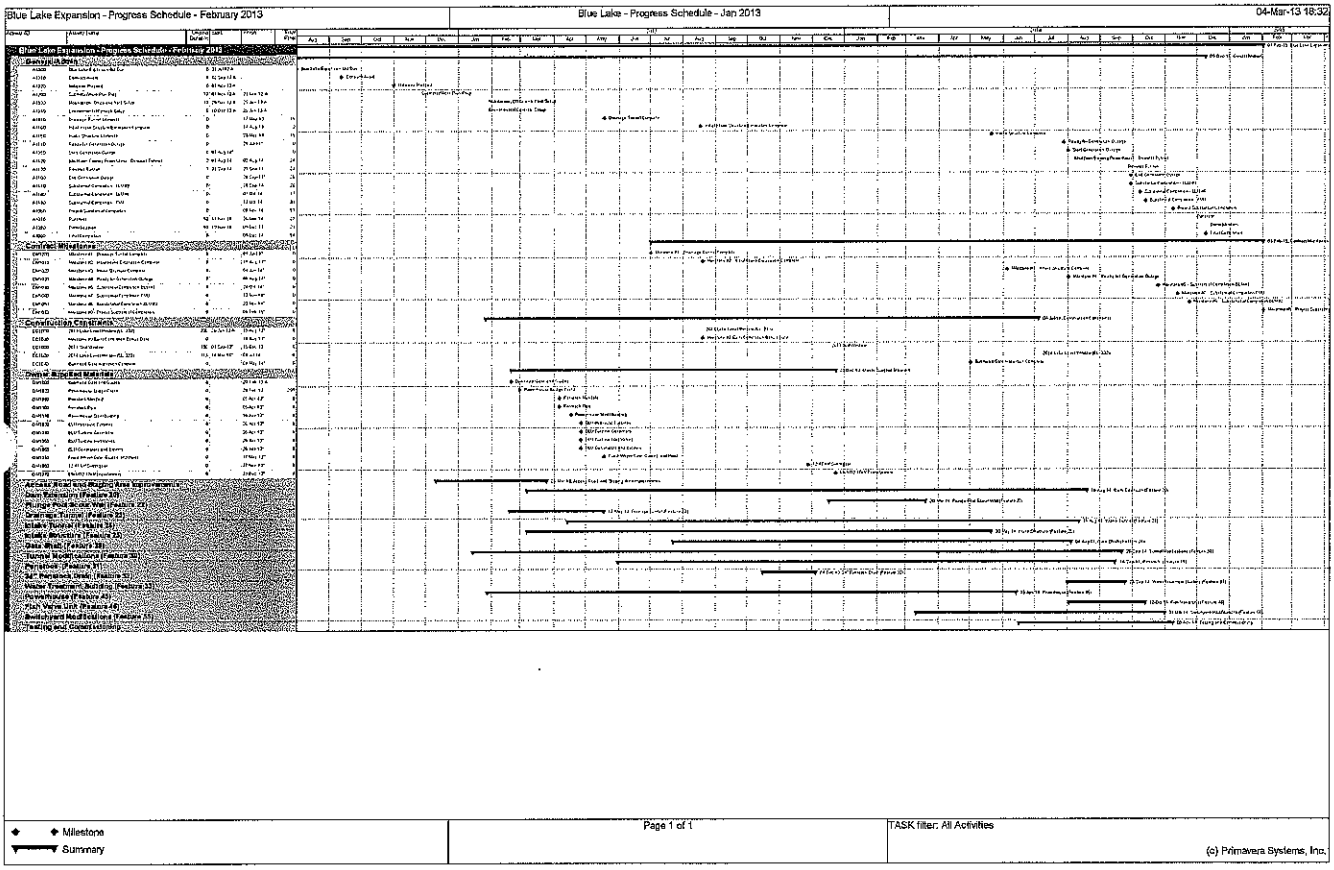
12. *Erosion Control and Other Environmental Issues*

No Environmental issues encountered during February 2013. Barnard is continuing to install the required environmental protection measures on the project site ahead of ground disturbing activities.

13. *Other Items of Interest*

CBS/McM/BCCI conducted a public tour of the Blue Lake Project site on March 17, 2013. The next public tour is scheduled for April 14, 2013.


