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## **4R.1-1.0 PREFACE**

Yukon Energy developed a public consultation and involvement program (PIP) for the Project, as is described in Chapter 4 and in Appendices 4A – 4C. The PIP was designed to incorporate public input in the Project design and environmental assessment, as well as meeting the regulatory requirements for public involvement in an effective and credible manner. The PIP addresses the requirements of YESAA and is consistent with the guidance provided by YESAB. This reference document provides the supporting materials to Chapter 4 and its Appendices.

## **4R.1-2.0 CARMACKS STEWART/ MINTO SPUR TRANSMISSION PROJECT PUBLIC INVOLVEMENT PLAN**

The following is the public consultation and involvement plan developed by Yukon Energy prior to the commencement of consultation activities.

### **4R.1-2.1 INTRODUCTION**

Yukon Energy Corporation has begun to assess potential environmental effects associated with the proposed Carmacks Stewart Transmission Line Project. The EA process under YESAA requires “meaningful public involvement” as an integral part of the EA process and project proposal. Yukon Energy has designed a PIP that is intended to meet the regulatory requirement for public involvement in an effective and credible manner. The PIP focuses on First Nation communities and other members of the public who are potentially affected by the Project. Other interested parties can also participate. It is intended to provide early and on-going opportunities for potentially affected and interested parties to receive information on, and obtain their views about, effects of the Project; measures to mitigate effects of the Project; and the environmental assessment process.

### **4R.1-2.2 PRINCIPLES**

Yukon Energy has developed the following principles for the PIP:

- **Opportunities for early involvement:** initiate consultation activities with interested parties early in the process to provide interested parties information on the proposed project and receive input with respect to concerns and opportunities.
- **Opportunities for ongoing involvement:** provide opportunities for interested or potentially affected parties to learn about the process and provide inputs with respect to concerns and opportunities. Where possible, work through the consultation process to resolve issues and enable participants to have inputs recorded at each stage.
- **Opportunities at various stages:** Before and after filing the Project Proposal, provide opportunities for public input.
- **Provide various communication mechanisms:** Provide a variety of mechanisms to communicate and interact with the public.

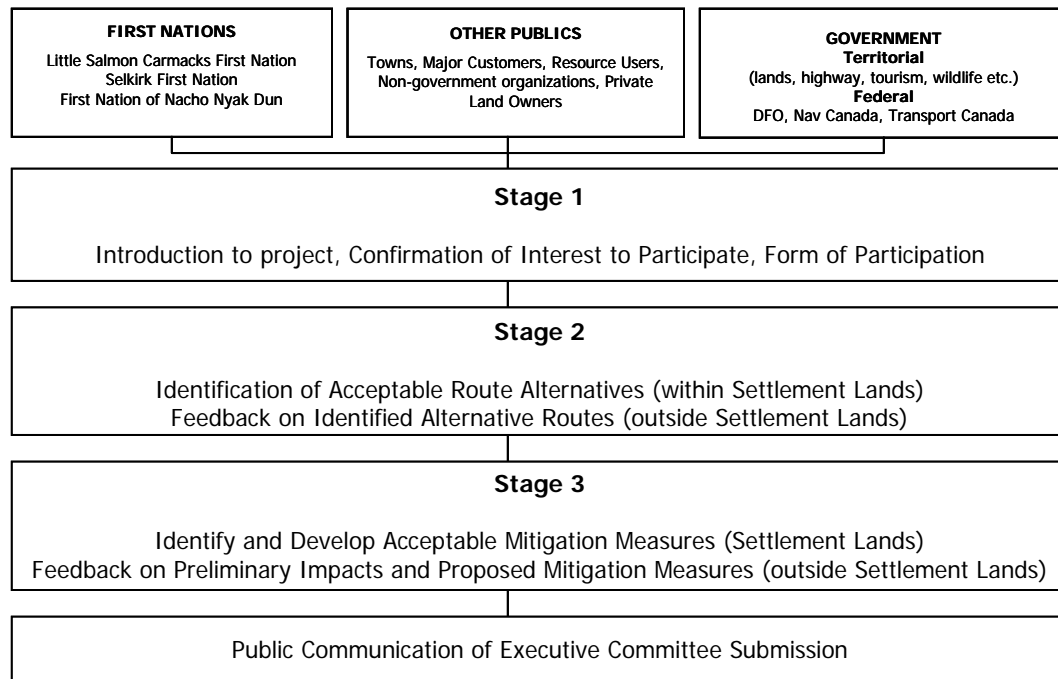
- **Proper consultation with Aboriginal Peoples:** Recognize the unique status of First Nations and Aboriginal peoples who may be affected if the project is developed. In particular, discuss the location and effects of transmission line routes which may traverse the settlement lands of three First Nations.
- **Adaptive Approach:** Adjust the PIP, as required and feasible, throughout the environmental review and planning process, in response to issues, concerns and challenges.

The key features of the PIP are highlighted below.

#### 4R.1-2.3 STAGES OF PUBLIC INVOLVEMENT AND STREAMS OF ACTIVITY

Yukon Energy public involvement activities will take place in three stages as set out in Figure 1.

*Figure 1: Stages of Public Involvement*



Activities will be undertaken in two main streams of activity, one focused on First Nation communities with settlement lands potentially crossed by the Project and one focused on other members of the public who may be affected by the Project or who have an interest in the Project. Each of these streams of activity is presented below:

### **First Nation Communities**

Three First Nation communities will be included in this stream of activity. They include the Little Salmon/Carmacks First Nation (LSCFN), the Selkirk First Nation (SFN) and the First Nation of Nacho Nyak Dun (NND). Each of these First Nations has settlement lands potentially crossed by the proposed the Project. In addition to this public involvement activity, Yukon Energy intends to pursue Impact Benefit Agreements with each of these First Nations.

