Downstream Infrastructure Adaptive Management Plan

Site C Clean Energy Project
Revision 4
September 1, 2023

Table of Contents

Revision History

Version	Date	Comments
Rev 0	February 15, 2023	Partial Draft Plan – internal review
Rev 1	March 6, 2023	Revised Plan – Review by Ministry of Alberta Environment and Protected Areas
Rev 2	May 12, 2023	Revised Plan – Submitted to Impact Assessment Agency of Canada; Environmental Assessment Office, Alberta Ministry of Environment and Protected Areas, and posted on Site C website
Rev 3	June 12, 2023	Revised Plan – Updated to reflect comments from Alberta Ministry of Environment and Protected Areas and the Mighty Peace Watershed Planning and Advisory Council
Rev 4	September 1, 2023	Revised Plan – Updated to reflect comments from the BC Environmental Assessment Office and additional feedback from Ministry of Alberta Environment and Protected Areas

Table of Acronyms

AMP	Adaptive Management Plan
BCH	BC Hydro
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office Environmental
EIS	Impact Statement
Alberta EPA	Alberta Ministry of Environment & Protected Areas
FDS	Federal Decision Statement
IAAC	Impact Assessment Agency of Canada
FLNRO	BC Ministry of Forest, Lands and Natural Resource Operations
MOE	Ministry of Environment
TDG	Total Dissolved Gas
TPR	Town of Peace River

1.0 Introduction

The Site C Clean Energy Project (the Project) will be the third dam and generating station on the Peace River in northeast BC. The Project will provide 1,100 megawatts of capacity and about 5,100 gigawatt hours of energy each year to the province's integrated electricity system.

In October 2014, the Provincial Ministers of Environment (MOE)[1] and Forests, Lands and Natural Resource Operations (FLNRO)[2] issued the Environmental Assessment Certificate (EAC) for the Project. In November 2014, the Federal Minister of the Environment issued a Federal Decision Statement (FDS) for the Project. Both the EAC and FDS set out conditions under which the Project can be constructed and operated. EAC Schedule B, Conditions 1 states:

> *The Holder must work with the Government of Alberta to jointly develop an Adaptive Management Plan to manage potential risks to infrastructure downstream of the Site C dam to the Town of Peace River, Alberta caused by low water flows during reservoir filling and operation of the Project. For the purposes of the Plan infrastructure must include water intakes, ferry crossings and any other activities identified by the Proponent and the Government of Alberta.*

The purpose of the Adaptive Management Plan (AMP) is to fulfil Condition 1 of the EAC Schedule B and Condition 5 of the FDS. The geographic scope of the AMP extends from the Site C dam to the Town of Peace River. In accordance with EAC Schedule B Condition 1 and FDS Condition 5, BC Hydro has jointly developed the AMP with the Alberta Ministry of Environment and Protected Areas (Alberta EPA) and identified potential impacts of reservoir filling and operations to the Town of Fairview intake, Shaftesbury Ferry, and the Town of Peace River intake (Figure 1). The Plan acknowledges uncertainty in the river conditions during the reservoir filling process and operations. Monitoring is therefore proposed along with measures that adapt to the Project effects on downstream infrastructure.

As required by the EAC and FDS, BC Hydro will file the AMP with the Environmental Assessment Office (EAO) and Impact Assessment Agency of Canada (IAAC) a minimum of 30 days prior to reservoir filling. A report on the AMP implementation will be submitted annually to EAO and IAAC until the end of year five of operations.

2.0 Government of Alberta Consultation

The potential effects of the Site C Project on downstream infrastructure were discussed with Alberta EPA staff prior to the commencement of Peace River diversion in 2020, as this activity required the management of low flows in the Peace River. The low flow period experienced during the start of diversion allowed the BC Hydro and Alberta EPA teams to ensure communication and outreach efforts were effective, look for unforeseen infrastructure outages and confirm water level thresholds for Alberta portions of the Peace River.