Total Project Cash Flow
120.0
100.0
80.0
60.0
40.0
20.0
0.0
% Complete
Report Date
Programmed
Actual Cash Flow
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Month


Blue Lake Expansion - Progress Schedule - February 2013
Blue Lake - Progress Schedule - Jan 2013
04-Mar-13 18:32
Milestone
Summary
Page 1 of 1
TASK filter: All Activities
(c) Primavera Systems, Inc.

Public Works Assembly Update
4-3-13

2013 Annual Spring Cleanup/Household Hazardous Waste Collection/ Free Vehicle Collection Event:

The proposed dates for the upcoming Annual Spring Cleanup Events are as follows:

- Spring Cleanup: Saturday, April 20 through Sunday, April 28, 2013
- Household Hazardous Waste Collection: (2 days) Saturday, April 27 & Sunday, April 28, 2013 – This event will be held at the Wastewater Treatment Plant
- Free Vehicle Collection: Saturday, April 20 – Saturday, May 4, 2013

***Sea Walk – Crescent Harbor Park to National Historic Park:**

On March 12, 2013 the Assembly approved award of a contract to CBC Construction for the Sea Walk – Crescent Harbor Park to National Historic Park project in the amount of $1,222,662.14 for the base bid and all five additive alternates. Public Works has been working with the CBS legal department and the Sitka Sound Science Center (SSSC) to develop easement documents for the Sea Walk on SSSC property. Public Works has also been working with the Contractor, SSSC, and the Corps of Engineers to plan the rockery wall construction near the playground and SSSC and also developing the overall project schedule. The Consultants have been tasked to further develop the drainage improvements in Crescent Park with buy-in from the Alaska Department of Environmental Conservation required and also improve the node at the end of the breakwater. Construction is anticipated to begin in April 2013 and continue through the summer 2013 with substantial completion September 30, 2013.

The current phase of the Sea Walk extends from the Centennial Hall Parking Lot to the Sitka National Historic Park boundary near Kelly Street. The Sea Walk is funded by way of the following: $1,000,000 FY 2011 State of Alaska Grant (Sea Walk Extension Part C), $700,000 FY 2011 State of Alaska Grant (Crescent Park Sidewalk Widening) and $80,000 Paul Sarbanes Transit in the Parks Programs (TRIP) Grant (applied for and administered by National Park Service).

***ANB Harbor Replacement:**

The 65% design for the procurement package is scheduled to be presented to P&H on April 10, 2013 after which time the installation package will kick off. Construction is anticipated to begin in late 2013 with completion of in-water work prior to March 15, 2014 due to jurisdictional restrictions associated with the herring fishery. The US Army Corps of Engineers permit was submitted March 9, 2013. We anticipate agency comments on the project in April after which time a 30-day public comment period will begin.

The rough order of magnitude cost estimate for ANB Harbor (to include design, permitting, construction, and contingency) is $8.3 million. The estimate will be revisited and refined at each design milestone.

CBS received a FY13 State of Alaska Municipal Harbor Facility Matching Grant, for the ANB Harbor Replacement Project, which will cover 50% of eligible construction costs not to exceed $4,250,000 in match funding. CBS has received bond proceeds from the Alaska Municipal Bond Bank in the amount of $4,600,000 for this project. On January 10, 2013, the Assembly awarded a Professional Services Contract to Moffatt & Nichol for the ANB Harbor Replacement Project.

Centennial Hall Renovation:

The consultant is continuing the 35% design of the project. The Building Design Committee (BDC), met on March 13, 2013. The meeting focused on the refinement of the interior layout options. The 35% and cost estimate is scheduled to be complete for a presentation to the Assembly at the April 9, 2013 meeting. The next BDC meeting is scheduled for April 29, 2013, where the interiors will be the focus.

Current grant funding allocated to the project is $8,230,000 and the project has a current total project cost of $15.2 million including a new museum wing. Additional FY14 Legislative Priority Requests consists of $4,200,000, for the building improvements and $3,341,000 for combined Library/Centennial Hall heating system improvements. The state grant ($2,000,000) for a lightering facility visitor's center (previously planned for under the O'Connell Bridge) may be used for this project to provide a visitor center for the Crescent Harbor lightering facility. Additionally, we have approximately $2-million from the Marine Passenger Fee Fund that would be eligible for this project. If additional funds are not secured, the scope of the project will need to be phased with the additional museum expansion planned for the future if and when funding becomes available.