The stages of activity and their purpose are as follows:

- **Stage 1 Agreement to Participate and Form of Participation:** Yukon Energy will approach the three First Nations to discuss the proposed Project, Yukon Energy's interest in engaging the First Nations in discussions about the routing and environmental assessment of the proposed Project, as well as the intent to pursue an Impact Benefit Agreement with each First Nation. In addition, Yukon Energy will seek guidance on the form of participation of interest from each First Nation and discuss the design of remaining stages of involvement.
- **Stage 2 Route Acceptable to First Nations (within Settlement Lands):** The design of following stages of PIP with First Nations will depend upon the discussions during Stage 1. In general terms, the intent of Stage 2 is to discuss potential alternative routes to cross settlement lands held by each First Nation, to understand the benefits and drawbacks of those alternatives, and to understand each First Nation's perspectives about the alternatives. This information will be of value in finding a preferred alternative route through settlement lands that minimizes adverse effects to each First Nation, while balancing those effects with technical, environmental and cost considerations. It is expected that discussions leading to the Impact Benefit Agreement will occur in parallel with Stage 2.
- **Stage 3 Mitigation Measures Acceptable to First Nations (within Settlement Lands):** The design of Stage 3 will be set during Stage 1. In general terms, the intent of Stage 3 is to discuss the effects of the preferred route that crosses settlement lands held by each First Nation and to discuss mitigation measures to address Project effects. This information will be of value in finalizing the planning of the Project and in completing the Executive Committee Submission under YESAA. It is expected that discussions leading to the Impact Benefit Agreement will occur in parallel with Stage 3.
- **Communication of Executive Committee Submission:** Once complete, the Executive Committee Submission will be shared with each of the First Nations. It is anticipated that First Nation communities may wish to receive an overview of the Executive Committee Submission through a public presentation. Other methods could also be used; such as distributing the Executive Summary of the document.

### Other Publics

There are other publics potentially affected by the proposed Project and those with an interest in the Project. The focus of this stream of activity will be lands which are not part of First Nation settlement lands. An initial list of affected and interested publics to be included in this stream of PIP activity include Carmacks Village, resource users, private landowners, non-government organizations, and major customers of Yukon Energy.

The stages of activity and their purpose are as follows:

- **Stage 1 Initial Contact, Offer to Consult and Form of Participation:** Yukon Energy will make contact with potentially affected and interested publics to offer to consult with them about the proposed Project. Information relevant to the design of consultation during Stages 2 and 3 will be sought. Stage 2 and 3 forms of consultation could include open houses, workshops, meetings, a website and others as appropriate. It is anticipated that one contact with each affected or interested public would take place during each of Stages 2 and 3.
- **Stage 2 Feedback on Identified Alternative Routes (Outside Settlement Lands):** The intent of Stage 2 is to obtain feedback from the public regarding identified alternative routes for the Transmission Line Project on non-settlement lands. This includes constraints, opportunities and issues along the route. Consultation results will be documented. Information obtained during this stage will be considered, along with consideration of technical factors, cost, environmental and socio-economic factors, in finding a route which minimizes adverse effects and makes the most of opportunities that may be present along the route.
- **Stage 3 Feedback on Preliminary Effects and Proposed Mitigation Measures:** The intent of Stage 3 is to obtain feedback from the public about preliminary conclusions regarding effects of the preferred route that crosses non-settlement lands, as well as potential ways to mitigate effects. Consultation results will be documented. This information will be of value in finalizing the planning of the Project and in completing the Executive Committee Submission under YESAA.
- **Communication of Executive Committee Submission:** Once complete, the Executive Committee Submission will be shared with affected and interested publics. The Executive Committee Submission will be placed on the Yukon Energy website and the Executive Summary of the document will be mailed to all affected and interested publics identified in process.

### **4R.1-2.4 METHODS AND DOCUMENTATION**

The streams and stages of activity set out above anticipate that a variety of methods will be used to consult with First Nations and with affected and interested publics. Stage 1 discussions in both streams are intended to assist with the design of appropriate methods of consultation for publics included in the Plan. These methods may include:

**Individual meetings** are expected to be one appropriate format for consulting with First Nations and other publics with individuals or organizations. Meeting notes will be taken.

**Public open houses** in a come-and-go format will provide an opportunity for the public to engage in face-to-face interaction. Where utilized, individual invitations and advertisements will be made in local media. Feedback via annotations on maps and a questionnaire will be used.

**Workshops**, if utilized, provide a highly interactive format. Workshop notes will be taken.

**Website:** A website, developed and hosted by Yukon Energy, is a source for current information on the assessment process. It will be updated throughout the process to inform the public and share information as it becomes available. The website address is [www.yukonenergy.ca](http://www.yukonenergy.ca).

Results of the PIP will be documented in the Executive Committee Submission.

#### **4R.1-3.0 YUKON ENERGY WEBSITE**

In the fall of 2005, Yukon Energy created a link on their website posting a brief description of the proposed Project. Along with providing a brief overview of the project components, the website described the contingencies for the Project to move ahead (such as agreement from the First Nations and the securing of necessary environmental approvals and permitting including a licence under YESAA). It also described the consultation process. The website also included Yukon Energy media releases about the Project and links to the newsletter developed for consultation.



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[Media Releases](#)

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## Yukon Energy/First Nations Sign Carmacks-Stewart MOU

*May 25, 2006*

Yukon Energy and three Yukon First Nations have signed a Memorandum of Understanding (MOU) regarding the proposed Carmacks to Stewart Transmission project.