These discussions continued in 2022 in preparation for reservoir filling, with BC Hydro and Alberta EPA meeting to discuss low flow periods on the Peace River during reservoir filling and potential impacts to infrastructure. Alberta EPA provided input into the

[1] Now Ministry of Environment and Climate Change Strategy (MECCS)
[2] Now Ministry of Forests and Ministry of Water and Land Resource Stewardship (MOF; MWLRS)

development of the Adaptive Management Plan during meetings on July 29, 2022, September 22, 2022, November 1, 2022, and December 7, 2022.

Building upon information collected during the Project's environmental assessment[3] and prior to river diversion, in 2022 Alberta EPA staff provided additional input from major water licence holders regarding sensitivities to historic low flow levels in the fall period.[4] On December 14, 2022, representatives from Alberta EPA also attended a meeting with government representatives for the Town of Fairview. Alberta EPA staff also attended BC Hydro's presentation for the Mighty Peace Watershed Planning and Advisory Council (WPAC) on March 7, 2023. In early 2023, BC Hydro, met with representatives from the Town of Fairview to discuss water systems, risks associated with river conditions and potential mitigation options.

Once developed, BC Hydro shared the draft AMP with Alberta EPA on March 6, 2023 and received comments on March 20, 2023. BC Hydro updated the plan and shared Revision 2 of the AMP with Alberta EPA on May 12, 2023. Alberta EPA provided further comments on the plan on May 31, 2023. BC Hydro has considered and updated Revision 3 of the AMP in response to Alberta EPA's May 31, 2023 comments.

3.0 Reservoir Filling

3.1 Water Management

Reservoir filling is scheduled to commence in the fall of 2023 to minimize the risk of excessive Site C local tributary inflows, to accommodate environmental and construction constraints, and to avoid later winter periods when downstream flows are needed for ice control. Prior to reservoir filling, one of the two diversion tunnels (Diversion Tunnel 2) will be modified through the installation of orifices that will restrict the tunnel's hydraulic capacity to allow for a controlled and staged filling of the reservoir. Once the orifices have been installed, reservoir filling will take place in three stages. A minimum flow of 390 m^3/s will be maintained during reservoir filling as required by the Project's Conditional Water Licences, Environmental Assessment Certificate, and Decision Statement.

Stage 1: After Diversion Tunnel 2 is reopened with the orifice rings installed, Diversion Tunnel 1 will be closed to initiate reservoir filling. This must occur at a minimum headpond level of 425 m to ensure the head pressure is sufficient to guarantee the licensed minimum flow release through tunnel 2 of 390 m^3/s, with discharges increasing steadily over 1-2 weeks until the reservoir reaches ~440 m elevation. The Site C dam low-level outlets (LLOGs) will be operational once the reservoir reaches 440 m elevation.

Stage 2: After Stage 1 reservoir filling, Diversion Tunnel 2 will be closed and flows transferred to the spillways for the period when reservoir elevation increases between 440 – 454 m. After the reservoir level reaches ~454 m, the main spillway operating gates (SPOGs) will be able to pass flows.

Stage 3: After a 4-week hold point at a ~454 m reservoir elevation, Stage 3 of reservoir filling will begin and continues until the reservoir level reaches 461.8 m (max normal operating level).

[3] Email from E. Kerkhoven (Alberta Environment & Protected Areas) to A. Pryse-Philips (BCH), 21-Nov-2013.

[4] Pers. Comm., O. Obiajulu (Alberta Environment & Protected Areas) to M. McArthur (BCH), 7-Dec-2022.

The reservoir filling rates are governed by the rate of inflows as well as the maximum rate of filling, as determined by engineering aspects of safely commissioning the Project. These three phases are estimated to require at least 3 months (possibly longer) to bring the water levels up by a total of ~50 m higher than the average Peace River levels, while maintaining outflows of at least 390 m^3/s. Commissioning of the six (6) turbine/generator units will take place after Stage 3 reservoir filling.

The outflows from the Project are governed by minimum and maximum levels under the Project's Conditional Water Licences[5] (390 m^3/s – 2,700 m^3/s), ice control flow needs during the winter period, and maximum levels of total dissolved gas (TDG) for protection of fish. Spillway releases that exceed outflow thresholds have the potential to create dissolved gas levels that could lead to adverse effects to downstream fish assemblages. BC Hydro has therefore planned each stage of the fill period to include the management of TDG levels.