- The Assembly awarded the design contract to McCool Carlson Green on June 12, 2012.
- The building facility assessment was performed by the design team September 11-13, 2012.
- The project schedule and process was presented to the Assembly on September 25, 2012.
- The second meeting of the Building Design Committee (BDC) was held October 29, 2012 followed by a Public meeting October 30, 2012.
- The third meeting of the Building Design Committee (BDC) was held December 17, 2012 followed by a Public meeting December 18, 2012.
- The fourth BDC meeting was held January 21, 2013 with an Assembly work session presented on the January 22, 2013 meeting
- The fifth BDC meeting was held February 19, 2013.
- The sixth BDC meeting was held March 13, 2013

The Centennial Hall facility assessment, including as-built drawings of the current facility was presented to the Building Design Committee (BDC) and the public in October and December 2012. The assessment lists various building deficiencies and suggested improvements and the costs associated to make corrections (assessment report has been distributed to the Assembly). The recent BDC meetings focused on developing a priority lists and floor plans to address the current funding and future expansions when money comes available.

***Centennial Hall & Library Site and Parking Lot Development:**

S&S General Contractors was awarded the contract in the amount of $2,613,651. Construction started in late January 2013 and final completion is scheduled for September 30, 2013. The total project budget is $3,950,000. The project is being completed in phases with milestone completion dates for each phase. Phase I and II consist of the Centennial Hall and Library Parking lot areas, Phase III is Crescent Harbor parking lot and Phase IV is the pedestrian promenade area next to the lightering dock on the east side of Centennial Hall. A summary of the project phasing is:

Phase I: Demolition of existing asphalt, curbs, sidewalks (Phase I and a portion of Phase II), relocate canoe and dismantle canoe shelter, remove existing 60" CMP (corrugated metal pipe), install new 60" CAP (corrugated aluminum pipe), install underground electrical conduit, install underground storm drain pipe and catch basins, remove existing 6" sanitary sewer service, install new 6" PVC building sewer service and cleanouts and manhole, install 6" gate valve, 6" ductile iron pipe and fire hydrant, excavation, clearing/grubbing, construction surveying, place 2" minus shot rock, and other items of work. Phase I was completed March 15, 2013.

Phase II: Remove trees to be transplanted, temporarily transplant trees, relocate Baranof Statue, remove existing lighting, adjust electric utility vault, relocate electrical transformers and telephone pedestals, storm drain pipe and structure removal, paver removal, install underground electrical wiring and make connections, remove benches, excavation, construction surveying, place 2" minus shot rock, install curb and gutter, install sidewalk, unit pavers, temporary concrete, decorative concrete, concrete landscaping features, Phase I and Phase II paving, install underground storm drain pipe and structures, concrete surfaces, table top crossings, Phase I and Phase II signs and striping, install lighting, and other items of work. Completion of Phase II is scheduled for May 15, 2013.

Phase III: Demolition of existing asphalt pavement, curbs, sidewalk, landscaping features, lighting, storm drain pipe and structure removal, install curb and gutter, install sidewalk, unit pavers, decorative concrete, asphalt pavement overlay, excavation, construction surveying, place 2" minus shot rock, install underground storm drain pipe and structures, signs, striping, install new lighting, start landscaping (all landscaping to

be completed by end of Phase IV) and other items of Work. Completion of Phase III is scheduled for July 15, 2013.

Phase IV: Demolition of existing asphalt pavement, curbs, sidewalk, landscaping features, lighting, storm drain pipe and structure removal, excavation, construction surveying, place 2" minus shot rock, install curb and gutter, install sidewalk, decorative concrete, place asphalt pavement, install underground storm drain pipe and structures, signs, install new lighting, concrete surfaces, landscaping and other items of Work. Completion of Phase IV is scheduled for August 31, 2013.

