

REGIONAL AND LOCAL GOVERNMENT LIAISON COMMITTEE

July 25, 2012

Project Update

AGENDA

- Site C Project Update
- Summary of Spring Public Consultation
- Fall Public Consultation Topics
- Next Steps

CEAA / BCEAO REGULATORY PROCESS



EA PROCESS TO DATE

Sept 2011	Harmonized, cooperative process announced
Oct 5, 2011	Initial Advisory Working Group meeting (project overview)
Oct – Nov 2011	Agencies led Public Comment Period on draft agreement
Feb 13, 2012	Federal-provincial agreement finalized
Mar 1, 2012	Advisory Working Group regarding draft Environmental Impact Statement Guidelines
Apr 17 - Jun 1, 2012	Public comment period on the draft Environmental Impact Statement Guidelines
Jun 26, 2012	BC Hydro submitted responses to public comments on the draft Environmental Impact Statement Guidelines to BCEAO and CEA Agency

NEXT TWO YEARS

Summer 2012	Agencies to finalize Environmental Impact Statement Guidelines
Early 2013	BC Hydro to submit Environmental Impact Statement to regulatory agencies
Early 2013	Public Comment Period / Advisory Working Group to review Environmental Impact Statement
TBD 2013	Joint Review Panel to be appointed
TBD 2013/14	Panel review / public hearings on project
TBD 2014	Panel recommendation

2012 FIELD SEASON

Approximately 20 programs underway in the project area, including:

Environment

- Heritage
- Agricultural Assessment
- Fish and Aquatic
- Wildlife and Vegetation
- Socio-economic
- Physical Environment
- Forestry Surveys

Engineering

- Dam Site Investigations
- Geotechnical Investigations
- Construction Access Roads
- Construction Materials Testing

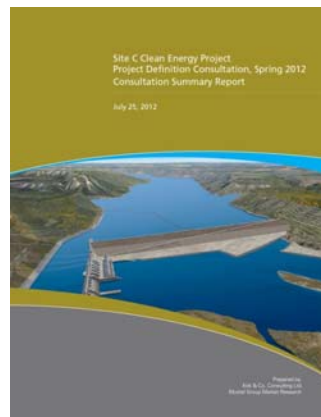


In addition, advancing procurement planning and project design

PUBLIC AND STAKEHOLDER CONSULTATION 2012

HOW INPUT FROM CONSULTATION IS CONSIDERED

- Input from consultation helps to inform project design and options to mitigate potential effects
- All input from consultation is summarized in *Consultation Summary Reports* which are posted on: www.bchydro.com/sitec
- *Consideration Memos* document how consultation input was considered in project planning and design, and posted on website



BC HYDRO-LED CONSULTATION: SPRING 2012

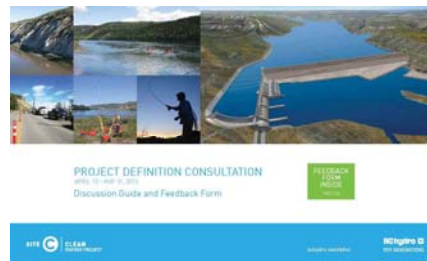
Highlights	Locations	Topics
<ul style="list-style-type: none"> • 18 stakeholder meetings • 5 open houses • 7 local government meetings 	<ul style="list-style-type: none"> • Prince George • Mackenzie • Fort St. John • Taylor • Hudson's Hope • Dawson Creek • Chetwynd • Tumbler Ridge 	<ul style="list-style-type: none"> • Outdoor Recreation • Highway 29 Preferred Alignment Options • 85th Ave Industrial Lands <p>Updates on:</p> <ul style="list-style-type: none"> • Transmission • Worker Accommodations • Preliminary Impact Lines



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PARTICIPATION

- **926 participant interactions**
 - 580 people attended meetings
 - 302 people attended 18 stakeholder meetings
 - 278 people attended 5 open houses
 - 72 property owner meetings
 - 85 feedback forms
 - 39 written submissions
 - 150 visitors to the Community Consultation Offices



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SUMMARY: WHAT WE HEARD

- **Outdoor Recreation:** Participants were interested in opportunities for recreation on the reservoir, including boat launches, access to sites from the south bank, and plans for clearing. Some expressed skepticism about BC Hydro's ability to provide recreation sites, noting past experiences with Williston and Dinosaur. Participants were interested in when the Site C reservoir would be available for recreation.
- **Community Benefits:** In some meetings, benefits were expressed as a legacy, and in others it was seen as an offset to impacts on local community and social services.
- **Impact Lines and Land Use:** Participants asked questions about the impact line approach, including concerns about estimating the likelihood and severity of landslides in the region.
- **Reservoir and Water Flows:** Participants asked about the elevation of the reservoir at various locations. Some were concerned about siltation from sloughing and erosion, and asked when the reservoir would be accessible.

