

# **British Columbia Hydro and Power Authority**

**2018/19**

**FIRST QUARTER REPORT**



## MANAGEMENT'S DISCUSSION AND ANALYSIS

This Management's Discussion and Analysis (MD&A) reports on British Columbia Hydro and Power Authority's (BC Hydro or the Company) consolidated results and financial position for the three months ended June 30, 2018 and should be read in conjunction with the MD&A presented in the 2018 Annual Service Plan Report, the 2018 Audited Consolidated Financial Statements and related notes of the Company, and the Unaudited Condensed Consolidated Interim Financial Statements and related notes of the Company for the three months ended June 30, 2018.

The Company applies accounting standards as prescribed by the Province of British Columbia (the Province) which combines the accounting principles of International Financial Reporting Standards (IFRS) with regulatory accounting in accordance with Financial Accounting Standards Board Accounting Standards Codification 980, *Regulated Operations* (ASC 980), except as specified in Treasury Board Regulation B.C. Reg 146/2011 section 5(3) (collectively the Prescribed Standards). All financial information is expressed in Canadian dollars unless otherwise specified.

This report contains forward-looking statements, including statements regarding the business and anticipated financial performance of the Company. These statements are subject to a number of risks and uncertainties that may cause actual results to differ from those contemplated in the forward-looking statements.

### HIGHLIGHTS

- Net income for the three months ended June 30, 2018 was \$80 million, \$12 million lower than the same period in the prior fiscal year. The decrease was primarily due to higher domestic cost of energy of \$32 million mainly as a result of higher planned purchases from Independent Power Producers, \$19 million higher amortization and depreciation, and \$13 million higher finance charges. This was partially offset by higher domestic revenues of \$61 million due to higher average customer rates reflecting an average rate increase as approved by the British Columbia Utilities Commission (BCUC) of 3.0 per cent effective April 1, 2018.
- Water inflows to the system during the three months ended June 30, 2018 were 102 per cent of average compared to 110 per cent of average in the same period in the prior fiscal year. The lower water inflows in fiscal 2019 compared to the same period in the prior fiscal year were the result of dry weather and significantly below average snowpack in the Peace region, partially offset by above average water supply in the Columbia.
- Capital expenditures, before contributions in aid of construction, for the three months ended June 30, 2018 were \$539 million, which was \$37 million lower than the prior fiscal year. BC Hydro continues to invest significantly in capital projects/programs to refurbish its ageing infrastructure and build new assets for future growth, including Site C, John Hart Generating Station Replacement, Distribution Wood Poles Replacements, Ruskin Dam Safety and Powerhouse Upgrade, Bridge River 2 Units 5 and 6 Upgrade, and Supply Chain Applications.

**CONSOLIDATED RESULTS OF OPERATIONS**

(\$ in millions)	For the three months ended June 30		
	2018	2017	Change
Total Revenues	\$ 1,521	\$ 1,465	\$ 56
Net Income	\$ 80	\$ 92	\$ (12)
Capital Expenditures	\$ 539	\$ 576	\$ (37)
GWh Sold (Domestic)	12,633	12,825	(192)

(\$ in millions)	As at	As at	Change
	June 30, 2018	March 31, 2018	
Total Assets	\$ 33,796	\$ 33,742	\$ 54
Shareholder's Equity	\$ 5,478	\$ 5,456	\$ 22
Accrued Payment to the Province	\$ 59	\$ 159	\$ (100)
Retained Earnings	\$ 5,368	\$ 5,347	\$ 21
Debt to Equity	79 : 21	79 : 21	n/a
Number of Domestic Customer Accounts	2,025,328	2,018,044	7,284
Total Reservoir Storage (GWh)	22,664	10,877	11,787

**REVENUES**

Total revenues after regulatory account transfers for the three months ended June 30, 2018 were \$1,521 million, an increase of \$56 million or 4 per cent compared to the same period in the prior fiscal year. The increase includes higher domestic revenues of \$61 million partially offset by lower trade revenues of \$5 million. The table below shows revenues before regulatory account transfers, the amount of regulatory account transfers, and total revenues after regulatory account transfers.

for the three months ended June 30	(in millions)		(gigawatt hours)		(\$ per MWh) <sup>2</sup>	
	2018	2017	2018	2017	2018	2017
<b>Domestic Revenues</b>						
Residential	\$ 433	\$ 436	3,770	3,798	\$ 114.85	\$ 114.80
Light industrial and commercial	467	430	4,640	4,361	100.65	98.60
Large industrial	192	182	3,229	3,178	59.46	57.27
Other sales	80	83	994	1,488	80.48	55.78
Total Domestic Revenues Before Regulatory Transfers	1,172	1,131	12,633	12,825	92.77	88.19
Rate smoothing and energy deferral regulatory transfers	118	98	-	-	-	-
<b>Total Domestic Revenues</b>	\$ 1,290	\$ 1,229	12,633	12,825	\$ 102.11	\$ 95.83
<b>Trade Revenues</b>						
Gross electricity and gas	\$ 275	\$ 354	7,633	10,127	\$ 28.85	\$ 31.03
Less: forward electricity and gas purchases	(44)	(118)	-	-	-	-
<b>Total Trade Revenues<sup>1</sup></b>	\$ 231	\$ 236	7,633	10,127	\$ 30.26	\$ 23.30
<b>Total Revenues</b>	\$ 1,521	\$ 1,465	20,266	22,952	\$ 75.05	\$ 63.83

<sup>1</sup> Trade revenue regulatory transfer is netted with the trade cost of energy transfer to reflect a trade margin transfer and this is reflected in the cost of energy table.

<sup>2</sup> The Trade \$ per MWh represents the gross \$ per MWh of physical transactions and does not include financial transactions. The Total Trade \$ per MWh is a simple average calculation and does not reflect actual trade energy prices during the period.

## Domestic Revenues

Domestic revenues for the three months ended June 30, 2018 were \$1,290 million, an increase of \$61 million or 5 per cent compared to the same period in the prior fiscal year. The increase over the prior fiscal year, before regulatory account transfers, was primarily due to higher average customer rates that reflect the 3.0 per cent rate increase as approved by the BCUC effective April 1, 2018. The increase is also due to higher light industrial and commercial revenues, mainly due to higher average usage in the commercial sector and customer growth. The lower residential revenues was driven by warmer temperatures in the current period compared to the same period in the prior fiscal year, partially offset by higher average customer rates.

In addition, there were \$20 million higher regulatory account transfers related to the Rate Smoothing account, Non-Heritage Deferral Account (NHDA), and Heritage Deferral Account (HDA). Variances between actual and planned load are deferred to the NHDA and variances between actual and planned other energy sales are deferred to the HDA and NHDA. Changes to regulatory account balances are discussed in the *Regulatory Transfers* section.

## Trade Revenues

Powerex, a wholly owned subsidiary of the Company, is an active participant in western energy markets, buying and selling wholesale power, natural gas, ancillary services, clean and renewable power, and other environmental products.

The Company's electricity system is interconnected with systems in Alberta and the Western United States, facilitating sales and purchases of electricity outside of British Columbia. Powerex's trade activities earn income to lower the Company's customer rates and to help balance its system by being able to import energy to meet domestic demand when there is a supply shortage and exporting energy when there is a supply surplus. Exports are made only after ensuring domestic demand requirements are met.

Total trade revenues for the three months ended June 30, 2018 were \$231 million, a decrease of \$5 million or 2 per cent compared to the same period in the prior fiscal year. The decrease in trade revenue was primarily driven by a decrease in energy sales volume and lower average energy sale prices for the period.

Variances between actual and planned trade revenues are transferred to the Trade Income Deferral Account (TIDA).

## OPERATING EXPENSES

For the three months ended June 30, 2018, total operating expenses, after regulatory account transfers, of \$1,270 million were \$55 million or 5 percent higher than the same period in the prior fiscal year. The increase over the prior fiscal year was primarily due to higher energy costs of \$27 million and higher amortization and depreciation of \$19 million.

## Energy Costs

Energy costs are comprised of electricity and gas purchases for domestic and trade customers, water rentals and transmission and other charges. Energy costs are influenced primarily by the volume of energy consumed by customers, the mix of sources of supply, and market prices of energy. The mix

## British Columbia Hydro and Power Authority

of sources of supply is influenced by variables such as the current and forecast market prices of energy, water inflows, reservoir levels, energy demand, and environmental and social impacts.

Total energy costs after regulatory transfers for the three months ended June 30, 2018 were \$607 million, \$27 million or 5 per cent higher than the same period in the prior fiscal year. The increase was primarily due to higher domestic energy costs of \$32 million partially offset by lower trade energy costs of \$5 million. The table below shows energy costs before regulatory account transfers, the amount of regulatory account transfers, and total energy costs after regulatory account transfers.