Based on subject matter expert input during the design phase, the Project team estimates the maximum outflow from the spillway (LLOGs & SPOGs) will be 1,200 m^3/s.[6] These outflow levels are expected to maintain downstream TDG levels that will not exceed 120% saturation. A comprehensive TDG monitoring program will be implemented during reservoir filling to confirm predictions around the spillway operations and resulting TDG levels in the downstream habitat.

Table 1 shows expected Peace River outflows in consideration of the constraints described above. These outflows are shown for planning purposes and represent the most likely scenario at the time this report was prepared and are subject to change.

Table 1. Description of estimated Site C outflow levels during reservoir filling

Description of Flow Conveyance	**Outflow from Site C**
Flow level in days before filling Phase 1	1,000 m^3/s before Sep 2023
Filling Phase 1 (Tunnel 1 + Tunnel 2 converted)	Flow increase from 1,000 m^3/s to 2,000 m^3/s over Sep 22-27
	Flow decrease from 2,000 m^3/s to 390 m^3/s from Sep 27-29
Tunnel 2 only	Flow increase from 390 m^3/s to 600 m^3/s from Sep 29-Oct 6
Spillway via Low Level Outlets; Tunnels closed	Hold at 600 m^3/s from Oct 6-31
Spillway via Low Level Outlets & Radial Gates	Flow increase from 600 m^3/s to 1,200 m^3/s from Oct 31-Nov 3
	Hold at 1,200 m^3/s after Nov 3

The information in Table 1 is required to model the likely range of water levels in downstream portions of the Peace River. Table 2 (following page) shows the estimated downstream flows during reservoir filling based on based on historical tributary inflow records, shown in Figure 2 below.

[5] See: water-licence-for-diversion-and-storage_1.pdf (sitecproject.com)
[6] Site C Clean Energy Project, Implementation Design Technical Memorandum, Stage 2 Diversion and Reservoir Filling Requirement (Revision 1), November 2022. Prepared by Klohn Crippen Berger and SNC-Lavalin. Prepared for BC Hydro.

Table 2. Peace River minimum and average daily flow level at key Alberta infrastructure locations, for Site C reservoir filling low flow period (STC releases: Sep 29 - Oct 31). Inflow data is based on 2009 - 2019 records (see Figure 1).

Infrastructure	Infrastructure River Flow Threshold (m^3/s)	Driest Inflow Year (2009 - 2019)			Median Inflow Year (2009 - 2019)			Highest Inflow Year (2009 - 2019)		
		Avg Daily Dis-charge (m^3/s); dates of flows	Avg Daily Water Level (m)	Number of Days with Avg Flows Below Threshold*	Avg Daily Dis-charge (m^3/s); dates of flows	Avg Daily Water Level (m)	Number of Days with Avg Flows Below Threshold**	Avg Daily Dis-charge (m^3/s); dates of flows	Avg Daily Water Level (m)	Number of Days with Avg Flows Below Threshold***
Fairview Intake	600	676 (Sep 30 - Nov 3)	338.7	5	682 (Sep 30 - Nov 3)	338.7	5	847 (Sep 30 - Nov 3)	339.1	0
Shaftesbury Ferry Crossing	900 +/- 100 = reduced ops; 600 = shut down	678 (Oct 1 - Nov 4)	317.8	33 (900 m^3/s); 4 (600 m^3/s)	682 (Oct 1 - Nov 4)	317.8	34 (900 m^3/s); 4 (600 m^3/s)	846 (Oct 1 - Nov 4)	318.1	29 (900 m^3/s); 0 (600 m^3/s)
Town of Peace River Intake	Somewhere below 520*	809 (Oct 1 - Nov 4)	311.0	0	864 (Oct 1 - Nov 4)	311.0	0	1201 (Oct 1 - Nov 4)	311.4	0

