



SITE C BUSINESS INFORMATION SESSIONS SUMMARY REPORT

November 23 to December 1, 2011



Chetwynd



Dawson Creek



Fort St. John



Prince George



Vancouver



BC Hydro would like to thank the following business organizations for hosting the Site C Business Information Sessions:



















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EXECUTIVE SUMMARY

- BC Hydro partnered with leading business organizations to host and promote five Site C Business Information Sessions in the fall of 2011.
- The locations for the Site C Business Information Sessions included:
 - o Chetwynd, November 23, 2011
 - o Dawson Creek, November 24, 2011
 - o Fort St. John, November 24, 2011
 - o Prince George, November 29, 2011
 - o Vancouver, December 1, 2011
- A total of 372 people attended the Site C Business Information Sessions in the five B.C. locations, based on attendee sign-in forms.
- A total of 92 feedback forms were received from attendees of the Site C Business Information Sessions, representing a total response rate of approximately 25%.
- Attendees were asked to rank each presentation topic on a scale of 1 to 5, where 1 was "Not Informative" and 5 was "Very Informative".
 - The majority of respondents ranked each of the presentation topics in the 4-5 range on the 5-point scale.
 - Just over 93% of respondents ranked the Site C Project Update as a 4 or 5, while 91% of respondents gave the same ranking to the Project Components Overview.
 Approximately three-quarters (76%) ranked the Procurement Update as a 4 or 5 on the 5-point scale.
- The feedback forms also found that 95% of respondents said they would be interested in attending a Business Information Session in the future.
- A total of 53 individuals signed up to the Site C Business Directory as a result of the business sessions.
- Key themes that emerged from the sessions included:
 - Local business opportunities
 - Small business participation
 - Timing of early market engagement
 - Initial procurement opportunities
 - o Impact of trade agreements on Site C procurement
 - First Nations opportunities
 - o BC Hydro's energy planning process
 - o Potential regional benefits
- BC Hydro intends to hold additional Business Information Sessions once the procurement planning process is advanced and additional information regarding upcoming procurement is available.



1.0 INTRODUCTION

The following report provides a summary of the Site C Business Information Sessions that were held in five B.C. communities between November 23 and December 1, 2011.

1.1 About Site C

The Site C Clean Energy Project (Site C) is a proposed third dam and hydroelectric generating station on the Peace River in northeast B.C. It is being proposed as part of BC Hydro's overall program to invest in and renew the province's electricity system.

Subject to approvals, Site C would provide up to 1,100 megawatts of capacity, and produce about 5,100 gigawatt hours of electricity each year – enough energy to power the equivalent of 450,000 homes per year in B.C.

Site C is currently in the environmental and regulatory review stage, which includes an independent environmental assessment process by federal and provincial regulatory agencies.

On September 30, 2011, the federal and provincial environmental assessment agencies released a draft agreement for a harmonized environmental assessment of Site C, including a review by a joint panel.

Based on a draft agreement, the environmental assessment process will include several public comment periods, as well as a comprehensive public hearing process that will provide opportunities for the timely and meaningful participation by the public, Aboriginal groups, governments, and other interested groups.

As part of the environmental assessment of Site C, BC Hydro will identify and assess potential project effects and opportunities to provide lasting benefits for the region and First Nations. Where effects cannot be avoided, BC Hydro will identify and evaluate options for mitigation.

The Site C project requires environmental certification and other regulatory permits and approvals before it can proceed to construction. In addition, the Crown has a duty to consult and, where appropriate, accommodate Aboriginal groups.

Site C Consultation and Engagement

BC Hydro has been consulting and engaging on the Site C project since 2007. During Stage 2, which was the consultation and technical review stage, BC Hydro held more than 120 meetings around B.C. as part of its public and stakeholder consultation program. In addition, BC Hydro has been conducting ongoing consultations with Aboriginal groups, property owners and local governments in the region. A detailed overview of BC Hydro's consultations to date is available at www.bchydro.com/sitec.



1.2 Site C Business Information Sessions

The Site C Business Information Sessions were developed to meet the following objectives:

- Update the business community on the current project status.
- Inform and engage the B.C. business community on future Site C business opportunities.
- Gather information regarding market capacity and interest (Site C Business Directory).
- Maintain awareness and interest in the project.

