AK BC INTERTIE MEETING
DECEMBER 19, 2006
KETCHIKAN, ALASKA - TED FERRY CIVIC CENTER BOARD ROOM
10:00 AM – 4:00 PM
AGENDA

Welcome and Introductions
Nan Nalder – Moderator
Hatch Acres Team Project Manager

Overview
Status of AK BC Intertie Feasibility Study
Focus of Today's Meeting

Political Strategy
Jim Strandberg
Alaska Energy Authority Project Manager

- **Status of Funding Proposal for Swan Tyee Intertie and AK BC Intertie**
- **Formation of Staff-Level Working Group – Representatives from Alaska and BC**

Jim expressed his appreciation to the AK BC Intertie Work Group (Work Group) and extended his personal welcome to participants from Canada – Jack and Rick from Terrace and Bruce Barrett, BCTC

Stated that AEA has been in close coordination with Canadian partners

Open meeting, minutes will be posted on the AEA website

Jim encouraged good communication with the Hatch Acres Team, consultants to AEA for this study and stressed that he wants to ensure that the consultants are getting good information.

Jim reported to the Work Group that he will be meeting on Thursday with Canadian counterparts to discuss the current status of the Alaskan effort regarding the AK BC Intertie Project.

Jim welcomed Joe Balash, Special Staff Assistant, Office of the Governor, and thanked him for coming to Ketchikan for the Work Group Meeting on short notice.

Joe responded that the new Administration is excited with all the different opportunities that are in the works and stated that he is looking forward to the final Report in April.

Transmission Infrastructure
Nan Nalder, Moderator

BC – Northwest Transmission Line Project
Bruce Barrett, VP – Major Projects, BCTC

Bruce provided an overview of BCTC

- BCTC is an independent crown Corporation incorporated May 2, 2003
- BCTC is responsible for the planning, management and operation of the BC transmission system – 18,000 kilometers of transmission rights-of-way
- BC Hydro still owns the core transmission assets (noted that the exception is the service territory of Fortis, BC, a privately owned utility in southeast BC.
- BCTC directs new investment in transmission infrastructure upon receiving approval from the British Columbia Utilities Commission (BCUC)
- BCTC is in effect the Independent System Operator for British Columbia and is responsible for grid reliability.
- BCTC is interconnected with Alberta and the Bonneville Power Administration (BPA) who owns and operates the backbone system in the Pacific Northwest.
- BCTC operates under an open access transmission tariff that meets FERC regulations, allowing non-discriminatory access to all requestors to use the system.

Bruce stated that BCTC was encouraged with the prospect of construction of the AK BC Intertie and stated that this proposed future connection could provide an opportunity for Alaska entities to connect to the BCTC system.

Bruce discussed current ongoing planning and negotiations regarding the Northwest Transmission Line (NTL) Project

- BCTC proposed 287 kV line from Skeena to Bob Quinn substation
- Nova Gold proposed 138 kV line from Skeena to Bob Quinn involving a back-to-back AC-DC/DC-AC converter system

NTL Project drivers include:

- Mining development proposals in Northwest BC – Nova Gold is developing the Galore Creek Mine and is near to final closure. BC Metals proposes to develop the Red Chris Mine north of Galore Creek
- Economic development objectives in Northwest BC – desire for low cost power
- Potential future resource development – coal-bed methane, oil & gas and other mining projects
- Existing BC Hydro tariff structure – obligation to serve and work with customers to provide network upgrades
- New Reconciliation with the First Nations

Structure of the NTL Project Initiative

- Provincial Government Steering Committee
- Project Working Group lead by BCTC
- Chief Negotiator, First Nations
- Chief Negotiator, Mining Interests

- BCTC Project Manager and Working Group Coordinator
    - o Tim Jennings

Provided maps (see also attached powerpoint presentation):

- o BCTC Transmission System
- o Detail of current infrastructure serving the local area noting that currently there are no transmission facilities north of Stewart, BC.
- o Proposed NTL
- o Potential Intertie to SE Alaska transmission system

Basic Functional Considerations:

