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January 9, 2020

Mr. Patrick Wruck  
Commission Secretary and Manager  
Regulatory Support  
British Columbia Utilities Commission  
Suite 410, 900 Howe Street  
Vancouver, BC V6Z 2N3

Dear Mr. Wruck:

**RE: Project No. 1598990**  
**British Columbia Utilities Commission (BCUC or Commission)**  
**British Columbia Hydro and Power Authority (BC Hydro)**  
**Fiscal 2020 to Fiscal 2021 Revenue Requirements Application**  
**(the Application)**

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BC Hydro writes to inform the BCUC and interveners of the witness panels that will be put forward for the upcoming oral hearing, starting on January 20, 2019. Attached to this submission is BC Hydro's most recent organizational chart, showing the reporting relationships for the witnesses<sup>1</sup> (**Attachment 1**) as well as direct testimony for each witness (**Attachment 2**).

The witnesses include BC Hydro's President and Chief Executive Officer, five other members of BC Hydro's Executive Team, and a number of other subject matter experts. Our hope and expectation is that these witnesses will collectively be in a position to address the central issues in this proceeding. We look forward to engaging with the BCUC and interveners at the hearing.

**Panel 1 - Policy**

Chris O'Riley	President and Chief Executive Officer
David Wong	Executive Vice President, Finance, Technology, Supply Chain Business Group and Chief Financial Officer

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<sup>1</sup> Alicia Pinksen, John Rich, Kristin Hanlon and Bruce Chow do not appear on this organizational chart. Ms. Pinksen and Mr. Rich are both Senior Managers in the Energy Planning and Analytics Key Business Unit (**KBU**) and report to Mr. Clendinning. Ms. Hanlon is a Senior Manager in the Conservation and Energy Management KBU and reports to Mr. Hobson. Mr. Chow is a Manager in the Generation System Operations KBU and reports to Ms. Matthews.

Mr. O'Riley will deliver a brief opening statement, the text of which will be filed next week.

This panel will answer questions with regards to the Application at a policy level. There may be questions that are better addressed by subsequent witness panels, and in such cases, this panel may refer questions to those panels.

Any questions relevant to the Application on the following topics, which were raised in information requests, should be directed to this panel: BC Hydro's overall mandate, strategic direction, safety strategy, Site C, the company's response to past and present government policy, the outcomes of government's Comprehensive Review Phase 1 and Mr. Ken Davidson's report titled "Zapped - A Review of BC Hydro's Purchase of Power from Independent Power Producers conducted for the Minister of Energy, Mines and Petroleum Resources".

**Panel 2 - Operating Costs, Regulatory Accounts, Information Technology and Other Revenue Requirements**

David Wong	Executive Vice President, Finance, Technology, Supply Chain Business Group and Chief Financial Officer
Janet Fraser	Executive Vice President, People, Customer and Corporate Affairs Business Group
Ryan Layton	Chief Accounting Officer (Finance KBU)
Carolynn Ryan	Chief Human Resources Officer (Human Resources KBU)
Kip Morison	Chief Information Officer (Technology KBU)

This panel will answer questions with regards to Operating Costs and Full Time Equivalents (**FTEs**) at a company-wide level (Chapter 5 and Chapter 5G, with the exception of Chapter 5, section 5.8) as well as specific to the Finance, Technology, Supply Chain Business Group (Chapter 5E) and the People, Customer and Corporate Affairs Business Group (Chapter 5F).

This panel may refer questions on operating costs that are specific to the Operations Business Group (Chapter 5C) to Panel 3 and questions on operating costs that are specific to the Integrated Planning Business Group (Chapter 5A) and the Capital Infrastructure Project Delivery Business Group (Chapter 5B) to Panel 4. Questions with regards to Maintenance costs should be directed to Panel 4. Due to a recent re-organization, questions with regards to the operating costs of the Power Acquisitions and Contract Management KBU (Chapter 5F, section 5F.7) should be directed to Panel 3.

This panel will also answer questions with regards to Technology Capital Planning and Delivery (Chapter 6, section 6.5), Regulatory Accounts (Chapter 7) and Other Revenue Requirements (Chapter 8).

### **Panel 3 – Load Forecast and Cost of Energy and Operations Business Group**

Charlotte Mitha	Executive Vice President, Operations Business Group
Maureen Daschuk	Senior Vice President, Integrated Planning Business Group
Heather Matthews	Director, Generation System Operations KBU
Bruce Chow	Manager, Independent Power Producer Portfolio Management, Generation System Operations KBU
Bill Clendinning	Director, Energy Planning and Analytics KBU
John Rich	Senior Manager, Load Forecasting, Energy Planning and Analytics KBU

This panel will answer questions with regards to the Load and Revenue Forecast (Chapter 3), the Cost of Energy (Chapter 4), how BC Hydro operates the system, and the Operating Costs of the Operations Business Group (Chapter 5C). This panel will also answer questions with regards to the operating costs of the Power Acquisitions and Contract Management KBU (Chapter 5F, section 5F.7).

### **Panel 4 – Capital Planning, Capital Delivery and Maintenance Costs and Integrated Planning Business Group and Capital Infrastructure Project Delivery Business Group**

Maureen Daschuk	Senior Vice President, Integrated Planning Business Group
Al Leonard	Senior Vice President, Capital Infrastructure Project Delivery Business Group
Melissa Holland	Vice President, Project Delivery KBU
Ajay Kumar	Director, Line Asset Planning KBU
Andy Darby	Director, Stations Asset Planning KBU
Alicia Pinksen	Senior Manager, Portfolio Optimization and Management, Energy Planning and Analytics KBU

This panel will answer questions with regards to Capital Planning and Capital Delivery (Chapter 6, with the exception of section 6.5) as well as Maintenance costs (Chapter 5, section 5.8). The panel will also answer questions specific to the Operating Costs of the Integrated Planning Business Group (Chapter 5A) and the Capital Infrastructure Project Delivery Business Group (Chapter 5B).

Questions with regards to Technology Capital Planning and Delivery (Chapter 6, section 6.5) should be directed to Panel 2.

## Panel 5 – Demand Side Management

Stephen Hobson	Director, Conservation and Energy Management KBU
Kristin Hanlon	Senior Manager, Strategic Planning, Evaluation and Measurement and Verification, Conservation and Energy Management KBU

This panel will answer questions with regards to BC Hydro's demand-side management activities (Chapter 10).

If you, or any intervener, has questions about these panels or would like to clarify what panel to direct particular questions to, please contact Chris Sandve at 604-974-4641 or by email at [bchydroregulatorygroup@bchydro.com](mailto:bchydroregulatorygroup@bchydro.com).