Notes:
*Based on historical information indicating that flows have reached this level since regulation without an outage. However, BC Hydro seeks confirmation from the Government of Alberta regarding this threshold.
**Based on average daily flow estimate
***based on assumption of 50 cms from Smokey River
Avg = Average

3.2 Downstream Infrastructure - Risks, Mitigation and Monitoring

Volume 2, Section 11 (Environmental Background) of BC Hydro's Environmental Impact Statement (EIS) for the Project considers changes to the surface water regime. This information has been used to estimate potential impacts to downstream infrastructure during reservoir filling. As described in Section 2.0 Government of Alberta Consultation, the key infrastructure locations identified in river portions downstream to the Town of Peace River are the Town of Fairview intake, Shaftesbury Ferry, and the Town of Peace River intake. Each of these locations are discussed below. BC Hydro will keep Alberta EPA updated on the status of potential issues related to the infrastructure discussed below.

Town of Fairview Intake

The Town of Fairview intake uses a booster pump located ~14 km downstream of the Dunvegan bridge crossing to supply water from the Peace River to storage ponds used for town operations. As there is no flow / water level rating curve for the intake location, the WSC (Water Survey of Canada) gauge at the Dunvegan bridge is used for estimating flow thresholds. The reported[7] flow threshold was 600 m^3/s +/- 100 m^3/s.

Estimates of downstream flow levels during the low-flow period of reservoir filling show discharge levels of 676, 682, and 847 m^3/s for the dry, median, and wet inflow scenarios, respectively (Table 2). The mean daily flows are expected to be lower than the Fairview intake operating elevation for five days, based on the model estimates of downstream flows (Table 2). The use of stored pond water is expected to mitigate disruption to the Fairview water supply during the reservoir filling period. If Project-related flow issues arise at this location, BC Hydro will work with the Alberta EPA and/or Fairview staff to explore options for mitigation.

This Town of Fairview intake booster pump experiences increased wear when suspended solid levels, as measured by a turbidity meter, are higher than 20 NTU. The operator prefers to pump when turbidity is 17 NTU or less to optimize the mechanical maintenance task frequency. The approach used by the Fairview intake operator is to pump water in the October – March period each year to fill the storage ponds. This annual pumping window targets the period when the Peace River typically has low turbidity levels. Despite the approach of pump in the low turbidity period, the pump must be rebuilt 4 – 5 times within the 5- month pumping season.

During the reservoir filling and the initial months following the filling period, short-duration (i.e., days) increases in turbidity are expected in the water column before settling out in the reservoir. This increase is expected due to reservoir shoreline erosion after the initial inundation, leading to temporary increased levels of suspended solids. Almost all solids leaving the Site C reservoir are expected to settle out prior to reaching the Fairview intake (located approximately 200 km downstream of Site C). However, ongoing turbidity monitoring results will be shared with the Town of Fairview to aid in monitoring downstream conditions in the Peace River throughout the filling period. BC Hydro and the Town of Fairview are also exploring mitigation options should evidence indicate turbidity from reservoir filling is impacting the town's intake. These options include:

- Improved pump material inventory prior to filling. This would aid in providing parts for maintenance that exceed the typical, 4 – 5 rebuilds per pumping season.

[7] Email from E. Kerkhoven (Alberta Environment & Protected Areas) to A. Pryse-Philips (BC HYDRO), 21-Nov-2013.

- Solid separator to removed sandy solids.
- Wet well enhancements.
- Increases to the pumping window to include weeks of summer pumping.

There is considerable uncertainty on the magnitude and type of suspended solids (e.g. sand vs. lighter particles) that will result from the Project at a location 200 km downstream, and the related effects to Fairview operations. BC Hydro and Fairview recognize this uncertainty as well as the need for contingency measures to be in place ahead of the need be identified.

Shaftesbury Ferry

During the low flow period of reservoir filling, the river discharges at Shaftesbury are estimated to be 678, 682, and 846 m^3/s for the dry, median and wet year scenarios (Table 2). These river flows are expected to be below the critical level for operating the ferry at full capacity (900 m^3/s +/- 100 m^3/s). The ferry can operate at partial capacity when river levels are above 600 m^3/s.