To ensure that the Business Information Sessions reached the maximum audience, BC Hydro partnered with the B.C. Chamber of Commerce and other leading business associations to host and promote the sessions. These business associations included the Business Council of British Columbia, Chetwynd Chamber of Commerce, Dawson Creek & District Chamber of Commerce, Fort St. John & District Chamber of Commerce, Initiatives Prince George, and Northern Development Initiative Trust.

To promote the sessions, each of the partnering business organizations distributed email invitations to their members. In addition, BC Hydro posted the dates on its website and distributed email notices to those organizations that signed up to the Site C Business Directory, and BC Hydro's Aboriginal Business Directory.

The locations for the Business Information Sessions included the following:

Date and Time	Location	Host(s)
November 23, 2011	Chetwynd	Chetwynd Chamber of Commerce
8:30 AM – 10:30 AM	Pomeroy Inn and Suites	
	5200 North Access Road	
November 24, 2011	Dawson Creek	Dawson Creek & District Chamber
8:30 AM – 10:30 AM	Best Western Dawson Creek	of Commerce
	Inn, 500 Highway 2	
November 24, 2011	Fort St. John	Fort St. John & District Chamber of
2:30 PM – 4:30 PM	Quality Inn Northern Grand	Commerce
	Hotel, 9830 100 th Avenue	
November 29, 2011	Prince George	Initiatives Prince George
2:00 PM – 4:00 PM	Ramada Prince George	Northern Development
	444 George Street	Prince George Chamber of
		Commerce
December 1, 2011	Vancouver	B.C. Chamber of Commerce
8:30 AM – 10:30 AM	Hyatt Regency Vancouver	Business Council of British
	655 Burrard Street	Columbia

No specific procurements were discussed at these sessions due to the early stage of procurement planning. The agenda for the sessions included a Site C Project Update, an Overview of Project Components, a Procurement Update, and opportunities for questions and answers.



2.0 KEY RESULTS

2.1 Attendance

A total of 372 people attended the Site C Business Information Sessions, based on attendee sign-in forms.¹ Attendance at each session was as follows:

Location	Attendance
Chetwynd	20
Dawson Creek	45
Fort St. John	98
Prince George	74
Vancouver	135
TOTAL	372

2.2 Feedback Forms

A total of 92 feedback forms were received from attendees of the Site C Business Information Sessions, representing a total response rate of approximately 25%.

Attendees were asked to rank each presentation topic on a scale of 1 to 5, where 1 was "Not Informative" and 5 was "Very Informative". Attendees were also asked about their interest in attending a future session.

As the table below shows, the majority of respondents ranked each of the presentation topics in the 4-5 range on the 5-point scale. Just over 93% of respondents ranked the Site C Project Update as a 4 or 5, while 91% of respondents gave the same ranking to the Project Components Overview. Just over three-quarters (76%) ranked the Procurement Update as a 4 or 5 on the 5-point scale.

Presentation Topic		1	2		;	3	•	4		5
	n	%	n	%	n	%	n	%	n	%
Project Update (n=90)	1	1.1	1	1.1	4	4.4	30	33.3	54	60.0
Project Components (n=87)	1	1.1	1	1.1	6	6.9	36	41.3	43	49.4
Procurement (n=86)	1	1.2	5	5.8	15	17.4	32	37.2	33	38.4

^{*}Percentages may not add up to 100 due to rounding

The feedback forms also found that 95% of respondents said they would be interested in attending a Business Information Session in the future.

¹ Numbers do not capture late attendees and others that did not sign in at registration desk.



BC Hydro also received a total of 53 new registrations to the Site Business Directory from those attending the Business Information Sessions.

2.3 Key Themes of Business Information Sessions

Several key themes emerged from the question and answer sessions at the Business Information Sessions.

- Local business opportunities: Participants in the northern sessions Chetwynd,
 Dawson Creek, Fort St. John and Prince George were very interested in hearing
 about local business opportunities from the Site C project. BC Hydro responded to these
 questions by referencing the project objective for northern economic development. BC
 Hydro also stated it is considering other ways to increase opportunities for local
 suppliers. This may include holding networking sessions where successful contractors
 can meet local suppliers, and also sharing the Site C Business Directory list with all
 successful contractors.
- Small business participation: Participants asked BC Hydro to provide advice on how small businesses are best able to get involved with the Site C project. BC Hydro responded that it is committed to providing business opportunities for companies of all sizes, either as direct contractors to BC Hydro or as part of a larger team participating in a work package. In addition, procurements will be conducted in an open, fair and competitive process. BC Hydro also said that businesses should review materials on the Site C website to familiarize themselves with the project, and they should sign up to the Site C Business Directory. This will provide registrants with email alerts for procurements once they are posted on BC Bid and the directory would also be shared with all successful contractors. This would provide additional opportunities for businesses to become suppliers or sub-contractors to those firms awarded contracts.
- Timing of early market engagement: Some participants asked why BC Hydro was conducting market engagement so early in the process. BC Hydro informed participants that procurement planning for a project of this size and scope takes time, so market engagement needs to start early in the process. The business sessions are intended to ensure that businesses wishing to participate in procurement for Site C have sufficient time to prepare, and so that they have an opportunity to provide feedback to BC Hydro early in the process.