<i>for the three months ended June 30</i>	<i>(in millions)</i>		<i>(gigawatt hours)</i>		<i>(\$ per MWh)<sup>2</sup></i>	
	<b>2018</b>	2017	<b>2018</b>	2017	<b>2018</b>	2017
<b>Domestic Energy Costs</b>						
Water rental payments (hydro generation) <sup>1</sup>	\$ 84	\$ 81	8,719	9,598	\$ 9.63	\$ 8.44
Purchases from Independent Power Producers	315	315	4,414	4,203	71.36	74.95
Other electricity purchases - Domestic	1	-	40	23	25.00	-
Gas and transportation for thermal generation	4	2	25	-	160.00	-
Transmission charges and other expenses	4	1	25	25	-	-
Allocation from (to) trade energy	8	1	422	152	18.72	13.31
<b>Total Domestic Cost of Energy Before Regulatory Transfers</b>	<b>416</b>	400	<b>13,645</b>	14,001	<b>30.49</b>	28.57
Energy deferral regulatory transfers	7	(9)	-	-	-	-
<b>Total Domestic Energy Costs</b>	<b>\$ 423</b>	\$ 391	<b>13,645</b>	14,001	<b>\$ 31.00</b>	\$ 27.93
<b>Trade Energy Costs</b>						
Gross electricity and remarketed gas	\$ 100	\$ 192	8,202	10,126	\$ 12.04	\$ 18.67
Less: forward electricity and gas purchases	(44)	(118)	-	-	-	-
<b>Net Electricity and Remarketed Gas</b>	<b>56</b>	74	-	-	-	-
Transmission charges and other expenses	77	82	-	-	-	-
Allocation (to) from domestic energy	(8)	(1)	(422)	(152)	18.72	13.31
<b>Total Trade Cost of Energy Before Regulatory Transfers</b>	<b>125</b>	155	<b>7,780</b>	9,974	<b>16.07</b>	15.54
Trade net margin regulatory transfer	59	34	-	-	-	-
<b>Total Trade Energy Costs</b>	<b>\$ 184</b>	\$ 189	<b>7,780</b>	9,974	<b>\$ 23.65</b>	\$ 18.95
<b>Total Energy Costs</b>	<b>\$ 607</b>	\$ 580	<b>21,425</b>	23,975	<b>\$ 28.33</b>	\$ 24.19

<sup>1</sup> Water rental payments are based on the previous calendar year's generation volumes. The volumes are actual hydro generation during the period. The \$ per MWh is a simple average calculation and does not reflect actual water rental rates during the period.

<sup>2</sup> The \$ per MWh represents the gross unit cost per physical electricity and gas transaction. The Total Trade \$ per MWh is a simple average calculation and does not reflect actual trade energy prices during the period.

### Domestic Energy Costs

Domestic energy costs for the three months ended June 30, 2018 were \$423 million, \$32 million or 8 per cent higher than the same period in the prior fiscal year. The significant variances from the prior fiscal year, before regulatory account transfers, were mainly due to \$7 million higher net energy imports driven by lower market prices.

In addition, there were \$16 million higher regulatory account transfers related to the HDA and NHDA. Variances between actual and planned domestic energy costs are transferred to the HDA and NHDA. Changes to regulatory account balances are discussed in the *Regulatory Transfers* section.

### Trade Energy Costs

Total trade energy costs before regulatory account transfers for the three months ended June 30, 2018 were \$125 million, a decrease of \$30 million or 19 per cent compared to the same period in

the prior fiscal year. The decrease in trade energy costs was primarily driven by lower average energy purchase prices and a decrease in energy purchase volumes for the period.

Variances between actual and planned trade costs are transferred to the TIDA.

### **Water Inflows and Reservoir Storage**

Water inflows (energy equivalent) to the system during three months ended June 30, 2018 were 102 per cent of average compared to 110 per cent of average in the same period of prior fiscal year. The lower water inflows in fiscal 2019 compared to the same period in the prior fiscal year were the result of dry weather and significantly below average snowpack in the Peace region, partially offset by above average water supply in the Columbia.

Total reservoir storage as at June 30, 2018 was 22,664 GWh, a decrease of 3,912 GWh compared to total reservoir storage as at June 30, 2017 of 26,576 GWh. System energy storage remained within the lower half of the 10-year historical range (19,944 to 27,861 GWh) due to below average Peace snowpack and a low starting storage level for fiscal 2019.

### **Personnel Expenses**

Personnel expenses include salaries and wages, benefits and post-employment benefits. Personnel expenses for the three months ended June 30, 2018 were \$156 million, \$12 million higher than the prior fiscal year primarily due to higher benefit costs, and an increase in the number of full time employees. The increased number of full time employees was due to BC Hydro's Workforce Optimization program, which replaced some external service providers with internal staff to reduce costs and/or improve outcomes.

### **Materials and External Services**

Materials and External Services primarily include materials, supplies, and contractor fees. Materials and external services for the three months ended June 30, 2018 were \$145 million, \$9 million lower than the prior fiscal year primarily due to BC Hydro's Workforce Optimization program which replaced some external service providers with full-time employees to reduce costs and/or improve outcomes.

### **Amortization and Depreciation**

Amortization and depreciation expense includes the depreciation of property, plant and equipment, amortization of intangible assets, and the amortization of certain regulatory assets and liabilities. For the three months ended June 30, 2018, amortization and depreciation expense was \$319 million, \$19 million higher than the prior fiscal year primarily due to higher amortization of regulatory accounts and higher depreciation of property, plant and equipment due to an increase in assets in service. For the three months ended June 30, 2018, the amortization and depreciation expense included \$104 million (2017 - \$93 million) of amortization of regulatory account balances, which is the regulatory mechanism to recover the regulatory account balances in rates.

### **Grants, Taxes and Other Costs**

As a Crown Corporation, the Company is exempt from paying federal and provincial income taxes, but pays local government taxes and grants in lieu to municipalities and regional districts, and school tax to the Province on certain assets. Total grants, taxes and other costs for the three months

ended June 30, 2018 were \$78 million, comparable to \$77 million in the same period in the prior fiscal year.

### Capitalized Costs

Capitalized costs consist of overhead costs directly attributable to capital expenditures that are transferred from operating costs to Property, Plant & Equipment. Certain overhead costs not eligible for capitalization under IFRS are transferred from operating costs to the IFRS Property, Plant & Equipment Regulatory Account. These transfers are amortized over 40 years which approximates the composite average life of the Property, Plant & Equipment. In addition, starting in fiscal 2013, the ongoing impact of this change is being included in rates over a 10-year period through transfers to the IFRS Property, Plant & Equipment Regulatory Account as approved by the BCUC. As such, each year, 1/10 more of ineligible costs will be charged to operating costs such that by the end of year ten, all ineligible costs will be charged to operating costs.

Capitalized costs for the three months ended June 30, 2018 were \$35 million, compared to capitalized costs of \$40 million in the same period in the prior fiscal year. The decrease in capitalized cost is consistent with the additional ineligible costs being charged to operating costs as noted above.

### FINANCE CHARGES

Finance charges for the three months ended June 30, 2018 were \$171 million, \$13 million higher than the same period in the prior fiscal year. The increase was primarily due to higher outstanding debt and higher interest rates for long-term debt borrowings.

### REGULATORY TRANSFERS

The Company presents its results and financial position under the Prescribed Standards. Under the Prescribed Standards, the Company applies the principles of IFRS combined with ASC 980 to reflect the rate-regulated environment in which the Company operates. These Prescribed Standards allow for the deferral of costs and recoveries that under IFRS may otherwise be included in the determination of total comprehensive income. The deferred amounts are either recovered or refunded through future rate adjustments.

The Company has established various regulatory accounts through rate regulation and with the approval of the BCUC. The use of regulatory accounts is common amongst regulated utility industries throughout North America. BC Hydro uses various regulatory accounts, in compliance with BCUC orders, to better match costs and benefits for different generations of customers, smooth out the rate impact of large non-recurring costs, and defer to future periods differences between forecast and actual costs or revenues. Regulatory accounts allow the Company to defer certain types of revenue and cost variances through transfers to and from the accounts which are then included in customer rates in future periods, subject to approval by the BCUC and have the effect of adjusting net income.

Net regulatory account transfers are comprised of the following:

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
<b>Energy Deferral Accounts</b>		
Heritage Deferral Account	\$ (4)	\$ (4)
Non-Heritage Deferral Account	44	36
Trade Income Deferral Account	(56)	(32)
	(16)	-
<b>Forecast Variance Accounts</b>		
Total Finance Charges	(2)	(5)
Rate Smoothing	71	60
Debt Management	(10)	(4)
	59	51
<b>Capital-Like Accounts</b>		
Demand-Side Management	11	9
IFRS Property, Plant & Equipment	17	22
	28	31
<b>Non-Cash Accounts</b>		
Environmental Provisions & Costs	2	1
First Nations Provisions & Costs	7	6
Other	(1)	(1)
	8	6
Amortization of regulatory accounts	(104)	(93)
Interest on regulatory accounts	13	17
<b>Net increase/(reduction) in regulatory accounts</b>	\$ (12)	\$ 12

The net regulatory asset balance as at June 30, 2018 was \$5,128 million compared to \$5,455 million as at March 31, 2018. The decrease was primarily due to the Company adopting IFRS 15, *Revenue from Contracts with Customers* on April 1, 2018, which resulted in a decrease of \$315 million to the opening net regulatory asset balance. Refer to Note 2 in the Unaudited Condensed Consolidated Interim Financial Statements for more detail on the impact of the adoption of IFRS 15.

As shown in the table above, excluding the \$315 million change regarding the opening balance, there was a net reduction of \$12 million to the Company's regulatory accounts for the three months ended June 30, 2018 compared to a net addition of \$12 million in the same period in the prior fiscal year.

Net reductions to the regulatory accounts during the three months ended June 30, 2018 included:

- Net amortization of \$104 million. Amortization is the regulatory mechanism to recover the regulatory account balances in rates; and

- \$16 million to the energy deferral accounts, primarily due to higher trade net income partially offset by lower domestic revenue.

These net reductions were partially offset by:

- \$71 million of planned additions to the Rate Smoothing Regulatory Account to smooth the impacts of the rate increases during the 10 Year Rates Plan period;
- \$17 million of planned additions to the IFRS Property, Plant & Equipment Regulatory Account for smoothing the rate impact of overhead costs not eligible for capitalization under IFRS as they are not considered directly attributable to the construction of capital assets; and
- Interest on regulatory accounts of \$13 million.

BC Hydro has regulatory mechanisms in place to collect 25 of 28 regulatory accounts in use or with balances at June 30, 2018 in rates over various periods, which represent approximately 73 per cent of the net regulatory asset balance.