SUMMARY: WHAT WE HEARD

- **Energy Planning and Alternatives to Site C:** There was interest in BC Hydro's Integrated Resource Plan and whether Site C would be used to power LNG plants or used for export. In addition, interest was expressed on BC Hydro's analysis of alternatives to Site C and when it would be available.
- **Worker Accommodation:** Questions included potential impacts of workers on local services, while others asked about specific locations of potential camps.
- **Opportunities for Local Workers and Business:** Participants asked about job and business opportunities from the project, particularly about opportunities for workers and businesses in the region.
- **Affected Residents and Compensation:** Participants asked how many residents would be affected by the reservoir and impact line approach, and how they would be compensated for impacts to their land and homes.
- **Expression of Opposition:** Some participants expressed their opposition to the Site C project, noting impacts to the environment, agricultural production and First Nations communities.

EXAMPLES: HOW INPUT HAS BEEN CONSIDERED

- **Recreation:** BC Hydro received requests to consider alternate boat launch locations and facilities (specifically closer to Fort St. John, and larger boat launch access/parking in Hudson's Hope).
 - **Action:** BC Hydro conducted additional analysis of siting, safety and access considered for boat launch options for consideration within the Outdoor Recreation Plan.
- **Job and Business Opportunities:** BC Hydro heard interest in hiring local business to work on the project.
 - **Action:** BC Hydro is planning for additional series of business information sessions in fall 2012 and is developing its procurement approach.

EXAMPLES: HOW INPUT HAS BEEN CONSIDERED

- **Worker Accommodation:** BC Hydro received a request for an update to the historical camp format, size and locations with current project planning rationale.
 - **Action:** BC Hydro hired Kohn Crippen Berger to update a study of various worker accommodation scenarios that consider:
 - Safety for workers and public
 - Labour requirements by worksite
 - Transportation
 - Servicing and infrastructure costs
 - Community benefits
 - Worker attraction and well-being
 - Recommendations from the study will be incorporated into Worker Accommodation Plan to be reviewed by Local Government prior to Fall consultation

PLANNING FOR FALL 2012 CONSULTATION

PUBLIC CONSULTATION TOPICS

September 10 – October 19, 2012

Topics	Locations
<ul style="list-style-type: none"> • Clearing 	Consultation meetings planned for: <ul style="list-style-type: none"> • Fort St. John • Hudson's Hope • Taylor • Mackenzie • Prince George • Dawson Creek • Chetwynd • Tumbler Ridge
<ul style="list-style-type: none"> • Agriculture 	
<ul style="list-style-type: none"> • Worker Accommodation 	
<ul style="list-style-type: none"> • Transportation During Construction 	

PRELIMINARY SCHEDULE – FOR INPUT

SEPTEMBER 2012: CONSULTATION MEETING SCHEDULE – DRAFT

10	11	12	13	14
PRRD <ul style="list-style-type: none"> 1-3pm Local Government 	Fort St. John <ul style="list-style-type: none"> 9-11am Local Govt. 1-3pm Stakeholder 6-9pm Open House 	Hudson's Hope <ul style="list-style-type: none"> 1-3pm Local Govt. 4-8pm Combined Stakeholder and Open House 	Dawson Creek <ul style="list-style-type: none"> 10am-12pm Local Govt. 1-3pm Stakeholder 6-9pm Open House 	Taylor <ul style="list-style-type: none"> 10am-12pm Local Govt. 1-3pm Stakeholder
17	18	19	20	21
Tumbler Ridge <ul style="list-style-type: none"> 2-4pm Combined Local Govt. and Stakeholder meeting 	Chetwynd <ul style="list-style-type: none"> 9-11am Local Govt. 4-8pm Combined Stakeholder and Open House 	Mackenzie <ul style="list-style-type: none"> 1-3pm Combined Local Govt. and Stakeholder meeting 	Prince George <ul style="list-style-type: none"> 9-11am Combined Local Govt. and Stakeholder meeting 	<ul style="list-style-type: none"> No meetings