- Nova Gold – Galore Creek Mine
- BC Metals – Red Chris Mine
- Forrest Kerr Hydro Project
- Tahltan and other First Nations interests
- Maintain service to existing BC Hydro customers
- Secondary planning considerations
    - o Potential Alaska Intertie – noted that there are challenging physical (Coast Mountains and Iskut River Valley) and related environmental issues involved in route from Bob Quinn to Alaska border
    - o Future resource development

Principal Project Alternatives

- Upgrade 138 kV Skeena to Meziadin (by BCTC); extend 138 kV to Bob Quinn, Forrest Kerr and Galore Creek (by Nova Gold)
- Extend 287 kV from Skeena to Bob Quinn (by BCTC); extend 138 kV to Forrest Kerr and Galore Creek (by Nova Gold)
- Later Options
    - o Extend 287 kV from Bob Quinn to Iskut and Red Chris
    - o Extend service from Iskut to Dease Lake

Nova Gold

- Holds permits and has designed 138 kV line
- Developing Forrest Kerr Hydroelectric Project

Project Development Milestones

- June 8, 2006 – Initial Working Group meeting
- June 22, 2006 – Initial BCTC/BC Hydro engineering team meeting
- June 26, 2006 – Initial Tahltan meeting
- September 2006 – conceptual design & preliminary (+/- 20%) cost estimates - $330 million
- September 2006 – environmental overview assessment
- October – December 2006 – First Nations/Mines/Government discussions and alternatives assessment
- January 2007 – Agreement in Principal to Proceed with Selected Project
- Summer/Fall 2007 – file for regulatory approvals
- Spring/Summer 2008 – begin clearing and access work
- Spring 2009 – begin construction

- Fall 2009 – complete Meziadin to Bob Quinn segment and temporarily energize at 138 kV to serve mine construction loads
- Fall 2010 – In-service date

Preliminary conclusions

- BC Government supports 287 kV Alternative
- Tahltan supports 287 kV Alternative
- Nova Gold is comfortable with proposed cost structure and prefers the technical performance of 287 kV Alternative
- Nova Gold and the Tahltan are uncomfortable with the schedule risk of 287 kV Alternative
- Other mining interests are unable to make financial commitments at this time
- Alaska Intertie Proponents are unable to make financial commitments at this time

Discussion Topics:

- On a question by Dennis Lewis on implications of FERC jurisdiction to the Alaska 4 dam pool network, Bruce noted that Canada regards FERC rules as beneficial and helpful for Canadian Commerce. He further stated that BC has long operated its transmission system has a member of WECC in an integrated manner with U.S. utilities in the west. Bruce noted that the long-term interest of BC is actively participating in the North American market. Noted that PowerEx, an affiliate of BC Hydro, makes money selling to the US and FERC requires reciprocity to enable PowerEx to do so.

Jim Strandberg suggested deferring the FERC jurisdiction issue to Hatch Acres, since it is in their scope of work to consider regulatory issues. This would include consideration of delineation of RCA/FERC jurisdiction on new network, as well as the existing 4 dam pool network. This work would also include consideration of the 4 dam pool power sales agreement longevity and continued applicability under FERC jurisdiction.

- On a question on ability of Alaskan hydro projects to sell into the Canadian market – stated that under BCTC's Open Access Transmission Tariff (OATT) anyone can apply to BCTC for service; BCTC has to treat all requests on an equal basis
- Line capacity – 250 MW delivered north
- BC is a net importer of energy from the lower 48
- Discussed scenario of developing large projects in Alaska and access to markets in BC:
    - Sell to BC Hydro
    - Sell to a large Industrial
    - Sell to Alberta or the lower 48
- Discussed concept of a postage stamp rate

Swan-Tyee Intertie
Dave Carlson, CEO, FDPPA

Dave Carlson gave a brief overview of the proposed Swan-Tyee Intertie (STI) Project that will interconnect the FDPPA owned Lake Tyee Project near Wrangell and Swan Lake Project located near Ketchikan. The STI segment will interconnect existing FDPPA transmission segments between Lake Tyee and Petersburg, and between Swan Lake and Ketchikan, thus interconnecting the communities of Petersburg, Wrangell, and Ketchikan.

The STI is fully designed and permitted; the ROW, with the exception of 2 miles, has been cleared and several foundations for towers are installed. Dave noted that it is important to proceed as soon as possible to complete construction as the permits expire in December 2009.

