PART 6 PUBLIC INFORMATION MATERIALS

Public information materials were made available by one or more of the following means: posting at www.bchydro.com; posting in the Community Consultation Offices in Fort St. John and Hudson's Hope; and handouts during consultation open houses and other community outreach events. Samples are attached as examples of public information materials:

- Monthly Field Studies Summary (July–August 2012)
- Study Update: Fish and Aquatics (Fall 2011)
- Information Sheet: Access to Generating Station and Construction Site (Spring 2011)
- Field Studies Information Sheet: Mule Deer, Moose and Elk Monitoring Program (Winter 2010–2012)
- Field Studies Information Sheet: Geological Studies (July 2008)
- Project Brochure: Powering B.C. with Clean, Reliable Electricity for Generations (Spring 2012)

Information materials on the Site C Clean Energy Project website as of January 15, 2013:

Summary (not including reports)	Materials Currently Online	
Information Sheets/Fact Sheets	18	(14 archived)
Project Brochure	1	(3 archived)
Project Updates/Bulletins	2	(9 archived)
News Releases	1	(1 archived)
Field Studies	126	
Study Updates	12	(61 archived)
Maps	30	
Business Directory	6	
Videos	3	
Local Government Liaison Materials	20	
Subtotal	**219**	

Summary – Site C Reports		
Stage 3 and Environmental Assessment Reports and Documents	3	reports and documents
Stage 2 Reports	2	reports
Stage 1 Reports	2	reports (1 report in low and high res.)
Public and Stakeholder Consultation Reports	34	reports and documents
Aboriginal Consultation and Engagement Reports and Documents	2	reports and documents
Properties and Highway 29 Consultation Reports	4	reports and documents
Engineering and Technical Reports	8	reports
Environment and Socio-Economic Reports	58	reports
Stage 2 Appended Report Summaries	41	documents
Archived Site C Reports: • 1990s Project Review • 1980s BCUC Application	 14 3	 reports reports
Subtotal	**171**	

Total number of materials on the Site C website: 390 documents

Note: Dates in parenthesis indicate the date of posting to the Site C website.

PART 6 PUBLIC INFORMATION MATERIALS

Information Sheets

1. Summary of Stage 2 Public and Stakeholder Consultation (April 2010)
2. Summary of Stage 2 Aboriginal Consultation and Engagement (April 2010)
3. Summary of Stage 2 Property Owner Consultation (April 2010)
4. Summary of Stage 2 Engineering and Operations Work (April 2010)
5. Summary of Stage 2 Environment and Socio-economic Work (April 2010)
6. About Site C (April 2012)
7. Site C Project Design (April 2012)
8. Environmental Assessment Process (March 2012)
9. Aboriginal Consultation and Engagement (March 2012)
10. Access to the Generating Station and Construction Site (May 2011)
11. Site C Reservoir (March 2012)
12. Greenhouse Gas Emissions (May 2011)
13. Stage 3 Study Topics (March 2012)
14. Meeting B.C.'s Future Electricity Needs (March 2012)
15. Multi-stage Evaluation Process (March 2012)
16. Agriculture (April 2012)
17. Preliminary Impact Lines and Land Use (April 2012)
18. Cost Estimate for Site C (October 2012)

Project Brochure

1. Site C Clean Energy Project : Powering B.C. with Clean, Reliable Electricity for Generations (April 2012)

Project Updates

1. Site C Project Moving to Environmental Assessment Process (May 2011)
2. Site C Project Update (October 2011)

News Release

1. BC Hydro Welcomes Joint Review Panel Process (September 2011)

Field Studies

1. Week of February 4, 2008: Preparation for Environmental and Engineering Studies
2. Week of February 25, 2008: Site C Water Quality Baseline Study

PART 6 PUBLIC INFORMATION MATERIALS

3. Week of March 31, 2008: Field Studies Info Sheet: Fish Tracking Program
4. April 28 to mid-May, 2008: Geological Field Studies (April 2008)
5. May 2008: Site C Water Quality Baseline Study continues (May 2008)
6. May 2008 – 2009: Monthly Angling and River-Based Recreation Use Survey (May 2008)
7. May – October 2008: Peace River Tributary Fisheries Study (May 2008)
8. May – October 2008: Owl-Call Playback, Waterfowl, Breeding Bird and Amphibian Surveys (May 2008)
9. May 2008: Site C Water Quality Baseline Study continues (May 2008)
10. Spring to Fall 2008: Periodic Aerial Surveys for Site C Field Studies (June 2008)
11. June Geological Field Studies (June 2008)
12. June – July 2008: Geological Field Studies (June 2008)
13. June – July 2008: Field Studies Overview (June 2008)
14. July 2008: Slope Monitoring Instrumentation Condition Assessment Field Study (July 2008)
15. July – September 2008: Property Mapping Field Surveys (July 2008)
16. August 2008: Geological Field Studies (August 2008)
17. August 2008: Field Studies Overview (August 2008)
18. September 2008: Geotechnical Investigations Field Studies
19. October – December 2008: Slope Monitoring Instrumentation Reading (October 2008)
20. October 2008: Field Studies Overview (October 2008)
21. November – December 2008: Field Studies (November 2008)
22. February – March 2009: Wind Monitoring Field Studies (February 2009)
23. February 2009: Field Studies Overview (February 2009)
24. March 2009: Field Studies Overview (March 2009)
25. April 2009: Field Studies Overview (April 2009)
26. May 2009: Field Studies Overview (May 2009)
27. June 2009: Field Studies Overview (June 2009)
28. July 2009: Field Studies Overview (July 2009)
29. July 2009: Terrain Topography and Geomorphology Assessment Field Study (July 2009)
30. August 2009: Field Studies Overview (August 2009)
31. August 2009: Investigations for Potential Sources of Construction Materials
32. September 2009: Field Studies Overview (September 2009)
33. October 2009: Field Studies Overview (October 2009)

PART 6 PUBLIC INFORMATION MATERIALS

34. November 2009: Field Studies Overview (November 2009)
35. December 2009: Field Studies Overview (December 2009)
36. January 2010: Field Studies Overview (January 2010)
37. January 2010: Mule Deer, Moose and Elk Monitoring Program (January 2010)
38. February 2010: Field Studies Overview (February 2010)
39. February 2010: Mule Deer, Moose and Elk Monitoring Program – Aerial Monitoring and Snow Monitoring Stations (February 2010)
40. March 2010: Field Studies Overview (March 2010)
41. April 2010: Field Studies Overview (April 2010)
42. May 2010: Field Studies Overview (May 2010)
43. June 2010: Field Studies Overview (June 2010)
44. June 2010: Geotechnical Studies (June 2010)
45. July 2010: Field Studies Overview (July 2010)
46. August 2010: Field Studies Overview (August 2010)
47. August 2010: Bat Surveys (August 2010)
48. August 2010: Geotechnical Work (August 2010)
49. September 2010: Field Studies Overview (August 2010)
50. October 2010: Field Studies Overview (October 2010)
51. Public Notices of Field Study Activities (October 2010)
52. Heritage Study Program (October 2010)
53. November 2010: Field Studies Overview (November 2010)
54. December 2010: Field Studies Overview (December 2010)
55. January 2011: Field Studies Overview (December 2010)
56. January 2011: Geotechnical Studies (January 2011)
57. February 2011: Field Study Overview (February 2011)
58. February 2011: Mule Deer, Moose and Elk Monitoring Program (February 2011)
59. February 2011: Air Quality Monitoring (February 2011)
60. March 2011: Field Study Overview (March 2011)
61. March 2011: Avian Study Program (March 2011)
62. March 2011: Condition Assessment of Adit on North Bank (March 2011)
63. March 2011: 2011 Field Study Open House Information Session – April 5 and April 6, 2011
64. April 2011: Field Study Overview (April 2011)

PART 6 PUBLIC INFORMATION MATERIALS

65. April 2011: Garter Snake Hibernacula Study (April 2011)
66. April 2011: Geomorphology and Sediment Transport Studies (April 2011)
67. April 2011: Noise Monitoring (April 2011)
68. April 2011: Geotechnical Investigations – Shoreline (April 2011)
69. 2011 Field Study Season Open House Information Session Presentation
70. May 2011: Field Study Overview (April 2011)
71. May 2011: Heritage Study Program (April 2011)
72. May 2011: Reservoir Clearing Plans Investigations (April 2011)
73. May 2011: Peace, Moberly and Halfway River Fish Movement (April 2011)
74. May 2011: Peace, Moberly and Halfway River Fish Inventories (April 2011)
75. May 2011: Peace River Aquatic Productivity and Modeling Study (April 2011)
76. May 2011: Dam Site Investigations (April 2011)
77. May 2011: Notice of Helicopter Work (April 2011)
78. May 2011: Notice of Geotechnical Drilling Work (May 2011)
79. May 2011: Notice of Geotechnical Drilling Work Community Notice (May 2011)
80. June 2011: Field Study Overview (May 2011)
81. June 2011: Highway 29 Topographical Survey Program (May 2011)
82. July – August 2011: Field Study Overview (June 2011)
83. July 2011: Rare Plants Study (June 2011)
84. August 2011: Small Mammal Study (June 2011)
85. August 2011: Habitat and Mapping Ground Surveys (June 2011)
86. Notice of Noxious Weed Control Program (July 2011)
87. August 2011: Investigations for Construction Access Roads (July 2011)
88. August 2011: Socio-Economic Assessment (August 2011)
89. Notice of Geotechnical Drilling along Highway 29 (August 2011)
90. September 2011: Field Study Overview (August 2011)
91. September 2011: Beaver Study (August 2011)
92. October 2011: Field Study Overview (September 2011)
93. November 2011: Field Study Overview (October 2011)
94. December and January 2011: Field Study Overview (November 2011)
95. February 2012: Field Study Overview (January 2012)
96. March – April 2012 – Field Study Overview (March 2012)