### **PAYMENT TO THE PROVINCE**

In accordance with Order in Council No. 095/2014 from the Province, for fiscal 2018 and subsequent years, the payment to the Province will be reduced by \$100 million per year based on the payment in the immediate preceding fiscal year until it reaches zero and will thereafter remain at zero until BC Hydro achieves a 60:40 debt to equity ratio.

The fiscal 2018 Payment to the Province was \$159 million and was paid in June 2018. As a result, the Payment for fiscal 2019 will be \$59 million and the Company has accrued \$59 million as at June 30, 2018.

### **LIQUIDITY AND CAPITAL RESOURCES**

Cash flow provided by operating activities for the three months ended June 30, 2018 was \$232 million, compared to \$339 million in the same period in the prior fiscal year. The decrease was mainly due to higher cash flow used for changes in working capital, higher interest payments, and higher domestic energy costs. This was partially offset by higher domestic revenue primarily due to higher average customer rates and lower trade energy cost due to lower average energy purchase price and a decrease in energy purchase volume.

The long-term debt balance net of sinking funds as at June 30, 2018 was \$20,724 million compared to \$20,182 million as at March 31, 2018. Long-term debt increased primarily to fund capital expenditures and the increase was mainly a result of an increase in long-term bond issuances for net proceeds of \$874 million (\$900 million par value) and higher revolving borrowings of \$132 million. This increase was partially offset by long-term bond redemptions totaling \$457 million par value.

### **CAPITAL EXPENDITURES**

Capital expenditures include property, plant and equipment and intangible assets. The capital expenditures, before contributions-in-aid of construction, were as follows:

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
Transmission lines and substations replacements and expansion	\$ <b>80</b>	\$ 113
Generation replacements and expansion	<b>92</b>	137
Distribution system improvements and expansion	<b>119</b>	120
General, including technology, vehicles and buildings	<b>33</b>	42
Site C	<b>215</b>	164
<b>Total Capital Expenditures</b>	<b>\$ 539</b>	<b>\$ 576</b>

*Total capital expenditures presented in this table are different from the amount of property, plant and equipment and intangible asset expenditures in the Consolidated Interim Statements of Cash Flows because the expenditures above include accruals.*

Transmission lines and substation capital expenditures includes expenditures on the following projects/programs: Transmission Wood Structure and Framing Replacement, 138kV Circuit Breaker Replacement, Peace Region Electricity Supply, Horne Payne Substation Upgrade, South Surrey Area Reinforcement, North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) Version 5 Compliance Impact to T&D Stations, Fort St. John and Taylor Electric Supply, and Kamloops Substation.

Generation capital expenditures include expenditures for the following projects: John Hart Generating Station Replacement, Ruskin Dam Safety and Powerhouse Upgrade, Bridge River 2 Units 5 and 6 Upgrade, Bridge River 2 – Strip and Recoat Penstock 1 Interior, Cheakamus Unit 1 and Unit 2 Generator Replacement, G.M. Shrum G1-G10 Control System Upgrade, G.M. Shrum G1-5 Turbine Rehabilitation, Mica Townsite Augment Accommodations Capacity, and Mica Powerhouse Cranes Upgrade.

Distribution capital expenditures include expenditures on customer driven work, end of life asset replacements, and system expansion and improvements.

General capital expenditures include expenditures on technology projects, various building development programs, and vehicles.

Site C project expenditures relate to site preparation, clearing for reservoir and transmission lines, engineering and design, main civil works, generating station and spillway, as well as social and land programs.

## **RATE REGULATION**

In the process of regulating and setting rates for BC Hydro, the BCUC must ensure that the rates are sufficient to allow BC Hydro to provide reliable electricity service, meet its financial obligations, comply with government policy, and earn an annual rate of return.

## BC Hydro Waneta Transaction

On October 30, 2017, BC Hydro submitted an Application to the BCUC under section 44.2 of the Utilities Commission Act for approval to purchase Teck Metals Ltd.'s (Teck) two-third interest in the Waneta Dam and associated assets for \$1.2 billion. The purchase agreement includes a 20 year agreement, at fixed prices, providing Teck with a leasehold interest in the two-thirds portion of Waneta. Teck has an option to extend the agreement for a further 10 years. The Waneta dam is located near the mouth of the Pend d'Oreille River near Trail, BC, and has a generating capacity of 2,670 GWh per year. BC Hydro currently retains a one-third interest in the facility.

On July 18, 2018, the BCUC issued Order No. G-130-18 approving the Waneta Transaction. The BCUC approved our requested expenditure schedule, purchase of transmission assets and transaction costs. On July 26, 2018, BC Hydro completed this transaction.

## Capital Expenditures and Projects Review

The BCUC initiated a review in May 2016 to review the regulatory oversight of BC Hydro's capital expenditures and projects. At BC Hydro's request, the BCUC scheduled the proceeding to commence following the Fiscal 2017 – Fiscal 2019 Revenue Requirements Application decision. BC Hydro submitted our initial proposal in April 2018, which included draft Capital Filing Guidelines. These draft Guidelines expand the previous capital project filing guidelines by including the review of capital expenditures and projects in a revenue requirements proceeding, and better aligning capital project regulatory applications with our current capital planning processes.

In May 2018, BC Hydro held a workshop to review the Capital Filing Guidelines. Subsequent to the workshop, BC Hydro filed revisions to the Guidelines, taking into consideration the discussion at the workshop and the clarifications sought in information requests. Specifically, revisions were made to the program management and funding approval sections. In June 2018, the BCUC held a procedural conference, where three interveners argued that the BCUC should expand the scope of the review to include BC Hydro's capital planning process. The BCUC subsequently issued an Order denying the request for an expanded scope. In August, the BCUC will determine if any intervenor evidence should be filed. This will be followed by another round of information requests on that evidence as well as BC Hydro's revised proposal, before the proceeding moves to the final argument stage.

## RISK MANAGEMENT

BC Hydro is exposed to numerous risks, which can result in safety, environmental, financial, reliability and reputational impacts. This section of the MD&A discusses risks that may impact financial performance.

The impact of many financial risks associated with uncontrollable external influences on BC Hydro's net income is mitigated through the use of BCUC-approved regulatory accounts. Regulatory accounts assist in matching costs and benefits for different generations of customers, to smooth the impact of large, non-recurring costs and to defer for future recovery in rates the differences between planned and actual costs or revenues that arise due to uncontrollable events. BC Hydro's approach to the recovery of its regulatory accounts is included in the Fiscal 2017-2019 Revenue Requirements Application.

## Significant Financial Risks

The largest sources of variability in BC Hydro's financial performance are typically domestic and trade revenue, domestic and trade cost of energy, and finance charges. These are influenced by several elements, which generally fall into the following five categories: energy availability, domestic demand for energy, energy market prices, deliveries from electricity purchase agreement contracts, and interest rates. Neither a high nor a low value of any of these individual drivers is intrinsically positive or negative for BC Hydro's financial results. It is the specific combination of these drivers in any given year which has an impact.

While meeting domestic demand, environmental regulations and treaty obligations, BC Hydro attempts to operate the system to take maximum advantage of market energy prices – buying from the markets when prices are low and selling when prices are high. In doing so, BC Hydro attempts to optimize the combined effects of these elements and reduce the net cost of energy for our customers.

This section should be read in conjunction with the risks disclosed in the Risk Management section in the Management's Discussion and Analysis presented in the Annual Service Plan Report for the year ended March 31, 2018. In addition, information on risks and opportunities that could significantly impact BC Hydro meeting its objectives is outlined at [www.bchydro.com/serviceplan](http://www.bchydro.com/serviceplan).

## FUTURE OUTLOOK

The *Budget Transparency and Accountability Act* requires that BC Hydro file a Service Plan each year. BC Hydro's Service Plan filed in February 2018 forecast net income for fiscal 2019 at \$712 million which is consistent with the amount required by Order in Council No. 590/2016.

The Company's earnings can fluctuate significantly due to various non-controllable factors such as the level of water inflows, customer load, market prices for electricity and natural gas, interest rates, and foreign exchange rates. The impact to net income of these non-controllable factors is largely mitigated through the use of regulatory accounts. The Service Plan forecast for fiscal 2019 assumed average water inflows (100 per cent of average), domestic sales of 52,664 GWh, average market energy prices of US \$21.43/MWh, short-term interest rates of 1.72 per cent, and a Canadian to US dollar exchange rate of US \$0.8088.

BC Hydro filed an updated forecast with the Province in August 2018. The net income forecast for fiscal 2019 remains at \$712 million. The significant changes from the Service Plan for fiscal 2019, which have no net income impact after regulatory account transfers, include:

- An increase in forecast domestic revenue for fiscal 2019 as a result of the BCUC's March 1, 2018 decision on BC Hydro's Fiscal 2017 – Fiscal 2019 Revenue Requirements Application. In the decision, the BCUC approved a final rate increase for fiscal 2019 of 3%.
- The adoption of IFRS 15, *Revenue from Contracts with Customers* effective April 1, 2018, which has resulted in a decrease in the unearned revenue liability account, and a corresponding increase in the Heritage Deferral regulatory liability account balance by \$319 million related to the Skagit River Agreement. Refer to Note 2 in the Unaudited Condensed Consolidated Interim Financial Statements for more detail.