Yours sincerely,



(for) Fred James  
Chief Regulatory Officer

cs/rh

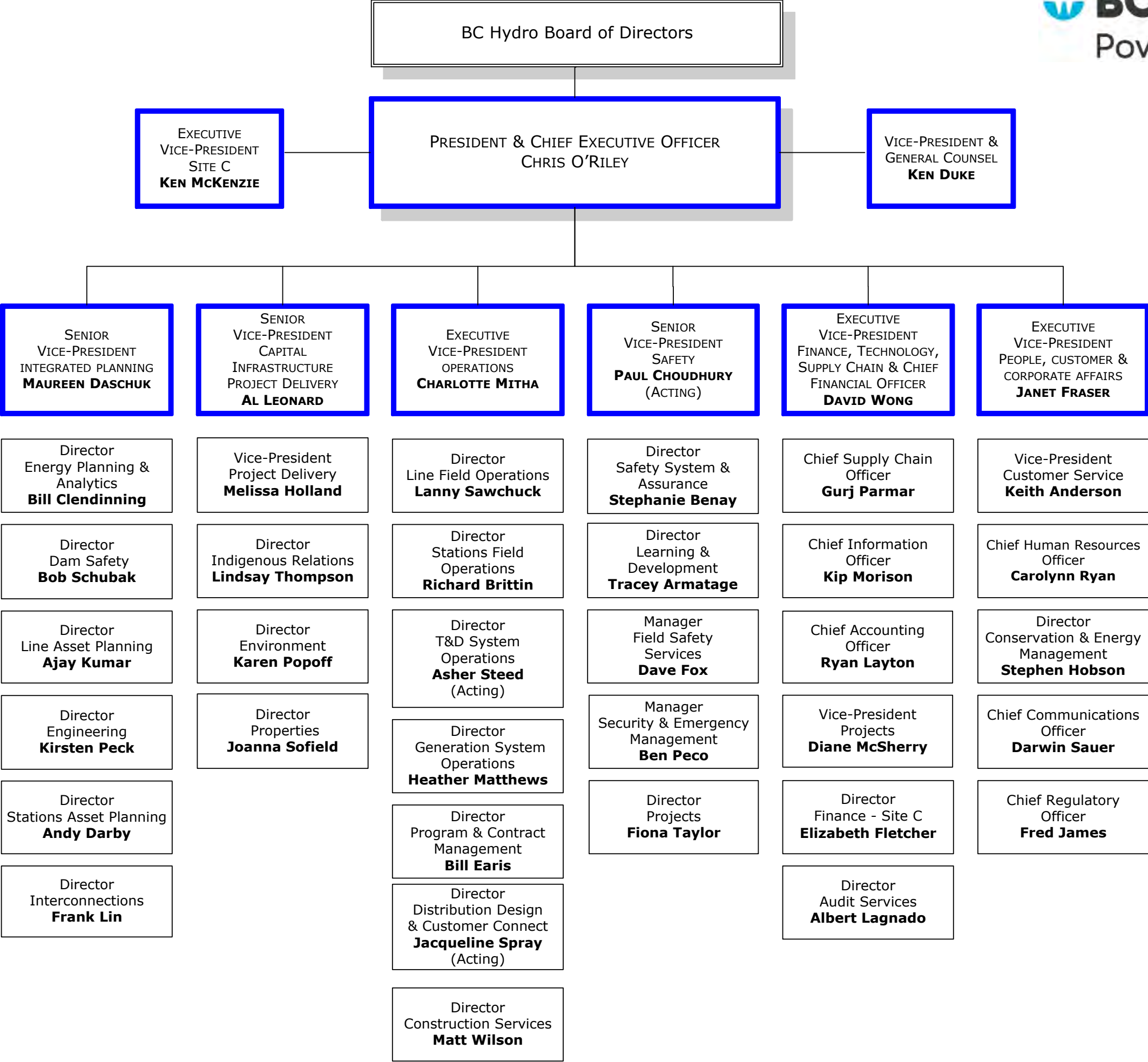
Enclosure

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# **BC Hydro Fiscal 2020 to Fiscal 2021 Revenue Requirements Application**

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## **Attachment 1 Organizational Chart**



**\*\*SUBSIDIARIES\*\***

**POWEREX CORP**

**POWERTECH LABS**

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# **BC Hydro Fiscal 2020 to Fiscal 2021 Revenue Requirements Application**

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## **Attachment 2**

### **Witness Direct Testimonies**

**Direct Testimony of Chris O’Riley**  
**January 20, 2020**

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1 **Q1. Please state your name and present position**

2 A1. My name is Chris O’Riley. I am the President and Chief Executive Officer of  
3 BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. I became the President and Chief Executive Officer in September 2019. I was  
6 the President and Chief Operating Officer from July 2017 to August 2019.

7 **Q3. How long have you been with BC Hydro?**

8 A3. I joined BC Hydro in 1990.

9 **Q4. What other positions have you held with BC Hydro and during what**  
10 **period?**

11 A4. Prior to becoming the President and Chief Operating Officer, I was the Deputy  
12 CEO and Executive Vice-President of Capital Infrastructure Project Delivery  
13 from 2015 to 2017. Prior to that, I was the Executive Vice-President of  
14 Generation from 2010 to 2015. A summary of my previous roles at BC Hydro  
15 is attached as Attachment 1 to my witness statement.

16 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

17 A5. I started my career at BC Hydro as an Engineer-in-Training after graduating  
18 from university.



1 **Q6. What are your educational and professional qualifications?**

2 A6. I have a Bachelor of Applied Science degree in Electrical Engineering from  
3 the University of British Columbia, and a Masters of Business Administration  
4 degree from the University of Western Ontario. I am licensed as a  
5 Professional Engineer in the Province of British Columbia.

6 **Q7. Have you previously testified before this Commission or any other**  
7 **public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. Yes. In addition to being involved in a number of BC Hydro applications  
9 before the British Columbia Utilities Commission (**BCUC**) as shown in  
10 Attachment 2, I have been a witness for BC Hydro in the following five BCUC  
11 proceedings:

- 12 • 2003 Inquiry into a Heritage Contract For British Columbia Hydro And  
13 Power Authority's Existing Generation Resources And Regarding  
14 Stepped Rates And Transmission Access;
- 15 • 2004 Call For Tenders For Capacity On Vancouver Island - Review Of  
16 Electricity Purchase Agreement;
- 17 • Fiscal 2004 to Fiscal 2006 Revenue Requirement Application;
- 18 • 2008 Long Term Acquisition Plan; and
- 19 • Fiscal 2009 to Fiscal 2010 Revenue Requirement Application.

20 I was also a witness in a Site C joint review panel before the Canadian  
21 Environmental Assessment Agency and the B.C. Environmental Assessment  
22 Office.

23 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
24 **present proceeding?**

25 A8. As CEO, I set the overall expectation for our organization's participation in  
26 this proceeding and I have led by example by participating fully in the

1 process. Providing clear, transparent evidence is important, and I set the  
2 expectation for all Executive Team members that they needed to be involved  
3 directly in the development and review of evidence for their subject matter  
4 areas. I am writing my opening statement, and I reviewed and provided input  
5 on many of BC Hydro's responses to information requests and other materials  
6 filed in this process.