PART 6 PUBLIC INFORMATION MATERIALS

97. May and June Field Study Overview (April 2012)
98. May 2012: Geotechnical Investigations and Instrumentation Monitoring (April 2012)
99. May 2012: Adit Construction (April 2012)
100. May 2012: Amphibian Surveys (April 2012)
101. May 2012: Avian Study Program (April 2012)
102. May 2012: Bat Surveys (April 2012)
103. May 2012: Dragonfly Study (April 2012)
104. May 2012: Garter Snake Hibernacula Study (April 2012)
105. May 2012: Aquatic Productivity and Modelling Study (April 2012)
106. May 2012: Peace River Fish and Fish Habitat Inventories (April 2012)
107. May 2012: Peace, Pine, Moberly and Halfway River Fish Movement (April 2012)
108. May 2012: Geomorphology and Sediment Transport Studies (April 2012)
109. May 2012: Agricultural Assessment Study (April 2012)
110. May 2012: Heritage Study Program (April 2012)
111. May 2012: Forestry Surveys (April 2012)
112. May 2012: Habitat Mapping Ground Surveys (April 2012)
113. May 2012: Rare Plants Study (April 2012)
114. May 2012: Notice of Noxious Weed Control Program (April 2012)
115. May 2012: Notice of Helicopter Work (May 2012)
116. July 2012: July and August Field Study Overview (June 2012)
117. July 2012: Construction Materials Investigations (June 2012)
118. July 2012: Migratory Birds Study Program (June 2012)
119. July 2012: Baseline Groundwater Monitoring (June 2012)
120. July 2012: July and August Field Study Overview (July 2012)
121. September 2012: September and October Field Study Overview (August 2012)
122. September 2012: Construction Access Roads Topographic Survey & Geotechnical Investigations (September 2012)
123. September 2012: Construction Materials Investigations (September 2012)
124. October 2012: Construction Access Roads Topographic Survey & Geotechnical Investigations – Transmission Line Right-of-Way (October 2012)
125. October 2012: November and December Field Study Overview (October 2012)
126. October 2012: Jackfish Lake Moose and Elk Monitoring Program (October 2012)

PART 6 PUBLIC INFORMATION MATERIALS

Maps

1. Proposed Site C Dam, Reservoir Area and Transmission Corridor (July 2011)
2. Peace Canyon Dam (July 2011)
3. Hudson's Hope to Lynx Creek (July 2011)
4. Lynx Creek to Farrell Creek (July 2011)
5. Farrell Creek (July 2011)
6. Farrell Creek to Attachie Slide (July 2011)
7. Halfway River (July 2011)
8. Watson Slough (July 2011)
9. Cache Creek (July 2011)
10. Wilder Creek (July 2011)
11. Moberly River (July 2011)
12. Site C Dam Location (July 2011)
13. Site C Downstream of Dam Location (July 2011)
14. Kilometre 21 – 27 Peace Canyon Dam (April 2012)
15. Kilometre 26 – 32 Hudson's Hope (April 2012)
16. Kilometre 32 – 37 Lynx Creek (April 2012)
17. Kilometre 37 – 45 Lynx Creek to Farrell Creek (April 2012)
18. Kilometre 43 – 51 Farrell Creek (April 2012)
19. Kilometre 49 – 56 Farrell Creek East (April 2012)
20. Kilometre 54 – 62 Farrell Creek to Halfway River (April 2012)
21. Kilometre 59 – 67 Attachie Slide (April 2012)
22. Halfway River (April 2012)
23. Kilometre 67 – 72 Halfway River/Attachie Lookout (April 2012)
24. Kilometre 72 – 81 Watson Hill/Watson Slough (April 2012)
25. Cache Creek/Red Creek (April 2012)
26. Cache Creek Slide (April 2012)
27. Kilometre 87 – 96 Wilder Creek (April 2012)
28. Kilometre 95 – 104 Tea Creek (April 2012)
29. Kilometre 102 – 106 Site C Dam Location (April 2012)
30. Moberly River (April 2012)

PART 6 PUBLIC INFORMATION MATERIALS

Business Directory

1. Site C Project Business Directory registration form (November 2011)
2. Site C Project Business Directory – Aboriginal Business Distinction form (November 2011)
3. Fall 2011 Business Information Sessions – Presentation (January 2012)
4. Fall 2011 Business Information Sessions – Report (January 2012)
5. Fall 2012 Business Information Sessions – Presentation (November 2012)
6. Fall 2012 Business Information Sessions – Report (December 2012)

Videos

1. Site C Clean Energy Project (May 2011)
2. Site C Clean Energy Project (updated/short version – February 2012)
3. Water and Electricity (March 2012)

Local Government Liaison

1. Terms of Reference (April 2011)
2. June 3, 2010 Agenda and Meeting Notes (May 2011)
3. October 27, 2010 Agenda and Meeting Notes (May 2011)
4. April 20, 2011 Agenda and Meeting Notes (June 2011)
5. 2011 Field Studies Presentation Summary (August 2011)
6. Agricultural Assessment Presentation Summary (August 2011)
7. June 22, 2011 Agenda and Meeting Notes (August 2011)
8. EAO-CEAA Process Presentation (August 2011)
9. PDR Briefing Presentation Summary (August 2011)
10. 2011 Field Season Update Presentation (November 2011)
11. September 21, 2011 Agenda and Meeting Notes (December 2011)
12. Regional and Local Government Liaison Report – Winter 2011/2012 (March 2012)
13. February 22, 2012 Agenda and Meeting Notes (May 2012)
14. Project Update Presentation (May 2012)
15. Community Workshop: Project Overview Presentation (July 2012)
16. April 11, 2012 Agenda and Meeting Notes (August 2012)
17. Regional and Local Government Liaison Report – Winter 2012/2013 (December 2012)
18. October 17, 2012 Agenda and Meeting Notes (December 2012)
19. Project Update Presentation (December 2012)

PART 6 PUBLIC INFORMATION MATERIALS

20. EAO-CEA Site C EA Process Presentation (December 2012)

Study Updates

1. Highway 29 (April 2012)
2. Hudson's Hope Berm Options (Fall 2012)
3. Reservoir Impact Lines (April 2012)
4. Transmission (April 2012)
5. Fish and Aquatics (April 2012)
6. Wildlife and Vegetation (Fall 2012)
7. Physical Environment (April 2012)
8. Heritage (Fall 2012)
9. Agricultural Assessment (April 2012)
10. Recreation (Fall 2012)
11. Socio-Economic Assessment (Fall 2012)
12. Worker Accommodation (April 2012)

Reports

Stage 3 and Environmental Assessment Reports and Documents

1. Site C Project Description Report (May 2011)
2. Advisory Working Group Introductory Meeting Presentation – October 2011 (January 2012)
3. Advisory Working Group Presentation – March 2012 (April 2012)

Stage 2 Reports

1. Stage 2 Report: Consultation and Technical Review (2009)
2. Stage 2 Summary Report (2009)

Stage 1 Reports

1. Site C Summary: Stage 1 Review of Project Feasibility Summary (December 2007)
2. Site C Feasibility Review: Stage 1 Completion Report [with high- and low-resolution files] (December 2007)

Public and Stakeholder Consultation Reports and Documents

1. Pre-Consultation Summary Report, March 15, 2008 (March 2008)
2. Pre-Consultation Discussion Guide and Feedback Form, December 2007(2007)
3. Consideration of Input from Pre-Consultation, December 4, 2007 to February 15, 2008 (2008)
4. Public Notification Materials, Pre-Consultation (2007)

PART 6 PUBLIC INFORMATION MATERIALS

5. Project Definition Consultation, Round 1 Summary Report, September 26, 2008 (September 2008)
6. Project Definition Consultation Discussion Guide and Feedback Form, Round 1: May/June 2008 (2008)
7. Public Notification Materials, Round 1 Consultation (2008)
8. Project Definition Consultation, Round 2 Summary Report, February 9, 2009. (February 2009)
9. Project Definition Consultation Discussion Guide and Feedback Form, Round 2: October/November 2008 (2008)
10. Public Notification Materials, Round 2 Consultation (2009)
11. Stage 2 Consideration of Public Consultation Input (2010)
12. 2011 Field Study Season Open House Information Session Presentation (April 2011)
13. 2011 Field Study Season Open House Information Session Presentation Display Boards (April 2011)
14. 2011 Field Study Season Open House Information Session Presentation Meeting Notes (May 2011)
15. Hudson's Hope Berm Options Consultation Brief – Fall 2011 (September 2011)
16. Site C Business Information Sessions: Summary Report – November/December 2011 (January 2012)
17. Regional and Local Government Liaison Report – Winter 2011/2012 (March 2012)
18. Site C Clean Energy Project: Project Definition Consultation Spring 2012 Discussion Guide and Feedback Form: April/May 2012. BC Hydro. 2012 (April 2012)
19. Project Definition Consultation Spring 2012 – Public and Stakeholder Notification Materials (July 2012) **Previously identified as single files in April 2012.*
20. Site C Clean Energy Project: Project Definition Consultation Spring 2012 Summary Report, June 25, 2012. Kirk & Co. Consulting Ltd. and Mustel Group 2012. (July 2012)
21. Appendix 2: Stakeholder Meeting Notes (July 2012)
22. Appendix 3: Open House Question and Answer Session Meeting Notes (July 2012)
23. Site C Research (August 2012)
24. Project Definition Consultation, Fall 2012 Discussion Guide and Feedback Form (September 2012)
25. Project Definition Consultation, Spring 2012 Display Boards (October 2012)
26. Project Definition Consultation, Fall 2012 Display Boards (October 2012)
27. Hudson's Hope Berm Options Consultation Summary Report – February 2012 (January 2013)
28. Hudson's Hope Berm Options Consultation – Consideration of Input – October 2012 (January 2013)
29. Project Definition Consultation, Fall 2012 Summary Report (January 2013)
30. Appendix 2: Stakeholder Meeting Notes (January 2013)

PART 6 PUBLIC INFORMATION MATERIALS

31. Appendix 3: Open House Question and Answer Session Meeting Notes (January 2013)
32. Appendix 4: Public and Stakeholder Notification Materials (September 2012)
33. Regional and Local Government Liaison Report – Winter 2012/2013 (January 2013)
34. Fall 2012 Business Information Sessions – Report (January 2013)

Aboriginal Consultation and Engagement Reports and Documents

1. Treaty 8 First Nations Report on Stage 2 Consultation (April 2010)
2. BC Hydro Response to Treaty 8 Tribal Association's Submission on Stage 2 Consultation (April 2010)

Properties and Highway 29 Consultation Reports

1. Peace River Site C Hydro Project – Consultation Summary Report: Property Owner Consultation on Potential Highway 29 Realignment Options, November 2008 – March 2009 (April 2010)
2. 2011 Field Study Season Property Owner Meeting Presentation (May 2011)
3. 2011 Field Study Season Property Owner Meeting Notes April 5 (May 2011)
4. 2011 Field Study Season Property Owner Meeting Notes April 6 (May 2011)

Engineering and Technical Reports

1. Prefeasibility Study for a Cascade of Low Consequence Structures as an Alternative to Site C (2003)
2. Peace River Development Site C Project: Review of Upstream Axes (2006)
3. Peace River Site C Hydro Project – Highway 29 Relocations (April 2010)
4. Peace River Site C Hydro Project – Powerhouse Access Road and Bridge (April 2010)
5. Peace River Site C Hydro Project – Reservoir Shoreline Impacts – Methodology and Criteria (April 2010)
6. Peace River Site C Hydro Project – Stage 2 Review of Potential Downstream Changes from Site C Operations – Preliminary Findings (April 2010)
7. Peace River Site C Hydro Project – Stage 2 Preliminary Clearing Considerations (April 2010)
8. Peace River Site C Hydro Project – Stage 2 Engineering Services Summary Report (April 2010)