Local government meetings are shown in red

NEXT STEPS WITH LOCAL GOVERNMENT

- Prior to fall consultation, BC Hydro will:
 - Share preliminary results of socio-economic assessment with local government staff
 - Review the fall consultation discussion guide with local government staff
- Workshops and meetings – community by community – to present a project overview and get additional input
- BC Hydro interested in discussing opportunities for project benefits with communities
- September 10-21: Local government meetings as part of Project Definition Consultation, Fall 2012

FALL 2012 TOPICS

CLEARING PLAN

- BC Hydro is developing a Clearing Plan to be submitted as part of Environment Impact Statement
- Plan will include:
 - Clearing Project Construction areas
 - Clearing the Reservoir
 - Preliminary clearing schedule
 - Vegetation inventory and volume
 - Debris Management Plans
 - Clearing access roads

CLEARING APPROACH

- Approach to clearing includes:
 - Remove trees
 - Select retention on steep slopes, and where environmentally beneficial
 - Clear for a boating / navigation zone
 - Pre-clear areas of predicted erosion to reduce floating debris
 - Wood waste management: minimize, encourage utilization, disposal plan
- Market survey indicates:
 - Sufficient regional capacity to harvest and utilize merchantable timber
 - Market of non-merchantable (biofuels) is underdeveloped in the region

AGRICULTURE

- Agricultural assessment will identify effects on agriculture and develop mitigation options
- Information includes:
 - Summary of historical agricultural studies
 - Overview of the current agricultural assessment, including farmer interviews, soil sampling
 - An update regarding key results from agricultural baseline studies for the proposed Site C reservoir area
 - Agricultural mitigation options
- Consultation will seek feedback regarding mitigation options

AGRICULTURE – CURRENT STUDY

- Agricultural study includes:
 - Amount and capability of agricultural land affected by the project
 - Assessment of potential effects of the project on agricultural crop and livestock production
 - Changes to current agricultural land use, including private land and Crown land grazing or range tenures, and consideration of any constraints to agricultural use
 - Effects on current and expected future individual farm operations, including loss of land, effects on farm infrastructure, and changes to farm activities
 - Projected effects on local, regional and provincial agricultural economies
 - Potential effects of the project on local, regional and provincial food self-reliance

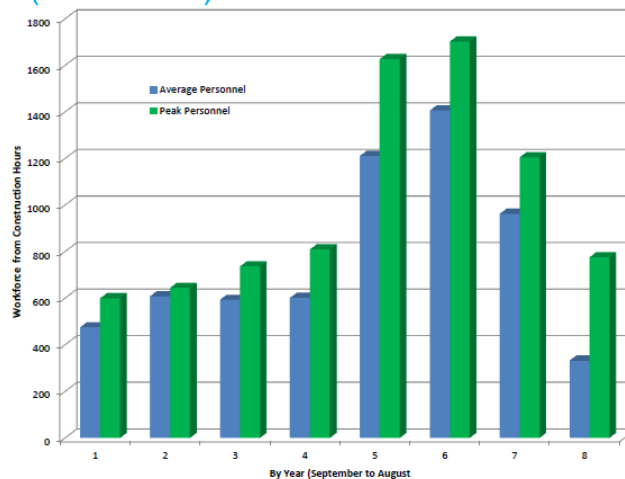
AGRICULTURE – PROPOSED MITIGATION

- Construction Best Management Practices
 - Dust, noxious weed, erosion and sediment control
- Direct On-Farm Mitigation
 - Management of on-farm impacts, such as changes to access routes, infrastructure or fencing and direct compensation for losses
- Agricultural compensation program
 - A proposed compensation fund to support in-valley and regional agricultural projects, such as irrigation
 - Infrastructure to support grain or vegetable production/storage
- Mitigation to be informed by public, stakeholder and agency consultation

WORKER ACCOMMODATION

- BC Hydro is developing a Worker Accommodation Plan to be submitted as part of Environmental Impact Statement
- Worker Accommodation plan will be informed by consultation with communities and agencies
- The plan will consider:
 - Project workforce and work-site requirements
 - Socio-Economic Assessments:
 - Housing baseline, effects
 - Labour Market baseline, effects

CONSTRUCTION PHASE WORKFORCE (DAM SITE)



Approximate 7-year construction period to bring the first units into service. Year 8 activities include commissioning, site reclamation and demobilization.