Dave showed a "pie chart" of current utilization of power generated at Lake Tyee Project and explained that Tyee currently spills 90% of the time as the output exceeds the needs of the combined communities of Petersburg and Wrangell. Dave noted that Ketchikan can use the power "yesterday" in that they have had to fire up their diesel generation to meet load.

Dennis Lewis noted that once the AK BC Intertie is constructed, the capacity at Tyee can be increased by 10 MW by installing the third unit in the Tyee Powerhouse.

Discussion following Dave's presentation:

- What is the cost of power? Response – 6.8 cents.
- When will the debt be paid off? Response – the projects were transferred from the State to the FDPPA in 2002 and are owned by the ratepayers. The debt was refinanced and the current balance due is $60 million.
- Question about interruptible rates and space heating? Response – the FDPPA is revamping its interruptible sales and currently focuses on displacing heating oil with electric heat for government buildings. Dave noted that currently the FDPPA is selling interruptible power to meet a new load at the swimpool in Petersburg. The trend in Southeast is to move from heating oil to electric heat.

Comments by Nan Nalder, Moderator, on Regulatory Jurisdiction

- Concern expressed regarding subjecting utilities to FERC regulation – noted that municipal utilities are not jurisdictional to the FERC
- Business Structure to manage the AK BC Intertie will take into consideration implications of regulation – State at RCA or Federal at FERC
- Possibly several layers of jurisdiction
- Bruce Barrett noted that BC elected to go with the FERC OATT tariff model since power trading with utilities in the US that are subject to FERC jurisdiction in their best interest
- Interest expressed in asynchronous connection
- Concern regarding how to market ancillary services

- Deferred further discussion pending discussion by consulting team with AEA

Economic Overview
Realities of the Market in BC & Lower 48
Randy Hardy, Hardy Energy, Hatch Acres Team

There are two potential markets for Alaska-generated power: British Columbia and the Pacific Northwest.

<u>Pacific Northwest Market</u>

Snapshot of the Current Pacific Northwest Market:

- 50% of the load is publicly owned systems; 50% is investor-owned
- Many systems purchase from the Bonneville Power Administration (BPA), a federal agency that markets power from the federal dams on the Columbia/Snake River system
- Investor Owned Utilities (IOU) in the PNW are in the resource acquisition mode and this will continue.
- Load growth is increasing in the Puget Sound and Portland-Vancouver regions
- Publicly owned utilities are not yet out in the market

Future Pacific Northwest Market:

- Load growth will continue to increase
- BPA's existing contracts expire in 2011 and all current BPA customers are negotiating new contracts
- BPA will no longer acquire new resources and blend them in with the BPA rates
- BPA will continue to market hydropower from the federal dams
- Both IOUs and publicly-owned utilities will be seeking new resources post 2011

<u>Canadian Market</u>

British Columbia is a net importer of power and will remain so for the foreseeable future.

BC Hydro issues annual calls for power.

Snapshot of the Market in British Columbia:

- BC Hydro – serves a retail load and issues annual Calls for Power for direct use in BC system
- PowerEx, marketing arm of BC Hydro, purchases power and re-sells in the bulk power market to utilities in the PNW and California

<u>Alaska Power to the Market</u>

- The market will be there in BC by the time Alaska hydropower is available for the market
- Randy referred to the risk assessment in the D. Hittle Energy Export Report, 2006, and noted that the potential market price forecast was between 6 – 7 cents per kilowatt hour. This is a reasonable range and the delivered rate to BC for Alaska power would need to come in around $70 Mwh (2006 dollars) to BC Hydro and Puget Sound Energy in the PNW.

- Randy referred to the world oil prices and nexus to natural gas generation noting that the price of oil is not likely to go below $50 barrel due to the increasing industrialization and related demand for oil in India and China.

Characteristics of Alaska Projects – Hydro and the AK BC Intertie

- Storage and load-following - Alaska hydro projects provide storage, as opposed to the Canadian projects that are largely run-of-river. Alaska hydro reservoirs can be managed to meet load and can provide day-to-day and hour-to-hour load following
- Seasonal balance – Alaska hydro storage can provide power to Canada when there is little of no capability to generate at the Northwest BC hydro projects. Randy noted that Nova Gold could purchase power at a lower price from Alaska projects than from buying from BC Hydro.
- Voltage Stability – the AK BC Intertie will provide voltage and system stability to BCTC when they experience problems with the 500 kv line south of Skeena.