Environment and Socio-Economic Reports

Wildlife and Terrestrial Reports

1. Terrestrial Ecosystem Mapping of the Peace River Study Area: Baseline Inventory Surveys (2007)
2. Peace River Wildlife Surveys – Baseline Inventory Surveys (2006)

PART 6 PUBLIC INFORMATION MATERIALS

3. Peace River Wildlife Surveys – Inventory and Habitat Use of Bat Species in the Peace River Corridor (2006)
4. Peace River Wildlife Surveys – Summary Report Winter Baseline Inventory Surveys (2006)
5. Peace River Wildlife Surveys 2005: Habitat Suitability Modeling and Wildlife Inventory Draft Final Report
6. Peace River Wildlife Surveys – Preliminary Inventory of Bat Species in the Peace River Corridor (2005)
7. Peace River Site C Hydro Project – Stage 2 Baseline Vegetation and Wildlife Report (April 2010)

Fish and Aquatics Reports

Peace River Fish Community Indexing (Phase Reports 1 – 8, 2002 – 2009)

Peace River Fish Community Indexing Program

Peace River and Tributaries Fish and Fish Habitat Inventories

8. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2007 (April 2010)
9. Site C Fisheries Studies Peace River Fish Inventory 2009 (July 2010)
10. Site C Fisheries Studies Halfway River and Moberly River Summer Fish Survey (2009) (July 2010)
11. Site C Fisheries Studies Halfway River and Moberly River Fall Mountain Whitefish Migration and Spawning Study 2009. (July 2010)
12. Site C Fisheries Studies – Baseline Peace River Tributaries Fish Use Assessments in Spring and Fall 2008 (April 2010)
13. Site C Fisheries Studies – Juvenile Fish and Fish Habitat Inventory of Peace River Tributaries in Summer 2008 (April 2010)
14. Site C Fisheries Study – Upper Halfway River Watershed Bull Trout Spawning Survey 2008 (April 2010)
15. Small Fish Surveys in the Peace & Halfway Rivers 2006
16. Peace River Fisheries and Aquatic Resources Literature Summary (2010)
17. Site C Fisheries Studies – 2011 Revelstoke Reservoir Fish Inventory Data Report (February 2012)
18. Site C Fisheries Studies – 2010 Revelstoke Reservoir Fish Inventory (February 2012)
19. Site C Fisheries Studies – 2010 Elemental Signature Pilot Study – 2010 Report (February 2012)
20. Site C Clean Energy Project – Site C Fisheries Studies – Peace River Fish Inventory (February 2012)
21. Site C Fisheries Studies – 2010 Moberly River and Halfway River Summer Fish Inventory (February 2012)
22. Site C Fisheries Studies – 2010 Coldwater Species Fish Survey (February 2012)

PART 6 PUBLIC INFORMATION MATERIALS

23. Site C Clean Energy Project Fisheries Studies – 2010 Upper Halfway River Watershed Bull Trout Spawning Survey 2011 (February 2012)
24. Site C Fisheries – 2010 Pilot Rotary Screw Trap Study 2010 (February 2012)
25. Site C Fisheries Studies – 2010 Dinosaur Reservoir Sampling and Literature Review (February 2012)
26. Site C Fisheries Studies – Peace River Fish Inventory 2009. (February 2012)
27. Site C Fisheries Studies – Halfway River and Moberly River Fall Mountain Whitefish Migration and Spawning Study 2009 (February 2012)
28. Site C Fisheries Studies – Halfway River and Moberly River Summer Fish Survey 2009 (February 2012)

Mercury

29. 2010 Status of Mercury in Environmental Media for Site C Planning – Peace River and Dinosaur Reservoir 2011 (February 2012)
30. Site C Technical Memorandum – Mercury Data Review and Planning Considerations (February 2012)
31. Phase 1 2010 Site C Data Collection – Sampling and Analysis Plan (February 2012)
32. Site C Peace River – Mercury Levels in Peace River Fish Tissue – Data Report 2008 (April 2010)

Fish Radio Tracking Studies

33. Peace River Fisheries Investigation Peace River and Pine River Radio Telemetry Study 2009 (July 2010)
34. Analysis and Assessment of the Ministry of Environment's Peace River Bull Trout and Arctic Grayling Radio Telemetry Database 1996 to 1999. (July 2010)
35. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study (2008)
36. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study (2007)
37. Peace River Fisheries Investigation – Peace River Tributary Spring Spawning Migration, Tributary Summer Juvenile Rearing and Radio Telemetry Studies (2006)
38. Peace River Fish and Aquatics Investigations – Peace River and Tributary Summer Fish Distribution, Habitat Assessment and Radio Telemetry Studies (2005)
39. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2007 (February 2012)

Water Quality

40. Baseline Data Collection Water Quality, River Sediment, Soil, and Vegetation Samples from the Peace River Watershed – 2007 (April 2010)

PART 6 PUBLIC INFORMATION MATERIALS

41. Baseline Data Collection – Peace River Watershed Water Quality and Dinosaur Lake Limnology Sampling – 2008 (April 2010)
42. Site C Fisheries Studies Peace River Tributaries Water Temperature Monitoring Study 2009 – Technical Data Report (February 2012)
43. Site C Fisheries Studies Peace River Tributaries Water Temperature Monitoring Study – 2010 Technical Data Report (February 2012)

Socio-Economic Reports

44. Site C Lands: Economic Opportunities Assessment Impact Assessment, Final Report (2008)

Heritage and Cultural Resources Reports

45. Peace River Site C Hydro Project – Heritage Resources Data Gap Analysis (April 2010)
46. Peace River Site C Hydro Project – Archaeological Site Reconciliation, Peace River, Fort St. John to Hudson's Hope, B.C. (April 2010)

Recreation Reports

47. Peace River Angling and Recreational-Use Creel Survey 2008 – Interim Year 1 Report (April 2010)
48. Peace River Angling and River Recreation-Use Creel Survey 2008–2009 Final Report. (July 2010)

Climate and Greenhouse Gas Emissions Reports

49. Peace River Site C Hydro Project Stage 2 – Baseline Greenhouse Gas Emissions Report (April 2010)
50. Preliminary GHG Emissions Estimate from Construction Materials – Site C Hydro Project (April 2010)

Report Summaries

One-page summary documents are posted online for the following reports:

1. Peace River Site C Hydro Project: Pre-Consultation Discussion Guide and Feedback Form, December 2007 (April 2010)
2. Public Notification Materials, Pre-Consultation (April 2010)
3. BC Hydro Peace River Site C Hydro Project: Pre-Consultation Summary Report, March 15, 2008 (April 2010)
4. Peace River Site C Hydro Project: Consideration of Input from Pre-Consultation, December 4, 2007 to February 15, 2008 (April 2010)
5. Peace River Site C Hydro Project: Project Definition Consultation Discussion Guide and Feedback Form, Round 1: May/June 2008 (April 2010)
6. Public Notification Materials, Round 1 Consultation (April 2010)
7. BC Hydro Peace River Site C Hydro Project: Project Definition Consultation, Round 1

PART 6 PUBLIC INFORMATION MATERIALS

Summary Report, September 26, 2008 (April 2010)

8. Peace River Site C Hydro Project: Project Definition Consultation Discussion Guide and Feedback Form, Round 2: October/November 2008 (April 2010)
9. Public Notification Materials, Round 2 Consultation (April 2010)
10. BC Hydro Site C Hydro Project: Project Definition Consultation, Round 2 Summary Report, February 9, 2009 (April 2010)
11. Peace River Site C Hydro Project: Stage 2 Consideration of Public Consultation Input (April 2010)
12. Treaty 8 First Nations Report on Stage 2 Consultation (April 2010)
13. BC Hydro Response to Treaty 8 Tribal Association's Submission on Stage 2 Consultation (April 2010)
14. Peace River Site C Hydro Project – Consultation Summary Report: Property Owner Consultation on Potential Highway 29 Realignment Options, November 2008 – March 2009 (April 2010)
15. Peace River Site C Hydro Project – Stage 2 Engineering Services Summary Report (April 2010)
16. Peace River Site C Hydro Project – Highway 29 Relocations (April 2010)
17. Peace River Site C Hydro Project – Powerhouse Access Road & Bridge (April 2010)
18. Peace River Site C Hydro Project – Reservoir Shoreline Impacts: Methodology and Criteria (April 2010)
19. Peace River Site C Hydro Project – Stage 2 Preliminary Clearing Considerations (April 2010)
20. Peace River Site C Hydro Project – Stage 2 Review of Potential Downstream Changes from Site C Operations – Preliminary Findings (April 2010)
21. Peace River Site C Hydro Project Stage 2 – Baseline Greenhouse Gas Emissions Report (April 2010)
22. Preliminary GHG Emissions Estimate from Construction Materials – Site C Hydro Project (April 2010)
23. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2007 (April 2010)
24. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2008 (April 2010)
25. Site C Fisheries Studies – Baseline Peace River Tributaries Fish Use Assessments in Spring and Fall 2008 (April 2010)
26. Site C Fisheries Studies – Juvenile Fish and Fish Habitat Inventory of Peace River Tributaries in Summer 2008 (April 2010)
27. Site C Fisheries Study – Upper Halfway River Watershed Bull Trout Spawning Survey 2008 (April 2010)
28. Site C Peace River – Mercury Levels in Peace River Fish Tissue – Data Report 2008 (April 2010)
29. Peace River Site C Hydro Project – Archaeological Site Reconciliation, Peace River Fort St. John to Hudson's Hope, B.C. (April 2010)
30. Peace River Site C Hydro Project – Heritage Resources Data Gap Analysis (April 2010)
31. Peace River Angling and Recreational-Use Creel Survey 2008 – Interim Year 1 Report (April 2010)

PART 6 PUBLIC INFORMATION MATERIALS

32. Peace River Site C Hydro Project Stage 2 Baseline Vegetation and Wildlife Report (April 2010)
33. Terrestrial Ecosystem Mapping of the Peace River Study Area: Baseline Inventory Surveys 2007 – Keystone Wildlife Research Ltd. (April 2010)
34. Baseline Data Collection – Peace River Watershed Water Quality and Dinosaur Lake Limnology Sampling – 2008 (April 2010)
35. Baseline Data Collection – Water Quality, River Sediment, Soil, and Vegetation Samples from the Peace River Watershed – 2007 (April 2010)
36. Analysis and Assessment of the Ministry of Environment's Peace River Bull Trout and Arctic Grayling Radio Telemetry Database 1996 to 1999 (July 2010)
37. Peace River Site C Angling and Recreation-Use Creel Survey 2008–2009 Final Report (August 2010)
38. Peace River Fisheries Investigation Peace River and Pine River Radio Telemetry Study 2009 (March 2011)
39. Site C Fisheries Studies Halfway River and Moberly River Fall Mountain Whitefish Migration and Spawning Study 2009 (March 2011)
40. Site C Fisheries Studies Halfway River and Moberly River Summer Fish Survey [2009] (March 2011)
41. Site C Fisheries Studies Peace River Fish Inventory 2009 (March 2011)

Archived Historical Reports

<u>1990s Project Review</u>

1991 Summary Status Report

1. Site C Summary Status Report

Wildlife Reports

2. Peace River Site C Hydroelectric Development Environmental Assessment Consumptive Wildlife Resources
3. Review of Ungulate Inventory, Game Harvest & Trapline Catch Data for Lands Surrounding the Site C Project

Fish and Aquatics Reports

4. Peace River Site C Development: Fisheries Habitat & Tributary Surveys 1989 Studies
5. Peace River Site C Development: Fisheries Habitat & Tributary Surveys 1990 Studies
6. Peace River Site C Hydroelectric Development Pre-Construction Fisheries Studies – Fish Movements & Populations Status
7. Peace River Site C Hydroelectric Development Pre-Construction Fisheries Studies – Fish Movements & Populations Status 1990 Studies Interim Final Report

Climate Reports

8. Review of Site C Climate Impacts

PART 6 PUBLIC INFORMATION MATERIALS

Land Use and Resources (Note: this atlas is not online but the note directing people to the Fort St. John Community Consultation Office is online)

9. The Peace River Site C Project Environmental Resource Atlas (Hugh Hamilton Ltd., 1991) is available for viewing at the Community Consultation Office in Fort St. John.