The MOU signed by Yukon Energy, the First Nation of Nacho Nyak Dun, the Selkirk First Nation and the Little Salmon/Carmacks First Nation, lays the ground rules for the parties to work together towards making this initiative a reality. If the project goes ahead, it will see the development of a Carmacks to Stewart line to connect the Whitehorse/Aishihik/Faro and Mayo/Dawson power grids.

The current proposal includes a new 138 kV transmission line that would start from a new substation in Carmacks, proceed generally along the Klondike Highway to a new substation at Pelly Crossing (thus providing hydro power to Pelly), and then northwards to connect to the existing Stewart Crossing substation. Yukon Energy also proposes to build a lower voltage spur line connecting the main power line to the Minto Explorations Ltd. copper-gold mining project. It's proposed that a second spur line be built to the Western Copper Corporation copper mining project, should that mine proceed.

"No decisions have been made at this time to proceed with this project, nor has the precise transmission line route been established," Yukon Energy President David Morrison said. "However this MOU is a big step in the process, and Yukon Energy is looking forward to continuing to work closely with the Northern Tutchone First Nations on this initiative."

Before committing to build the line, Yukon Energy would ask the Yukon Utilities Board to review the project, would seek all necessary environmental permits and approvals, and would conclude arrangements with major mining customers and the Yukon government to ensure that Yukon ratepayers are protected against adverse rate impacts.

-30-

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## Carmacks-Stewart Power Line

Yukon Energy is exploring the possibility of building a transmission line between Carmacks and Stewart Crossing. If built, such a line would link together the Whitehorse-Aishihik-Faro (WAF) and Mayo-Dawson (MD) transmission systems into one grid. Connecting these two systems by a 180 kilometre transmission line would encourage economic development along the corridor, enhance overall power system reliability and provide greater flexibility in terms of power availability. The line would also allow Pelly Crossing, a community currently relying on diesel generation, to have access to hydro power.

### Download related information

[Proposed Carmacks-Stewart Transmission Project Newsletter - May 2006 \(876 KB\)](#)

*You will need Adobe Acrobat Reader to view pdf files. If you don't have the free Acrobat software installed on your computer, you can [download it here](#).*

**No decisions have been made at this time to proceed with the project.** Yukon Energy has received funding from the Yukon government to proceed with initial environmental assessment planning and public consultation work on a Carmacks-Stewart line. The focus of this first phase is to help firm up a process for choosing a transmission line route, to determine the feasibility of proceeding further with the approvals process, to produce a detailed list of regulatory approvals required to license a transmission line, and to draw up a tentative schedule for the environmental assessment submission and approvals process. If the above conditions are met, we expect to provide a submission to the Yukon Environmental and Socio-Economic Assessment Board in the summer of 2006.

Any decision to proceed with construction of the transmission line is contingent on the following:

- Satisfactory arrangements with First Nation communities in order to identify and finalize a transmission line route through areas that must cross First Nation Final Settlement Lands.
- Sufficient financial support from the Yukon government to ensure ratepayers are protected from associated rate increases.
- Agreements with major customers such as mines that provide commitments to purchase Yukon Energy power.
- Securing necessary environmental approvals and permits, including licenses under the new *Yukon Environment and Socio-Economic Assessment Act* (YESAA).

Also, before committing to building the transmission line, the Yukon Utilities Board will be asked to review the project and provide recommendations to the Yukon government. As well as entering into meaningful consultations with the affected First Nations, the Yukon public will have the chance to provide input in various ways and at various stages of the process.

### Public Involvement/Consultation

Yukon Energy has designed a consultation process that is intended to provide early and ongoing opportunities for First Nations, major customers, communities and individuals to receive information and give input regarding the project and the environmental assessment process.

Stakeholders and the Yukon public will have ample opportunity to provide input on the Carmacks-Stewart Transmission Line project at various points. Meetings will take place with affected First Nations and municipal governments. There will be a series of open houses that will give the public a chance to speak face-to-face with Yukon Energy officials. Watch this web site and the local media for a schedule of meetings and open houses.



#### **4R.1-4.0 NATION SELF-ORGANIZED ACTIVITIES**

The MOU between the NTFNs and Yukon Energy provided for financial resources for each First Nation to facilitate consultation activities associated with development of a Project Proposal submission document, including selection of a preferred route. Each NTFN developed and implemented independent consultation activities adapted to meet their specific community needs.

##### **4R.1-4.1 LITTLE SALMON CARMACKS FIRST NATION**

No materials on self-organized activities were provided by the LSCFN.

The LSCFN and its Renewable Resources Council (RRC) did not provide materials from the meetings or activities related to the Carmacks-Stewart Transmission Project.

##### **4R.1-4.2 SELKIRK FIRST NATION**

The following are materials produced by the SFN as a part of their consultation activities for the project, followed with materials from the Selkirk RRC. They were available for distribution on August 9, 2006, at a community meeting and open house in Pelly Crossing.