7 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
8 **you are responsible?**

9 A9. I can speak at a policy level to most aspects of the Application. There may be  
10 questions that are better addressed by other members of the Executive Team  
11 or senior management, and in such cases, I may refer questions to other  
12 witnesses. Any questions pertinent to our Application on the following topics  
13 should be directed to me, not to other witnesses: BC Hydro's overall  
14 mandate, strategic direction, safety strategy, Site C, the company's response  
15 to past and present government policy, government's Comprehensive  
16 Review, and Mr. Ken Davidson's report titled "Zapped - A Review of  
17 BC Hydro's Purchase of Power from Independent Power Producers  
18 conducted for the Minister of Energy, Mines and Petroleum Resources".

19 **Q10. Does this complete your direct testimony?**

20 A10. Yes.

## Career Summary

President and Chief Executive Officer	September 2019 to Present
President and Chief Operating Officer	July 2017 to August 2019
Deputy CEO & Executive Vice-President, Capital Infrastructure Project Delivery	February 2015 to June 2017
Executive Vice-President, Generation	November 2007 to January 2015
Senior Vice-President, Engineering, Aboriginal Relations & Generation	October 2007 to June 2010
Vice-President, Generation Operations	June 2006 to September 2007
Executive Sponsor for Stage 1 Review of Site C	January 2006 to June 2006
General Manager, Coastal Generation	June 2005 to January 2006
Chief Risk Officer, BC Hydro	April 2004 to May 2005
Risk Manager, Powerex	May 1999 to April 2004
Analyst, then Portfolio Manager, Powerex	February 1997 to April 1999
Key Account Management – Analyst, then Sector Manager	May 1995 to January 1997
Telecontrol Supervisor	May 1992 to August 1993
Engineer-in-Training	May 1990 to April 1992

## Participation in Prior Regulatory Processes

Application	Type of Filing	Year	Role
Heritage Contract Inquiry	Oral	2003	Witness
Call for Tenders for Capacity on Vancouver Island – Review of Electricity Purchase Agreement	Oral	2004	Witness
Revenue Requirement Application F2004-F2006	Oral	2004	Witness
Long-Term Acquisition Plan	Oral	2008	Witness
GM Shrum Turbine Replacement Project	Written	2009	Project Sponsor
Stave Falls Spillway Gates Replacement Project	Written	2009	Project Sponsor
Revenue Requirement Application F2009-F2010	Oral	2009	Witness
Fort Nelson Generating Station Upgrade Project	Written	2009	Project Sponsor
Mica Gas Insulated Switchgear Project	Written	2010	Project Sponsor
Hugh Keenleyside Spillway Gate Project	Written	2010	Project Sponsor
Waneta Transaction	Written	2010	Project Sponsor
Ruskin Dam and Powerhouse Upgrade Project Certificate of Public Convenience and Necessity	Written	2011	Project Sponsor
Revenue Requirement Application F2011		2011	NSP Participant
Revenue Requirements Application F2012-F2014		2012	Application Approver
John Hart Generating Station Replacement Project - Certificate of Public Convenience and Necessity	Written	2012	Project Sponsor
Site C Joint Review Panel (Canada Environmental Assessment Agency and British Columbia Environmental Assessment Office)	Oral	2014	Witness
W.A.C. Bennett Riprap Upgrade Project	Written	2015	Project Sponsor
Revenue Requirements Application F2017-F2019		2016	Application Approver
SAP Inquiry	Written	2017	Witness

**Direct Testimony of Bruce Chow**  
**January 20, 2020**

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1 **Q1. Please state your name and present position**

2 A1. My name is Bruce Chow. I am Manager, Independent Power Producer  
3 Portfolio Management, within the Generation System Operations Key  
4 Business Unit at BC Hydro.

5 **Q2. How long have you held your present position?**

6 A2. Since May 2013.

7 **Q3. How long have you been with BC Hydro?**

8 A3. I have been with BC Hydro since 2007.

9 **Q4. What other positions have you held with BC Hydro and during what**  
10 **period?**

11 A4. Prior to my present position, I was a Power Acquisitions Senior Professional  
12 from November 2007 to December 2008, and a Power Acquisitions Technical  
13 Lead from December 2008 to May 2013.

14 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

15 A5. Prior to joining BC Hydro, I was an independent management consultant;  
16 Manager, Business Planning at Vancouver Hospital and Health Sciences  
17 Centre; Senior Consultant with KPMG Management Consulting; and Project  
18 Engineer with CN Rail.

1   **Q6.   What are your educational and professional qualifications?**

2   A6.   I have a Bachelor of Applied Science (Mechanical Engineering) degree from  
3       the University of British Columbia, and a Master of Business Administration  
4       degree from the University of Western Ontario. I am also licensed as a  
5       Professional Engineer in the Province of British Columbia and a Certified  
6       Financial Analyst with the CFA Institute.

7   **Q7.   Have you previously testified before this Commission or any other  
8       public utility/energy regulator? If yes, when and in what proceeding?**

9   A7.   No.

10   **Q8.   What role did you play in the development of BC Hydro's evidence in the  
11       present proceeding?**

12   A8.   I was involved in the preparation of Chapter 4, section 4.7 (Cost of  
13       Non-Heritage Energy) and Chapter 5F, section 5F.7 (Power Acquisitions and  
14       Contract Management Key Business Unit) of the Application. I also drafted or  
15       reviewed a number of the information request responses related to these  
16       chapters.

17   **Q9.   Are there particular sections/areas of BC Hydro's evidence for which  
18       you are responsible?**

19   A9.   Yes. I am responsible for sections of the evidence dealing with BC Hydro's  
20       Electricity Purchase Agreements with Independent Power Producers.

21   **Q10.   Does this complete your direct testimony?**

22   A10.   Yes.

**Direct Testimony of Bill Clendinning**  
**January 20, 2020**

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1 **Q1. Please state your name and present position.**

2 A1. My name is Bill Clendinning. I am Director of the Energy Planning and  
3 Analytics Key Business Unit (**KBU**) at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Approximately 20 months.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 2007.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. I was Senior Manager for Portfolio Services (within the Program and Contract  
11 Management KBU) between October 2016 and approximately March 2018.  
12 Before that, I held the position of Manager, Resource Strategy and  
13 Management between March 2013 and September 2016. Prior to  
14 March 2013, I held the roles of Resource Strategy and Management  
15 Specialist, Manager for Aboriginal Relations and Negotiations, and Senior  
16 Business Strategy Advisor.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. I held various management positions in the telecommunications industry.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I hold a Bachelor of Engineering degree in Engineering Physics from  
3 McMaster University, and a Master of Business Administration degree from  
4 Royal Roads University. I am licensed as a Professional Engineer in the  
5 Province of British Columbia.

6 **Q7. Have you previously testified before this Commission or any other**  
7 **public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. No, though I presented at the workshop at the beginning of this proceeding.

9 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
10 **present proceeding?**

11 A8. I was involved in the preparation of portions of the following chapter and  
12 appendices related to load forecast: Chapter 3 (Load and Revenue Forecast)  
13 of the Application, Appendix G (Fiscal 2017 and Fiscal 2018 Variance  
14 Explanations) of the Application, and Evidentiary Update Appendix G  
15 (Fiscal 2019 Variance Explanations). I was also involved in the preparation of  
16 Appendix O (Electric Load Forecast Report Fiscal 2019 to Fiscal 2024) of the  
17 Application, BC Hydro's June 2019 Twenty Year Forecast, and Chapter 5A,  
18 section 5A.4 (Energy Planning and Analytics KBU) of the Application. I  
19 drafted and reviewed a number of the information request responses related  
20 to these chapters and appendices.