Heritage Reports

10. BC Hydro Peace Site C Project Heritage Resources Assessment – Status Report

Socio-Economic Reports

11. Site C Agricultural Resources Inventory: Status of Information and Recommendations for Further Study
12. Peace River Site C Project Forestry Studies: A Review of the Forest Resource within the Peace Region and the Area Directly Affected by the Site C Project
13. Peace River Site C Sport Fishing Survey Interim Report
14. Recreation & Tourism Assessment – Site C Project Final Report

<u>1980s British Columbia Utilities Commission (BCUC) Application</u>

1. British Columbia Utilities Commission, Site C Report, Report & Recommendations to the Lieutenant Governor-In-Council
2. Peace Site C Project Environmental Impact Statement
3. Site C Reservoir Shoreline Stability Assessment Report
   - Site C BCUC Hearings Exhibits List (442 exhibits)
   - Link to the BCUC's document library

SITE C CLEAN ENERGY PROJECT

MONTHLY FIELD STUDIES SUMMARY

July and August 2012

The Site C Clean Energy Project (Site C) is now in Stage 3, the environmental and regulatory review phase, which will include an independent environmental assessment. Stage 3 work includes conducting environmental and engineering field studies on and around the Peace River between the Williston Reservoir and the Alberta border.

An overview of studies that will be taking place in July and August 2012 is below. Additional study activities may occur; notice of these studies will be posted at www.bchydro.com/sitec.

Overview
Socio-Economic Studies
♦ Agricultural Assessment Study
♦ Heritage Study Program
♦ Forestry Surveys
♦ Socio-Economic Assessment
Wildlife Studies
♦ Migratory Birds Study Program
♦ Dragonfly Study
♦ Bat Study
♦ Avian Study Program
♦ Fisher Study Program
Vegetation Assessments
♦ Rare Plants Study
♦ Habitat Mapping Ground Surveys
Physical Environment Studies
♦ Baseline Groundwater Monitoring
♦ Geomorphology and Sediment Transport Studies
♦ Climate and Air Quality Monitoring
Fish and Aquatic Studies
♦ Peace River Fish and Fish Habitat Inventories
♦ Peace, Pine, Moberly and Halfway River Fish Movement
♦ Aquatic Productivity and Modelling Study
Engineering Investigations
♦ Construction Materials Investigation
♦ Geotechnical Investigations and Instrumentation Monitoring
♦ Adit Construction

Some field studies may require access to public and private land. BC Hydro will obtain permission before accessing private property and will notify property owners who may be directly impacted by helicopters. Ongoing regular BC Hydro work, in addition to the Site C field study activities outlined here, may be taking place on the Peace River and tributaries. This work is related to BC Hydro's Peace River water license requirements program or other operations work.

Field study updates are available at **www.bchydro.com/sitec** and in the Community Consultation offices in Fort St. John and in the Pearkes Centre in Hudson's Hope.

For further information, please contact:
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Hudson's Hope BC V0C 1V0

BC hydro REGENERATION

July and August 2012

Study Name	Description	Timing
Socio-Economic Studies – Agricultural Assessment Study	BC Hydro is conducting an agricultural assessment study for the Site C project. Building on work from 2011, the field program will verify and refine agricultural resource mapping. The study will update and gather additional data on agricultural resources in the study area and will involve inspections of the land to assess soil capability. It may involve subsurface testing, consisting of periodic shovel tests supplemented in some cases by use of hand augers. Soil samples may be taken off-site for laboratory testing of agricultural capability parameters including texture, pH, salinity, etc. The lab analyses will not be carried out for contamination testing purposes. Surveys will occur within sites that will be directly affected by the proposed project, along the transmission line, dam site, Highway 29 realignment areas and within the areas included within the project erosion impact line.	June – September 2012
Socio-Economic Studies – Heritage Study Program	Starting in June and running through October, BC Hydro will be continuing the Heritage Study Program of the Site C project area. The assessment will identify, record and evaluate archaeological, historical and palaeontological sites located within the proposed Site C project area; assess potential impacts by the Site C project to these sites; and recommend mitigation options. The majority of the work will be shovel tests, as well as visual inspections of areas with good soil exposures, such as freshly tilled fields. Crews will be primarily on foot, with land access by road or boat, supported occasionally by helicopter or all-terrain vehicles.	June - October 2012
Socio-Economic Studies – Forestry Surveys	Forestry surveys will be completed on the north and south banks at the proposed dam site and Moberly River area, the Jackfish Lake Road area, and within and adjacent to sites that will be directly affected by the proposed project within the broader Peace Region.	May – November 2012

July and August 2012

Study Name	Description	Timing
	Survey teams, typically comprised of two technicians per team, will be using topographical equipment and a global positioning system (GPS) to conduct the field work. Surveys will include further detailed assessment of proposed clearing boundaries and temporary road access locations. Access will be primarily by road and boat. When the use of helicopter access is determined to be the best method for assessing the proposed route, property owners will be notified in advance.	
Socio-Economic Studies – Socio-Economic Assessment	BC Hydro is undertaking a socio-economic assessment, which covers topic areas including: economic, land and resource use, social, visual resources, human health, and First Nations community assessments. Socio-Economic study team members will be following up with local government, government agencies, businesses and First Nations communities to gather and confirm baseline information within each potential effect topic areas.	May - September 2012 *Effects assessment phase*
Wildlife Studies – Migratory Birds Study Program	BC Hydro will conduct migratory bird field studies to gather data on the presence and habitat use of migrating birds within the Peace River valley and within and adjacent to sites that will be directly affected by the proposed project. Work will include ground based surveys (boat, foot and/or vehicle based) which will be completed using point count surveys. All birds heard singing or observed at stations and along transects between stations will be recorded.	July – September 2012
Wildlife Studies – Dragonfly Study	BC Hydro is conducting a dragonfly study to address data gaps regarding the dragonflies and damselflies, collectively known as Odonates, present in the vicinity of the proposed project area. Surveys will occur within the Peace River valley, within and adjacent to sites that will be directly affected by the proposed project, along the transmission line, and within the broader Peace Region between May and August 2012.	May – July 2012

July and August 2012

Study Name	Description	Timing
	This field study will build on the surveys BC Hydro conducted in 2008. Sampling will be conducted by a dragonfly expert and field technician. A variety of aquatic habitats will be sampled, including bogs, gravelly and muddy streambeds, riverbanks, marshy areas, roadside ditches, river backchannels, and beaver impoundments. Accessing properties for the field studies will be through a mix of road, quad and foot. A boat may be required to access some portions of the river where there are no roads to access the required locations.	
Wildlife Studies – Bat Study	BC Hydro is conducting bat surveys to determine species presence and assess the potential for summer roost sites and hibernacula. Surveys will occur within and adjacent to sites that will be directly affected by the proposed project, along the transmission line, and within the broader Peace Region. Accessing properties for the field studies will be ground based (foot and vehicle).	April – August 2012
Wildlife Studies - Avian Study Program	BC Hydro will be conducting avian field studies within and adjacent to the Peace River valley between Hudson's Hope and the Alberta border. The objectives of the studies are to gather baseline data on the presence and habitat use of select bird species. Work will include ground based surveys (boat, foot and/or vehicle based). Surveys will be completed using a combination of call playbacks, point counts and nest searches.	April – July 2012
Wildlife Studies – Fisher Study Program	BC Hydro is conducting a study to further the understanding of fisher habitat use and movement patterns in and adjacent to the Peace River Valley. The study area extends from the Peace Canyon Dam to the confluence of the Pine and Peace Rivers on both sides of the Peace River. Fishers are members of the weasel family. They are about 60 cm in length and weigh 3 to 5 kg (6 to 11 lbs).	December 2010 – April 2013

July and August 2012

Study Name	Description	Timing
	Animals that have been fitted with radio-transmitters will be located monthly, via fixed-wing aircraft flights. Weekly locations will be obtained during ground visits during the breeding season to identify den sites (April through June). Weekly locations will also be obtained all year in some areas. Habitat assessments will be conducted at key fisher locations (e.g., den sites, rest sites) to document characteristics associated with the site.	
Vegetation Assessment – Rare Plants Study	BC Hydro is conducting rare plant surveys to collect additional baseline data on locally, provincially, nationally and globally rare plants within the proposed project area. This field study will build on the rare plant surveys BC Hydro conducted in 2005, 2006, 2008 and 2011. Surveys will occur within the Peace River valley, within and adjacent to sites that will be directly affected by the proposed project, along the transmission line, and within the broader Peace Region. Rare plant surveys will take place over a minimum of two sample periods, widely-separated across the growing season, to ensure that plants with different times of emergence and flowering are sampled in their prime condition. Specimens may be collected for later confirmation of field identification. Photos will be taken to record occurrences and when it may not be appropriate to remove a specimen due to small numbers of individual plants. Accessing properties for the field studies will be through a mix of road, quad and foot. A boat may be required to access some portions of the river where there are no roads to access the required locations.	June – August 2012
Vegetation Assessment – Habitat Mapping Ground Surveys	Terrestrial Ecosystem Mapping (TEM) surveys and ground truthing for the wildlife species models will be completed in the Peace Region. The surveys will verify the results and increase the accuracy of the 1:50,000 biophysical map of the region that was updated in 2010 and conduct the	May – August 2012