BC Hydro also stated that it is currently developing a procurement plan for the construction of Site C. This means many details about the procurement process are not available at this early stage, although there was a desire at the sessions for more information. Updates are expected as the project moves forward through the regulatory process and procurement opportunities are further defined.



BC Hydro informed participants it expects that procurement activity on this project will be undertaken over several years. The process may start in late 2012 or early 2013. However, this depends on how quickly the project advances through the regulatory process.

- Initial Procurements: Several individuals asked BC Hydro to elaborate on the early procurements that may take place. BC Hydro informed participants that it is looking at options for procuring some of the construction work prior to environmental certification. This may include activities such as cofferdams and diversion tunnels, access roads, construction camps, and clearing. However, while initial procurements are expected to come out prior to the conclusion of the regulatory process, the work would only take place if the project receives environmental certification and other regulatory permits and approvals.
- Impact of Trade agreements: In several of the sessions, questions were asked about the impact of trade agreements — particularly the New West Partnership Trade Agreement — on Site C procurement opportunities. BC Hydro informed participants that, should the project be certified, there will be lots of business opportunities for local companies as part of the Site C project. However, BC Hydro procurement practices embed all legislative requirements, such as trade agreements.
- Regional Benefits: Participants in Chetwynd, Dawson Creek and Fort St. John asked about regional benefits associated with the Site C project, particularly recreation, housing, and preferential electricity rates. BC Hydro responded that there is a commitment from both the Province and BC Hydro to provide regional benefits as part of the Site C project. However, at this early stage of the regulatory process, the potential benefits associated with the project have not been determined. In addition, further discussions are required with local governments and First Nations.
- First Nations Opportunities: BC Hydro informed participants that it is committed to economic development opportunities for First Nations in the region. As a principle, BC Hydro is looking at ways to increase the participation of First Nations in the project. However, this may depend on the specific procurement and what project components are. Generally, increasing the participation of First Nations can be done through procurements that require Aboriginal content or partnership, or through direct awarding to First Nations companies. BC Hydro is also talking to Aboriginal communities about economic opportunities from this project, including skills training.
- Energy Planning: Several questions were asked about BC Hydro's long-term planning
 process, how it intends to meet future demand, and the role that other energy sources
 such as natural gas and clean energy projects can play. BC Hydro responded that
 meeting future demand requires BC Hydro to conserve more, buy more energy from
 IPPs, and build more through reinvestments in existing assets and the proposed Site C
 Clean Energy Project.



3.0 CONCLUSION

The business information sessions were held as part of BC Hydro's early market engagement work for the Site C project. Procurement planning for a project of this size and scope takes time, so BC Hydro wanted to start engaging the business community early in the process.

The business sessions were intended to update the business community on the current status of the project, and to engage businesses about potential business opportunities in the future. BC Hydro also wanted to gather feedback and learn about market capacity and interest in the Site C project.

BC Hydro intends to hold additional Business Information Sessions once the procurement planning process is advanced and additional information regarding upcoming procurement is available.

More information about business opportunities associated with the Site C project — including the Site C Business Directory — can be found online at www.bchydro.com/sitec.



APPENDIX 1: FEEDBACK FORM

BC Hydro is interested in your feedback regarding this Site C Business Information Session. Your input will be used to improve future sessions and will be considered as BC Hydro continues to engage the business community about the Site C Clean Energy Project.

This form will be collected from your table, or you may leave it at the registration desk.