21 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
22 **you are responsible?**

23 A9. Yes. I am responsible for sections of the evidence dealing with load  
24 forecasting and energy planning.

25 **Q10. Does this complete your direct testimony?**

26 A10. Yes.



**Direct Testimony of Andy Darby**  
**January 20, 2020**

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1 **Q1. Please state your name and position.**

2 A1. My name is Andy Darby. I am Director of the Stations Asset Planning Key  
3 Business Unit (**KBU**) at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Almost two years.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 2008.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. Prior to my present position, I was Manager for Generation Asset  
11 Management from 2013 to 2018, Asset Management Specialist (Portfolio  
12 Planning) from 2012 to 2013, Regional Asset Manager (Lower Mainland) from  
13 2009 to 2012, Project Manager from 2008 to 2009, and Management  
14 Professional in Development in 2008.

15 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

16 A5. Before joining BC Hydro, I worked for GKN plc. The roles I held there were  
17 predominantly in the field of aerospace, with a focus on manufacturing and  
18 operations.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I have a Bachelor of Engineering degree and a Bachelor of Commerce  
3 degree from Birmingham University in the United Kingdom. I also have a  
4 Master of Business Administration degree from the University of British  
5 Columbia.

6 **Q7. Have you previously testified before this Commission or any other**  
7 **public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. No.

9 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
10 **present proceeding?**

11 A8. I was involved in the development and review of Chapter 5A, section 5A.6  
12 (Station Asset Planning KBU), Chapter 5, section 5.8 (BC Hydro Is Optimizing  
13 Power System Maintenance), and Chapter 6 (Capital Expenditures) of the  
14 Application and associated appendices, as well as a number of information  
15 request responses related to those chapters and appendices.

16 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
17 **you are responsible?**

18 A9. Yes. I am responsible for the sections of the evidence related to the  
19 maintenance and capital expenditures for the Stations Asset Planning KBU.

20 **Q10. Does this complete your direct testimony?**

21 A10. Yes.

**Direct Testimony of Maureen Daschuk**  
**January 20, 2020**

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1 **Q1. Please state your name and present position.**

2 A1. My name is Maureen Daschuk. I am Senior Vice President, Integrated  
3 Planning at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Since December 2017.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 2009.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. Prior to my present position, I was Director of the Program and Contract  
11 Management Key Business Unit from February 2015 to December 2017. Prior  
12 to that, I was Director of Distribution Project and Program Delivery from  
13 March 2013 to February 2015. I was Director of Transmission and Distribution  
14 Resource Strategy and Management between June 2011 and March 2013.  
15 I joined BC Hydro as General Manager of Transmission and Distribution Field  
16 Support and was in that role between September 2009 and June 2011.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. Prior to joining BC Hydro, I worked for five years in senior roles at TELUS,  
19 including Director of Corporate Strategy and Director of the Project

1 Management Office. Prior to working at TELUS, I worked at Paradata as Vice  
2 President of Strategy. Before that, I worked as a strategy consultant for the  
3 Monitor Group.

4 **Q6. What are your educational and professional qualifications?**

5 A6. I have a Master of Business Administration degree from the University of  
6 Western Ontario.

7 **Q7. Have you previously testified before this Commission or any other**  
8 **public utility/energy regulator? If yes, when and in what proceeding?**

9 A7. No.

10 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
11 **present proceeding?**

12 A8. I was involved in the review of Chapter 3 (Load and Revenue Forecast),  
13 Chapter 5 (Operating Costs), Chapter 5A (Operating Costs – Integrated  
14 Planning Business Group), and Chapter 6 (Capital Expenditures). I also  
15 reviewed information request responses for these chapters related to the  
16 responsibilities of the Integrated Planning Business Group.

17 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
18 **you are responsible?**

19 A9. Yes. I am responsible for sections of evidence on load forecasting, capital  
20 planning, and asset management.

21 **Q10. Does this complete your direct testimony?**

22 A10. Yes.

**Direct Testimony of Janet Fraser**  
**January 20, 2020**

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1 **Q1. Please state your name and present position.**

2 A1. My name is Janet Fraser. I am Executive Vice-President, People, Customer  
3 and Corporate Affairs at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. I first joined the executive team as Senior Vice President, Energy, Regulatory  
6 & Business Planning in 2015. Communications, Human Resources and  
7 Customer Service functions have since been added to my portfolio. I became  
8 Executive Vice President in May 2018.

9 **Q3. How long have you been with BC Hydro?**

10 A3. I have been with BC Hydro since 2003, including the period of time that I was  
11 with British Columbia Transmission Corporation (**BCTC**), which was  
12 integrated back into BC Hydro in 2010.

13 **Q4. What other positions have you held with BC Hydro and during what**  
14 **period?**

15 A4. From 2010 to 2015, I held the position of Director, Regulatory and Chief  
16 Regulatory Officer. While at BCTC between 2003 and 2010, I held various  
17 positions, including Chief Financial Officer and Director of Regulatory Affairs.

1 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

2 A5. Prior to joining BC Hydro, I was with Westcoast Energy from 1991 to 2002  
3 and held the positions of Financial Officer, Controller, and Internal Auditor.  
4 From 1987 to 1991, I was with Fletcher Challenge Canada Ltd. as Internal  
5 Auditor and also Financial Accountant.

6 **Q6. What are your educational and professional qualifications?**

7 A6. I have a Financial Management Diploma from the British Columbia Institute of  
8 Technology. I am a Chartered Professional Accountant.

9 **Q7. Have you previously testified before this Commission or any other**  
10 **public utility/energy regulator? If yes, when and in what proceeding?**

11 A7. No.

12 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
13 **present proceeding?**

14 A8. As the Executive Vice-President responsible for the Regulatory and Rates  
15 Key Business Unit, I oversaw the team responsible for developing the  
16 Application and the Evidentiary Update. I am responsible for the sections of  
17 evidence related to Chapter 5F (Operating Costs – People, Customer,  
18 Corporate Affairs Business Group) and Chapter 10 (Demand Side  
19 Management). I also reviewed information request responses that were  
20 related to my business group and the demand side management plan.

21 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
22 **you are responsible?**

23 A9. I lead the team responsible for sections of evidence dealing with conservation  
24 and energy management, customer service, human resources, regulatory and  
25 rates, communications, and the Ethics and Merit Office.

- 1 **Q10. Does this complete your direct testimony?**
- 2 A10. Yes.

**Direct Testimony of Kristin Hanlon**  
**January 20, 2020**

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1 **Q1. Please state your name and present position.**

2 A1. My name is Kristin Hanlon. I am Senior Manager, Strategic Planning,  
3 Evaluation and Measurement and Verification in the Conservation & Energy  
4 Management Key Business Unit (**KBU**) at BC Hydro.

5 **Q2. How long have you held your present position?**

6 A2. I have been the manager of Strategic Planning for approximately  
7 seven years. I have been the manager of Evaluation, Measurement &  
8 Verification for approximately one year.