July and August 2012

Study Name	Description	Timing
	ground truthing needed to finalize draft wildlife species models. Several ecosystems mapped on the TEM may represent ecological communities at risk. These sites will also be targeted for field sampling in order to verify the occurrence of these communities. Field sampling will be conducted by foot and or boat.	
Physical Environment Studies – Baseline Groundwater Monitoring	BC Hydro is conducting water well monitoring and sampling between July and August 2012. The water is being monitored and sampled to establish the baseline quality in the project area and will be used to assess the potential effects of the Site C project on the water quality in the area. Key locations have been selected within the Peace River Valley near the proposed dam site and between Fort St. John and Hudson's Hope including, along Highway 29, in the Bear Flat area, near Halfway River, near Farrell Creek and near Lynx Creek. Field technicians will be on private property a maximum of one hour to collect water samples from interior or exterior taps. The water samples will be submitted to a laboratory for enhanced potability, or drinkability, testing.	July - August 2012
Physical Environment Studies – Geomorphology and Sediment Transport Studies	BC Hydro is continuing geomorphology and sediment transport studies from 2010 and 2011. These studies will characterize baseline river geomorphology, or shape of the river channels, and sediment transport rates at sites along the Peace River and its tributaries. They will be used to assess the potential effects of the Site C project on river geomorphology, and specifically, potential changes in water turbidity, fish habitat and areas of erosion or deposition. Suspended sediment gauging stations, including turbidity sensors anchored to the river bed with a cable running up the river bank to data loggers housed in metal cases, will be re-installed at six of the locations used in 2010 and 2011 (Peace River, Kiskatinaw River, Pine River, Halfway River, Moberly River and Farrell Creek), and three new turbidity	April – November 2012 *Installation of new turbidity stations will occur in July.*

July and August 2012

Study Name	Description	Timing
	stations will be installed on the Peace River upstream and downstream of the proposed Site C construction site. There will be regular site visits between April and October 2012 to collect data, check equipment and perform maintenance. Field crew access will be by boat and foot.	
Physical Environment Studies - Climate & Air Quality Monitoring in the Peace River Valley	BC Hydro is collecting climate and air quality data from eight monitoring stations on private and BC Hydro owned land between Hudson's Hope and Old Fort, south of Fort St. John. Up to seven new climate monitoring stations are planned to be installed in August and/or September in the Peace River watershed. Information on various climate parameters will be gathered, including: air temperature, humidity, wind speed and direction, fog frequency and density, snow depth and precipitation. Monitoring of particulate matter (mixture of solid particles and liquid droplets in the air) will be conducted at Old Fort and Halfway River. These data will be used to establish baseline conditions and to inform the effects assessment of the Site C project on in-valley climate and air quality in the area. Stations in the watershed will also be used to forecast periods of high tributary inflows for construction planning. Stations are visited regularly to retrieve data and for maintenance. Access to the monitoring stations is by vehicle, foot and helicopter.	July and August 2012 *Ongoing monitoring from February 2009.*
Fish and Aquatics Studies – Peace River Fish and Fish Habitat Inventories	The 2012 fish and fish habitat inventories will build on data from previous years to expand knowledge of the Peace River fish communities and contribute to existing baseline data and the current understanding of fish and fish habitat in the Site C study area. The study areas are as follows: • The Peace River study area includes from the Peace Canyon Dam into Alberta. • Halfway, Moberly, Pine and Beatton Rivers	May – November 2012

July and August 2012

Study Name	Description	Timing
	• Project activity sites associated with the construction of the project (e.g., gravel pits, transmission line, highway realignment) The Peace River study period will occur during three seasons: spring (May); summer (August); and fall (October). The Beatton River study will occur in summer (August). Sample effort will be based on the number of sites that can be completed per crew-day using a particular fish capture method. A variety of sampling methods will be employed, including boat electrofishing, backpack electrofishing, and gill nets	
Fish and Aquatics Studies – Peace, Pine, Moberly and Halfway River Fish Movement	Building on the 2010 and 2011 fisheries studies, the 2012 study will build understanding of the movement of fish in the Peace River and its tributaries. The study will also document the abundance and timing of movement of fish that move downstream from the Halfway, Pine and Moberly rivers into the Peace River, and downstream in the Peace River past the proposed Site C dam site during the open water period. The study will further describe the biological characteristics and relative abundance of fish collected by the rotary screw traps. There will be five rotary screw traps placed in the rivers. Each trap is housed in a pontoon structure approximately 4m by 7m and will be operated from May through October. The study area includes the lower sections of the Pine, Halfway and Moberly rivers (one kilometre upstream from the confluence with Peace River), and the Peace River in the immediate vicinity of the Moberly River confluence. Sampling will occur seven days per week. Access to the sites will be by boat.	May – November 2012

Fish and Aquatics Studies – Aquatic Productivity and Modelling Study	Initiated in 2010, and continued in 2011, the Peace River Aquatic Productivity and Modelling Study assesses current levels of aquatic productivity to predict productivity changes resulting from reservoir creation. In 2012, the study will collect seasonal baseline data to gain an understanding of the current levels of invertebrate, primary production and nutrient dynamics in the system; and assess, determine and run the appropriate predictive modelling for assessing productivity in the current and post reservoir aquatic environment. The 2012 field sampling plan will include the same sampling sites used during the 2010 and 2011 studies: Williston and Dinosaur Reservoirs and the Peace, Halfway, Moberly, Pine and Beatton Rivers.	May – November 2012
Engineering Investigations – Construction Materials Investigations	BC Hydro is conducting investigations to confirm sources of construction materials for the Site C dam and project components at Portage Mountain, approximately 14 kilometres west of Hudson's Hope. The studies will include subsurface investigations, as well as evaluating the terrain and vegetation conditions in order to investigate potential alignments for access roads. To conduct the drilling program, a heli-portable drill rig will be used. Prior to the start of any drilling, BC Hydro will carry out archaeological and environmental assessments. To investigate access road alignments, field crews will be looking at the terrain and vegetation to assess the alignments for access roads. This work involves either walking proposed access routes, or using a helicopter to conduct an aerial assessment.	August – September 2012
Engineering Investigations – Geotechnical Investigations and Instrumentation Monitoring	To gather more information about ground conditions, BC Hydro is continuing geotechnical investigations at the proposed dam site area. The study will include subsurface investigations involving using a drill rig to drill holes. Prior to the start of any drilling, BC Hydro will carry out archaeological and environmental assessments. In most of the drill holes, geotechnical instruments will	May – September 2012

	be installed to monitor ground movement and groundwater levels. There are approximately 80 sites throughout the reservoir area where geotechnical instruments are installed. These sites are visited approximately every three to six months throughout the year for reading and maintenance. Over the spring and summer months, some instrumentation sites will have data loggers installed. During the first one to three months following, monthly manual readings may be taken to verify that the instruments are functioning correctly. Subsequently, regular inspections, manual readings and maintenance of instrumentation and data loggers will be carried out every three to six months. This program consists of investigations on both private and Crown land. To maximize safety and efficiency, helicopters will be used periodically to access the south bank at the dam site for the subsurface investigations, as well as instrumentation sites along the south bank.	
Engineering Investigations – Adit Construction	BC Hydro will commence construction on an adit on the south bank of the Peace River at the dam site. This work will include the excavation of the adit and the installation of ventilation and lighting. Site preparation activities, including environmental and archaeological investigations, were completed this spring. A track mounted roadheader mining machine and track mounted and rubber tired support vehicles will be used during the construction. Access to the site will be through existing roads on the south bank of the Peace River.	June – October 2012

Note: Access to public and private land may be required in order to complete study work. BC Hydro will obtain permission from land owners and provide notification to BC Hydro leaseholders before entry onto private or leased lands.

FISH AND AQUATICS

Stage 3 of the Site C Clean Energy Project (Site C) is the environmental and regulatory review phase. As part of an environmental assessment of Site C, BC Hydro will identify and assess potential project effects — environmental, economic, social, heritage and health — 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.

This study update provides an overview of work completed to date and currently underway and is current as of fall 2011. Future studies may be changed or revised in scope or timing on the basis of input from regulators, government agencies, First Nations, stakeholders and the public as part of the pre-application stage of the environmental assessment process.

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.

DEFINITION

In total 31 species of fish have been recorded in the Peace River in the vicinity of the proposed Site C. The most abundant species is mountain whitefish, followed by long nose sucker and the minnow group. None of the 31 fish species are listed under the federal *Species at Risk Act (SARA*).

STUDY PURPOSE

The purpose of the fish and aquatic study program is to collect data to further our knowledge and understanding of the Peace River ecosystem. This data will be used to assess potential environmental effects associated with the proposed project construction and operation activities. The potential changes to fish and aquatic habitat will be assessed using baseline data collected during Stage 1, 2 and 3, through modelling, and information from other reservoirs during the environmental assessment. The study information will also be used to explore mitigation options to avoid or minimize potential environmental effects, where possible.

STATUS OF STUDIES

Consultation

The following feedback was received during Stage 2 consultation:

- First Nations and local, provincial and federal government agencies provided input into a review of the Stage 2 fish and aquatic program as part of the Fish and Aquatics Technical Advisory Committee (TAC). The Fish and Aquatics TAC emphasized the importance of management objectives as a means of assisting a future environmental assessment. The regional office of the BC Ministry of Environment committed to establishing regional management objectives for the project. The Peace River Management Objectives are currently being drafted by the Ministry.

- more -

- During Stage 2 Project Definition Consultation conducted in May/June and October/November 2008:
    - Issues about changes to aquatic ecosystems and fish populations were raised by participants. BC Hydro will continue to focus on understanding fisheries resources and productivity of aquatic ecosystems. Participants were concerned with changes on water quality, including mercury, and changes to fish and aquatic life. Partly in response to public concerns expressed about methyl mercury, BC Hydro added an additional component to existing Peace River fish studies to collect water, soil, vegetation and fish tissue samples to test for baseline mercury levels. A methyl mercury assessment to assess the potential levels of methyl mercury in the Peace River ecosystem is part of Stage 3 studies.
    - Participants commented that BC Hydro should build fish ladders to ensure fish can safely move past the dam. Fish ladders are just one technical option that could be considered to fulfill the objective of moving fish effectively past the proposed dam. During Stage 3, BC Hydro will conduct a feasibility assessment for potential fish passage.

During Stage 3, consultation results will be considered, along with financial and technical input, as the Site C project moves forward through the regulatory review stage and refines project plans.

Stage 3 Work

During Stage 3, studies have been adjusted in response to input received during Stage 2 consultation to provide further information regarding fish community, aquatic productivity and the behaviour of methyl mercury.

The following is a summary of the field work underway as part of the 2010/2011 season. The location of aquatic study areas generally includes Dinosaur Reservoir and the Peace River from Hudson's Hope into Alberta, and local tributaries within the proposed reservoir area.