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Components Ov	verview			
2	3	4	5	Very Informative
	-	Components Overview 2 3		



Not Informative	1	2	3		4	5	Very Informative	
Comments:								
What addit	ional inform	ation wou	ld you li	ke to rec	eive at a	a future ses	sion?	
Project	Engineering			Environ	mental /	Assessment	Process	
Constru	uction Compo	nents		Enviror	nmental	Studies		
Procure	ement			Consultation				
Other (p	olease explai	n in comm	ents sect	ion belov	v)			
Would you I	oe interested	d in attend	ling a se	ssion in	the futu	ıre?	Yes □ No □	



APPENDIX 2: POWERPOINT PRESENTATION



BUSINESS INFORMATION SESSION

Fall 2011





AGENDA

- Introduction
- Site C Project Update
- Construction Components Overview
- Procurement Update
- Ongoing Information and Engagement
- Concluding Remarks



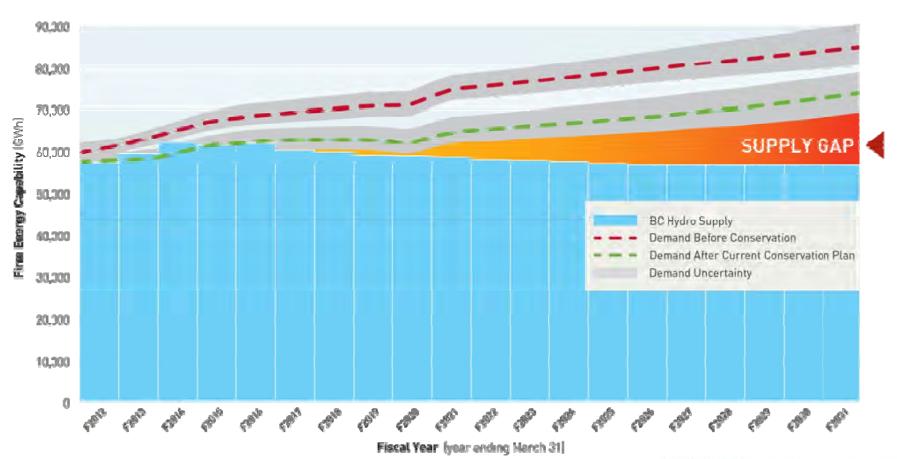


SITE C PROJECT UPDATE





DEMAND TO INCREASE 20-40% IN 20 YEARS





MEETING FUTURE ELECTRICITY DEMAND

Conserve more

Buy more

Build more









ABOUT SITE C

DAM

• Type: Earthfill Dam

• Length: 1,050 metres

• Height: 60 metres

• Capacity: Up to 1,100 MW

• Energy: 5,100 GWh/yr.