9 **Q3. How long have you been with BC Hydro?**

10 A3. I have been with BC Hydro since 2000.

11 **Q4. What other positions have you held with BC Hydro and during what**  
12 **period?**

13 A4. I was Manager, Business Planning, Engagement and Regulatory in the  
14 Energy Planning group between January 2006 and approximately  
15 October 2012. Prior to that, I held the position of Senior Resource Planner,  
16 also in Energy Planning.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. Before joining BC Hydro, I held contract positions with TransCanada  
19 Pipelines as well as the African Wildlife Foundation.



1   **Q6.   What are your educational and professional qualifications?**

2   A6.   I have a Bachelor of Arts degree in Economics from Simon Fraser University.

3   **Q7.   Have you previously testified before this Commission or any other**  
4       **public utility/energy regulatory? If yes, when and in what proceedings?**

5   A7.   Yes. I testified in BC Hydro's 2006 Integrated Electricity Plan and Long-Term  
6       Acquisition Plan proceeding on matters related to greenhouse gas emission  
7       forecasts, environmental attributes and jurisdictional best practices on  
8       integrated resources planning.

9   **Q8.   What role did you play in the development of BC Hydro's evidence in the**  
10       **present proceeding?**

11   A8.   I was involved in the preparation and review of Chapter 5F, section 5F.6  
12       (Conservation and Energy Management KBU) and Chapter 10 (Demand-Side  
13       Management) of the Application, and appendices related to demand-side  
14       management. I also reviewed information request responses related to these  
15       chapters and appendices.

16   **Q9.   Are there particular sections/areas of BC Hydro's evidence for which**  
17       **you are responsible?**

18   A9.   I am responsible for the sections of the evidence dealing with demand-side  
19       management.

20   **Q10. Does this complete your direct testimony?**

21   A10. Yes.

**Direct Testimony of Stephen Hobson**  
**January 20, 2020**

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1 **Q1. Please state your name and present position.**

2 A1. My name is Stephen Hobson. I am Director of the Conservation and Energy  
3 Management Key Business Unit (**KBU**) at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Since 2009.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 1992.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. I held a variety of roles of increasing responsibility from 1992 to 2020 related  
11 to demand-side management culminating with Director of Conservation and  
12 Energy Management.

13 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

14 A5. None as I joined BC Hydro right after completing my university education.

15 **Q6. What are your educational and professional qualifications?**

16 A6. I have a Bachelor of Business Administration degree from Simon Fraser  
17 University.

1 **Q7. Have you previously testified before this Commission or any other**  
2 **public utility/energy regulator? If yes, when and in what proceeding?**

3 A7. Yes. I testified in BC Hydro's Fiscal 2005 to Fiscal 2006 Revenue  
4 Requirements Application, 2006 Integrated Electricity Plan and Long-Term  
5 Acquisition Plan Application, and 2008 Long-Term Acquisition Plan  
6 Application.

7 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
8 **present proceeding?**

9 A8. I was involved in the preparation and review of Chapter 5F, section 5F.6  
10 (Conservation and Energy Management KBU) and Chapter 10 (Demand-Side  
11 Management) of the Application, and appendices related to demand-side  
12 management. I also reviewed information request responses related to these  
13 chapters and appendices.

14 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
15 **you are responsible?**

16 A9. Yes. I am responsible for sections of the evidence related to demand-side  
17 management.

18 **Q10. Does this complete your direct testimony?**

19 A10. Yes.

**Direct Testimony of Melissa Holland**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Melissa Holland. I am Vice President of the Project Delivery Key  
3 Business Unit (**KBU**) in the Capital Infrastructure Project Delivery Business  
4 Group.

5 **Q2. How long have you held your present position?**

6 A2. Since May 2018.

7 **Q3. How long have you been with BC Hydro?**

8 A3. Over 16 years, including the period of time that I was with British Columbia  
9 Transmission Corporation (**BCTC**), which was integrated back into BC Hydro  
10 in 2010.

11 **Q4. What other positions have you held with BC Hydro and during what**  
12 **period?**

13 A4. I was Director for the off-dam site work on the Site C Project from  
14 September 2017 to May 2018. This included oversight of the new  
15 transmission lines and sub-station work, highway re-alignment and reservoir  
16 clearing. From April 2015 to September 2017, I was Director of the North  
17 Interior South Interior Transmission Projects team in Project Delivery. From  
18 June 2011 to April 2015, I was Director of Major Projects in Transmission and  
19 Distribution. From 2010 to April 2015, I worked in the Major Projects team in

1       Transmission and Distribution in a number of positions of increasing  
2       responsibility.

3       Between 2003 and 2010, while at BCTC, I held the position of Senior Project  
4       Manager in the Major Projects group and Manager in the Regulatory group. I  
5       also worked in the office of the CEO to complete the establishment of BCTC.

6       **Q5.   What positions did you hold prior to joining BC Hydro and with whom?**

7       A5.   Prior to joining BCTC in 2003, I was a senior consultant with Cap Gemini  
8       Ernst & Young. Prior to that, I held positions with Vancouver Police  
9       Department and with the Heart and Stroke Foundation of BC & Yukon.

10      **Q6.   What are your educational and professional qualifications?**

11      A6.   I have a Bachelor of Arts degree for McGill University and a Master of  
12      Business Administration degree from Richard Ivey School of Business at the  
13      University of Western Ontario.

14      **Q7.   Have you previously testified before this Commission or any other  
15      public utility/energy regulator? If yes, when and in what proceeding?**

16      A7.   Yes. I testified before the British Columbia Utilities Commission in the  
17      reconsideration proceeding on the adequacy of First Nations consultation for  
18      the Interior to Lower Mainland Transmission Project in January 2010.

19      **Q8.   What role did you play in the development of BC Hydro's evidence in the  
20      present proceeding?**

21      A8.   I reviewed Chapter 5B (Operating Costs – Capital Infrastructure Project  
22      Delivery Business Group) and Chapter 6 (Capital Expenditures) of the  
23      Application. I drafted and reviewed a number of the information request  
24      responses relating to those chapters.

1 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
2 **you are responsible?**

3 A9. Yes. I am responsible for those sections of the evidence that deal with the  
4 projects delivered by the Project Delivery KBU.

5 **Q10. Does this complete your direct testimony?**

6 A10. Yes.

**Direct Testimony of Ajay Kumar**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Ajay Kumar. I am Director of the Line Asset Planning Key  
3 Business Unit (**KBU**) at BC Hydro

4 **Q2. How long have you held your present position?**

5 A2. Approximately two years.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 2004.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. Prior to my present position, I was Acting Vice-President for Asset Investment  
11 Management from 2016 to 2017. Prior to that, I was Director for Transmission  
12 and Stations Planning from 2010 to 2015, Manager for System Planning and  
13 Performance Assessment from 2007 to 2010, and Manager for Process  
14 Improvement, Business Improvement from 2004 to 2007.