August 9, 2006

Selkirk First Nation *Preferred Route:*  
Summary of Consultation  
Draft: For Discussion Only

**1. Pelly Community Site:** No community decision to date

- ☐ Thru community
- ☐ Pelly West (R-45B, C-7B, C-8B, crosses Farm road, crosses Willow Crk)
- ☐ Pelly East (cross highway, cross Mica Crk, cross old wood road, C-9B)
- ☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

**2. Substation:** on Crown land

- ☐ Substation Option A (conflict with future sewage lagoon?)
- ☐ Substation Option B

Comments: \_\_\_\_\_  
\_\_\_\_\_

**3. Six Mile Lake**

- ☐ Between 6 mile & Noname Lake (on middle ridge, on dry land, not on wetlands)
- ☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_

**4. Rock Island/Lhutsaw Lake**

- ☐ Very wide buffer & on slope of hill
- ☐ Keep away from highway & wetlands, keep dry

Comments: \_\_\_\_\_  
\_\_\_\_\_

**5. Fire wood Area:**

(R-10B, R-11B, See Land Use Plan for Hetsutthat: Commercial logging for NTFN))

☐ Promote opportunity for access to firewood harvest area

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**6. Policeman Hill**

(avoid east side, respect gravesites)

☐ Cross highway in middle of incline,

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**7. Minto Landing** (R-3A and YTG land)

☐ Substation in YG gravel pit

☐ Keep away from highway

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**8. Minto Spur Line:** No community decision to date

☐ Needs further discussion. See map

( Minto Ex mine waffling on new barge landing)

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**9. Minto Access Road:** No community decision to date

☐

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**10. McCabe Creek** (boundary of SFN Settlement Land)

☐

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**11. Hoochekoo**

☐ Keep away from highway

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**12. McGregor Creek**

☐ Keep away from highway

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_

**13. Yukon Crossing**

☐ Keep away from highway, far back to keep aesthetics

☐ Other: \_\_\_\_\_

Comments: \_\_\_\_\_



## Summary of SFN issues: Powerline Route

This information is in addition to the summary provided by InterGroup Ltd's

No.	Issue	Source	Follow Up
	<b>General:</b> -Need more information -Go around Pelly, not through it -someone from SFN to monitor all the time -have SFN people to survey BEFOREHAND, someone who knows the land -leave trees between highway and powerline --stay away from graveyards -Go further away from the highway -2 members not in favor of powerline -Pros of line: Shut down generator, better/stable power rate/ firebreak across the land/ no shut down during high use times/better access to hunting/berries may encourage traditional pursuits -People do not want to see the powerline from road -Both Pelly East and West would impact fishcamps. This is where fishnets go. -Heritage sites need to deal with Heritage Dept -People are saying they want more time to review this proposed rote with individual maps -Mistake in door-to-door: area south of McCabe Crk to	-door-to-door -door-to-door -door-to-door -door-to-door -door-to-door -door-to-door- -door-to-door -june 21 meeting  -june 21 meeting  -june 21 meeting -june 21 meeting	-second stage of door-to-door was conducted June 27, 28, 29 – 4 more days    -Second community meeting to be coordinated in August

	<p>Yukon Crossing not included in maps</p> <ul style="list-style-type: none"> <li>-Avoid Yukon Crossing ROW by highway for tourists</li> <li>-Don't keep crossing the highway.</li> <li>-At gravel pit (Lhutsaw) stay behind hill</li> <li>-members should get jobs</li> <li>-whole community should be involved</li> <li>-company clean-up afterwards</li> <li>-don't use wrong equipment</li> </ul>	<ul style="list-style-type: none"> <li>-June 15 field trip</li> <li>- June 15 field trip</li> <li>-Elders meeting 2003</li> <li>-Elders meeting 2003</li> <li>-Elders meeting 2003</li> <li>-Elders meeting 2003</li> </ul>	
	<p><b>Minto:</b></p> <ul style="list-style-type: none"> <li>-Cross over the highway by Policeman's Hill. Go along sidehill but not too close in case of slide</li> <li>-Line close to mountain at Minto</li> <li>-Before Minto, go along the mountain</li> <li>-Come down Policeman Hill near old farm road and cross highway near gravel pit on the hill. East of gravesites, west of highway</li> <li>-Put booster station in middle or back of gravel reserve on Minto flat. From there line can follow base of hill</li> </ul>	<ul style="list-style-type: none"> <li>-door-to-door</li> <li>-door-to-door</li> <li>-door-to-door</li> <li>-June 15 field trip</li> <li>- June 15 field trip</li> </ul>	
1.	<p><b>Buffer:</b></p> <p>(as indicated in attached Intergroup Ltd summary)</p> <ul style="list-style-type: none"> <li>-Ensure buffer area</li> <li>-15m buffer not wide enough thru heavy timber</li> <li>-don't know enough about buffer, need more info</li> </ul>	<ul style="list-style-type: none"> <li>-Elders meeting 2003</li> <li>-Door-to-door</li> <li>-door-to-door</li> </ul>	
	<p><b>Wetlands:</b></p> <ul style="list-style-type: none"> <li>-go around wetlands, calving there</li> <li>-protect fish habitat and water</li> <li>Go around by Willow Creek but not close. Prefer to left of highway. Do not want it to the right because of Granite Canyon</li> <li>-Right underneath the mountain on west side of Lhutsaw between Stink Lake and Leroy Lake</li> <li>-Line is adjacent highway and RRC wants this to be at baseline of mountain (due to) close proximity to Lhutsaw</li> <li>-Migration route of wildlife to be examined near Lhutsaw</li> <li>-Just other side of 6 mile under ridge like proposal, dry</li> </ul>	<ul style="list-style-type: none"> <li>-door-to-door</li> <li>-door-to-door</li> <li>-door-to-door</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-June 15 field trip</li> <li>-June 15 field trip</li> </ul>	