Bottom Line

- There are viable markets in the PNW and BC
- Transmission costs vary
  - BCTC – 5 cents transmission cost + 2 cents BCTC tariff = 7 cents
  - BPA – 7 cents transmission cost + 3 cents BPA tariff = 10 cents
- Hydro generation needs to come in at $60 - $70/Mwh

Discussion:

- Ease of transaction to sell to BC Hydro or PowerEx rather than seek purchasers in the lower 48
- Potential effect of premium pricing of renewables under the RPS recently implemented in CA & WA and soon to be In Oregon. Discussed use of hydro storage to firm wind power bid into the markets. Cheaper to firm wind with hydro than with natural gas
- Ancillary Service market – again value of storage capability at hydro – current value is $3 - $5 /Mwh – likely to increase to $10 - $15 over the next 3 years.
- BPA system in storage deficit
- PowerEx can dynamically schedule power delivery to CA market

Concept of Public Benefits Charge

- Rural communities are paying 50 cents and above for diesel-generated power where utilities with hydro are paying 6 – 8 cents
- Interconnect systems paying higher costs would provide public benefit
- Is there a potential to levy a public benefits charge to raise funds to construct additional segments of the Southeast Intertie System to interconnect remote communities currently served by diesel generation
- Recommend that you build the projects to meet the market price at 6 – 7 cents; then consider if there is a premium market price that would enable adding a surcharge
- Concern that an “adder” to the cost of service might not meet the test at the FERC. This investigation is beyond the current scope of the contract and will be discussed with AEA.

- Further discussion of the RPS and ability to market hydro power. WA state RPS does not include hydro as a renewable. CA allows hydro less than 30 MW capacity in its RPS.
- Further discussion of the transmission costs – potential $3 Alaska charge + $5 BC charge + $3 BPA charge + $2 CA charge = $12 - $13 range given present tariffs

Discussion: Loads and Resources
Bob Griesbach, Hatch Acres Team – Discussion Leader

Today's Purpose

- To collect detailed information, opinions and ideas on the long-term development of the electricity market in SE
- A robust analysis of the future size of the market is needed to support analysis on:
    - New renewables based generation in SE
    - New transmission in SE
    - Transmission link to BC grid

Discussion Topics – by load center
- Economic development trends
- Nearby communities to be connected
- Conversion of current self generation
- Population growth
- Change in numbers of customers by type
- Changes in average use of electricity by customer type; including impacts of conversion to electric heat, conservation and demand side management
- Significant new industrial, commercial or institutional loads that could be added

Ketchikan

- **Ketchikan Public Utilities in 2005**

Project	**Annual generation**
Swan Lake - FDPPA	77.5 gwh
Ketchikan Lakes	24.4 gwh
Lake Silvis	12.5 gwh
Beaver Falls	42.6 gwh
Diesel	Essentially zero
Total	**158 gwh**

- **Sales approx – 145 gwh**

STI Economic Analysis Load Forecast

Low case	0.25% per year
Base case	0.8% per year
High case	2.00% per year
Extra high case	Close to 10% base year increment for cruise ship load

- Base and higher cases would require significant diesel generation

Ketchikan Public Utilities – Jay Hanson

- Upward trend over past 2 years growth has been above 2%
  154 gwh in 2004 / 158 gwh in 2005 / 164 gwh in 2006
- Load growth is driven by:

Power to Gravina Island Pacific Log & Lumber	1.5 – 2 gwh
Shell Cove Coast Guard Station	2 gwh
AK Ship & Dry Dock expanding negotiations in last rate contract could double current 5 gwh load	5 gwh
Cruise ship traffic – downtown jewelry stores – lighting creates heat requiring air conditioning	
Need Intertie to sell to cruise ships	
Electric heat in Ketchikan	5 – 6 gwh
Borough buildings, hospitals, schools	23 gwh
Regular growth next 3 – 4 years	20 – 25 gwh

Current power availability – probably use diesel – reservoirs are at 48% capacity; January 2005 reservoirs were at 100% capacity.