Peace, Moberly and Halfway Rivers Fish Inventories Study

The 2010/2011 fish inventories build on data from previous years to expand knowledge of the Peace River, Halfway and Moberly River fish communities and contribute to existing baseline data and the current understanding of fish and fish habitat in the Site C study area. The studies describe the seasonal distribution and relative abundance of fish populations, biological characteristics and fish community assemblages.

The sampling sections have been selected because they represent fish habitats located in the major reaches of the rivers and they provide good spatial coverage of the study area.

The Peace River study period occurs during three seasons: spring (May); summer (August); and fall (October). The Moberly and Halfway inventory occurs in summer (August) during low flow conditions. A variety of sampling methods are employed, including boat electrofishing, backpack electrofishing, beach seining and gill nets. The spring and summer inventories are completed, and the fall inventory will be completed in October 2011.

Peace, Moberly and Halfway Rivers Fish Rotary Screw Trap Study

Building on the 2010 study, the 2011 study will build understanding of the movement of fish in the Peace River and its tributaries. The 2010 study evaluated the usefulness of the rotary screw trap to sample migrating fish in the Peace River and Moberly River. The study successfully documented the abundance and timing of fish movement downstream from the Moberly River into the Peace River, and in the Peace River past the proposed Site C dam site. In 2011, the program was expanded to include two rotary screw traps in the Halfway River. The study will further describe the biological characteristics and relative abundance of fish collected by the rotary screw traps.

There were five rotary screw traps placed in the lower sections of the Halfway River (two) and Moberly (one) River, and in the Peace River (two). The rotary screw traps are operational from May through October.

Peace River Aquatic Productivity and Modelling Study

Initiated in 2010, the study collected seasonal baseline data to gain an understanding of the current levels of invertebrate, primary production and nutrient dynamics in the Peace River system; and assess, determine and run the appropriate predictive modelling for assessing productivity in the current and post reservoir aquatic environment. In 2011, the study assessed current levels of aquatic productivity to assist in predicting productivity changes resulting from reservoir creation.

The 2011 field sampling plan included the same sampling sites used during the 2010 study: Williston and Dinosaur Reservoirs and the Peace, Halfway, Moberly, Pine and Beatton Rivers.

The summer sampling is completed, and fall sampling will be completed in October 2011.

Peace River Mercury and Modelling Study

In 2010, a mercury study approach was developed, and samples of water, sediment, aquatic invertebrates, fish, soil and vegetation were collected and analyzed for mercury content. Again in 2011, additional field data was collected to fill data gaps and provide additional baseline information. The baseline information, along with other physical environment data, will be used in a predictive mercury model. A complex mechanistic mercury model that has been used on other large hydroelectric development projects will be calibrated for Site C to predict the concentrations of mercury in fish and the aquatic environment over time. Mercury modelling work started in September 2011.

Stage 3: Consultation

The Site C project requires environmental certification and other regulatory permits and approvals before it can proceed to construction.

The Stage 3 environmental and regulatory review process will include opportunities for consultation and input by the public, Aboriginal groups, communities, property owners and stakeholders.

In addition to the consultation opportunities led by the environmental regulatory agencies within the environmental assessment process, BC Hydro will lead several streams of public and stakeholder consultation during Stage 3:

- Regional and Local Government Liaison
- Property Owner Liaison
- Local Area Consultation
- Preliminary Design Consultation

BC Hydro and Aboriginal groups are also engaged in a thorough consultation process that will continue through all stages of the project.

How Input Will Be Used

A Consultation Summary Report will be prepared and released on the project website following each consultation period and Consideration Memos will be prepared, indicating how input has been considered, along with technical and financial information, for project designs or plans, including engineering and environmental mitigation plans.

FURTHER INFORMATION

The following information can be found at www.bchydro.com/sitec:

1. Field Studies Notices – Monthly updates on field studies.
2. Site C Clean Energy Project: Project Description Report. BC Hydro. 2011. (pages 70-75).
3. Stage 2: Consultation and Technical Review. 2009. (pages 81-84).
4. Peace River Fisheries Investigation Peace River and Pine River Radio Telemetry Study 2009. 2010.
5. Site C Fisheries Studies Halfway River and Moberly River Fall Mountain Whitefish Migration and Spawning Study 2009. 2010.
6. Site C Fisheries Studies Halfway River and Moberly River Summer Fish Survey (2009). 2010.
7. Site C Fisheries Studies Peace River Fish Inventory 2009. 2010.
8. Analysis and Assessment of the Ministry of Environment's Peace River Bull Trout and Arctic Grayling Radio Telemetry Database 1996 to 1999. 2010.
9. Peace River Site C Angling and Recreation-Use Creel Survey 2008-2009 Final Report. 2010.
10. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2008. 2009.
11. Site C Fisheries Studies – Baseline Peace River Tributaries Fish Use Assessments in Spring and Fall 2008. 2009.
12. Site C Fisheries Studies – Juvenile Fish and Fish Habitat Inventory of Peace River Tributaries in Summer 2008. 2009.
13. Site C Fisheries Study – Upper Halfway River Watershed Bull Trout Spawning Survey 2008. 2009.
14. Site C Peace River – Mercury Levels in Peace River Fish Tissue – Data Report 2008. 2009.
15. Peace River Fisheries Investigation – Peace River and Pine River Radio Telemetry Study 2007. 2008.
16. Project Definition Consultation Discussion Guide and Feedback Form Round 2. October/November 2008. (pages 22-23).
17. Site C Feasibility Review: Stage 1 Completion Report. 2007. (pages 46 and 53-54).

INQUIRIES

Updates on field studies are available at www.bchydro.com/sitec and in the Community Consultation offices in Fort St. John and Hudson's Hope.

For further information, please contact:
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INFORMATION SHEET

ACCESS TO GENERATING STATION AND CONSTRUCTION SITE

The 30-year-old historic design for Site C included a proposal to construct an operations and maintenance bridge across the Peace River, about four kilometres downstream of the dam site. The proposed bridge was to be built for transporting construction materials and equipment across the river during construction, and for maintenance access to the generating station after construction. The historic design did not include a plan for public access over the bridge.

Stage 2 Consultations

In response to stakeholder feedback, BC Hydro included the topic of potential public access to the bridge as part of its Stage 2 consultation program. Some consultation participants in Fort St. John and Chetwynd saw public access to the bridge as a key benefit, but other participants in Hudson's Hope and Dawson Creek expressed concerns about the bridge due to the potential effect it might have on reducing traffic and visitors to their communities. Aboriginal groups also expressed a concern that public access over the bridge would enlarge the project footprint and increase activity on the south bank of the river where they currently exercise Treaty rights.

Project Design Upgrades

Updating the 30-year-old historic design has been a priority of BC Hydro's early Stage 3 work. Key design upgrades have resulted in improved foundation stability, enhanced spillway safety, greater seismic protection, and additional generating capacity.

As part of these upgrades, the spillway and generating station are in different positions than in the historic design and access to the generating station after construction is now best provided across the dam from the north bank, rather than by a downstream bridge to the south bank. As a result, an operations and maintenance bridge to access the generating station is no longer required.

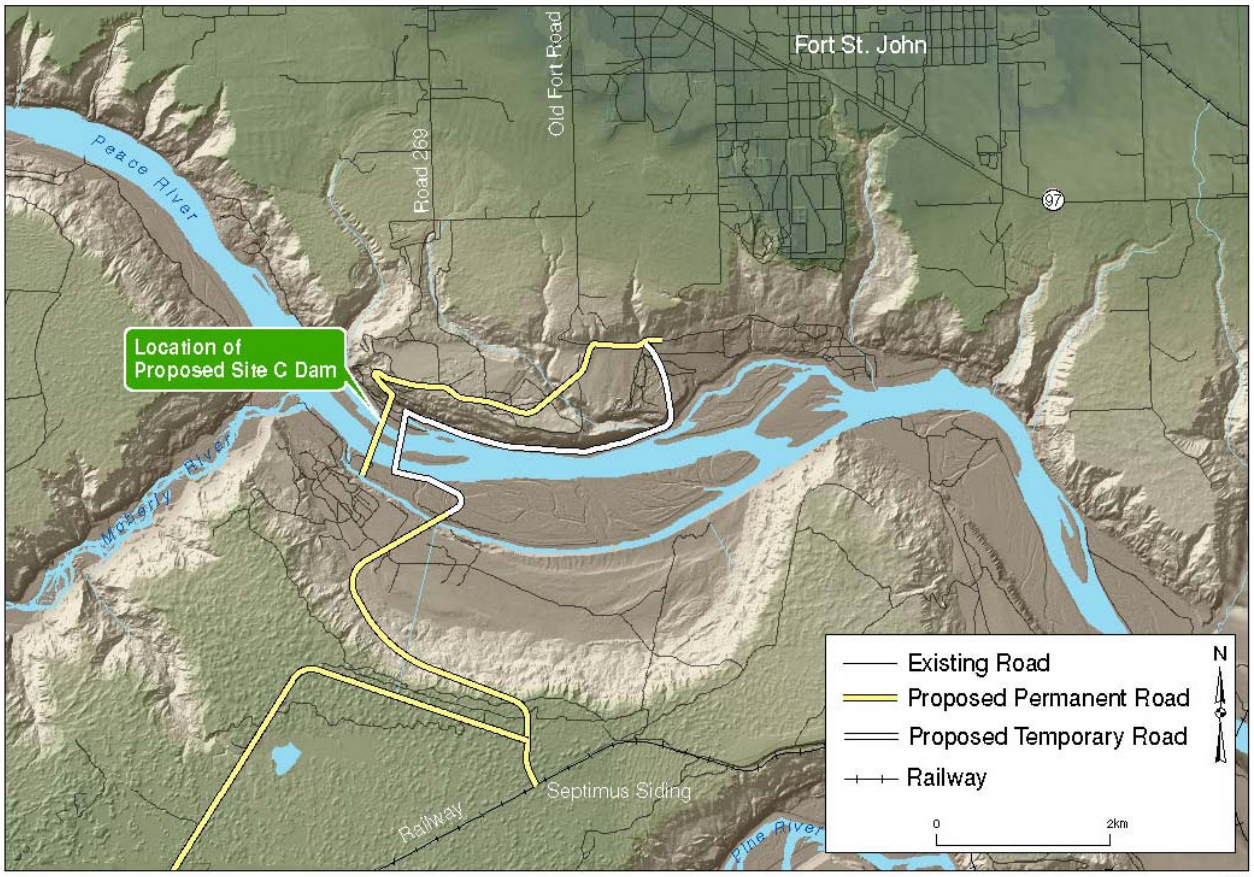
Construction Access

For access to the dam during construction, the upgraded project design proposes a temporary access bridge close to the dam site, which would be removed prior to the end of construction. A temporary access bridge was identified as the best option based on cost, environmental and safety considerations, and construction schedule.