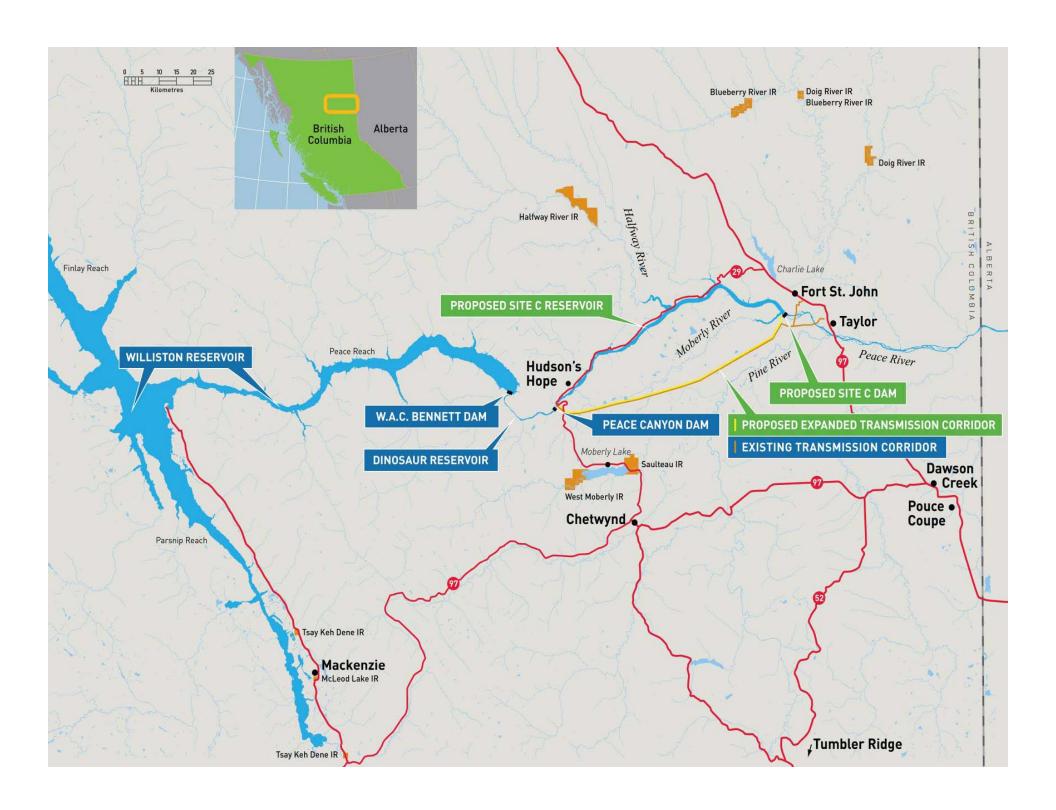
RESERVOIR

• Length: 83 km

• Width: 2-3 times current

river

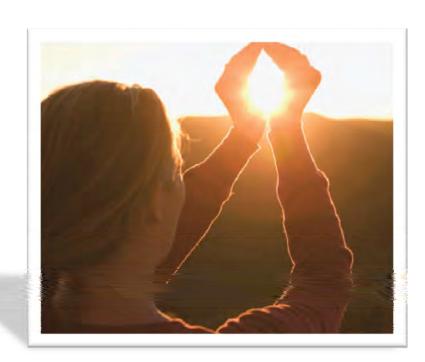






WHY BUILD SITE C

- Energy to power equivalent of 450,000 homes
- Cost-effective option for ratepayers
- Clean, reliable power for 100 years
- Firm energy will support renewables
- Low GHGs
- Fosters economic development
- Publicly owned





JOB CREATION

- Estimated 7,000 person-years of construction employment during seven-year construction period
- Estimated 35,000 direct and indirect jobs through development and construction stages
- Employment includes, but is not limited to, the following:

Biologists	Environmental techs	Machinists
• Botanists	First aid workers	Operating engineers
 Carpenters 	• Foresters	 Painters
Cement masons	• Ironworkers	Pipefitters
Culinary workers	• Labourers	 Surveyors
Electrical workers	Lab technicians	• Welders



MULTI-STAGE EVALUATION PROCESS



Provincial government decision on whether to proceed to next stage





PROPOSED REGULATORY PROCESS

Environmental Assessment Timeline

Pre-Panel Review 24 months

- Canada-BC Agreement
- Advisory Working Group
- Environmental Impact Statement (EIS) Guidelines
- EIS (Application)
- Working Group review of EIS Guidelines and EIS
- Public comment periods

Joint Review Panel & Report 8 months

- Panel's sufficiency review of EIS
- Submissions (including from Aboriginal groups)
- Public Hearings
- Panel Report

Review of Panel Report and Decision

5 months

- Draft Referral Package Preparation (EAO)
- Steering Committee Review (EAO, CEAA, RAs)
- Decision by Ministers / Cabinet

Post Decision variable

- Provincial permits
- Federal authorizations (Fisheries, Navigable Waters)

Aboriginal consultation and accommodation discussions





2011 FIELD WORK

Environment:

- Reservoir Preparation and Clearing
- Heritage Study
- Agricultural Assessment
- Fish and Aquatic
- Wildlife Studies
- Socio-economic

Engineering:

- Dam Site Investigations
- Shoreline Geotechnical investigations
- Highway 29 re-alignment











CONSTRUCTION COMPONENTS



SITE C PROJECT COMPONENTS

- Dam, Generating Station and Reservoir
- Construction Access
- River Diversion Activities
- Reservoir Clearing and Preparation
- Highway 29
- Transmission
- Worker Accommodation





DAM, GENERATING STATION AND RESERVOIR Reservoir







DAM, GENERATING STATION AND RESERVOIR Generating Station



DAM, GENERATING STATION AND RESERVOIR Overflow Auxiliary Spillway **Spillway**



DAM, GENERATING STATION AND RESERVOIR **RCC Foundation for Concrete Structures Above**



DAM, GENERATING STATION AND RESERVOIR Approach Channel



DAM, GENERATING STATION AND RESERVOIR **Transmission** Lines



DAM, GENERATING STATION AND RESERVOIR **Diversion Tunnel Inlet Diversion Tunnel Outlet**