If experience a cold snap looking at $4 million projected cost to run diesels (fuel cost is 16 cents/gwh)

Noted that STI is a done deal based on those numbers

No additional communities within reach due to limited transportation.

Petersburg

- **Petersburg Municipal Power and Light in 2005**

Project	Annual generation
Blind Slough	13.1 gwh
Lake Tyee – FDPPA	28.8 gwh
Diesel	.9 gwh
Total	42.8 gwh

- **Sales – 37.6 gwh**
- **System peak – 7.9 MW**

STI Economic Analysis Load Forecast

Low case	- 0.5% per year
Base case	0.0% per year
High case	2.00% per year

- Considered that high case allows for conversion to electric heat

<u>Petersburg Municipal Power and Light – Joe Nelson</u>

- Seeing more growth
- Rise in fuel cost driving voluntary switch to electric heat
- Declining block rate encourages 7 cent power to heat

New Major Loads:

Aquatic Center – 2 – 400 KW boilers	800 KW
Cold storage unit	.5 MW
Hospital oil-fired to electric fired last fall Switchover realized savings of $2500 on fuel bill	450 KW

- Sees trend continuing
- Petersburg actively seeking new economic development – Petersburg is the fish processing center of SE Alaska
- Notes that the line to Kake needs to be part and parcel of the project – EIS is done. Under long-term power sales agreements Kake would become customer of PMPL
- Active mining exploration on the South end of Mitkof Island near the FDPPA transmission line between Wrangell & Petersburg – 7 MW load similar to Greens Creek Mine. Currently determining extent of ore; permitting well underway.
- Continued conversion to electric heat – sale of portable electric heaters going full bore – can't keep them in stock

<u>Wrangell Municipal Light & Power (2005)</u>

- Purchases power from Tyee (FDPPA) and operates diesels in standby mode except in June for approximately 0.6 gwh
- Annual sales in 25 gwh range

STI Economic Analysis Load Forecast

Low case	- 1.5% per year
Base case	0.0% per year
High case	1.5% per year

- Considered that high case allows for conversion to electric heat

<u>Wrangell Municipal Light & Power – Steve Henson</u>

- Electric heat metered separately – not block rate
- FDPPA special rate for municipal building transition
- 3 MW cold storage & canning in summer
- Annual growth 2 – 3 MW
- Seeking more new business
    - New Medical Campus – move hospital from oil to electric

- IPEC facilities expansion
- Long term may develop 140 acres of property at Tlingit Haida Institute to provide housing/residential/commercial development
- Port development – Ferry Authority Marine Travel
- Regional Solid Waste-to-Energy Facility being discussed – could be linked into Intertie
- Could double consumption next 5 – 10 years

Kake - served by IPEC

- Diesel generation – 2.6 gwh in 2005
- System peak of 0.6 MW
- Sales of 2.3 gwh
- Projected to grow at 1% per year

Kake – Jodi Mitchell, IPEC

- Sad story at Kake – losing load
- Timber harvest is complete
- New industry unlikely given power in 54 cent range
- Heating oil in $3.75 range
- PCE only helps for the first 500 kwh – 25 – 30% of sales eligible for PCE

Discussion?

- Fish meal plant could be constructed – money to construct is appropriated, but cost of electricity to run is too high to go forwars
- Composting plant couldn't afford energy cost
- Seafood processing plant did not pay bill and brought in self-generation
- With Intertie, PCE would go out of the picture and funds would be released for other communities in need

Strandberg asked Heinrich Kadake, Mayor of Kake, if inexpensive intertie power became available in Kake, what economic development projects could become feasible? Mr. Kadake and Ms. Mitchell responded, that they did not have this information, but promised to develop a list of potential economic development projects for Kake, and deliver this to Hatch Acres and AEA in January.