The Contractor is currently working on Phase II of the project with installation of concrete curb and gutter expected to begin the week of March 25, 2013. The Contractor completed installing large rock along the top of the embankment from the Library around to the boat ramp behind Centennial Hall to help prevent erosion.

Alternative Water Source Investigation Filtration (Blue Lake Project):
We held a kick-off meeting with the consultant to discuss schedule and methods of procurement of the pumps, temporary water contact tanks and filter units. The proposed schedule has the design completed in October 2013, Alaska Department of Environmental Conservation permitting completed in March of 2014, construction of the piping and pumping completed in April 2014 and final installation of the filter units in June 2014 for operation in July 2014. The preliminary design has a projected design and construction cost of $3,000,000. Due to the lack of well potential in the Indian River Valley, temporary surface water filtration will need to be utilized during the Blue Lake Project outage. Award of the design contract was approved by the Assembly on February 12, 2013.

***Alternative Water Source Investigation Wells (Blue Lake Project):**
Significant water well potential exists at Starrigavan Valley. However, the likelihood of having infrastructure in place prior to the planned 2014 shut down of the penstock from Blue Lake is unlikely. A preliminary summary report was submitted to CBS in February 2013 to assist with an Alaska Department of Environmental Conservation loan application. A final report is anticipated in early April 2013. This report of findings and recommendations will assess potential well yields and will include water quality testing data relative to drinking water criteria. Given that the Blue Lake Penstock will need to be shut down for inspection every five to ten years, finding an alternative water source is important beyond the initial Blue Lake project outage in 2014.

On April 10, 2012, the Assembly authorized the expenditure amount not to exceed $700,000 for the purpose of exploring alternative water source alternatives.

***Blue Lake Project and Ultra Violet (UV) Water Tees:**
The Water Division continues working closely with our Engineering Division, Barnard Construction and ASRC McGraw on water piping modifications needed for the new

powerhouse. New tees and valves were installed in the existing 30" transmission water main near the Blue Lake Water Plant and also near Sawmill Cove Industrial Park to facilitate relocation of the main for the Blue Lake project and the future UV Treatment Facility respectively. Rerouting this main is necessary for construction of the new powerhouse. Each of these installations required stopping the flow from Blue Lake to town for approximately eight hours.

The Tees for the Blue Lake powerhouse water line relocation are complete and the sub-contractor has nearly completed the installation of approximately 800 feet of new 24" transmission main. Operators have been helping with locates and keeping a close eye on the construction. ASRC-McGraw has also begun running the new 6" water and 2" sewer force main that will serve the new powerhouse.

Public Works anticipates completion of the water line tees for the new UV Treatment Facility in May/June 2013. On February 14, 2013, the Assembly approved award of a contract to CBC Construction for the amount of $179,960. Due to the long lead time for the large valves, a Notice to Proceed for procurement only was issued on March 8, 2013.

Ultra Violet (UV) Disinfection Facility:

The Design Consultant (CH2MHill) was in town to answer questions for the Assembly regarding the UV Bid by Trojan Technologies and meet with staff to finalize the contract to complete the design of the disinfection facility. Trojan Technologies was the low bidder and the Assembly approved the award of the supply and installation contract to Trojan Technologies for the UV reactors. The project to design and construct the Facility will be operational by 2014. A contract for the design of the disinfection facility will be submitted to the Assembly in April for approval.

The Blue Lake drinking water system is a surface water system, which must comply with the EPA Enhanced Surface Water Treatment Rules (ESWTRs). The subject UV Disinfection Facility will provide the additional microbial and disinfection controls required under the ESWTRs.

Funding for this project will come from State loans and grants.

- $4,000,000 FY 2011 State of Alaska Department of Environmental Conservation (ADEC) Loan. Includes $2,500,000 financed with $1,500,000 subsidized.
- $2,550,000 FY 2012 ADEC Loan (pending).
- $3,500,000 FY 2012 ADEC Grant (30% local match requirement)
- $2,061,000 FY 2013 ADEC Grant (pending - 30% local match requirement)

$12,111,000 Total Project Funding

The grants and loans indicated as pending are grants and loans listed on the Alaska Drinking Water Fund intended use plans which CBS has submitted appropriate paper work to have the grant or loan finalized.