There are specific advantages to providing access to the generating station across the dam rather than a maintenance bridge downstream. The project footprint is smaller without the permanent maintenance bridge, and there will be no effect on the large island downstream that is used by moose, elk and deer. In addition, a temporary access bridge is more cost-effective.

- more -

PROPOSED CONSTRUCTION ACCESS FOR SITE C



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ABOUT BC HYDRO

British Columbia is growing, and so is the need for electricity. BC Hydro is dedicated to meeting at least 66 per cent of the province's future electricity needs through conservation by 2020. But in order to meet the remaining demand and continue to ensure a clean, reliable supply of energy, BC Hydro is investing now in the projects that are needed to keep the lights on in B.C. for future generations.

More information on Site C can be found at: www.bchydro.com/sitec.

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Field Studies Information Sheet

PEACE RIVER SITE C HYDRO PROJECT

Mule Deer, Moose and Elk Monitoring Program

BC Hydro will be initiating a mule deer, moose and elk monitoring study early in 2010. The purpose of this study is to further BC Hydro's understanding of ungulate habitat use and movement patterns in the Peace River valley.

The study will be completed in three phases:

- Phase I: capture and collaring
- Phase II: monitoring, data collection, analysis
- Phase III: recapture for collar recovery

The Ministry of Environment, on behalf of BC Hydro, will be leading the Phase I capture and collaring activities from January to March 2010. Up to 70 animals will be captured and outfitted with GPS collars (30 mule deer, 20 moose and 20 elk) in the Peace River valley between Hudson's Hope and the Alberta border.

The second phase of the program involves tracking collared animals and their habitat use and movement for up to two years. Ground surveys will also be collected during the birthing and winter seasons to support and complement the monitoring data.

The third phase will involve removing the collars at the end of the study.

The study area focuses along the Peace River from Hudson's Hope to the Alberta border. Areas targeted for animal capture and collaring will focus within approximately one kilometre on either side of the Peace River. BC Hydro will seek permission prior to any entries onto private land during the course of this program.

Because much of the information currently known about the potential Site C project is almost 25 years old, information from new field studies is required. No decision has been made to build Site C.

SITE C FIELD STUDIES
MULE DEER, MOOSE AND ELK STUDY PROGRAM
Winter 2010 – Winter 2012

- BC Hydro is conducting a mule deer, elk and moose study starting in January 2010. The first phase of the program will run from January 1 to March 31, 2010.
- The study area is the Peace River valley between Hudson's Hope and the Alberta border, with collaring focused within approximately one kilometre of the Peace River.
- BC Hydro will seek permission before entering any private land.

Further information is available at **www.bchydro.com/sitec** and in the Community Consultation Office: 9948 – 100th Avenue, Fort St. John.

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www.bchydro.com/sitec

For further information, please contact:
Kate O'Neil
Community Relations, Site C Project
9948 – 100th Ave., Fort St. John, BC V1J 1Y5
(250) 785 – 3420

Field Studies Information Sheet

PEACE RIVER SITE C HYDRO PROJECT

BC Hydro is conducting field studies to assess existing slope monitoring instruments and confirm geological features at locations near the Peace River between Fort St. John and Hudson's Hope

BC Hydro is conducting field studies to perform a condition assessment of slope monitoring instruments and to confirm and document surface geology at various sites along the north and south banks of the Peace River.

Land access will be required over public and private land in order to complete this survey work. BC Hydro will obtain permission from land owners and leaseholders before accessing private property.

Because much of the information currently known about the potential Site C project is almost 25 years old, information from new field studies is required to update engineering, environmental studies, and other technical work.

No decision has been made to build Site C. BC Hydro is taking a stage-by-stage approach to the evaluation of the potential project and is currently in Stage 2 – Project Definition and Consultation. This stage involves further project definition, including environmental, engineering and socio-economic studies, as well as public consultation.

Field study updates are available on the website at **www.bchydro.com/sitec** and in the Community Consultation Office: 9948 100th Avenue, Fort St. John.

SITE C FIELD STUDIES
GEOLOGICAL STUDIES: JULY 14 -25, 2008

Crews will visit the following sites during the last two weeks of July:

- Various areas on the north and south banks of the Peace River, upstream from site of the potential Site C dam
- Various areas in the Highway 29 corridor

Crews of 2-3 people will be accessing sites by vehicle and foot on public roads and private property. Helicopters may be used where vehicle access is not possible.

There will be no drilling or construction machinery used. Work will include running probes to existing instrumentation to take readings where possible.

For further information, please contact:
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Community Relations Manager, Site C Project
9948 - 100th Ave., Fort St. John, BC V1J 1Y5
(250) 785-3415 office
(250) 612-9143 cell

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POWERING B.C. WITH CLEAN, RELIABLE ELECTRICITY FOR GENERATIONS

SPRING 2012

SITE C | CLEAN ENERGY PROJECT

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SITE C AT-A-GLANCE

DAM

Type: Earthfill dam
Height: 60 metres above riverbed
Length: 1,050 metres
Energy: 5,100 GWh/yr.
Capacity: Up to 1,100 MW

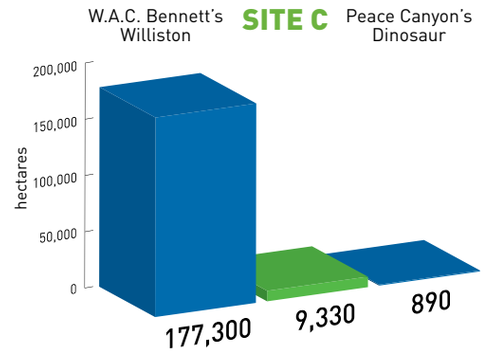
RESERVOIR

Total Reservoir Surface Area:
Approximately 9,330 hectares

Total Flooded Land:
Approximately 5,550 hectares

Length: 83 kilometres
Width: 2-3 times the current river (on average)

RESERVOIR FOOTPRINTS



ABOUT SITE C

SITE C IS A PROPOSED THIRD DAM AND HYDROELECTRIC GENERATING STATION ON THE PEACE RIVER IN NORTHEAST B.C.

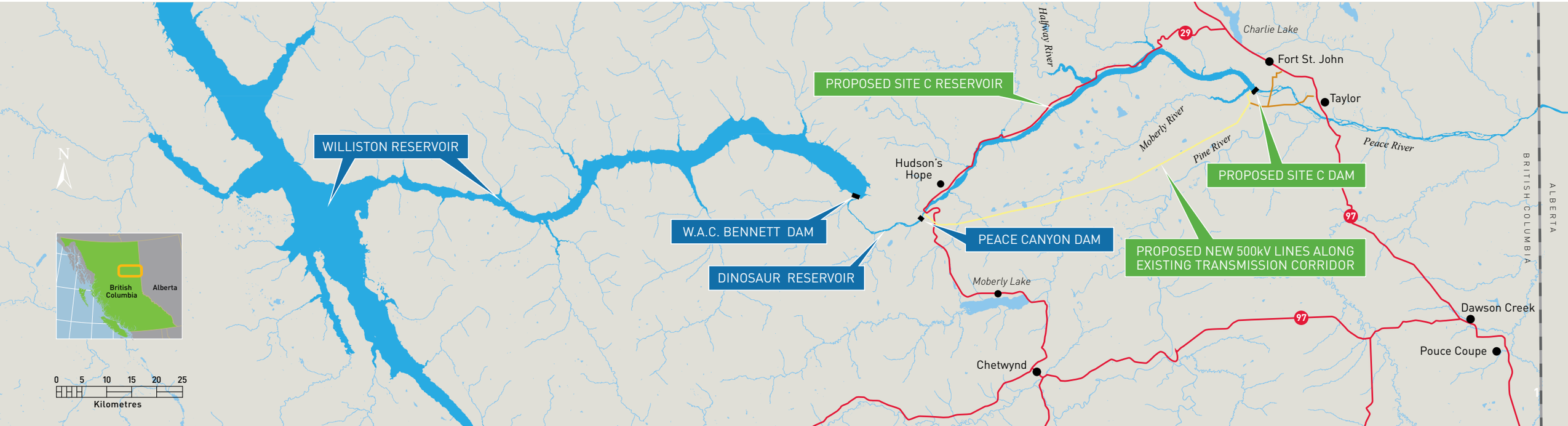
Site C is being proposed as part of BC Hydro's overall program to invest in and renew the province's electricity system.

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

As the third project on one river system, Site C would gain significant efficiencies by taking advantage of water already stored in the Williston Reservoir. This means that Site C would generate approximately 35 per cent of the energy produced at W.A.C. Bennett Dam, with only five per cent of the reservoir area.

BC Hydro has adopted a multi-stage planning and evaluation process for Site C. The project is currently in the environmental and regulatory review phase (Stage 3), which includes an independent environmental assessment process.

Subject to approvals, Site C would be a source of clean, reliable and cost-effective electricity in B.C. for more than 100 years.



B.C.'S FUTURE ELECTRICITY NEEDS

B.C. IS GROWING AND SO IS OUR DEMAND FOR ELECTRICITY.

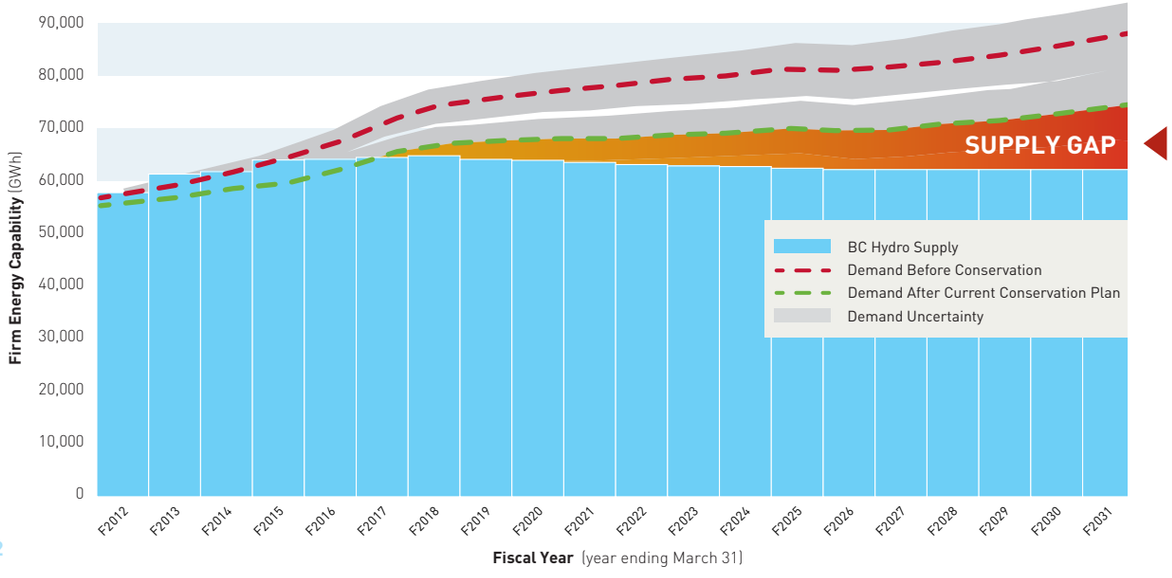
BC Hydro forecasts that the province's electricity needs will grow by approximately 50 per cent over the next 20 years. This increase in demand is being driven by a projected population increase of more than one million residents and economic expansion.