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**UNAUDITED CONDENSED CONSOLIDATED INTERIM STATEMENTS OF  
COMPREHENSIVE INCOME**

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
<b>Revenues</b>		
Domestic (Note 3)	\$ 1,290	\$ 1,229
Trade (Note 3)	231	236
	<b>1,521</b>	1,465
<b>Expenses</b>		
Operating expenses (Note 4)	1,270	1,215
Finance charges (Note 5)	171	158
<b>Net Income</b>	<b>80</b>	92
<b>OTHER COMPREHENSIVE INCOME</b>		
<b>Items Reclassified Subsequently to Net Income</b>		
Effective portion of changes in fair value of derivatives designated as cash flow hedges (Note 14)	(7)	19
Reclassification to income of derivatives designated as cash flow hedges (Note 14)	6	4
Foreign currency translation (losses) gains	2	(3)
Other Comprehensive Income	1	20
<b>Total Comprehensive Income</b>	<b>\$ 81</b>	\$ 112

*See accompanying Notes to the Unaudited Condensed Consolidated Interim Financial Statements.*

**UNAUDITED CONDENSED CONSOLIDATED INTERIM STATEMENTS OF FINANCIAL POSITION**

<i>(in millions)</i>	<i>As at June 30 2018</i>	<i>As at March 31 2018</i>
<b>ASSETS</b>		
<b>Current Assets</b>		
Cash and cash equivalents	\$ 46	\$ 42
Accounts receivable and accrued revenue	611	810
Inventories (Note 7)	160	144
Prepaid expenses	211	167
Current portion of derivative financial instrument assets (Note 14)	103	174
	<b>1,131</b>	<b>1,337</b>
<b>Non-Current Assets</b>		
Property, plant and equipment (Note 8)	25,397	25,083
Intangible assets (Note 8)	595	591
Regulatory assets (Note 9)	5,852	5,892
Derivative financial instrument assets (Note 14)	132	156
Other non-current assets (Note 10)	689	683
	<b>32,665</b>	<b>32,405</b>
	<b>\$ 33,796</b>	<b>\$ 33,742</b>
<b>LIABILITIES AND EQUITY</b>		
<b>Current Liabilities</b>		
Accounts payable and accrued liabilities	\$ 1,194	\$ 1,621
Current portion of long-term debt (Note 11)	3,194	3,344
Current portion of derivative financial instrument liabilities (Note 14)	105	112
	<b>4,493</b>	<b>5,077</b>
<b>Non-Current Liabilities</b>		
Long-term debt (Note 11)	17,717	17,020
Regulatory liabilities (Note 9)	724	437
Derivative financial instrument liabilities (Note 14)	59	66
Contributions in aid of construction	1,900	1,874
Post-employment benefits (Note 13)	1,482	1,474
Other non-current liabilities (Note 15)	1,943	2,338
	<b>23,825</b>	<b>23,209</b>
<b>Shareholder's Equity</b>		
Contributed surplus	60	60
Retained earnings	5,368	5,347
Accumulated other comprehensive income	50	49
	<b>5,478</b>	<b>5,456</b>
	<b>\$ 33,796</b>	<b>\$ 33,742</b>

**Commitments (Note 8)****Subsequent Event (Note 8)**

See accompanying Notes to the Unaudited Condensed Consolidated Interim Financial Statements.

Approved on behalf of the Board:

Kenneth G. Peterson  
Chair, Board of Directors

Len Boggio, FCPA, FCA, ICD.D  
Chair, Audit & Finance Committee

British Columbia Hydro and Power Authority

**UNAUDITED CONDENSED CONSOLIDATED INTERIM STATEMENTS OF CHANGES IN EQUITY**

<i>(in millions)</i>	Cumulative Translation Reserve	Unrealized Gains (Losses) on Cash Flow Hedges	Total Accumulated Other Comprehensive Income	Contributed Surplus	Retained Earnings	Total
<b>Balance as at April 1, 2017</b>	\$ 83	\$ (56)	\$ 27	\$ 60	\$ 4,822	\$ 4,909
Payment to the Province (Note 12)	-	-	-	-	(159)	(159)
Comprehensive Income (Loss)	(3)	23	20	-	92	112
<b>Balance as at June 30, 2017</b>	<b>\$ 80</b>	<b>\$ (33)</b>	<b>\$ 47</b>	<b>\$ 60</b>	<b>\$ 4,755</b>	<b>\$ 4,862</b>
<b>Balance as at April 1, 2018</b>	\$ 78	\$ (29)	\$ 49	\$ 60	\$ 5,347	\$ 5,456
Payment to the Province (Note 12)	-	-	-	-	(59)	(59)
Comprehensive Income (Loss)	2	(1)	1	-	80	81
<b>Balance as at June 30, 2018</b>	<b>\$ 80</b>	<b>\$ (30)</b>	<b>\$ 50</b>	<b>\$ 60</b>	<b>\$ 5,368</b>	<b>\$ 5,478</b>

*See accompanying Notes to the Unaudited Condensed Consolidated Interim Financial Statements.*

**UNAUDITED CONDENSED CONSOLIDATED INTERIM STATEMENTS OF CASH FLOWS**

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	<b>2017</b>
<b>Operating Activities</b>		
Net income	\$ 80	\$ 92
Regulatory account transfers (Note 9)	(92)	(105)
Adjustments for non-cash items:		
Amortization of regulatory accounts (Notes 6 and 9)	104	93
Amortization and depreciation expense (Note 6)	215	207
Unrealized losses on mark-to-market of financial instruments	14	21
Employee benefit plan expenses	26	27
Interest accrual	205	194
Other items	10	19
	<b>562</b>	<b>548</b>
Changes in:		
Accounts receivable and accrued revenue	201	186
Prepaid expenses	(44)	(29)
Inventories	(16)	2
Accounts payable, accrued liabilities and other non-current liabilities	(98)	(93)
Contributions in aid of construction	29	30
Other non-current assets	(76)	2
	<b>(4)</b>	<b>98</b>
Interest paid	<b>(326)</b>	<b>(307)</b>
<b>Cash provided by operating activities</b>	<b>232</b>	<b>339</b>
<b>Investing Activities</b>		
Property, plant and equipment and intangible asset expenditures	<b>(678)</b>	<b>(533)</b>
<b>Cash used in investing activities</b>	<b>(678)</b>	<b>(533)</b>
<b>Financing Activities</b>		
Long-term debt:		
Issued (Note 11)	874	295
Retired (Note 11)	(457)	(40)
Receipt of revolving borrowings	1,913	2,577
Repayment of revolving borrowings	(1,780)	(2,642)
Settlement of derivatives	61	-
Payment to the Province (Note 12)	(159)	-
Other items	(2)	(7)
<b>Cash provided by financing activities</b>	<b>450</b>	<b>183</b>
<b>Increase (Decrease) in cash and cash equivalents</b>	<b>4</b>	<b>(11)</b>
<b>Cash and cash equivalents, beginning of period</b>	<b>42</b>	<b>49</b>
<b>Cash and cash equivalents, end of period</b>	<b>\$ 46</b>	<b>\$ 38</b>

See accompanying Notes to the Unaudited Condensed Consolidated Interim Financial Statements.

## NOTE 1: REPORTING ENTITY

British Columbia Hydro and Power Authority (BC Hydro) was established in 1962 as a Crown Corporation of the Province of British Columbia (the Province) by enactment of the *Hydro and Power Authority Act*. As directed by the *Hydro and Power Authority Act*, BC Hydro's mandate is to generate, manufacture, conserve and supply power. BC Hydro owns and operates electric generation, transmission and distribution facilities in the province of British Columbia.

The condensed consolidated interim financial statements (interim financial statements) of BC Hydro include the accounts of BC Hydro and its principal wholly-owned operating subsidiaries Powerex Corp. (Powerex), Powertech Labs Inc. (Powertech), and Columbia Hydro Constructors Ltd. (Columbia), (collectively with BC Hydro, the Company) including BC Hydro's one third interest in the Waneta Dam and Generating Facility (Waneta). All intercompany transactions and balances are eliminated on consolidation.

The Company accounts for its one third interest in Waneta as a joint operation. The interim financial statements include the Company's proportionate share in Waneta, including its share of any liabilities and expenses incurred jointly with Teck Metals Ltd. and its revenue from the sale of the output in relation to Waneta.

## NOTE 2: BASIS OF PRESENTATION

### Basis of Accounting

These interim financial statements have been prepared in accordance with the significant accounting policies that have been established based on the financial reporting provisions prescribed by the Province pursuant to Section 23.1 of the *Budget Transparency and Accountability Act* (BTAA) and Section 9.1 of the *Financial Administration Act* (FAA). In accordance with the directive issued by the Province's Treasury Board, BC Hydro is to prepare these interim financial statements in accordance with the accounting principles of International Financial Reporting Standards (IFRS), combined with regulatory accounting in accordance with Financial Accounting Standards Board Accounting Standards Codification 980 (ASC 980), *Regulated Operations*, except as specified in Treasury Board Regulation B.C. Reg 146/2011 section 5(3) (collectively, the Prescribed Standards). The application of ASC 980 results in BC Hydro recognizing in the statement of financial position the deferral and amortization of certain costs and recoveries that have been approved by the British Columbia Utilities Commission (BCUC) for inclusion in future customer rates. Such regulatory costs and recoveries would be included in the determination of comprehensive income in absence of regulatory deferral.

The impact of the application of ASC 980 on these interim financial statements with respect to BC Hydro's regulatory accounts is described in Note 9.

These interim financial statements have been prepared by management in accordance with principles of IAS 34, *Interim Financial Reporting* and the Prescribed Standards and were prepared using the same accounting policies as described in BC Hydro's 2018 Annual Service Plan Report, except for changes as a result of the adoption of IFRS 15, *Revenue from Contracts with Customers* (IFRS 15) and IFRS 9, *Financial Instruments* (IFRS 9). These interim financial statements should be read in conjunction with the

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018

Annual Consolidated Financial Statements and accompanying notes in BC Hydro's 2018 Annual Service Plan Report.

These interim financial statements were approved on behalf of the Board of Directors on August 20, 2018.