	<p>there under ridge</p> <ul style="list-style-type: none"> <li>-Line should be between Leroy Lk and 6 mile, along ridge</li> <li>-Between Stink and Rock Island Lake: stay on top of hill at least 1/2km back</li> </ul>	-June 15 field trip	
	<p><b>Traplins:</b></p> <ul style="list-style-type: none"> <li>-Look at Mayo and invasion of traplines,</li> <li>-Needs to be better communication</li> <li>-Trappers will be affected,</li> <li>-SFN needs to develop systematic plan as to how to deal with collective interest</li> <li>-Need to consider whole impact on families. YTG have been looking at this for years and have not been successful.</li> <li>-Concerns must be addressed. (SFN) to continue to bring forward in our discussions</li> <li>-Compensation to trappers in (Mayo line) experience did not occur so we need to review what was not done and develop a system to address this.</li> <li>-YEC said they sent out letters to individual trappers, but trappers did not receive any correspondence from YEC</li> <li>-Responsibility of trapper to forward claim. I do not believe it should be up to trapper to provide proof.</li> <li>-High country is the place where moose and other animals go to protect themselves in winter. Access to winter grounds could impact trapper.</li> <li>-Seems like trapper is always at low end of consideration.</li> </ul>	<ul style="list-style-type: none"> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> </ul>	-Trappers meeting to be coordinated by Lands Dept in September
	<p><b>Wood Harvesting:</b></p> <ul style="list-style-type: none"> <li>-all logs/wood to go to community</li> <li>-woodcutters will be part of the negotiations</li> <li>-Opening areas up for firewood.would be helpful</li> <li>-good spruce stand west of Lhutsaw</li> <li>-wrong equipment used in Mayo-Dawson line wrecked the wood and depletes value.</li> <li>-wood not used in Mayo-Dawson line</li> </ul>	<ul style="list-style-type: none"> <li>-door-to-door survey</li> <li>-june 21 meeting</li> <li>-june 21 meeting</li> <li>-june 15 field trip</li> <li>-email from EMR</li> <li>-Elders meeting 2003</li> </ul>	

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	<b>Traditional Uses:</b> -TK was not properly utilized in Mayo line -Medicine spots, favorite hunting spots or berry picking has to be taken into consideration before a decision is made -Main concern is wintering (of wildlife), trapping and traditional pursuit grounds -avoid important areas altogether -don't spoil moose country -Fish and wildlife planning comes from May Gathering recommendations	-june 21 meeting -june 21 meeting  -june 21 meeting -door-to-door	
	<b>Wildlife: Regional Biologist Summary</b> -can't say powerline is good or bad -cut through forests changes habitat -mice, some birds, moose, bears like this because of the vegetation. -marten, caribou, some birds don't like this because they like covered areas. -some animals do not want to cross big open areas. The highway corridor and the powerline corridor is a large area and there will be impacts. -wolves and coyotes like a traveling run, In Alberta caribou are affected by this. -clearing a strip in forest opens it for exotic and non-local plants (eg sweet clover) -can really affect hunting pressure on herds because areas are opened up. -if line is far from highway, they need more maintenance roads. Good for hunters but not good in stressed areas. -herbicides are often used and seriously affect animals and local plants -Yukon Govt doesn't have much information on areas of importance, you need to provide TK to provide this info -we have on our maps: <b>winter range for caribou</b> in Lhutsaw, around McGregor Creek and near Tatchun -Ethel Lake and Rock Island have already been affected by	-june 21 meeting	



	<p>1995 fire.</p> <ul style="list-style-type: none"> <li>-wetlands north of Pelly cannot be overlooked. We already talked about the larger wetlands</li> <li>-Avoid important areas altogether. Animals go there for a reason</li> <li>-(About the buffer) nearer the highway has some advantages because you are narrowing the land torn up. You should lessen the area aopened up. The downside is ascetics</li> <li>-in areas newly opened up, you could limit access</li> </ul>		
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Comments

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## Elders meeting 2003

### ☐ Elders Meeting in Mayo, May 6,7, 2003

Approximately 20-23 Elders from Pelly, Carmacks and Mayo participated in discussion about the Mayo-Dawson Transmission Powerline

Here are the recorded **General Comments:**


- Ensure there is a forest buffer between line and road
- Ensure First Nations get priority for jobs
- Don't use brush cutting machines for swampy areas
- Ensure route, highway crossing and size of poles are all agreed upon and adhered to.
- Make sure companies clean up the mess after
- Route should be on far side of the road away from Yukon River especially down at Minto
- Lhutsaw Lake must also be avoided
- the three First Nations should get together and tender for contracts
- The whole community should be involved.



## BACKGROUND

### Consultation on Carmacks-Stewart POWERLINE Route Selection

- 1. Yukon Energy PROPOSAL** (Early 2006)
  - Yukon Energy meets with SFN Leadership to propose powerline
  - Yukon Energy provides information to SFN Leadership for review, including information on development process
  - Yukon Energy submits maps to SFN Leadership with proposed route thru SFN traditional territory.
  - SFN makes no decisions on this proposal
- 2. Northern Tutchone FN sign MOU with Yukon Energy** (May 1, 2006)
  - the MOU outlines the working relationship between the FN and Yukon Energy.
  - Steering Committee: Jim Harper, Mike Vance (LSC) and Albert Peters (NND)
  - No decisions are made on the proposal
- 3. First round of consultation: Yukon Energy and Northern Tutchone Lands Managers and Leadership** (May 18, 2006)
  - Information sharing meeting in Pelly. Maps and process of development are discussed.
  - No decisions are made
- 4. Door to Door survey begins in Pelly** (June 13-20, 2006)
  - Information sharing, maps of the route are provided
  - Peoples concerns and questions are recorded
- 5. Pelly Community consultation meeting** (June 21, 2006)
  - Elders and community members attend meeting with SFN Leadership, Lands Dept staff, Jim Harper, SRRC, Regional Biologist, and Yukon Energy people
  - Information on route alternatives thru Settlement Land and non-Settlement Land ,Trappers concerns
- 6. Door-to-Door Survey continues** (Currently)