As extensive as BC Hydro's electricity supply is, it will not be enough to meet B.C.'s future electricity needs if demand continues to grow as projected.

To meet B.C.'s future electricity needs, BC Hydro is encouraging conservation, upgrading its facilities, building new transmission and distribution infrastructure, and investing in new supplies of clean energy (e.g., wind, run-of-river hydro, bioenergy).

With Site C, BC Hydro is planning now so that British Columbians will continue to benefit from clean, reliable and cost-effective electricity in the future.

DEMAND/SUPPLY OUTLOOK



ENVIRONMENTAL AND REGULATORY REVIEW

THE ENVIRONMENTAL ASSESSMENT PROCESS FOR SITE C IS THOROUGH AND INDEPENDENT.

Site C is in the early stages of a cooperative environmental assessment process by the B.C. Environmental Assessment Office (EAO) and the Canadian Environmental Assessment Agency (CEA Agency), which includes a joint review panel.

The environmental assessment process commenced in August 2011 and is anticipated to take approximately three years.

As part of the environmental assessment, BC Hydro is identifying and assessing potential project effects — environmental, economic, social, heritage and health — and opportunities to provide lasting benefits for the region and Aboriginal groups. Where effects cannot be avoided, BC Hydro is identifying and evaluating options for mitigation.

Site C 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.

ENVIRONMENTAL ASSESSMENT TIMELINE

Pre-Panel Review 24 months

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

Joint Review Panel and Report 8 months

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

Review of Panel Report and Decision 6 months

- Draft Referral Package Preparation (EAO)
- Steering Committee Review (EAO, CEA Agency, Responsible Authorities)
- Decision by Ministers/ Cabinet

ABORIGINAL CONSULTATION AND ACCOMMODATION DISCUSSIONS

STAGE 3 STUDY TOPICS

BC HYDRO IS UNDERTAKING OR PLANNING A NUMBER OF STUDIES AS PART OF THE ENVIRONMENTAL ASSESSMENT.

The environmental review of Site C includes studies on environmental, economic, social, heritage and health topics. A summary is listed below.

ENVIRONMENTAL

Environment
- Land
- Water
- Air
- Electric and Magnetic Fields

Fish and Fish Habitat

Vegetation and Plant Communities

Wildlife Resources
- Butterflies and Dragonflies
- Amphibians and Reptiles
- Migratory Birds
- Non-Migratory Game Birds
- Raptors
- Bats
- Furbearers
- Ungulates

Greenhouse Gases

ECONOMIC AND LAND AND RESOURCE USE

Economic
- Local Government Revenue
- Labour Market
- Regional Economic Development

Traditional Lands and Resource Use
- Current Use of Lands and Resources for Traditional Purposes

Land and Resource Use
- Agriculture
- Forestry
- Oil, Gas and Energy
- Minerals and Aggregates
- Harvest of Fish and Wildlife Resources
- Outdoor Recreation and Tourism
- Navigation
- Visual Resources

SOCIAL, HERITAGE, AND HEALTH

Social
- Population and Demographics
- Housing
- Community Infrastructure and Services
- Transportation

Heritage Resources
- Palaeontological, Archaeological and Historic Resources

Health
- Human Health

ENGINEERING PLANS

- Clearing
- Construction Access Roads
- Construction Materials
- Dam Site Investigations
- Geotechnical Conditions
- Highway 29 Realignment
- Reservoir Impact Lines
- Worker Accommodation

The above list of studies is a summary only. It is not an exhaustive list. The list of studies may change as a result of input from regulators, government agencies, Aboriginal groups and the public.

STAGE 3 CONSULTATION

THROUGHOUT STAGE 3 THERE WILL BE OPPORTUNITIES FOR CONSULTATION AND INPUT BY THE PUBLIC, COMMUNITIES, ABORIGINAL GROUPS, PROPERTY OWNERS AND STAKEHOLDERS.

BC Hydro is leading several streams of public and stakeholder consultation during Stage 3. These BC Hydro-led consultations are separate from the consultation opportunities provided by the cooperative federal-provincial environmental assessment process. BC Hydro-led consultations include:

Regional and Local Government Liaison: BC Hydro is engaging key municipal, regional and provincial government stakeholders.

Property Owner Liaison: BC Hydro is providing information to and gathering input from property owners and leaseholders in the Site C project area.

Local Area Consultations: BC Hydro will be conducting area-specific consultations where local issues arise (e.g., Hudson's Hope berm).

Project Definition Consultation: BC Hydro is conducting broad public and stakeholder consultations in the spring and fall of 2012 on a range of topics (e.g., Highway 29 realignment, recreation).

Aboriginal Consultation and Engagement: BC Hydro and Aboriginal groups are engaged in a thorough consultation and engagement process that continues through all stages of the project.

CONSULTATION AND THE ENVIRONMENTAL ASSESSMENT PROCESS

Consultation is a key part of the cooperative federal-provincial environmental assessment process.

Several public comment periods will take place as part of the environmental assessment process. These include a public comment period in the spring of 2012 on the nature and scope of environmental studies (Environmental Impact Statement Guidelines).

In addition, there will be consultations on BC Hydro's Environmental Impact Statement (Application).

PROJECT DESIGN FEATURES

AS PART OF BC HYDRO'S EARLY STAGE 3 WORK, THE SITE C PROJECT DESIGN WAS UPDATED TO MEET CURRENT SEISMIC, SAFETY AND ENVIRONMENTAL GUIDELINES.

The Site C project design includes the following key project components:

- An earthfill dam, approximately 1,050 metres long and 60 metres high above the riverbed.
- A generating station with six 183 MW generating units.
- An 83-kilometre-long reservoir that would be, on average, two to three times the width of the current river.
- The realignment of up to six segments of Highway 29 over a total distance of up to 30 kilometres.
- A berm at Hudson's Hope along the shoreline.
- Two new 500 kilovolt AC transmission lines that would connect the Site C facilities to the existing Peace Canyon Substation, along an existing right-of-way.
- Access roads in the vicinity of the site and a temporary construction access bridge across the Peace River at the dam site.
- Construction of two temporary cofferdams across the main river channel to allow for construction of the earthfill dam.
- Worker accommodation options include two construction camps at the dam site, with other workers being housed off site and in the region.

Key Design Features

Site C design upgrades include the following features:

- The south valley wall under the dam, the generating station and the spillway are reinforced with a long concrete buttress to improve foundation stability and provide greater seismic protection.
- An overflow auxiliary spillway enhances safety so that even if the plant loses all power, it can safely pass the upstream flows.
- A centre wall divides the gated spillway into two sections, allowing either section of the spillway to be maintained or repaired, while retaining spill capacity in the other section.
- Larger turbines result in increased generating capacity. This provides improved capability for BC Hydro to meet winter peak loads, and allows for greater integration of intermittent renewable sources, such as wind.

SUPPORTING RENEWABLES

To facilitate the development and use of clean and renewable electricity sources, there is a need to back up intermittent sources — such as wind and run-of-river hydro — with reliable capacity.

As a dependable and flexible resource, Site C would be able to quickly increase or decrease generation to match the availability of intermittent resources.

A COST-EFFECTIVE RESOURCE OPTION

LARGE HYDRO PROJECTS HAVE A SIGNIFICANT UPFRONT CAPITAL COST, LOW OPERATING COSTS, AND A LONG LIFE OF MORE THAN 100 YEARS.

Site C would have an estimated capital cost of $7.9 billion, and it would produce electricity at a cost between $87 and $95 per megawatt hour at the point of interconnection.

This would make Site C among the most cost-effective resource options to help meet B.C.'s future electricity needs. Site C would also provide significant additional benefits such as reliable capacity and flexibility.

There is no effect on today's rates from Site C, as costs are deferred until the project begins generating electricity. This ensures that the costs for Site C are paid by the ratepayers who are benefiting from the project.

BC Hydro is committed to keeping rates as low as possible. To reduce the rate impact on customers, BC Hydro anticipates that the costs for Site C would be amortized over a long period. This amortization period and rate impact would be determined through a future regulatory process with the British Columbia Utilities Commission.

REGIONAL ECONOMIC DEVELOPMENT

SITE C WOULD FOSTER ECONOMIC DEVELOPMENT THROUGH CONSTRUCTION-RELATED JOBS AND BUSINESS OPPORTUNITIES.

Site C is estimated to create approximately 7,000 person-years of direct employment during the seven-year construction period. It is estimated to create up to 35,000 direct and indirect jobs through all stages of development and construction.

The construction of Site C would also provide significant business opportunities for small, medium and large businesses, including northern and Aboriginal businesses.

Once in operation, Site C would contribute revenues to the local and provincial governments through water rentals, grants-in-lieu, and other taxes.

Other long-term benefits associated with the Site C project will be determined in Stage 3 in consultation with the public, local governments, Aboriginal groups and the Province.

BC HYDRO'S INTEGRATED ELECTRICITY SYSTEM

BC Hydro delivers electricity to its three customer groups — residential, commercial and industrial — through an interconnected network of over 18,500 kilometres of transmission lines and 57,648 kilometres of distribution lines.

Each of the three customer groups accounts for about one-third of total electricity use in B.C.

As an integrated system, BC Hydro does not pinpoint a single generation resource, such as Site C, to a single customer group. All BC Hydro customers — residential, commercial and industrial — would benefit from the electricity generated by the Site C project.

JOB REQUIREMENTS

Below is a list of just some of the jobs that will be required during the development and construction of Site C.

- **Biologists**
- **Botanists**
- **Carpenters**
- **Cement masons**
- **Culinary workers**
- **Electrical workers**
- **Engineers**
- **Environmental technicians**
- **First aid workers**
- **Foresters**
- **Ironworkers**
- **Labourers**
- **Lab technicians**
- **Machinists**
- **Office personnel**
- **Painters**
- **Pipefitters**
- **Project management**
- **Security personnel**
- **Surveyors**
- **Technologists**
- **Truck drivers**
- **Welders**

LEARN MORE ABOUT SITE C

For more information on Site C,
visit us on the web at **bchydro.com/sitec**.

You can sign up to receive **email updates** on the project.

Companies and individuals can also sign up online
to a **business directory** to receive notification of
business opportunities associated with the project.

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