15 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

16 A5. Before joining BC Hydro, I was a manager in the energy and utilities group at  
17 Cap Gemini (formerly Ernst & Young). Before that, I was a management  
18 consultant with Sigma Risk Management.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I am a Professional Engineer. I hold a Master of Science in Mechanical  
3 Engineering degree from the University of Calgary, and a Master of Business  
4 Administration (Finance) degree from Queen's University.

5 **Q7. Have you previously testified before this Commission or any other**  
6 **public utility/energy regulator? If yes, when and in what proceeding?**

7 A7. Yes. I testified in Direct Energy Regulated Services' Regulated Rate Tariff  
8 Application for 2003/04 before the Alberta Energy and Utilities Board.

9 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
10 **present proceeding?**

11 A8. I was involved in the development and review of Chapter 5A, section 5A.7  
12 (Line Asset Planning KBU), Chapter 5, section 5.8 (BC Hydro Is Optimizing  
13 Power System Maintenance), and Chapter 6 (Capital Expenditures) of the  
14 Application as well as a number of information request responses related to  
15 the Line Asset Planning KBU and the Enterprise Capital Planning process.

16 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
17 **you are responsible?**

18 A9. Yes. I am responsible for the sections of the evidence related to the  
19 expenditures (maintenance and capital) for the Line Asset Planning KBU and  
20 the Enterprise Capital Planning process.

21 **Q10. Does this complete your direct testimony?**

22 A10. Yes.



**Direct Testimony of Ryan Layton**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Ryan Layton. I'm the Chief Accounting Officer at BC Hydro.

3 **Q2. How long have you held your present position?**

4 A2. I have held my current position for just over a year.

5 **Q3. How long have you been with BC Hydro?**

6 A3. I have been with BC Hydro since 2006.

7 **Q4. What other positions have you held with BC Hydro and during what**  
8 **period?**

9 A4. I was Director of Finance from August 2018 to October 2018. I was Acting  
10 Chief Financial Officer between January 2018 and August 2018. I was  
11 Director of Finance between May 2016 and January 2018. Prior to that, I was  
12 a Senior Finance Manager between July 2013 and May 2016. Prior to that, I  
13 held a number of other, mostly financial roles within BC Hydro.

14 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

15 A5. Before joining BC Hydro, I was a Manager, Transfer Pricing – Tax at  
16 PricewaterhouseCoopers LLP. Before that, I held Associate and Senior  
17 Associate roles within the Audit and Tax groups at PricewaterhouseCoppers  
18 LLP.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I have a Bachelor of Commerce degree from the University of British  
3 Columbia. I hold the designation of Chartered Professional Accountant,  
4 Chartered Accountant from the Institute of Chartered Professional  
5 Accountants of Canada.

6 **Q7. Have you previously testified before this Commission or any other**  
7 **public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. No, though I presented at the workshop at the beginning of this proceeding.

9 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
10 **present proceeding?**

11 A8. I was involved in the preparation of BC Hydro's evidence (including the  
12 Application and the Evidentiary Update), and drafted and reviewed a number  
13 of the information request responses primarily related to operating costs,  
14 regulatory accounts and other revenue requirements items.

15 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
16 **you are responsible?**

17 A9. Yes. I am responsible for most of the upfront portion of Chapter 5 (Operating  
18 Costs), as well as Chapter 5E, section 5E.4 (Finance KBU), Chapter 7  
19 (Regulatory Accounts) and Chapter 8 (Other Revenue Requirements Items).

20 **Q10. Does this complete your direct testimony?**

21 A10. Yes.

**Direct Testimony of Al Leonard**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Allan Leonard. I am Senior Vice President, Capital Infrastructure  
3 Project Delivery at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Over two years.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since 1998.

8 **Q4. What other positions have you held with BC Hydro and during what**  
9 **period?**

10 A4. I was Director of Indigenous Relations from 2015 to 2017. I was Director of  
11 Properties from 2011 to 2015. I was Director of Strategic Partnerships from  
12 2007 to 2011. Prior to that, I held the following positions: Manager, Key  
13 Account Management and Customer Service from 2004 to 2007; Manager,  
14 Industrial and Commercial Sector from 2002 to 2004; Manager, Business  
15 Marketing from 2000 to 2002, and Manager, National Accounts from 1998  
16 to 2000.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. Prior to joining BC Hydro, I held roles with Canada Post in account  
19 management, marketing and retail postal franchising.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I have a Bachelor of Commerce degree from the University of British  
3 Columbia.

4 **Q7. Have you previously testified before this Commission or any other**  
5 **public utility/energy regulator? If yes, when and in what proceeding?**

6 A7. Yes. I testified in BC Hydro's Fiscal 2009 to Fiscal 2010 Revenue  
7 Requirements Application.

8 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
9 **present proceeding?**

10 A8. I was involved in the preparation of Chapter 5B (Operating Costs – Capital  
11 Infrastructure and Project Delivery Business Group) and Chapter 6 (Capital  
12 Expenditures) of the Application, and reviewed much of the Application and  
13 information request responses, particularly those associated with my areas of  
14 responsibility, as an executive member of BC Hydro.

15 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
16 **you are responsible?**

17 A9. Yes. I am responsible for the sections of the evidence dealing with capital  
18 infrastructure project delivery, which includes properties, environment,  
19 Indigenous relations, and project delivery matters.

20 **Q10. Does this complete your direct testimony?**

21 A10. Yes.

**Direct Testimony of Heather Matthews**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Heather Matthews. I am Director of the Generation System  
3 Operations Key Business Unit (**KBU**) at BC Hydro. The Independent Power  
4 Producer resource portfolio management has recently been added to my  
5 portfolio.

6 **Q2. How long have you held that position?**

7 A2. Approximately three and a half years.

8 **Q3. How long have you been with BC Hydro?**

9 A3. I have been with BC Hydro since 2000.

10 **Q4. What other positions have you held with BC Hydro and during what**  
11 **period?**

12 A4. Prior to my present position, I held various Manager positions within  
13 Generation System Operations, including Manager of the Planning and  
14 Licensing department between May 2015 and June 2016, Manager of  
15 Columbia River Treaty Review from 2012 to 2015, and Manager of  
16 Operations Planning from 2009 to 2012.

17 Before joining Generation System Operations, I was a Power Planning  
18 Specialist in Energy Planning from 2004 to 2009. Before that, I was in the  
19 Engineering KBU from 2000 to 2003.

1 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

2 A5. Prior to joining BC Hydro, I was a water resource engineer at Golder  
3 Associates.

4 **Q6. What are your educational and professional qualifications?**

5 A6. I hold a Bachelor of Applied Science degree in Bio-Resource Engineering  
6 from the University of British Columbia, and a Master of Science degree in  
7 Civil Engineering, Water Resources and Hydrological Sciences from Colorado  
8 State University. I am licensed as a Professional Engineer in the Province of  
9 British Columbia.

10 **Q7. Have you previously testified before this Commission or any other**  
11 **public utility/energy regulator? If yes, when and in what proceeding?**

12 A7. Yes. I testified in BC Hydro's 2006 Integrated Electricity Plan and Long-Term  
13 Acquisition Plan proceeding regarding portfolio analysis and resource options.