CONSTRUCTION HIGHLIGHTS

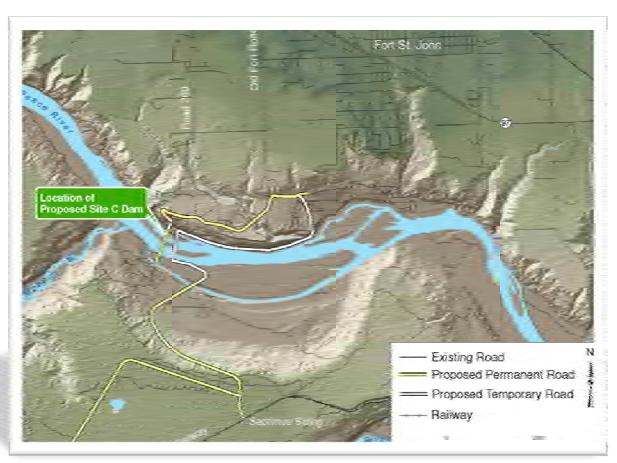
By the Numbers

- Construction will take approximately 7 years (first unit in service)
- Approx. 1 year to complete commissioning of remaining units, site reclamation and demobilization
- Approx. 38 million m³ of material excavated at the dam site
- Approx. 14 million m³ of material placed in the earthfill dam (excluding cofferdams)
- Approx. 2.4 million m³ of RCC placed
- Approx. 830,000 m³ of concrete poured
- Reservoir filling could take as little as 6-8 weeks (depending on plan)



CONSTRUCTION ACCESS

- Upgrades to existing roads
- Construction of both permanent and temporary access roads
- Temporary access bridge

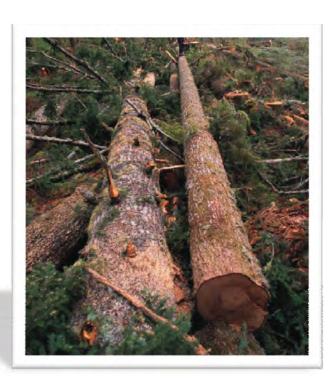






RESERVOIR PREPARATION

- Clearing and removal of timber and vegetation
- Berm at Hudson's Hope
- Habitat mitigation projects
- Recreation site development







HIGHWAY 29

- Re-alignment of four segments of Highway 29
 - Cache Creek
 - Halfway River
 - Farrell Creek
 - Lynx Creek
- Total length of approximately 25 km
- Includes four new river crossings
- Other work may be required

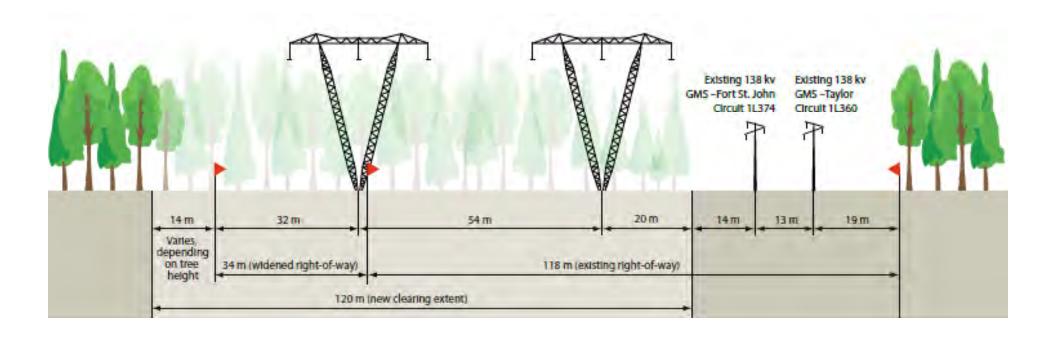






TRANSMISSION

- Two new 500-kilovolt AC transmission lines
- Lines proposed to be located along existing right-of-way, currently occupied by two 138-kilovolt lines
- Right-of-way requires widening by approximately 34 metres





WORKER ACCOMMODATION

- Approximately 7,000 personyears of work for construction
- Labour force peak is approximately 1,700 in year five
- Two construction camps at dam site
- Remaining workers from local area and/or housed off site
- Additional camps may be required





QUESTIONS



SITE C PROCUREMENT PLANNING UPDATE



PROCUREMENT OBJECTIVES

- Support project objectives, such as:
 - Provide economic benefits for northern communities
 - Ensure a long-term source of energy and capacity
 - Deliver cost-effective energy
- Achieve value for money for ratepayer
- Meet project schedule
- Meet project budget
- Optimally manage project risks