Thirty-four days of reduced capacity are estimated for the reservoir filling low-flow phase (October 1 – November 4), based on the modelled flows at the Shaftesbury location. This is 12 days longer than the historic average for a typical year (i.e., the 10 year inflow record used in the modelling exercise shows an average of 22 days per year when river levels are below the 900 m^3/s threshold.

BC Hydro is working with Alberta EPA representatives on providing advanced notice to ferry users regarding the reduced capacity of the ferry during filling. The Alberta 511 website,[8] used by ferry users for viewing the operations status of this ferry, will be used during reservoir filling for publishing updates. During the fill period, weekly flow forecast information will be shared with the Alberta EPA staff to aid in predicting downstream flow levels, as well as alerting ferry operators and users of upcoming changes to Peace River levels. A bridge, located 25 km from the ferry access on the south side of the Peace River and 137 km from the ferry access on the north side, can mitigate disruption for those travelers wishing to cross the river. BC Hydro acknowledges this extent of this disruption on the south side given the distance.

Town of Peace River

The Town of Peace River operates a raw water intake on the left bank of the Peace River, approximately 6 km upstream of the highway bridge crossing. This intake pumps water year-round and has not experienced outages due to low water in the past 6 years.[9] The Town of Peace River intake is not expected to experience disruption based on its ability to operate in recent years under river levels lower than predicted during reservoir filling. If Project-related flow issues arise at this location, BC Hydro will work with the Alberta EPA and/or Town of Peace River staff to implement mitigation measures such as trucking water to the town and/or pumping water from the river (if the river is not frozen). These commitments are made in the specific context of Site C reservoir filling and any future requests for mitigation for outages at TPR would be considered if and when they arise.

[8] Alberta Ferries | 511 Alberta

[9] J. McCuaig (TPR), pers. comm. to M. McArthur, 22-Feb-2023.

4.0 Operations

4.1 Water Management

During the environmental assessment, changes to the surface water regime were compared pre and post Project along the Peace River at WSC station locations (Volume 2, Section 11.4.5.2.5). The stations in Alberta sections of the Peace River were estimated to have a 0.04 m increase in daily water level range (annual average) for the Town of Peace River and no change at Peace Point.

4.2 Downstream Infrastructure – Risks, Mitigation and Monitoring

In accordance with federal Decision Statement Condition 6, BC Hydro will monitor and analyze the EIS predictions on surface water levels during Project operations phases. This monitoring and analysis plan is set out in the "Site C Downstream Flow and Ice Monitoring and Analysis Plan", submitted to the Impact Assessment Agency of Canada under separate cover and posted to the Site C website. Potential risks, mitigation and monitoring plans outlined below are based on the EIS predictions and subject to change.

Town of Fairview

The water levels at the Town of Fairview intake location are not expected to go below operating thresholds (Table 2) due to Project operations. Several tributaries between the Site C dam and the Fairview intake greatly mitigate the effects of flow releases that may drop nearer to the minimum licensed flow (390 m^3/s).

The EIS examined the Project operation effects on turbidity in the Peace River portions downstream of the Project (Volume 2, Section 11). On an annual basis, the Project was estimated to result in a 5% reduction in suspended sediment load at Dunvegan, largely due to reductions expected in the spring period. In the October – December (fall) and January – March (winter) periods, the Project was estimated to increase suspended solid levels as compared to baseline (0.1 mg/l vs 6.9 mg/l in fall; 0.1 mg/l vs 0.6 mg/l in winter; EIS Volume 2, Section 11, Table 11.8.4). The estimates of increased levels suspended solids are based on modelling that incorporates historic wind records from the Fort St. John area and uses this information to estimate levels of suspended solids in Site C reservoir outflows.

The Site C reservoir operations phase may influence the downstream suspended solid levels, depending on seasonal and yearly factors. The turbidity levels immediately downstream of the Project will be monitored by BC Hydro during the operations phase. These monitoring results will be provided to the Town of Fairview. BC Hydro will assess the potential Project effects on the fall and winter pumping period and will meet to discuss these effects with Town of Fairview representatives on a yearly basis or as required.