The following are the significant accounting policies changes.

### **IFRS 15 - Revenue from Contracts with Customers**

Effective April 1, 2018, the Company adopted IFRS 15, which replaces existing standards IAS 18, *Revenue*, IAS 11, *Construction Contracts* and IFRIC 18, *Transfers of Assets from Customers*. The Company adopted the standard on a modified retrospective basis, under which comparative periods are not restated and the cumulative impact of applying the standard is recognized at the date of initial adoption supplemented by additional disclosures.

The IFRS 15 recognition model is based on the principle of the transfer of control rather than the transfer of risks and rewards used under IAS 18. IFRS 15 applies a five-step model to determine when to recognize revenue and determine the measurement of the revenue.

The Company recognizes revenue when it transfers control over a promised good or service, which constitutes a performance obligation under the contract, to a customer and where the Company is entitled to consideration as a result of completion of the performance obligation. Depending on the terms of the contract with the customer, revenue recognition can occur at a point in time or over time. When a performance obligation is satisfied, revenue is measured at the transaction price that is allocated to that performance obligation.

Domestic revenues comprise sales to customers within the province of British Columbia and sales of firm energy outside the province under long-term contracts that are reflected in the Company's domestic load requirements. Other sales outside the province are classified as trade.

A significant portion of the Company's revenue is generated from providing electricity goods and services. Revenue is recognized over time as the Company's customers simultaneously receive and consume the electricity goods and services as it is provided. Revenue is determined on the basis of billing cycles and also includes accruals for electricity deliveries not yet billed.

Energy trading contracts that meet the definition of a financial or non-financial derivative are accounted for at fair value whereby any realized gains and losses and unrealized changes in the fair value are recognized in trade revenues in the period of change. Unrealized changes in the fair value of these contracts are accounted for under IFRS 9.

Energy trading and other contracts which do not meet the definition of a derivative are accounted for on an accrual basis whereby the realized gains and losses are recognized as revenue as the contracts are settled. Such contracts are considered to be settled when control of products and services are transferred to the buyer and performance obligation is satisfied.

Refer to "Impact of Changes in Accounting Policies" contained below for the cumulative effect of the adoption of IFRS 15 on the Consolidated Statement of Financial Position as at April 1, 2018 and Note 3 for

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
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the effect on the Condensed Consolidated Interim Statement of Comprehensive Income for the three month period ended June 30, 2018.

### IFRS 9 - Financial Instruments

Effective April 1, 2018, the Company adopted IFRS 9, which replaces existing standard IAS 39, *Financial Instruments: Recognition and Measurement* (IAS 39) in accordance with the transitional provisions of the standard. In addition, the Company adopted IFRS 7: *Financial Instruments: Disclosures* – Disclosure amendments and additions from IFRS 9 Implementation.

IFRS 9 addresses the classification, measurement and recognition of financial assets and financial liabilities and supersedes the guidance relating to the classification and measurement of financial instruments in IAS 39. IFRS 9 requires financial assets to be classified into three measurement categories on initial recognition: those measured at fair value through profit and loss (FVTPL), those measured at fair value through other comprehensive income (FVOCI) and those measured at amortized cost. As permitted by the transitional provision for hedge accounting under IFRS 9, the Company has elected to continue with the hedging requirements of IAS 39 and not adopt the hedging requirements of IFRS 9.

The Company determines the classification of its financial assets and liabilities at initial recognition. Classification of financial assets and liabilities is determined based on the business model by which assets and liabilities are managed and their cash flow characteristics. The change in the classification of financial assets and liabilities has been applied retrospectively and did not result in a change in the carrying amount of any financial instruments at the transition date.

A financial asset is measured at FVTPL if it is classified as held for trading or is designated as such upon initial recognition. The Company may designate financial instruments as held at FVTPL when such financial instruments have a reliably determinable fair value and where doing so eliminates or significantly reduces a measurement or recognition inconsistency that would otherwise arise from measuring assets and liabilities or recognizing gains and losses on them on a different basis. All derivative instruments are categorized as FVTPL unless they are designated as accounting hedges.

Financial assets and liabilities are measured at amortized cost if the business model is to hold the instrument for collection or payment of contractual cash flows and those cash flows are solely principal and interest. If the business model is not to hold the instruments, it is classified as FVTPL. Financial assets and liabilities are recognized initially at fair value plus any directly attributable transaction costs. After initial recognition they are measured at amortized cost using the effective interest method less any impairment losses in the impairment of financial assets.

Under IFRS 9, the financial asset impairment model moves from the ‘incurred loss’ model in IAS 39 to a single, forward-looking ‘expected loss’ model. The expected-loss impairment model requires an entity to recognize expected credit losses when financial instruments are initially recognized and to update the amount of expected credit losses recognized at each reporting date to reflect changes in the credit risk of the financial instruments.

The Company has reviewed the expected credit losses on the accounts receivable and accrued revenue, and non-current receivables. For accounts receivable without a significant financing component, the Company applied the simplified approach for determining expected credit losses, which requires the Company to

**NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018**

determine the lifetime expected losses for all accounts receivable and accrued revenue. For a non-current receivable with a significant financing component, the Company measures the expected credit loss at an amount equal to the 12-month expected credit loss at initial recognition. If the credit risk has increased significantly since initial recognition, the Company measures the expected credit loss at an amount equal to the lifetime expected credit loss. The expected lifetime credit loss provision and 12-month expected credit loss is based on historical counterparty default rates, third party default probabilities and credit ratings, and is adjusted for relevant forward looking information specific to the counterparty, when required.

The adoption of IFRS 9 had no significant impact on the Consolidated Statement of Financial Position as at April 1, 2018. Refer to Note 14 for the effect on the Condensed Consolidated Statement of Comprehensive Income for the three month period ended June 30, 2018.

## British Columbia Hydro and Power Authority

### NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS FOR THE THREE MONTHS ENDED JUNE 30, 2018

#### Impact of Changes in Accounting Policies

<i>(in millions)</i>	IFRS 15 Adjustments			
<i>As at March 31 2018</i>	<i>Receivables and Unearned Revenue<sup>1</sup></i>	<i>Skagit Agreement<sup>2</sup></i>	<i>As at April 1 2018</i>	
<b>ASSETS</b>				
<b>Current Assets</b>				
Cash and cash equivalents	\$ 42	\$ -	\$ -	\$ 42
Accounts receivable and accrued revenue	810	-	-	810
Inventories	144	-	-	144
Prepaid expenses	167	-	-	167
Current portion of derivative financial instrument assets	174	-	-	174
	1,337	-	-	1,337
<b>Non-Current Assets</b>				
Property, plant and equipment	25,083	-	-	25,083
Intangible assets	591	-	-	591
Regulatory assets	5,892	(1)	-	5,891
Derivative financial instrument assets	156	-	-	156
Other non-current assets	683	(51)	-	632
	32,405	(52)	-	32,353
	\$ 33,742	\$ (52)	\$ -	\$ 33,690
<b>LIABILITIES AND EQUITY</b>				
<b>Current Liabilities</b>				
Accounts payable and accrued liabilities	\$ 1,621	\$ -	\$ -	\$ 1,621
Current portion of long-term debt	3,344	-	-	3,344
Current portion of derivative financial instrument liabilities	112	-	-	112
	5,077	-	-	5,077
<b>Non-Current Liabilities</b>				
Long-term debt	17,020	-	-	17,020
Regulatory liabilities	437	(5)	319	751
Derivative financial instrument liabilities	66	-	-	66
Contributions in aid of construction	1,874	-	-	1,874
Post-employment benefits	1,474	-	-	1,474
Other non-current liabilities	2,338	(47)	(319)	1,972
	23,209	(52)	-	23,157
<b>Shareholder's Equity</b>				
Contributed surplus	60	-	-	60
Retained earnings	5,347	-	-	5,347
Accumulated other comprehensive income	49	-	-	49
	5,456	-	-	5,456
	\$ 33,742	\$ (52)	\$ -	\$ 33,690

<sup>1</sup> There was a decrease of \$51 million in non-current receivables within other non-current assets and a decrease of \$47 million in unearned revenue within other non-current liabilities due to the new prescriptive guidance in IFRS 15 regarding recognition of receivables and related unearned revenue amounts. The net difference of \$4 million was recognized in regulatory assets/liabilities.

<sup>2</sup> There was a decrease of \$319 million in the unearned revenue liability account within other non-current liabilities as a result of adjusting the measurement of the transaction price due to a significant customer financing component for upfront consideration received under the Skagit River, Ross Lake and the Seven Mile Reservoir on the Pend d'Oreille River agreement (collectively the Skagit River Agreement). To ensure ratepayers receive the benefit of this accounting change, the corresponding increase was transferred to the Heritage Deferral Account regulatory liability balance instead of adjusting retained earnings.

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018

**NOTE 3: REVENUE**

The Company disaggregates revenue by revenue types and customer class, which are considered to be the most relevant revenue information for management to consider in allocating resources and evaluating performance.