STATUS UPDATE

- Procurement for services to support Stage 3 work on the environmental assessment is ongoing
- BC Hydro currently developing a procurement plan for the construction of Site C
 - Contract packaging
 - Delivery options
- Opportunities for small, medium and large businesses



EARLY PROCUREMENT PACKAGES

- Early procurement packages may be issued prior to the conclusion of the regulatory process
 - Work will be subject to the project receiving environmental certification
- Early works may include activities such as:
 - Cofferdams and diversion tunnels
 - Access Roads
 - Construction camps
 - Clearing
- Timing is tied to the regulatory process





SCOPE OF SERVICES REQUIRED

- Construction components include, but are not limited to, the following:
 - Construction of access roads and temporary access bridge
 - Excavation work
 - Transport of materials
 - Construction and operation of worker accommodations
 - Clearing of reservoir
 - Hudson's Hope Berm
 - Construction of cofferdams and diversion tunnels
 - Construction of dam, generating station and associated structures
 - Transmission
 - Highway 29 re-alignment







PROCUREMENT PROCESS

- BC Hydro intends to conduct an open, fair and competitive process to procure the construction of Site C
- BC Bid is used for all public procurement processes
 - Website is: www.bcbid.gov.bc.ca

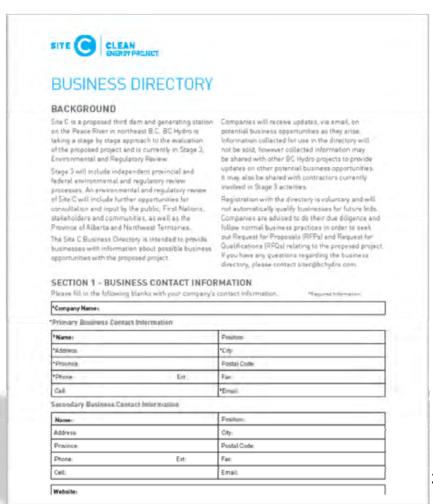
Early market engagement	Request for supplier qualifications	Development of bid documents	Request for Proposals or Tender	Evaluation of Bids	Award of contract





BUSINESS OPPORTUNITIES WITH SITE C

- Site C Business Directory
- Available for sign up at: www.bchydro.com/sitec
- Business opportunities also listed on project website
- Value for both future contractors and potential sub-contractors





ABORIGINAL CONTRACT & PROCUREMENT POLICY

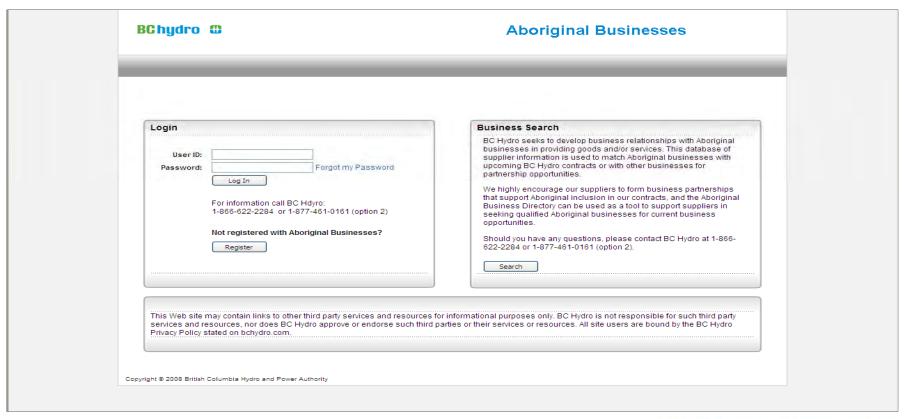
- Provides flexible procurement options to advance business opportunities for Aboriginal businesses
- Aboriginal Business Definition & Eligibility
- Aboriginal Content Evaluation Criteria
- Other Procurement Options





ABORIGINAL BUSINESS DIRECTORY

https://www.bcaboriginalvendors.ca/aboriginal_vendors/







QUESTIONS



ONGOING INFORMATION & ENGAGEMENT

- Future Business Information Sessions
- Project Updates email and website (Business and Job Opportunities)
- Ongoing consultations with Aboriginal groups, property owners, local governments, and stakeholders.
- Community Consultation Offices
- Public inquiries

- Tel: 1-877-217-0777

Email: sitec@bchydro.com