Metlakatla Power and Light – 2005

Project	**Annual generation**
Chester Lake	4.7 gwh
Purple Lake	10.7 gwh
Diesel	.-0.1 gwh
Total	15.3 gwh

- Sales – 14.3 gwh

Metlakatla – Bill Wilson, Councilman

- Metlakatal currently has surplus generation that could be sold if there were an interconnection to Ketchikan
- Metlakatla has grant from Denali Commission to install poles along Walden Point Road
- Seeking funding for 2.3 mile submarine cable – anticipate in place within 2 years
- Potential to construct new hydros on Annette Island for export
- Baldridge Major Commercial Aggregate Mine – 1 – 2 years out – will produce 3 million tons of crushed product
- Fish processing struggling – seeking grant to double output
- Rising cost of fuel will encourage switch to electric heat – HUD funds
- Population growth currently stable – took a nosedive after the sawmill closed
- Battery banks are operating to stabilize system

Prince of Wales Island – Bob Grimm, AP&T

- Bob Grimm noted that there were no current projections for load growth. He will provide information to the consulting team.
- Jon Bolling noted that they are currently negotiating with a fish processer to locate on POW in 2007 – seasonal load of 1 MW between July – September
- Jon Bolling stated his support for an excise tax on production of power to pay down the debt on extension for new service to utilities

Miscellaneous Discussion re Loads

- Murray Walsh, SEC, noted that there is a potential for demand for electric cars
- Murray also noted that a resurgence of the timber industry could encourage significant economic growth – noted veneer mill and fibre board industries and potential new additional load

Discussion: Generation – Hydro/Renewable Resource Projects
See also attached request for information
Dick Griffith - Discussion Leader
Hatch Acres Team

Please see attached presentation for graphics presented during this brief discussion. Chart identified projects in Southeast Alaska and Northwest British Columbia and potential early-start online date.

Total potential in Southeast Alaska = 261 MW
Total potential in Northwest BC = 311 MW

Miscellaneous Discussion

- APT developing Soule River Project for direct export
- AEA interested in encouraging offshore wind
- Tidal Conference will be held in Ketchikan in January

Discussion:
Business Structure

The consulting team will investigate options for Business Structures as part of their current assignment.

KWETICO update – David Stone, VP, AELP

- The Cooperative Structure offered ability to accept grants/loans; provided tax exempt elements; and open membership to all interests
- Current membership is AELP & IPEC
- Only transmission line is between Juneau to Hoonah – 12 miles (10 miles submarine / 2 miles above ground)
- As lines are constructed, other entities may become members of KWETICO
- KWETICO could own the AK BC Intertie – have legal opinion
- KWETICO h as established an R&R fund to cover overhead lines maintenance and repair
- Question about the line from Snettisham – the state owns the line, AELP covers the debt

Summary of Action Items and Next Steps
Nan Nalder

- Work Group to meet next Thursday
- Next AK BC Intertie meeting with Work Group will be scheduled to occur during time of the Tidal Conference
- Administrative Briefing with Palin Administration and the Contractor will be scheduled 1st or 2nd week of February
- Legislative Briefing could be scheduled to coincide with meeting of Steering Committee
- Southeast Conference Energy Committee - potential venue for discussion
- SEC Midwinter meeting is March 28 – 30 – Draft Final Report will be available
- JC Conley thanked Bruce Barrett and Randy Hardy for their “tremendous content” and noted that it added greatly to the discussion
- Nan Nalder thanked all attendees for their input to the discussion
- Adjourned – Minutes will be e-mailed and posted on the AEA website

PARTICIPANTS

STATE OF ALASKA - GOVERNMENT

Office of the Governor
Joe Balash
Special Staff Assistant
P O Box 110001
Juneau, Alaska 99811-0001
TEL: 907-465-3500
FAX: 907-465-3532
Joe_Balash@gov.state.ak.us

Alaska Congressional Delegation
Sherrie Slick
Stevens, Murkowski, Young
540 Water Street – Suite 101
Ketchikan, Alaska 99901
TEL: 907-225-6880
FAX: 907-225-0390
Sherrie_Slick@stevens.senate.gov

Alaska Energy Authority
Jim Strandberg
Project Manager - AK BC Intertie
AK BC Intertie Work Group
813 West Northern Lights Blvd
Anchorage, AK 99503

David Lockard
Ocean and Geothermal Energy Program Manager
TEL: 907-269-4541
dlockard@aidea.org

Alaska Department of Transportation and Public Facilities
Mark Taylor, PE
Special Projects Administrator
Office of the Commissioner
AK BC Intertie Work Group
3132 Channel Drive, Suite 300
Juneau, Alaska 99801-7898
TEL: 907-465-8223
FAX: 907-586-8365
Cell: 907-321-5479
Mark_Taylor@dot.state.ak.us