Shaftesbury Ferry

The EIS examined the changes to water level and ice formation when estimating effects to the Shaftesbury ferry operations (Volume 3, Section 26.4.12). On average, four additional days of ferry crossings may be possible in the fall due to delays in the timing of freeze-up. The Project operations effect on water level (< 4 cm difference in daily range) are not expected to adversely affect the ferry.

During operations, BC Hydro representatives will continue to work closely with Alberta EPA staff when low flow issues arise for the ferry operations. Continued communications on when higher flow releases can be accommodated will be shared with Alberta EPA staff.

Town of Peace River

The water levels at the Town of Peace River intake location are not expected to go below operating thresholds (Table 2) due to Project operations. If Project-related flow issues arise at this location, BC Hydro will work with the Alberta EPA and/or the Town of Peace River staff to explore options for mitigation.

5.0 Communications Planning & Reporting

Communications with infrastructure operators and Alberta representatives will be implemented along with the Project public outreach campaign as described in Appendix B. This plan builds upon lessons learned during the river diversion phase of the Project. The Site C Project website has a component dedicated to reservoir filling[10] as well as email and toll-free phone contact information.

The Alberta EPA and BC Hydro staff have signed a data sharing agreement to allow the timely release of weekly flow release forecast information during the reservoir filling phase. This information will allow for modelled flow level information to be prepared by the Alberta EPA staff. The Alberta EPA staff will provide updates to the Alberta 511 website to alert ferry users of changing ferry status during key low flow periods.

Following the reservoir filling period, communications between Alberta EPA staff and BC Hydro are expected to continue to assist with forecast of flow and ice levels on the Peace River. For flows during ice conditions, communications will continue to be conducted through the Alberta-British Columbia Joint Task Force on Peace River Ice. For flow releases during the open water season, the Alberta River Forecaster on Duty will call the BC Hydro Operations Planning Engineer on an as required basis to obtain a description of likely flow releases for following days up to a week.

In accordance with EAC Condition 1 and FDS Condition 5, BC Hydro will submit annual reports on the implementation of the AMP to EAO and IAAC, commencing from reservoir filling to the end of year 5 of operations. These reports will also be made available to the public through the Site C Project website.

[10] Filling the Reservoir | Site C (sitecproject.com)

Appendix A – Figures

- Figure 1 – Alberta Infrastructure Locations between Site C and the Town of Peace River Alberta
- Figure 2 - Downstream flows estimated during the reservoir filling period and historic flows, 2000 – 2019.

Map Notes:
1. Datum: NAD83
2. Projection: UTM Zone 10N
3. Base Data: Provinces of B.C. and Alberta.
4. Imagery: ESRI Online Basemapping.