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
<b>Domestic</b>		
Residential	\$ 433	\$ 436
Light industrial and commercial	467	430
Large industrial	192	182
Other sales	80	83
Total Domestic Revenue Before Regulatory Transfers	1,172	1,131
Rate smoothing and energy deferral regulatory transfers	118	98
<b>Total Domestic</b>	<b>1,290</b>	1,229
<b>Total Trade</b>	<b>231</b>	236
<b>Total Revenue</b>	<b>\$ 1,521</b>	\$ 1,465

**NOTE 4: OPERATING EXPENSES**

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
Electricity and gas purchases	\$ 484	\$ 458
Water rentals	81	79
Transmission charges	42	43
Personnel expenses	156	144
Materials and external services	145	154
Amortization and depreciation (Note 6)	319	300
Grants, taxes and other costs	78	77
Less: Capitalized costs	(35)	(40)
	<b>\$ 1,270</b>	\$ 1,215

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018

**NOTE 5: FINANCE CHARGES**

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
Interest on long-term debt	\$ <b>215</b>	\$ 200
Interest on finance lease liabilities	<b>11</b>	11
Less: Other recoveries	<b>(17)</b>	(21)
Capitalized interest	<b>(38)</b>	(32)
	<b>\$ 171</b>	\$ 158

**NOTE 6: AMORTIZATION AND DEPRECIATION**

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
Depreciation of property, plant and equipment	\$ <b>194</b>	\$ 186
Amortization of intangible assets	<b>21</b>	21
Amortization of regulatory accounts (Note 9)	<b>104</b>	93
	<b>\$ 319</b>	\$ 300

**NOTE 7: INVENTORIES**

<i>(in millions)</i>	<i>As at June 30 2018</i>	<i>As at March 31 2018</i>
Materials and supplies	\$ <b>149</b>	\$ 142
Natural gas trading inventories	<b>11</b>	2
	<b>\$ 160</b>	\$ 144

No natural gas trading inventories are pledged as security for liabilities.

**NOTE 8: PROPERTY, PLANT AND EQUIPMENT AND INTANGIBLE ASSETS**

Property, plant and equipment and intangible asset expenditures, before contributions in aid of construction, for the three months ended June 30, 2018 were \$539 million (2017 - \$576 million).

As of June 30, 2018, the Company has contractual commitments to spend \$4,827 million on major property, plant and equipment projects (for individual projects greater than \$50 million), which includes \$1.2 billion relating to the purchase of the remaining two-thirds share of the Waneta Dam and Generating Station (Waneta) from Teck Resources Limited (Teck).

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
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On August 1, 2017, BC Hydro agreed to exercise its option to purchase the remaining two-thirds interest of Waneta from Teck for \$1.2 billion. The purchase agreement includes a 20 year agreement, at fixed prices, providing Teck with a leasehold interest in the two-thirds portion of Waneta. Teck has an option to extend the agreement for a further 10 years. On July 26, 2018, BC Hydro completed this transaction.

## NOTE 9: RATE REGULATION

On March 1, 2018, the BCUC issued Order No. G-47-18, which approved final rate increases of 4.0 per cent for fiscal 2017, 3.5 per cent for fiscal 2018, and 3.0 per cent for fiscal 2019. In addition, the BCUC directed the establishment of two new regulatory accounts, the Post Employment Benefit Current Pension Costs Regulatory Account and the Dismantling Cost Regulatory Account and the closure of the Future Removal and Site Restoration Regulatory Accounts.

### *Regulatory Accounts*

The following regulatory assets and liabilities have been established through rate regulation. In the absence of rate regulation, these amounts would be reflected in total comprehensive income. For the three months ended June 30, 2018, the impact of regulatory accounting has resulted in a net decrease to total comprehensive income of \$12 million (2017 - \$12 million increase). For each regulatory account, the amount reflected in the Net Change column in the following regulatory tables represents the impact on comprehensive income for the applicable year. Under rate regulated accounting, a net decrease in a regulatory asset or a net increase in a regulatory liability results in a decrease to comprehensive income.

British Columbia Hydro and Power Authority

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018

<i>(in millions)</i>	<i>As at April 1 2018</i>	<i>Addition (Reduction)</i>	<i>Interest</i>	<i>Amortization</i>	<i>Net Change</i>	<i>As at June 30 2018</i>
<b>Regulatory Assets</b>						
Non-Heritage Deferral Account <sup>1</sup>	\$ 462	\$ 44	\$ 5	\$ (51)	\$ (2)	\$ 460
Trade Income Deferral Account	127	(56)	1	(14)	(69)	58
Demand-Side Management	903	11	-	(25)	(14)	889
First Nations Provisions & Costs	518	7	1	(10)	(2)	516
Non-Current Pension Costs	304	-	-	(15)	(15)	289
Site C	472	-	5	-	5	477
CIA Amortization	88	(1)	-	-	(1)	87
Environmental Provisions & Costs	261	2	(1)	(8)	(7)	254
Smart Metering & Infrastructure	239	-	2	(8)	(6)	233
IFRS Pension	535	-	-	(9)	(9)	526
IFRS Property, Plant & Equipment	1,025	17	-	(7)	10	1,035
Rate Smoothing	815	71	-	-	71	886
Other Regulatory Accounts	142	3	1	(4)	-	142
<b>Total Regulatory Assets</b>	<b>5,891</b>	<b>98</b>	<b>14</b>	<b>(151)</b>	<b>(39)</b>	<b>5,852</b>
<b>Regulatory Liabilities</b>						
Heritage Deferral Account <sup>1</sup>	423	4	1	(11)	(6)	417
Foreign Exchange Gains and Losses	31	(2)	-	(10)	(12)	19
Debt Management	158	10	-	-	10	168
Total Finance Charges <sup>1</sup>	134	2	-	(25)	(23)	111
Other Regulatory Accounts	5	5	-	(1)	4	9
<b>Total Regulatory Liabilities</b>	<b>751</b>	<b>19</b>	<b>1</b>	<b>(47)</b>	<b>(27)</b>	<b>724</b>
<b>Net Regulatory Asset</b>	<b>\$ 5,140</b>	<b>\$ 79</b>	<b>\$ 13</b>	<b>\$ (104)</b>	<b>\$ (12)</b>	<b>\$ 5,128</b>

<sup>1</sup> As a result of the adoption of IFRS 15, the opening balances as at April 1, 2018 of the Heritage Deferral Account includes an increase of \$319 million to the liability balance, the Non-Heritage Deferral Account includes a decrease of \$1 million to the asset balance and the Total Finance Charges regulatory account includes a decrease of \$5 million to the liability balance, for a total reduction to the net regulatory asset balance of \$315 million. Refer to Note 2 for more details.

**NOTE 10: OTHER NON-CURRENT ASSETS**

<i>(in millions)</i>	<i>As at June 30 2018</i>	<i>As at March 31 2018</i>
Non-current receivables	\$ 193	\$ 245
Sinking funds	187	182
Other	309	256
	<b>\$ 689</b>	<b>\$ 683</b>

**NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
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Included in the non-current receivables balance are \$142 million of receivables (March 31, 2018 - \$191 million) attributable to contributions-in-aid and tariff supplemental charges related to a transmission line and \$19 million of receivables (March 31, 2018 - \$28 million) from mining customers participating in the Mining Customer Payment Plan that was established in February 2016 as a result of a direction from the Province.

Included in the other balance is long-term portion of prepaid expenses from Site C of \$286 million (March 31, 2018 - \$229 million).

**NOTE 11: LONG-TERM DEBT AND DEBT MANAGEMENT**

The Company's long-term debt comprises bonds and revolving borrowings obtained under an agreement with the Province.

The Company has a commercial paper borrowing program with the Province which is limited to \$4,500 million, and is included in revolving borrowings. At June 30, 2018, the outstanding amount under the borrowing program was \$2,185 million (March 31, 2018 - \$2,053 million).

For the three months ended June 30, 2018, the Company issued bonds for net proceeds of \$874 million (2017 - \$295 million) and a par value of \$900 million (2017 - \$300 million), a weighted average effective interest rate of 3.0 per cent (2017 - 2.9 per cent) and a weighted average term to maturity of 21.3 years (2017 - 31.0 years).

For the three months ended June 30, 2018, the Company redeemed bonds with par value of \$457 million (2017 - \$40 million par value).

**NOTE 12: CAPITAL MANAGEMENT**

Orders in Council from the Province establish the basis for determining the Company's equity for regulatory purposes, as well as the annual Payment to the Province (see below). Capital requirements are consequently managed through the retention of equity subsequent to the Payment to the Province. For this purpose, the applicable Order in Council defines debt as revolving borrowings and interest-bearing borrowings less investments held in sinking funds and cash and cash equivalents. Equity comprises retained earnings, accumulated other comprehensive income, and contributed surplus. The Company monitors its capital structure on the basis of its debt to equity ratio.

During the three months ended June 30, 2018, there were no changes in the approach to capital management.

NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED INTERIM FINANCIAL STATEMENTS  
FOR THE THREE MONTHS ENDED JUNE 30, 2018

The debt to equity ratio at June 30, 2018, and March 31, 2018 was as follows:

<i>(in millions)</i>	<i>As at June 30 2018</i>	<i>As at March 31 2018</i>
Total debt, net of sinking funds	\$ 20,724	\$ 20,182
Less: Cash and cash equivalents	(46)	(42)
<b>Net Debt</b>	<b>\$ 20,678</b>	<b>\$ 20,140</b>
Retained earnings	\$ 5,368	\$ 5,347
Contributed surplus	60	60
Accumulated other comprehensive income	50	49
<b>Total Equity</b>	<b>\$ 5,478</b>	<b>\$ 5,456</b>
<b>Net Debt to Equity Ratio</b>	<b>79 : 21</b>	<b>79 : 21</b>

### *Payment to the Province*

In accordance with Order in Council No. 095/2014 from the Province, for fiscal 2018 and subsequent years, the payment to the Province will be reduced by \$100 million per year based on the payment in the immediate preceding fiscal year until it reaches zero and will thereafter remain at zero until BC Hydro achieves a 60:40 debt to equity ratio.

The fiscal 2018 Payment to the Province was \$159 million and was paid in June 2018. As a result, the Payment for fiscal 2019 will be \$59 million and the Company has accrued \$59 million as at June 30, 2018.

### **NOTE 13: POST-EMPLOYMENT BENEFITS**

The expense recognized for the Company's defined benefit plans prior to any capitalization of employment costs attributable to property, plant and equipment and intangible asset additions and prior to the application of regulatory accounting for the three months ended June 30, 2018 was \$41 million (2017 - \$41 million).