WORKER ACCOMMODATION PLAN

Worker Accommodation Plan will include a mix of housing options:

- In-community accommodation
- Temporary accommodation – core (dam site) on north and south banks
- Temporary accommodation – non-core sites (regional)
- Regional Housing Coordination Program (pre-booking/support services)
- Potential RV park development to avoid impacts on regional recreation
- Monitoring program of project needs, local labour and housing market during construction and plan adaptation
- Support to workers, families moving to the region
- Plan will inform need for services (health, education, community services)

TEMPORARY ACCOMMODATION: ANALYSIS UNDERWAY

- Objective: Plan to provide on-site worker accommodation with consideration of project requirements, worker interests and community interests
- Key considerations for the size and location of camps:
 - Location of work-sites
 - Safety for workers and public
 - Transportation to work-sites and for leisure time
 - Construction productivity, cost and schedule
 - Costs of self-sufficient camp (food and lodging, recreation, health and safety, security, fire, water, sewer, transportation, utilities)
 - Access to the community for economic benefits, managing for unwanted effects
 - Workforce attraction and well-being (health, recreation, leisure facilities)

CONSULTATION AND NEXT STEPS

- Meetings with local governments and agencies on Housing and Labour Market assessments
- Completion of worker accommodation options and plan
- Consultation will seek input about various aspects of worker accommodation including priorities for in-community housing and transportation of workers

TRANSPORTATION DURING CONSTRUCTION

- BC Hydro has studied the impact of Site C construction on transportation in the region
- Reviewed current levels of traffic volume and forecasted how much additional traffic there would be, both without Site C and with Site C
- Site C activities that would cause traffic include:
 - Worker accommodation and transportation
 - Dam construction materials movement
 - Materials and equipment movement
 - Clearing
 - Transmission Line Construction
 - Highway 29 Realignment Construction
 - Hudson's Hope Berm Construction

TRANSPORTATION DURING CONSTRUCTION

- Information regarding activities causing traffic, proposed routes, and mitigation will be presented by area:
 - Hudson's Hope
 - Highway 29 Corridor
 - Highway 97 North (Fort St. John, Taylor, Dawson Creek)
 - Highway 97 South (Chetwynd)
 - Fort St. John to Dam Site (Old Fort Road, 240 Road, 269 Road)
 - Jackfish Lake Road
- Maps will show estimates for traffic volumes and will identify areas requiring mitigation
- BC Hydro will present and seek feedback regarding mitigation measures for transportation-related impacts

LOOKING AHEAD

LOCAL GOVERNMENT TECHNICAL ENGAGEMENT

- August 2012 – BC Hydro to seek meetings to present preliminary Socio-Economic Assessment Information (baseline, effects, mitigation)
- Socio-Economic:
 - Labour Market
 - Local Government Revenue
 - Regional Economic Development
 - Population and Demographics
 - Housing
 - Community Infrastructure and Services
 - Transportation

AGENCY TECHNICAL ENGAGEMENT

- August 2012 – BC Hydro to seek meetings to present relevant preliminary Socio-Economic Assessment Information (baseline, effects, mitigation) to local agencies and service organizations:
 - RCMP
 - School District 59 and 60
 - BC Ambulance
 - Northern Health
 - Salvation Army
 - Others

UPCOMING BUSINESS INFORMATION SESSIONS

- Business Information Sessions will provide update on the procurement approach for Site C
- BC Hydro plans to partner with local business associations to host the sessions
- Timing is November 2012 (*dates TBD*)
- Locations may include:
 - Chetwynd
 - Dawson Creek
 - Fort St. John
 - Hudson's Hope (*TBD*)
 - Prince George
 - Vancouver
- Reminder: Business Directory (www.bchydro.com/sitec)

ROUNDTABLE