14 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
15 **present proceeding?**

16 A8. I was involved in the preparation of Chapter 4 (Cost of Energy) and  
17 Chapter 5C, section 5C.9 (Generation System Operations KBU), and drafted  
18 a number of the information request responses related to these chapters.

19 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
20 **you are responsible?**

21 A9. Yes. I am responsible for sections of the evidence on heritage energy costs  
22 and costs of market energy.

23 **Q10. Does this complete your direct testimony?**

24 A10. Yes.

**Direct Testimony of Charlotte Mitha**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Charlotte Mitha. I am Executive Vice-President, Operations at  
3 BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. I joined the executive team as Executive Vice President, Operations in  
6 September 2019.

7 **Q3. How long have you been with BC Hydro?**

8 A3. I have been with BC Hydro since 2004.

9 **Q4. What other positions have you held with BC Hydro and during what**  
10 **period?**

11 A4. From February 2019 to August 2019, I was Director, Operations Work  
12 Management. From 2014 to February 2019, I was Director of the Distribution  
13 Design and Customer Connections Key Business Unit (**KBU**). From 2004  
14 to 2014, I held several management positions in the Non-Integrated Areas,  
15 Strategic Emergency Management, Design and Line Operations, and Key  
16 Account Management groups.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. I previously held mechanical design, project and construction engineer  
19 positions with Klohn Crippen and Acres Consulting, Synex Energy and Sigma

1           Engineering. This work largely centered on hydro generating station  
2           engineering and construction projects.

3           **Q6. What are your educational and professional qualifications?**

4           A6. I have a Bachelor of Applied Science degree in Mechanical Engineering from  
5           the University of British Columbia, and a Master of Business Administration  
6           degree from Royal Holloway College, University of London. I am licensed as  
7           a Professional Engineer in the Province of British Columbia.

8           **Q7. Have you previously testified before this Commission or any other  
9           public utility/energy regulator? If yes, when and in what proceeding?**

10          A7. No.

11          **Q8. What role did you play in the development of BC Hydro's evidence in the  
12          present proceeding?**

13          A8. In the time preceding my appointment to Executive Vice-President,  
14          Operations, I oversaw the development of the portions of the evidence  
15          specific to the Distribution Design and Customer Connections KBU. Since my  
16          appointment as Executive Vice-President, Operations, I have overseen  
17          information request responses related to all of the Operations Business  
18          Group that were filed subsequent to my appointment.

19          **Q9. Are there particular sections/areas of BC Hydro's evidence for which  
20          you are responsible?**

21          A9. I am responsible for the sections of evidence dealing with operating costs for  
22          the Operations Business Group and cost of energy.

23          **Q10. Does this complete your direct testimony?**

24          A10. Yes.



**Direct Testimony of Kip Morison**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Kip Morison. I am the Chief Information Officer at BC Hydro.

3 **Q2. How long have you held that position?**

4 A2. Approximately four and a half years.

5 **Q3. How long have you been with BC Hydro?**

6 A3. I have been with BC Hydro since 1993, including a period of time that I was  
7 with British Columbia Transmission Corporation (**BCTC**), which was  
8 integrated back into BC Hydro in 2010, and also a period of time that I was  
9 with Powertech Labs Inc.

10 **Q4. What other positions have you held with BC Hydro and during what**  
11 **period?**

12 A4. I was the Chief Technology Officer from 2010 to 2015. I was Manager of  
13 Research and Development and Long Term Planning at BCTC from 2008  
14 to 2010. I was Director of Power System Studies at Powertech Labs Inc.  
15 between 1993 and 2008.

16 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

17 A5. Prior to joining BC Hydro, I held the position of Senior Engineer at Ontario  
18 Hydro from 1980 to 1993.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I have a Bachelor of Applied Science degree and a Master of Applied Science  
3 degree in Electrical Engineering from the University of Toronto. I am licensed  
4 as a Professional Engineer in the Province of British Columbia.

5 **Q7. Have you previously testified before this Commission or any other**  
6 **public utility/energy regulator? If yes, when and in what proceedings?**

7 A7. No.

8 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
9 **present proceeding?**

10 A8. I was involved in the preparation and review of Chapter 5E, section 5E.5  
11 (Technology Key Business Unit) and Chapter 6, section 6.5 (Technology  
12 Capital Investment). I was also involved in the review of information request  
13 responses related to these chapters.

14 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
15 **you are responsible?**

16 A9. Yes. I am responsible for sections of the evidence dealing with technology  
17 capital investment.

18 **Q10. Does this complete your direct testimony?**

19 A10. Yes.

**Direct Testimony of Alicia Pinksen**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Alicia Pinksen. I am Senior Manager for the Portfolio Optimization  
3 and Management team within the Energy Planning department of the Energy  
4 Planning and Analytics Key Business Unit at BC Hydro.

5 **Q2. How long have you held your present position?**

6 A2. Since April 2018.

7 **Q3. How long have you been with BC Hydro?**

8 A3. I have been with BC Hydro since 2008, including the period of time that I was  
9 with British Columbia Transmission Corporation (**BCTC**), which was  
10 integrated back into BC Hydro in 2010.

11 **Q4. What other positions have you held with BC Hydro and during what**  
12 **period?**

13 A4. I was Manager for the Asset Investment Optimization team from May 2017 to  
14 April 2018. Prior to that, I was Senior Investment Planning Specialist with the  
15 same team from approximately January 2013 to May 2017. I was an  
16 Investment Planning & Support analyst with the same team from 2010  
17 to 2013.

18 I was an Investment Planning & Support Analyst with BCTC from 2008  
19 to 2010.

1 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

2 A5. Prior to joining BC Hydro, I was a consultant with Adexa Inc.

3 **Q6. What are your educational and professional qualifications?**

4 A6. I have a Bachelor's degree in Applied Science (Industrial Engineering) from  
5 the University of Toronto and a Master's degree in International Economics  
6 and Finance from the University of Queensland, Australia.

7 **Q7. Have you previously testified before this Commission or any other**  
8 **public utility/energy regulator? If yes, when and in what proceeding?**

9 A7. No.

10 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
11 **present proceeding?**

12 A8. I was involved in writing and reviewing Chapter 6 (Capital Expenditures) of  
13 the Application and Appendix G (Fiscal 2017 and Fiscal 2018 Variance  
14 Explanations), Appendix I (Capital Expenditures > \$5 million), Appendix J  
15 (Capital Expenditures > \$20 million) and Appendix K (Summaries of Capital  
16 Project Strategies Plans and Studies) of the Application. I was also involved  
17 in writing and reviewing information request responses related to Chapter 6  
18 and the previously mentioned appendices.

19 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
20 **you are responsible?**

21 A9. Yes. I am particularly responsible for Chapter 6, section 6.4.5 (Integrated  
22 Power System Portfolio Management Brings Planned and Ongoing Projects  
23 and Programs into One Portfolio) and Chapter 6, section 6.4.6 (Planning and  
24 Delivery Processes Are Well Integrated) of the Application.

- 1 **Q10. Does this complete your direct testimony?**
- 2 A10. Yes.