***Library Development Planning:**

The library expansion options were presented to the Assembly on September 25, 2012. The Assembly approved the 50% - 60% option moving forward to a Request for Proposals (RFQ), to design the project. The MRV Architects design team was selected to begin contract negotiations with a planned contract award in April 2013. We are currently reviewing MRV's proposal.

The design phase is expected to take 12 months with advertisement for construction planned for spring 2014. The project construction may be completed in late 2014 or in 2015. The State funding of $5.7 million awarded to CBS is a direct appropriation with no funding match requirements. A private donation of $400,000 has also been given to the project by the John J. and Eleanor Brust Family. $350,000.00 of the budget is allocated to the Centennial Hall Parking Lot Project to relocate the Swan Lake Storm Drain, leaving a current project budget of $5.75 million for the expansion and renovation of the Library.

***Baranof Street Sewer and Water:**

The Design Contract award was approved by the Assembly on March 13, 2012. This project will be completed in two phases. A small contract for the work within the Sawmill Creek Road was completed July 27, 2012. Grants for the water and wastewater portions of the project have been received and the final loan for the water portion of the project is being processed by the Alaska Department of Environmental Conservation. The project is currently advertising for bids with Assembly award planned for late April 2013. Construction is scheduled to begin after the end of the school year ending May 30, 2013.

***Blatchley Middle School:**

The project is approximately 90% complete, within its budget and on schedule for completion in 2013. Installation of wall and floor finishes continues. Installation of ceilings and final lighting in stairways was completed over Spring Break. The Contractors are working on completion/correction of items noted by the Commissioning Agent and Engineers found during the January inspections.

The Commons, Front Entry and Classroom portion of BMS remain closed to the public after 4:00pm daily and on weekends. The Gym and MPR are being used for after school activities with restricted access. These areas are accessed from the pool entry, including pick up and drop off. The project budget is $12.475 million. The contract required substantial completion date is August 1, 2013.

***Pacific High School:**

The building is approximately 37% complete. It is in the process of being 'dried in'- the roof sheathing is installed and the waterproof membrane and roofing installation is beginning. Electrical and Mechanical rough-in is scheduled to begin the end of March or early April. Contractor's schedule predicts the project substantial completion prior to the required substantial completion. If accomplished, this will allow the school to be open for the fall 2013 semester. The project budget is $2.671 million. The contract required substantial completion date is December 1, 2013.

***Spruce Street and HPR Sink Hole:**

The Assembly approved award of a construction contract to Coastal Excavation for $61,135 to complete storm drain repairs on Spruce Street. This project will be funded from FY13 Contracted/Purchased Services. The Contractor began the work on March 13, 2013 however; delays were encountered due to weather and subsequent saturated ground which made the excavation difficult. The work continues to progress and should be substantially complete by mid-April 2013. Substantial Completion is May 1, 2013.

Storm Water Master Plan Phase II:

The first phase of the Storm Water Master Plan was completed the end of June 2012 with Tetra Tech Alaska, LLC gathering existing infrastructure data and condition inventory to include in our GIS system along with precipitation analysis and drainage basin delineation as part of the first phase of the project. The second year grant funding (FY13) was approved by the Alaska Department of Environmental Conservation and the grant agreement was authorized by the Assembly in July 2012. The grant amount of $43,388 requires a forty percent CBS match of $28,925.

Phase II of the Storm Water Master Plan will use the data collected from the FY12 project to: 1) provide more detailed hydrologic modeling of defined drainage basins and estimate stormwater runoff quantities based upon the various intensity rainfall events developed in FY12; 2) evaluate and analyze features of the existing stormwater drainage system, identifying components that are inadequate or undersized based on design storm criteria, and determine various maintenance, repair, and design alternatives to maximize the capabilities of the stormwater system at the lowest cost; 3) develop a final report that includes recommendations for future stormwater projects, opportunities to apply Best Management Practices (BMPs) and/or Low Impact Development (LID), and possible stormwater retention locations for each individual drainage basin defined in the FY12 project.

***Sitka Community Hospital Roof Replacement:**

The project is advertised for bid currently with a bid opening scheduled for April 12. Public Work anticipates construction during summer 2013 and substantial completion by August 31, 2013.