<u>Alaska State Legislature</u>
Miles Baker
Legislative Aide, Senator Bert Stedman
Alaska State Legislature
AK BC Intertie Steering Group
Interim:
50 Front Street
Ketchikan, AK 99901-6442
TEL: 907-225-8088
FAX: 907-225-0713
Session:
State Capitol, Room 30
Juneau, Alaska 99801-1182
TEL: 907-465-3873
FAX: 907-465-3922
Miles_Baker@legis.state.ak.us
Toll Free: 877-463-3873

<u>Alaska State Legislature</u>
David Scott
Staff to Representative Johansen
Alaska State House
609 Pine Street
Ketchikan, AK 99901
TEL: 907-617-8054
D_t_scott@hotmail.com

AK BC INTERTIE WORK GROUP/STEERING GROUP/TECHNICAL GROUP

John (JC) Conley
Chair, AK BC Intertie Work Group
3806 Tongass Ave
Ketchikan, AK 99901
TEL: 907-225-5115
Cell: 907-617-5471 (723-1091 shows up on phone)
jcakbc@att.net

Dennis C. Lewis
AK BC Intertie Work Group
P O Box 927
Petersburg, AK 99833
TEL: 907-772-3277
Use PMPL e-mail address – note in subject header “for Dennis Lewis”
pmpl@ci.petersburg.ak.us

Southeast Conference
Murray Walsh
Executive Director
AK BC Intertie Steering Group
PO Box 21989
Juneau, AK 99802-1989
TEL: 907-463-3445
FAX: 907-463-5670
Cell: 907-723-8775
murray@seconference.org

BRITISH COLUMBIA - GOVERNMENT

British Columbia Transmission Corp
Bruce A. Barrett
VP – Major Projects
1055 Dunsmuir
Suite 1100
Vancouver, BC V7X 2X8
TEL: 604—699-7380
Bruce.barrett@bctc.com

US AGENCIES

US Forest Service
Vernon Keller
Realty Specialist
Ketchikan - Misty Fiords Ranger District Tongass National Forest
(907) 228-4129
(907) 225-8738 (fax)
3031 Tongass Avenue
Ketchikan, AK 99901
vkeller@fs.fed.us

ALASKA ELECTRIC UTILITIES

Alaska Electric Light & Power
David Stone
Vice President
AK BC Work Group & Co Chair SE Conference Energy Committee
5601 Tonsgard Court
Juneau, Alaska 99801
TEL: 907-463-6302
David.Stone@aelp.com

Alaska Power & Telephone
Bob Grimm
President
193 Otto Street
PO Box 3222
Port Townsend, WA 98368
TEL: 800-982-0136
FAX: 360-385-5177
Cell: 360-301-3636
Bob.g@aptalaska.com

The Four Dam Pool Power Agency
Dave Carlson, CEO
AK BC Intertie Work Group
PO Box 110987
1301 Huffman Road, Suite 201
Anchorage, AK 99511-0987
TEL: 907-258-7752
FAX: 907-258-2287
Cell: 907-317-1365
dcarlson@fdppa.org

Inside Passage Electric Cooperative
Provides service to Kake
Jodi Mitchell, CFO
P. O. Box 210149
Auke Bay 99821
TEL: 907-789-3196, x24
E-mail jmitchell@alaska.com

Ketchikan Public Utilities
Jay Hanson
Electric Division Manager
1065 Fair Street
Ketchikan, AK 99901
TEL: 907-225-5505
FAX: 907-225-1888
Cell: 907-254-0123
jayh@city.ketchikan.ak.us

Ed Schofield
KPU O&M Manager
1065 Fair St
Ketchikan, AK 99901
TEL: 907-225-5505
eds@city.ketchikan.ak.us

Jennifer Soderstrom
Sr. Project Engineer - KPU
2930 Tongass Ave
Ketchikan, AK 99901
TEL: 907-228-4733
jenns@city.ketchikan.ak.us

Petersburg Municipal Power & Light
Joe Nelson
Superintendent
PO Box 329
Petersburg, Alaska 99833
TEL: 907-772-4203
FAX: 907-772-9287
Cell: 907-518-0489
pmpl@alaska.net