Legend

- Infrastructure
- City/District Municipality

1:600,000 0 30 km

BC Hydro

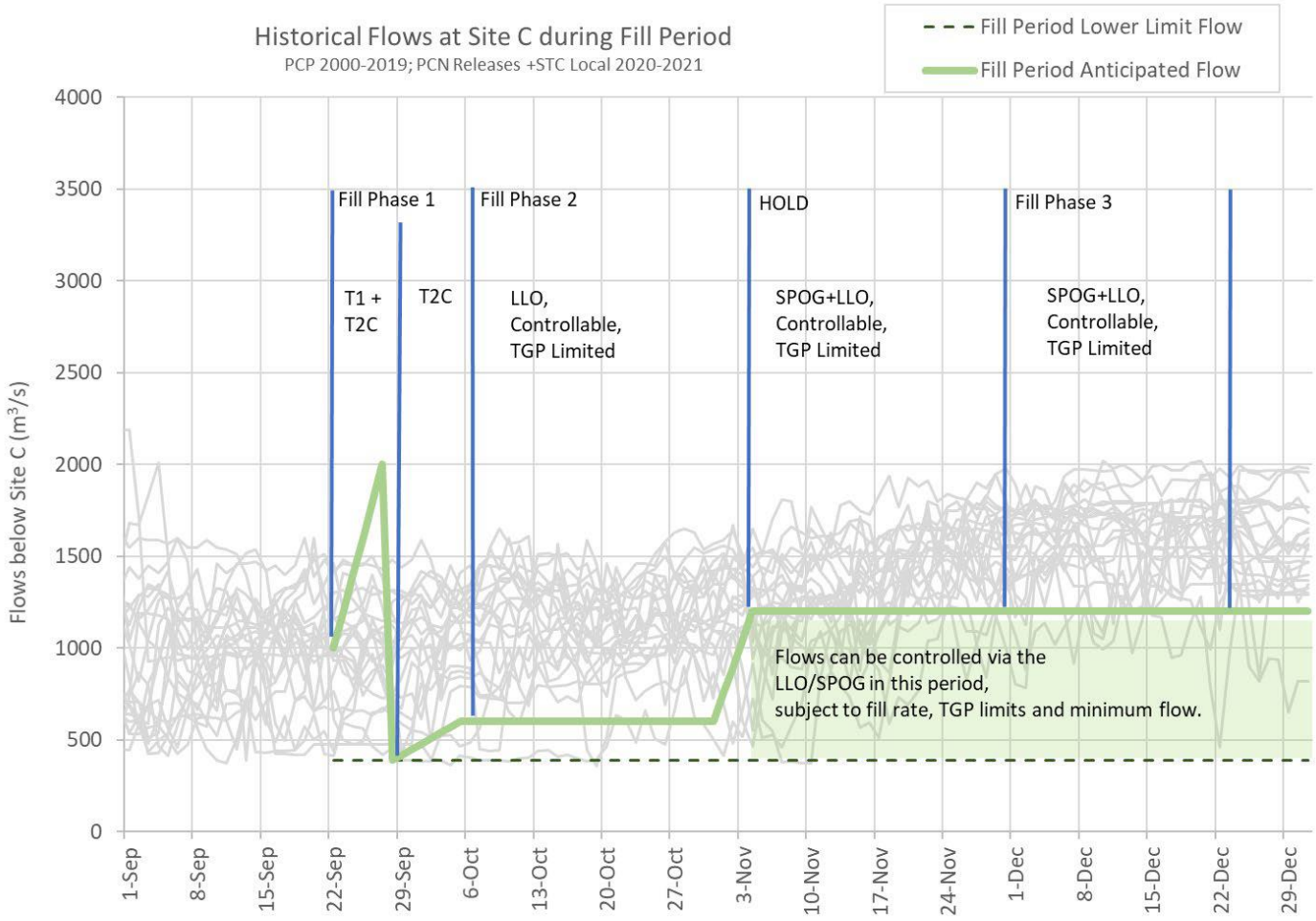
Figure 1
Alberta Infrastructure Locations between Site C and the Town of Peace River Alberta

Date	Apr 13, 2023	DWG NO	1016-N11-01776	R 0

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

Path: X:\ArcGISProjects\Regulatory\DiversionPlanning\AlbertaInfrast_Sitec_PeaceRiver_1016_N11_01776.mxd

Figure 2. Downstream flows estimated during the reservoir filling period and historic flows, 2000 – 2019.