The project is funded through a $1,200,000 FY2013 State Legislative Grant.

***Swan Lake Restoration / Dredging Project (Project # 90747):**

Advertising for construction began on March 5, 2013. Bid opening has been postponed to April 12, 2013 to afford the City the best chances of receiving multiple competitive bids on the project. The Swan Lake dredging project is planned to take place this summer and possibly into the summer of 2014. The project will dredge prioritized selected locations to improve water flow through the lake, winter habitat for fish, access and recreation in general.

The City and Borough of Sitka received $771,236 in Federal funds through the Coastal Impact Assistance Program (CIAP) for this restoration project on Swan Lake. The grant is administered through the Wildlife and Sport Fish Restoration Program, CIAP Branch and runs through December 2015.

Edgecumbe Drive Street Reconstruction:

The project is funded through a $2,900,000 FY2013 State Legislative Grant (Paving Failed Collector Streets – Edgecumbe Drive and Jeff Davis Street). Budgetary cost estimates were completed to help scope the project based on funds available. That estimate indicates approximately $5.5M would be required to completely rebuild Edgecumbe Drive from Kimsham to Cascade Creek to include paving, curb and gutter, sidewalk, and storm drain (budget shortfall of $3.25M); approximately $3.5M would be required to rebuild Edgecumbe Drive from Kimsham to Cascade Creek to include paving and storm drain only (budget shortfall of $1.25M); and approximately $2.5M would be required to rebuild Edgecumbe Drive from Kimsham to Cascade Creek to include paving the drive lanes (not shoulders) and storm drain (budget shortfall of $250K). Public Works staff has begun planning level work for this project. Test borings were completed along Edgecumbe Drive in areas of suspected subgrade failure and in other areas of interest on March 4-5, 2013. This information will assist in the design of the improvements. Public Works anticipates construction during the summer of 2014.

Sawmill Cove Industrial Park Marine Services Industry Feasibility Study:

The RFP for proposals began advertising on February 25, 2013. The scope of the project includes an evaluation of the suitability of a marine haul out facility, a moorage facility for large commercial vessels and a deepwater dock and related infrastructure. The proposals were received March 29, 2013 and are currently under review. The project is funded by a Federal Earmark of $486,917. The project will be administered by Public Works and the Sawmill Cove Industrial Park Director Garry White. The funding is through the State of Alaska and their procurement procedures will be followed to meet the Federal requirements.

Water Division Works on ANB Harbor Renovation:

Water operators located and cleaned all valve boxes for ANB Harbor. The harbor project includes a new and improved water system for the harbor; including a fire protection system. The Environmental Superintendent has been working with the

design team on overall design and Alaska Department of Environmental Conservation approval.

***Water Service Leaks:**

The Water Division responded to seven calls during the last two weeks; three service leaks and four locates. All three leaks were on the "customer side" of the service line and have been repaired. The crew also responded to a hydrant that was accidentally damaged – it will be repaired soon.

Operators continued locating lines along SMC Rd for the paving contractor, Quality Asphalt Paving (QAP).

Water & Wastewater Operators provided locates for our Engineering Division and O'Neill Surveying & Engineering, as we prepare to design the replacement of a problematic ~350' section of old 2" galvanized "main" on O'Cain St. O'Neill Surveying & Engineering will survey the area in the near future.

Water operators and the Water/Wastewater Mechanic and Electrician continue trouble shooting excessive pump run times at the Wortman Loop Water Booster Station. This usually indicates a water leak. This booster station increases water pressure to higher elevation residences in the upper Edgecumbe Dr, Cascade Creek Rd, Charteris St, Georgeson Loop and Wortman Loop area. By systematically isolating sections of the booster station pressure zone, operators have isolated the high water usage to upper Cascade Creek Rd. Informative door hangers were placed on each residence requesting customer assistance in finding the leak/high water use. This generated two calls; neither of which led to the source of problem. Operators continue searching this neighborhood.

The apparent high water pump run-times at the rifle range are now understood to be an electrical malfunction causing the hour meter to accumulate time when the pump is not actually running. The wastewater treatment unit was repaired and was back in service until this last weekend when apparently a bear found the wiring and aeration piping to be good toys. Operators will be working this week to replace the broken air piping and pull in a new electrically operated level float.