## BACKGROUND

### Consultation on Carmacks-Stewart POWERLINE Route Selection

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  - Steering Committee: Jim Harper, Mike Vance (LSC) and Albert Peters (NND)
  - No decisions are made on the proposal
- 3. First round of consultation: Yukon Energy and Northern Tutchone Lands Managers and Leadership** (May 18, 2006)
  - Information sharing meeting in Pelly. Maps and process of development are discussed.
  - No decisions are made
- 4. Door to Door survey begins in Pelly** (June 13-20, 2006)
  - Information sharing, maps of the route are provided
  - Peoples concerns and questions are recorded
- 5. Pelly Community consultation meeting** (June 21, 2006)
  - Elders and community members attend meeting with SFN Leadership, Lands Dept staff, Jim Harper, SRRC, Regional Biologist, and Yukon Energy people
  - Information on route alternatives thru Settlement Land and non-Settlement Land , Trappers concerns
- 6. Door-to-Door Survey continues** (Currently)



## Carmacks-Stewart Transmission Powerline

### Where would the transmission powerline have an impact on:


(during construction and in the future)

- ☐ wildlife, moose/caribou calving/rutting
- ☐ mineral licks
- ☐ birds of prey, ducks and other waterfowl
- ☐ wetlands/swamps/creeks
- ☐ freshwater fish (eg grayling in Willow Crk)
- ☐ salmon (eg McCabe & Lhutsaw Crk)
- ☐ **heritage/cultural place**
- ☐ berry-picking /medicinal plants
- ☐ other?

- ☐ **Building new access:** The powerline will have a maintenance road underneath it which allows people to access new areas for **hunting and collecting firewood.**

There are Land Use Plans for Selkirk Settlement Lands developed by SFN Lands Dept and Selkirk people, however these Plans will have to be revised if new roads are built. **What/Where are your concerns with building new access roads?**

- ☐ **The Powerline will have to cross the highway at some places (see map) Do you have any concerns?**



# MOU

briefing note for Chief Darin Isaac  
Transmission Powerline Consultation on Route

MOU signed May 1, 2006  
Between three NTFN and Yukon Energy

Not with Yukon Government

- to connect Whitehorse/Aishihik transmission grid with Mayo/Dawson
- Also
- to establish a spurline connecting the Powerline to Minto Ex. Mine

The powerline still needs to be approved and funded within timelines relevant to the Minto Mine

NTFN believe the Powerline will provide meaningful benefits and opportunities (if advanced under satisfactory regulatory conditions)

The powerline should improve conditions for other economic activity in the NTFN region.

The powerline should enable electricity to be supplied to households on a less expensive basis.

**Granite Dam: Yukon Energy has a 20-year long term generation plan that DOES NOT INDICATE ANY BASIS TO CONTEMPLATE DEVELOPMENT of GRANITE CANYON...(without there first being new demands several times larger than the loads experienced by Faro)**

Agreement in Principle  
NTFN and YEC agree to support the establishment of the Powerline and Minto Spur line and agree to cooperate

Still Outstanding:

1. Regulatory proceedings under YESAA and NTFN processes
2. Detailed route assessments and final selection
3. Final decisions of the Parties