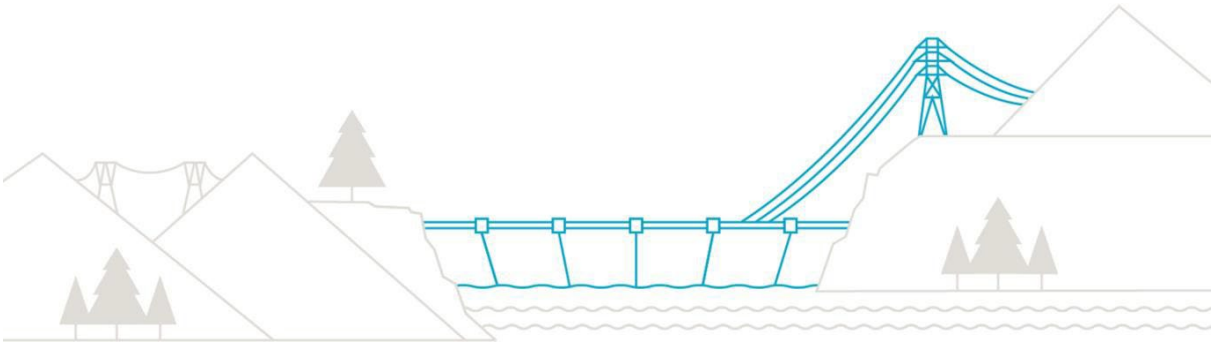


Appendix B - Downstream Users Communications Plan

SITE C – DOWNSTREAM USER COMMUNICATIONS

SITE C – RESERVOIR FILLING

September 1, 2023



BC Hydro

Site C Reservoir Filling – Communications Plan, Downstream Users

This purpose of the Reservoir Filling Communications Plan ("the Plan") is to:

- Describe the process for determining if external notices are required for downstream water level topics.
- List the steps for external communications.
- Provide the information content required for external communications.
- Describe the process for the receipt of external communications about downstream water levels or debris.
- Provide a list of contacts for key downstream users.

Scope & Rationale

This document is to be used for the management of downstream river level and debris issues that arise during the Site C Reservoir Filling phase.

Preparing for reservoir filling means reduced water levels are needed to protect materials and equipment. In the September - November period, flow releases from Site C (PCN) may be reduced from levels typically seen at that time of year, but still within the licensed minimum flow. Flow reductions in support of reservoir filling work activities could continue until mid-late November.

Where possible, BC Hydro aims to provide timely guidance to external groups affected by low river levels. The Site C team has also drafted procedures for affected users to communicate emerging issues related to downstream water levels. River flow changes related to a project emergency would be managed under the Site C Emergency Planning Guide.

Triggers for External Notices

The commencement of reservoir filling will initiate the sharing of Peace River flow release information between BC Hydro and Alberta's Ministry of Environment and Protected Areas (EPA). BC Hydro teams will determine the 7-day plan for Peace Canyon operations and share this information with Alberta EPA representatives during the fill period in accordance with the data sharing agreement. This information sharing will continue as the Site C project operation begin to actively manage Peace River flow releases until the end of the reservoir filling phase.

Steps for External Notices

The Site C team will be responsible for ensuring the following steps are followed during the reservoir filling period:

1. A 7-day forecast will be provided no later than 16:00 PDT/PST on Mondays, Wednesdays, and Fridays, excluding any statutory holidays.

2. Additional 7-day forecasts will be provided on days other than Monday, Wednesday or Friday if they are substantially different from the Monday, Wednesday and Friday forecasts and in lieu of statutory holidays.

Throughout the Site C reservoir filling period, BC Hydro will inform Alberta and its delegates about reservoir filling milestones, the associated current water level and possible date of completing the fill at timings based on BC Hydro's sole discretion

Responding to External Inquiries

An email inbox will be set up and monitored by Site C staff. An initial triage step will place messages into urgent and non-urgent categories. Urgent inquiries requiring rapid review by Site C staff will be those related to observed disruption to in-river infrastructure, such as ferries or water intakes from low flow or debris issues. Urgent inquiries would be sent to the Site C Construction Manager for review and further vetting. Response steps to urgent inquiries will be determined on a case-by-case basis.

Non-urgent inquiries will be sent to the Site C Community Relations team for vetting within the project team.

Contact List and Initial Outreach

The Site C team will confirm the list of Alberta contacts for the distribution list related to low flow topics. The outreach efforts will also explain the reservoir filling step, timeline and potential for low flow and BCH contact information. Contact information will include a 24/7 phone number in the event of low flows or strandings in Alberta. If requested, Site C staff will arrange one on one meetings with downstream river users to address concerns and questions prior to reservoir filling.

Downstream Debris

Changing water levels or headpond creation could result in accumulation downstream debris. Debris risks are difficult to predict and will be addressed on a case-by-case basis.