Wastewater (WW) Division Routine Maintenance & Training Focus:

In the last two weeks WW operators completed the annual atmospheric monitoring in the lift station dry wells – dry wells are underground rooms where the pumps and controls are located. These dry wells have air blowers that operate on timers and switches when the hatch is open to maintain fresh air below ground. At least once a year WW operators monitor these rooms for oxygen, carbon monoxide, hydrogen sulfide and explosives to assure they are safe for routine entry.

Operators responded to pump problems at Japonski lift station #8; this station handles the flow from the Alaska Department of Transportation building at the airport. Maintenance found that both old pump impellers had swollen enough to cause dragging inside the pump. This is an original pump station; about 30 years old. Both pumps were dismantled, impellers ground to a better fit, reassembled and tolerances adjusted. Operators will watch this station more closely to be sure they function properly.

Also in the last two weeks, the wastewater crew cleaned the wet well at the BIHA lift station. This tank, where the sewage accumulates before pumping, is notorious for grease build up which causes pump control malfunctions. This wet well is cleaned on a 60 day schedule compared to the other wet wells which are on a six month cleaning rotation.

This winter most all Wastewater operators are working on training to advance their certifications – or for the two new employees to become qualified to sit for their first certification exams. Six operators are working through correspondence courses and have submitted applications for the biannual state certification exams in April 2013.

Crosstrail STIP:
On February 14, 2013, Parks and Recreation Division staff learned that the Alaska Department of Transportation (ADOT) re-instated 2013 – 2015 Statewide Transportation Improvement Program (STIP) funding for the Cross Trail Multimodal Pathway. The amount re-funded for FY'13 and '14 was $836,000. The FY'12 funding, $90,000, also remains in the budget. The STIP funding is for the construction of the 4,345' central section of the existing Cross Trail from approximately the Mental Health property to Yaw Drive. The Baranof/Pherson connector which was in the original project scope remains unfunded. ADOT is actively working on the project design and permitting.

Federal Land Access Program (Flap) Grant:
Staff submitted the Federal Lands Access Program grant for the unfunded portion of the project, the Baranof/Pherson Streets and Yaw Drive connectors. The grant request is for $916,896 for 5500' of multimodal pathway construction. The required 9.03% match will come from in-kind time from the Parks and Recreation, a Sitka Trail Works donation and Title II RAC funds. The grant proposal included eight letters of support for the project including a joint letter from Representatives Kreiss-Tomkins and Munoz. The Project Selection team meets on April 24, 2013, to determine which projects will be funded.

Alaska Community Forestry CBS Inventory:
CBS Parks and Recreation staff is working with the Alaska Community Forestry Program to complete a Community Forest Management Plan and survey for urban trees in park areas owned by CBS. This plan includes a tree ordinance that is being worked on by the Tree and Landscape Committee. The project is funded with a $26,000 grant from the Alaska Community Forestry Program. The draft plan will be presented to the

Tree and Landscape Committee, the Parks and Recreation Committee and to the Assembly for approval during the summer of 2013.

Access Walkway by Brenner's:
A maintenance project is moving forward to replace this structure with a concrete ramp with aluminum railings. A red herringbone pattern has been chosen and will be imprinted into the concrete ramp. Lee's Fabrication will be fabricating and installing the Aluminum railings. It was decided that the whale design would not be incorporated into the railing. This project was on the Historical Preservation agenda dated December 12, 2012 and it was recommended by the committee to stain the aluminum railing. At the following January 9, 2013 meeting, it was decided to stay with just the aluminum railing. The project continues to move forward as weather allows and completion is anticipated in spring 2013.

Fire Hall Communications Room:
The server room at the Fire Hall has a lot of electronic equipment which heats the room to over 90 degrees. This electronic equipment degrades and needs to be replaced sooner when subjected to these temperatures. Installing an outside air fan is the most economical way to cool this room. This project which was budgeted in FY2013 at $21,000 was bid and Schmolck Mechanical was the low bidder at $14,300. The substantial completion date has been extended to April 5, 2013, due to equipment availability.