Company contributions to the registered defined benefit pension plans for the three months ended June 30, 2018 were \$11 million (2017 - \$10 million).

### **NOTE 14: FINANCIAL INSTRUMENTS**

Finance charges, including interest income and expenses, for financial instruments disclosed in this note are prior to the application of regulatory accounting for the three months ended June 30, 2018 and 2017 (except where noted).

*Classification and Measurement of Financial Instruments*

The Company adopted IFRS 9 on April 1, 2018 in accordance with the transitional provisions of the standard. The Company has assessed the classification and measurement of financial assets and financial liabilities under IFRS 9. The original measurement categories under IAS 39 and the new measurement categories under IFRS 9 are summarized in the following table:

	<b>IAS 39</b>	<b>IFRS 9</b>
Short-term investments	FVTPL	FVTPL
Derivatives not in a hedging relationship	FVTPL	FVTPL
Cash	Loans and receivables	Amortized cost
Restricted cash	Loans and receivables	Amortized cost
Accounts receivable and other receivables	Loans and receivables	Amortized cost
US dollar sinking funds	Held to maturity	Amortized cost
Accounts payable and accrued liabilities	Other financial liabilities	Amortized cost
Revolving borrowings	Other financial liabilities	Amortized cost
Long-term debt (including current portion due in one year)	Other financial liabilities	Amortized cost
Finance lease obligations, First Nations liabilities and Other liabilities presented in Other long-term liabilities	Other financial liabilities	Amortized cost

There has been no change in the carrying value or fair value of the Company's financial instruments or to previously reported figures as a result of changes to the measurement categories in the table noted above.

The following table provides a comparison of carrying values and fair values for non-derivative financial instruments as at June 30, 2018 and March 31, 2018. The fair values of non-derivative financial instruments, where the carrying value differs from fair value, are classified as Level 2 of the fair value hierarchy.

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<i>(in millions)</i>	June 30, 2018		March 31, 2018	
	Carrying Value	Fair Value	Carrying Value	Fair Value
<b>Fair Value Through Profit or Loss (FVPTL):</b>				
Cash equivalents - short-term investments	\$ 46	\$ 46	\$ 31	\$ 31
<b>Amortized Cost:</b>				
Accounts receivable and accrued revenue	611	611	810	810
Non-current receivables	193	186	245	228
Cash	-	-	11	11
Sinking funds	187	203	182	201
Accounts payable and accrued liabilities	(1,194)	(1,194)	(1,621)	(1,621)
Revolving borrowings	(2,185)	(2,185)	(2,053)	(2,053)
Long-term debt (including current portion due in one year)	(18,726)	(21,241)	(18,311)	(20,814)
First Nations liabilities (non-current portion)	(393)	(670)	(399)	(652)
Finance lease obligations (non-current portion)	(651)	(651)	(653)	(653)
Other liabilities	(419)	(423)	(409)	(416)

The carrying value of cash, cash equivalents, loans and receivables, accounts payable and accrued liabilities, and revolving borrowings approximates fair value due to the short duration of these financial instruments.

### *Financial Risk Management Overview*

The Company is exposed to a number of financial risks in the normal course of its business operations, including market risks resulting from fluctuations in commodity prices, interest rates and foreign currency exchange rates, as well as credit risks and liquidity risks. The nature of the financial risks and the Company's strategy for managing these risks has not changed significantly from the prior year. Risk management strategies and policies are employed to ensure that any exposures to these risks are in compliance with the Company's business objectives and risk tolerance levels set out in the Company's Treasury Risk Management Policy and Liability Risk Management Annual Strategic Plan. Responsibility for the oversight of risk management is held by the Company's Board of Directors and is implemented and monitored by senior management within the Company.

The following discussion is limited to the nature and extent of risks arising from financial instruments, as defined under IFRS 7, *Financial Instruments: Disclosures*. However, for a complete understanding of the nature and extent of financial risks the Company is exposed to, this note should be read in conjunction with the Company's discussion of Risk Management found in the Management's Discussion and Analysis section of the 2018 Annual Service Plan Report.

#### **(a) Credit Risk**

Credit risk refers to the risk that one party to a financial instrument will cause a financial loss for a counterparty by failing to discharge an obligation. The Company is exposed to credit risk related to cash and cash equivalents, restricted cash, accounts receivable, non-current receivables, sinking fund investments, and derivative instruments. The Company manages financial institution credit risk through a Board-approved treasury risk management policy. Exposures to credit risks are monitored on a regular

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basis. Our large customers are assessed for credit quality by taking into account external credit ratings, where available, an analysis of financial position and liquidity, past experience and other factors. The Company assigns credit limits for counterparties based on evaluations of their financial condition, net worth, credit ratings, and other credit criteria. For some customers, we may obtain security over accounts receivable in the form of a security deposit. Refer to the Company's annual consolidated financial statements for the year ended March 31, 2018 for other credit risk management procedures and practices under credit risk within the financial instrument note. Maximum credit risk with respect to financial assets is limited to the carrying amount presented on the statement of financial position with the exception of U.S. dollar sinking funds classified as amortized cost and carried on the statement of financial position at \$187 million. The maximum credit risk exposure for these U.S. dollar sinking funds as at June 30, 2018 is their fair value of \$203 million.

**(b) Liquidity Risk**

Liquidity risk refers to the risk that the Company will encounter difficulty in meeting obligations associated with financial liabilities. The Company manages liquidity risk by forecasting cash flows to identify financing requirements and by maintaining a commercial paper borrowing program under an agreement with the Province (see Note 11). The Company's long-term debt comprises bonds and revolving borrowings obtained under an agreement with the Province. Cash from operations reduces the Company's liquidity risk. The Company does not believe that it will encounter difficulty in meeting its obligations associated with financial liabilities.

**(c) Market Risks**

Market risk refers to the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risk comprises three types of risk: currency risk, interest rate risk, and other price risk, such as changes in commodity prices. The Company monitors its exposure to market fluctuations and may use derivative contracts to manage these risks, as it considers appropriate.

**(i) Currency Risk**

Currency risk refers to the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. The Company's currency risk is primarily with the U.S. dollar.

The majority of the Company's currency risk arises from long-term debt in the form of U.S. dollar denominated bonds. Energy commodity prices are also subject to currency risk as they are primarily denominated in U.S. dollars. As a result, the Company's trade revenues and purchases of energy commodities, such as electricity and natural gas, and associated accounts receivable and accounts payable, are affected by the Canadian/U.S. dollar exchange rate. In addition, all commodity derivatives and contracts priced in U.S. dollars are also affected by the Canadian/U.S. dollar exchange rate.

The Company actively manages its currency risk through its Treasury Risk Management Policy. The Company uses cross-currency swaps and forward foreign exchange purchase contracts to achieve and maintain foreign currency exposure targets.

(ii) Interest Rate Risk

Interest rate risk refers to the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company is exposed to changes in interest rates primarily through its variable rate debt and the active management of its debt portfolio including its related sinking fund assets and temporary investments. The Company actively manages its interest rate risk through its Treasury Risk Management Policy. The Company uses interest rate swaps and bond locks to lock in interest rates on future debt issues to protect against rising interest rates.

(iii) Commodity Price Risk

The Company is exposed to commodity price risk as fluctuations in electricity prices and natural gas prices could have a materially adverse effect on its financial condition. Prices for electricity and natural gas fluctuate in response to changes in supply and demand, market uncertainty, and other factors beyond the Company's control.

Risk management strategies, policies and limits are designed to ensure the Company's risks and related exposures are aligned with the Company's business objectives and risk tolerance. Powerex enters into commodity derivative contracts to manage commodity price risk. These risks are managed within defined limits that are regularly reviewed by the Board of Directors of Powerex.

### *Derivative Financial Instruments*

The Company may use derivative financial instruments to manage interest rate and foreign exchange risks related to debt and to manage risks related to electricity and natural gas commodity transactions.

Interest rate and foreign exchange related derivative instruments that are not designated as hedges, are classified as FVTPL whereby instruments are recorded at fair value as either an asset or liability with changes in fair value recognized in net income in the period of change. For liability management activities, the related gains or losses are included in finance charges. For foreign currency exchange risk associated with electricity and natural gas commodity transactions, the related gains or losses are included in domestic revenues. The Company's policy is to not utilize interest rate and foreign exchange related derivative financial instruments for speculative purposes.

Derivative financial instruments are also used by Powerex to manage economic exposure to market risks relating to commodity prices. Derivatives used for energy trading activities that are not designated as hedges are classified as FVTPL whereby instruments are recorded at fair value as either an asset or liability with changes in fair value recognized in net income. Gains or losses are included in trade revenues.

### *Hedges*

As permitted by the transitional provision for hedge accounting under IFRS 9, the Company has elected to continue with the hedging requirements of IAS 39, Financial Instruments: Recognition and Measurement (IAS 39) and not adopt the hedging requirements of IFRS 9.

In a fair value hedging relationship, the carrying value of the hedged item is adjusted for unrealized gains or losses attributable to the hedged risk and recognized in net income. Changes in the fair value of the hedged item attributed to the hedged risk, to the extent that the hedging relationship is effective, are offset by changes in the fair value of the hedging derivative, which is also recorded in net income. When hedge

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accounting is discontinued, the carrying value of the hedged item is no longer adjusted and the cumulative fair value adjustments to the carrying value of the hedged item are amortized to net income over the remaining term of the original hedging relationship, using the effective interest method of amortization.