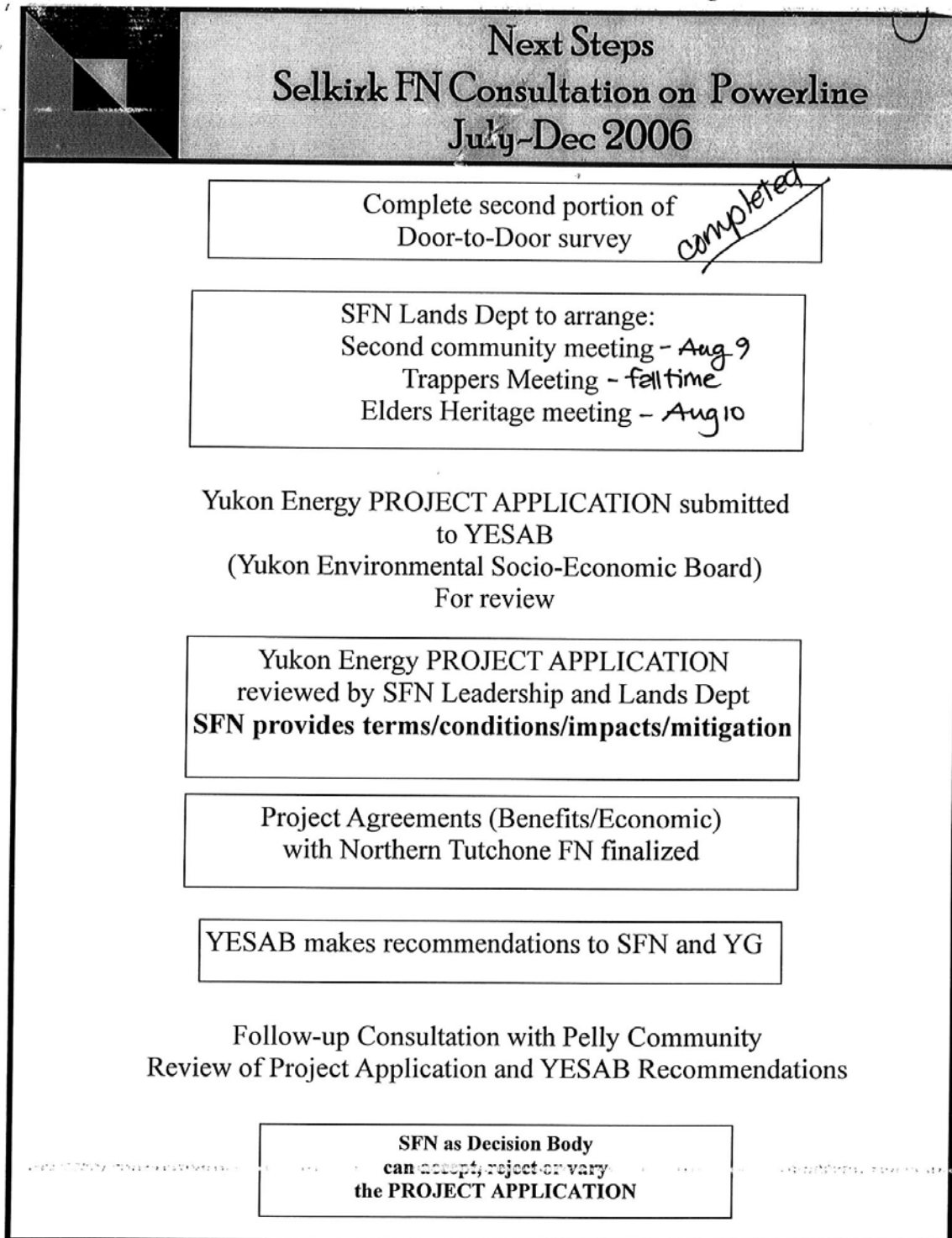
Selkirk First Nation

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Transmission Powerline  
Working Group Meeting  
Aug 7, 2006

Main points:

1. Need more information on all the things that went wrong on the Mayo-Dawson route, including the contractor/sub-contractor experience.
2. All three NTFN should get together and tender Contracts.
3. The trappers Compensation process needs to get going. SFN needs to deal with this and meet all together.  
The current process has many flaws including no understanding of animals and impacts to lifestyle.
4. Recommendation that SFN Lands Dept provide an information package with a questionnaire to all members to get more info out with prizes.
5. Yukon Energy needs to provide the community with a presentation on what the powerline will look like, now, in 10 years, what do the access roads look like, substations, highway Right-Of-Way with powerline beside it. Need lots of pictures, photos and examples so people can understand.





#### **4R.1-4.3 NACHO NYAK DUN**

Supplementary consultation materials were not provided by NND or the Mayo RRC.

#### **4R.1-5.0 CONNECTIONS TO CONSULTATION ON THE YUKON ENERGY RESOURCE PLAN**

In 2006, Yukon Energy filed a 20-year Resource Plan with the YUB. The plan addresses the Yukon's major electrical generation and transmission needs from 2006 until 2025. The Carmacks-Stewart Transmission Project is identified in the Plan as a near-term requirement that would connect the Whitehorse-Aishihik-Faro (WAF) and Mayo-Dawson (MD) power grids. A public review of the Resource Plan, consisting of 13 community meetings, took place over the course of June and July 2006. A copy of all the Resource Plan related consultation materials are provided below.

Yukon Energy committed to an additional round of consultation on the Resource Plan for the fall of 2006 as many of the meetings had low attendance and were in conflict with community summer schedules.

#### 4R.1-5.1 YUKON ENERGY WEBSITE:



[Media Releases](#) [Planned Power Outages](#) [Safety Notices](#) [Coming Events](#)

### Coming Events

Yukon Energy has filed a 20-year [Resource Plan](#) submission with the Yukon Utilities Board (YUB) that addresses our major electrical generation and transmission needs from 2006 to 2025.

No final decision has been made to implement any of the projects proposed in this plan. We are first seeking review by the Yukon Utilities Board, and input from Yukoners through a series of public meetings. You are invited to attend any of these public sessions:

\*All the meetings begin at 7 p.m. unless otherwise noted.

Thursday June 22 - High Country Inn, Whitehorse

Monday June 26 - Marsh Lake Fire Hall

Tuesday June 27 - Carcross Community Curling Club

Wednesday July 5 - Mayo Curling Club

Wednesday July 5 - Carmacks Recreation Centre

Thursday July 6 - St. Mary's Hall, Dawson City

Monday July 10 - Watson Lake Recreation Centre

Wednesday July 12 - Haines Junction Convention Centre Atrium

Wednesday July 12 - Ross River Community Hall

Thursday July 13 - Teslin Recreation Complex

Monday July 17 - Faro Sportsman's Lounge

Wednesday July 19 - Pelly Crossing Old Community Hall


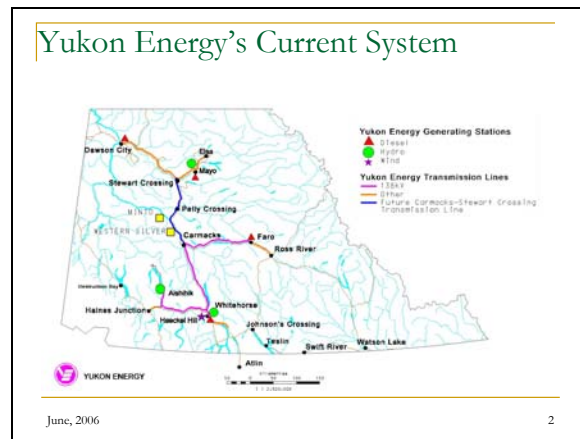
\*12 noon - free lunch will be served

Thursday July 20 - Tagish Community Centre

#### 4R.1-5.2 WHITEHORSE PRESENTATION MATERIALS:

**Yukon Energy**  
**20-Year Resource Plan:**  
**2006-2025**

Summary and Overview  
June, 2006

**Planning Criteria (3)**

**New Planning Criteria – 2 conditions to be met:**

- Loss of Load Expectations ("LOLE")** approach similar to other Canadian utilities.
  - Target 2 hours: this requires that on average we would expect no more than 2 hours of system outages per year
  - Other Canadian utilities use 1 to 2 hours
- Emergency planning criteria** will forecast peak winter load under the largest contingency (known as "N-1")
  - Focuses on system capability assuming the loss of the system's single largest generating or transmission-related generation source
  - N-1 criterion will not be extended to major industrial customer loads which typically maintain sufficient on-site diesel for their own emergency purposes

June, 2006

**Near Term Requirements (2)**

Four major projects proposed:

- Aishihik Third Turbine
- Marsh Lake Fall/Winter Storage License Revision
- Carmacks-Stewart Transmission Project
- Diesel Units Life Extension or Replacement

All projects focused on how to make better use of existing assets.