Wrangell Municipal Light & Power
Steve Henson
Superintendent
PO Box 317
Wrangell, AK 99929
TEL: 907-874-3602
linedept@gci.net

ALASKA LOCAL COMMUNITIES

City of Craig, Prince of Wales Island
Jon Bolling
City Administrator
Work Group & Co-Chair SE Conference Energy Committee
P. O. Box 725
Craig, Alaska 99921
TEL: 907-826-3275
jbolling@aptalaska.net

City of Kake
Henrich Kadake
Mayor
AK BC Intertie Steering Group
Box 184
Kake, AK 99901
907-785-3804
(send by US mail)

City of Ketchikan
Bob Weinstein
Mayor
334 Front Street
Ketchikan, AK 99901
TEL: 907-247-8103
mayor@city.ketchikan.ak.us

City of Petersburg
Ted Smith
Mayor
PO Box 841
Petersburg, AK 99833
TEL: 907-772-4429
FAX: 907-772-4649
Cell: 907-518-0069
tedsmith@aptalaska.net

City of Saxman
Kelly Ludwig-Johnson
City Administrator
Rt. 2, Box 1 – Saxman
Ketchikan, AK 99901
TEL: 907-225-4166 Ext. 17
cityadmin@kpunet.net

City of Wrangell
Carol Rushmore
Economic Development Director
PO Box 531
Wrangell, AK 99929
TEL: 907-874-2381
FAX: 907-874-3852
Cell: 907-305-0274
ecodev@wrangell.com

Terry Otness
Wrangell Rep to AK BC Intertie Steering Group
8201 Threadneedle St
Juneau, AK 99807
TEL: 907635-9092
terryo@mac.com

ALASKA NATIVE CORPORATIONS

Cape Fox Corporation
Dr. Bruce Borup
CEO
P.O. Box 8558
Ketchikan, AK 99901
TEL: 907-225-5163 x101
FAX: 907-225-3137
bborup@capefoxcorp.com

ALASKA – FEDERAL INDIAN RESERVATION

Metlakatla Indian Community
William C. Wilson
Councilman
Box 8
Metlakatla, AK 99926
TEL: 907-886-4441
bill@metlakatla.com

BRITISH COLUMBIA - COMMUNITIES

City of Terrace, British Columbia
3215 Eby Street
Terrace, BC V8G 2X8

Jack Talstra
Mayor
TEL: 250-638-1137
talstra@talstralaw.ca

Richard McDaniel
TEL: 250-635-7975
rjm1@telus.net

Jo Anne Haworth
Executive Assistant
City of Terrace
TEL: 250-638-4721
FAX: 250-638-4777
jhaworth@terrace.ca

OTHER PARTICIPANTS

Blaine Ashcraft
Ketchikan Chamber of Commerce
111 Stedman St., Suite 201
Ketchikan, AK 99901
TEL: 907-225-3185
blaine@kpunet.net

Pat Cassin
3207 Lincoln Court
Ketchikan, AK 99901
TEL: 907-617-2240
Pat.Cassin@ak.net

Andrew Damstedt
Reporter, Ketchikan Daily News
501 Dock Street
Ketchikan, AK 99901
TEL: 907-225-3157
Andrew@ketchikandailynews.com

Butch Olmstead, CCO, EVP
First Bank Loan Center, Manager
2030 Sea Level Drive Suite 100
Ketchikan, Alaska 99901
907 228 4240 phone
907 254 0768 cell phone
907 228 4229 fax
Butch.Olmstead@firstbankak.com

HATCH ACRES CORPORATION
CONSULTANT TO AEA

Bob Griesbach
Project Director
1235 North Service Road West
Oakville, ON L6H 2R7
TEL: 905-469-3422
rgriesbach@hatchenergy.com

Dick Griffith, PE
6 Nickerson St
Suite 101
Seattle, WA 98109
TEL: 206-352-5730
FAX: 206-352-5734
dgriffith@hatchacres.com

Nan Nalder
Project Manager
6 Nickerson St
Suite 101
Seattle, WA 98109
TEL: 206-352-5730
FAX: 206-352-5734
nnalder@hatchacres.com

Clark Smith
1235 North Service Road West
Oakville, ON L6H 2R7
TEL: 905-469-3400, x3158
csmith@hatchenergy.com