**Direct Testimony of John Rich**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is John Rich. I am Senior Manager for the Load Forecasting team  
3 within the Energy Planning and Analytics Key Business Unit (**KBU**) at  
4 BC Hydro.

5 **Q2. How long have you held your present position?**

6 A2. Approximately three and a half years.

7 **Q3. How long have you been with BC Hydro?**

8 A3. I have been with BC Hydro since 1994.

9 **Q4. What other positions have you held with BC Hydro and during what**  
10 **period?**

11 A4. I have supported the development of BC Hydro's integrated resource plans  
12 since 2000. From 2008 to 2016, I managed the Integration Planning team  
13 (now the Network Integration team) within Energy Planning (now Energy  
14 Planning and Analytics KBU). From 2000 to 2008, I was a Strategic Technical  
15 Principal, also within Energy Planning. Prior to 2000, I held various positions  
16 in the areas of corporate strategic planning and environmental management.

17 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

18 A5. I was a project engineer with several environmental consulting firms.

1 **Q6. What are your educational and professional qualifications?**

2 A6. I hold a Bachelor of Applied Sciences degree in Bio Resource Engineering  
3 from the University of British Columbia and a Master of Business  
4 Administration degree from Simon Fraser University. I am licensed as a  
5 Professional Engineer in the Province of British Columbia.

6 **Q7. Have you previously testified before this Commission or any other**  
7 **public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. Yes. I testified in BC Hydro's 2008 Long Term Acquisition Plan proceeding  
9 before the British Columbia Utilities Commission. I also testified in the Alberta  
10 Electric System Operator's 2010 General Tariff Application on behalf of  
11 BC Hydro.

12 **Q8. What role did you play in the development of BC Hydro's evidence in the**  
13 **present proceeding?**

14 A8. I was involved in the preparation of portions of the following chapters and  
15 appendices related to load forecast: Chapter 3 (Load and Revenue Forecast)  
16 of the Application, Appendix G (Fiscal 2017 and Fiscal 2018 Variance  
17 Explanations) of the Application, and Evidentiary Update Appendix G  
18 (Fiscal 2019 Domestic Energy Sales Variance Explanations). I was also  
19 involved in the preparation of Appendix O (Electric Load Forecast Report  
20 Fiscal 2019 to Fiscal 2024) of the Application and BC Hydro's June 2019  
21 Twenty-Year Load Forecast. I drafted and reviewed a number of the  
22 information request responses related to these chapters and appendices.

23 **Q9. Are there particular sections/areas of BC Hydro's evidence for which**  
24 **you are responsible?**

25 A9. Yes. I am responsible for sections of the evidence dealing with load  
26 forecasting.

- 1 **Q10. Does this complete your direct testimony?**
- 2 A10. Yes.



**Direct Testimony of Carolynn Ryan**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is Carolynn Ryan. I am the Chief Human Resources Officer at  
3 BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Since November 2018.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since November 2018.

8 **Q4. What positions did you hold prior to joining BC Hydro and with whom?**

9 A4. Prior to joining BC Hydro, I was with WorkSafeBC for 25 years. My most  
10 recent position at WorkSafeBC was Director of Labour Relations and  
11 Strategic Partnerships. Before that, I held the position of Director, Human  
12 Resources Operations in the Worker & Employer Services Division.

13 **Q5. What are your educational and professional qualifications?**

14 A5. I hold a Master's degree in Industrial Relations from Queen's University, a  
15 Bachelor's degree from the University of British Columbia, and a certificate in  
16 Human Resources from the British Columbia Institute of Technology.

1 **Q6. Have you previously testified before this Commission or any other**  
2 **public utility/energy regulator? If yes, when and in what proceeding?**

3 A6. No.

4 **Q7. What role did you play in the development of BC Hydro's evidence in the**  
5 **present proceeding?**

6 A7. I was involved in reviewing Chapter 5F, section 5F.4 (Human Resources Key  
7 Business Unit) of the Application, and in reviewing a number of the  
8 information request responses relating to this chapter and to labour costs and  
9 staffing issues.

10 **Q8. Are there particular sections/areas of BC Hydro's evidence for which**  
11 **you are responsible?**

12 A8. Yes. I am responsible for sections for the evidence dealing with labour costs  
13 and staffing issues.

14 **Q9. Does this complete your direct testimony?**

15 A9. Yes.

**Direct Testimony of David Wong**  
**January 20, 2020**

---

1 **Q1. Please state your name and present position.**

2 A1. My name is David Wong. I am Executive Vice-President (**EVP**), Finance,  
3 Technology and Supply Chain, and Chief Financial Officer at BC Hydro.

4 **Q2. How long have you held your present position?**

5 A2. Since August 2018.

6 **Q3. How long have you been with BC Hydro?**

7 A3. I have been with BC Hydro since August 2018. I was also with BC Hydro and  
8 Powerex for approximately 13 years from 1995 to 2008.

9 **Q4. What other positions have you held with BC Hydro and during what**  
10 **period?**

11 A4. I was Chief Accounting Officer at BC Hydro from August 2007 to  
12 December 2008. Prior to that, I held a number of roles at Powerex, including  
13 Chief Financial Officer from 2004 to 2007, Controller from 2003 to 2004, and  
14 Credit Risk Manager from 1997 to 2003. Prior to that, I was Senior Financial  
15 Analyst at BC Hydro from 1995 to 1997.

16 **Q5. What positions did you hold prior to joining BC Hydro and with whom?**

17 A5. Before returning to BC Hydro in 2018, I was Chief Financial Officer at Teekay  
18 Offshore Group from 2015 to 2018. Prior to this, I was Vice President and  
19 Controller at Teekay Corporation from 2009 to 2015.

1 Before initially joining BC Hydro in 1995, I was an Audit Manager at  
2 Ernst & Young.

3 **Q6. What are your educational and professional qualifications?**

4 A6. I have a Bachelor of Business Administration degree in Accounting from  
5 Simon Fraser University. I am a Chartered Professional Accountant.

6 **Q7. Have you previously testified before this Commission or any other  
7 public utility/energy regulator? If yes, when and in what proceeding?**

8 A7. Yes. I testified in BC Hydro's Fiscal 2009 to Fiscal 2010 Revenue  
9 Requirements Application.

10 **Q8. What role did you play in the development of BC Hydro's evidence in the  
11 present proceeding?**

12 A8. I am the Executive Sponsor of the Application with ultimate responsibility for  
13 direction and oversight of the Application, including Application draft,  
14 information request responses and the Evidentiary Update. I assumed this  
15 role in August 2018 when I returned to BC Hydro as EVP, Finance,  
16 Technology and Supply Chain and Chief Financial Officer.

17 **Q9. Are there particular sections/areas of BC Hydro's evidence for which  
18 you are responsible?**

19 A9. I was more heavily involved in the preparation of Chapter 5 (Operating  
20 Costs), Chapter 5E (Operating Costs – Finance, Technology and Supply  
21 Chain Business Group), Chapter 7 (Regulatory Accounts), and Chapter 8  
22 (Other Revenue Requirements Items).

23 **Q10. Does this complete your direct testimony?**

24 A10. Yes.