June, 2006

**Near Term Requirements (3)**

**Aishihik Third Turbine**

- Initially reviewed in 1992 YUB Resource Plan Hearing
- Will provide 7 MW of added peaking capacity and about 5.4 GW.h/yr of long-term average hydro energy supply
- Not "firm" capacity in the planning criteria, but provides economic benefits from offsetting peaking diesel
- Capital cost of about \$7.155 million (2005\$)
- Yukon Energy received environmental Water Board approvals for this project under our new Aishihik Water License
- If this project proceeds, we expect the turbine to go into production between late 2009 and 2012

June, 2006

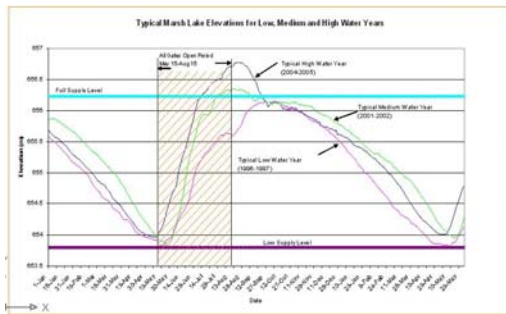
**Near Term Requirements (4)**

**Marsh Lake Fall/Winter Storage License Revision**

- Is an enhancement opportunity
  - increase the firm winter capacity of the Whitehorse Rapids hydro facility by about 1.6 MW
  - increase long term average hydro from this facility by about 7.7 GW.h/yr
  - Capital cost expected to be of no more than \$1 million (2005\$)
- This project would have no effect on summertime water levels during non-drought years
- During flood years there would be no change until after the high water levels have subsided
- During drought years, would alleviate summer drought conditions to ensure the lake reaches its regulated full supply capacity level each year

June, 2006

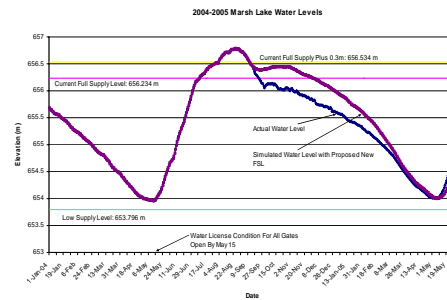
### Near Term Requirements (5)



June, 2006

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### Example of Marsh Lake Higher Fall Storage



June, 2006

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### Near Term Requirements (6)

#### Carmacks-Stewart Transmission Project

- Currently considering connecting the Whitehorse-Aishihik-Faro and Mayo/Dawson power grids.
- This would include a new 138 kV transmission line between Carmacks and Stewart Crossing.
- Process currently underway to select a preferred transmission route, including public consultation.
- Currently expected to be developed in two stages:
  - Stage 1 would be from Carmacks to Pelly Crossing and include a spur line between the Minto mine site and the vicinity of Minto Landing (tentative plan to be in service by end of 2008)
  - Stage 2 would be from Pelly Crossing to Stewart Crossing. This would connect the WAF grid to the MD grid (tentative plan to be in-service by the end of 2009)
- This project is expected to cost around \$31 million (2005\$)

June, 2006

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### Near Term Requirements (7)

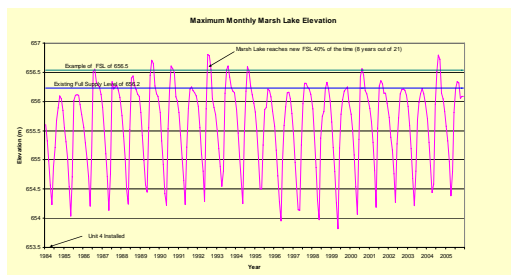
#### Diesel Units Life Extension or Replacement

- 3 of the 7 diesel generators at our Whitehorse Rapids Generating Station are scheduled for retirement between 2007 and 2011
  - We have confirmed that it is technically feasible to refurbish these units, extending their lives by 20 or more years at a capital cost of \$6.4 million (2005\$)
  - This would provide an added 14 MW of winter power on the WAF grid
- Replacing the 3 units would cost about \$6 million more than refurbishing
- Replacing the 3 units with a back-up transmission line from Aishihik to Whitehorse would also be more expensive, about \$14 million more than refurbishment of the diesels

June, 2006

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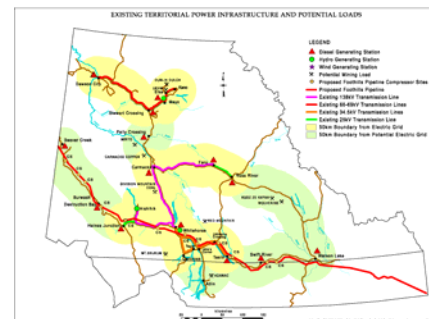
### Marsh Lake Historical Lake Elevations



June, 2006

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### Resource Plan Potential Loads



June, 2006

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