In a cash flow hedging relationship, the effective portion of the change in the fair value of the hedging derivative is recognized in other comprehensive income. The ineffective portion is recognized in net income. The amounts recognized in accumulated other comprehensive income are reclassified to net income in the periods in which net income is affected by the variability in the cash flows of the hedged item. When hedge accounting is discontinued the cumulative gain or loss previously recognized in accumulated other comprehensive income remains there until the forecasted transaction occurs. When the hedged item is a non-financial asset or liability, the amount recognized in accumulated other comprehensive income is transferred to the carrying amount of the asset or liability when it is recognized. In other cases the amount recognized in accumulated other comprehensive income is transferred to net income in the same period that the hedged item affects net income.

Hedge accounting is discontinued prospectively when the derivative no longer qualifies as an effective hedge, the hedging relationship is discontinued, or the derivative is terminated or sold, or upon the sale or early termination of the hedged item.

The following foreign currency contracts under hedge accounting were in place at June 30, 2018 in a net asset position of \$40 million (March 31, 2018 – net asset \$99 million). Such contracts are used to hedge the principal on \$US denominated long-term debt and the principal and coupon payments on Euro denominated long-term debt for which hedge accounting has been applied. The hedging instruments are effective in offsetting changes in the cash flows of the hedged item attributed to the hedged risk. The main source of hedge ineffectiveness in these hedges is credit risk.

<i>(\$ amounts in millions)</i>	<b>June 30, 2018</b>	March 31, 2018
<b>Cross- Currency Hedging Swaps</b>		
Euro dollar to Canadian dollar - notional amount <sup>1</sup>	€ 402	€ 402
Euro dollar to Canadian dollar - weighted average contract rate	1.47	1.47
Weighted remaining term	10 years	10 years
<b>Foreign Currency Hedging Forwards</b>		
United States dollar to Canadian dollar - notional amount <sup>1</sup>	\$ 573	\$ 773
United States dollar to Canadian dollar - weighted average contract rate	1.25	1.19
Weighted remaining term	12 years	9 years

<sup>1</sup> Notional amount for a derivative instrument is defined as the contractual amount on which payments are calculated.

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The fair value of derivative instruments designated and not designated as hedges, was as follows:

<i>(in millions)</i>	<b>June 30, 2018 Fair Value</b>	March 31, 2018 Fair Value
<b>Designated Derivative Instruments Used to Hedge Risk Associated with Long-term Debt:</b>		
Foreign currency contract assets (cash flow hedges for \$US denominated long-term debt)	\$ 8	\$ 59
Foreign currency contract liabilities (cash flow hedges for \$US denominated long-term debt)	\$ (4)	\$ (8)
Foreign currency contract assets (cash flow hedges for €EURO denominated long-term debt)	\$ 36	\$ 48
	<b>40</b>	99
<b>Non-Designated Derivative Instruments:</b>		
Interest rate contract assets	<b>132</b>	180
Interest rate contract liabilities	<b>(100)</b>	(97)
Foreign currency contract assets	<b>6</b>	6
Commodity derivative assets	<b>53</b>	36
Commodity derivatives liabilities	<b>(60)</b>	(72)
	<b>31</b>	53
Net asset	<b>\$ 71</b>	\$ 152

The carrying value of derivative instruments designated and not designated as hedges was the same as the fair value.

The derivatives are represented on the statement of financial position as follows:

<i>(in millions)</i>	<b>June 30, 2018</b>	March 31, 2018
Current portion of derivative financial instrument assets	\$ 103	\$ 174
Current portion of derivative financial instrument liabilities	<b>(105)</b>	(112)
Derivative financial instrument assets, non-current	<b>132</b>	156
Derivative financial instrument liabilities, non-current	<b>(59)</b>	(66)
Net asset	<b>\$ 71</b>	\$ 152

For designated cash flow hedges for the three months ended June 30, 2018, a loss of \$7 million (2017 - gain of \$19 million) was recognized in other comprehensive income. For the three months ended June 30, 2018, \$6 million (2017 - \$4 million) was reclassified from other comprehensive income and reported in net income, offsetting net foreign exchange gains (2017 - gains) recorded in the period.

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For outstanding interest rate contracts not designated as hedges with an aggregate notional principal of \$4.3 billion (2017 - \$3.4 billion), used to economically hedge the interest rates on future debt issuances, there was a \$1 million increase (2017 - \$19 million increase) in the fair value of these contracts for the three months ended June 30, 2018. For interest rate contracts associated with debt issued, there was a \$9 million increase (2017 - \$15 million decrease) in the fair value of contracts that settled during the three months ended June 30, 2018. The net increase for the three months ended June 30, 2018 of \$10 million in the fair value of these interest rate contracts was transferred to the Debt Management Regulatory Account which had a liability balance of \$168 million as at June 30, 2018.

For foreign currency contracts not designated as hedges for the three months ended June 30, 2018, a gain of \$2 million (2017 – loss of \$2 million) was recognized in finance charges with respect to foreign currency contracts for cash management purposes. For foreign currency contracts not designated as hedges, which comprise primarily of foreign currency contracts for U.S. revolving borrowings, for the three months ended June 30, 2018, such contracts had a loss of \$nil (2017 - loss of \$26 million) recognized in finance charges. These economic hedges offset \$nil of foreign exchange revaluation gains (2017 - gains of \$27 million) recorded in finance charges with respect to U.S. revolving borrowings for the three months ended June 30, 2018.

For commodity derivatives not designated as hedges, a net gain of \$17 million (2017 - loss of \$13 million) was recorded in trade revenue for the three months ended June 30, 2018.

### *Inception Gains and Losses*

Changes in deferred inception gains and losses are as follows:

<i>(in millions)</i>	<i>For the three months ended June 30</i>	
	<b>2018</b>	2017
<b>Deferred inception loss, beginning of the period</b>	\$ 22	\$ 36
New transactions	(11)	(4)
Amortization	9	(5)
Foreign currency translation loss	-	(1)
<b>Deferred inception loss, end of the period</b>	\$ 20	\$ 26

### *Fair Value Hierarchy*

The following provides an analysis of financial instruments that are measured subsequent to initial recognition at fair value, grouped based on the lowest level of input that is significant to that fair value measurement.

The inputs used in determining fair value are characterized by using a hierarchy that prioritizes inputs based on the degree to which they are observable. The three levels of the fair value hierarchy are as follows:

- Level 1 - values are quoted prices (unadjusted) in active markets for identical assets and liabilities.
- Level 2 - inputs are those other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, as of the reporting date.

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- Level 3 - inputs are those that are not based on observable market data.

The following tables present the financial instruments measured at fair value for each hierarchy level as at June 30, 2018 and March 31, 2018:

As at June 30, 2018 ( <i>in millions</i> )	Level 1	Level 2	Level 3	Total
<b>Total financial assets carried at fair value:</b>				
Short-term investments	\$ 46	\$ -	\$ -	\$ 46
Derivatives designated as hedges	-	44	-	44
Derivatives not designated as hedges	35	150	6	191
	<u>\$ 81</u>	<u>\$ 194</u>	<u>\$ 6</u>	<u>\$ 281</u>

As at June 30, 2018 ( <i>in millions</i> )	Level 1	Level 2	Level 3	Total
<b>Total financial liabilities carried at fair value:</b>				
Derivatives designated as hedges	\$ -	\$ (4)	\$ -	\$ (4)
Derivatives not designated as hedges	(53)	(105)	(2)	(160)
	<u>\$ (53)</u>	<u>\$ (109)</u>	<u>\$ (2)</u>	<u>\$ (164)</u>

As at March 31, 2018 ( <i>in millions</i> )	Level 1	Level 2	Level 3	Total
<b>Total financial assets carried at fair value:</b>				
Short-term investments	\$ 31	\$ -	\$ -	\$ 31
Derivatives designated as hedges	-	107	-	107
Derivatives not designated as hedges	17	201	5	223
	<u>\$ 48</u>	<u>\$ 308</u>	<u>\$ 5</u>	<u>\$ 361</u>

As at March 31, 2018 ( <i>in millions</i> )	Level 1	Level 2	Level 3	Total
<b>Total financial liabilities carried at fair value:</b>				
Derivatives designated as hedges	\$ -	\$ (8)	\$ -	\$ (8)
Derivatives not designated as hedges	(62)	(106)	(2)	(170)
	<u>\$ (62)</u>	<u>\$ (114)</u>	<u>\$ (2)</u>	<u>\$ (178)</u>

The Company determines Level 2 fair values for debt securities and derivatives using discounted cash flow techniques, which use contractual cash flows and market-related discount rates.

Level 2 fair values for energy derivatives are determined using inputs other than unadjusted quoted prices that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices). Level 2 includes bilateral and over-the-counter contracts valued using interpolation from observable forward curves or broker quotes from active markets for similar instruments and other publicly available data, and options valued using industry-standard and accepted models incorporating only observable data inputs.

There were no transfers between Level 1 and 2 during the period.

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The following table reconciles the changes in the balance of financial instruments carried at fair value on the statement of financial position, classified as Level 3, for the three months ended June 30, 2018 and 2017:

*(in millions)*

<b>Balance as at April 1, 2018</b>	<b>\$ 3</b>
Net gain recognized	6
Existing transactions settled	(5)
<b>Balance as at June 30, 2018</b>	<b>\$ 4</b>

*(in millions)*

<b>Balance as at April 1, 2017</b>	<b>\$ 37</b>
Net loss recognized	(14)
Existing transactions settled	5
<b>Balance as at June 30, 2017</b>	<b>\$ 28</b>

Level 3 fair values for energy derivatives are determined using inputs that are based on unobservable inputs. Level 3 includes instruments valued using observable prices adjusted for unobservable basis differentials such as delivery location and product quality, instruments which are valued by extrapolation of observable market information into periods for which observable market information is not yet available, and instruments valued using internally developed or non-standard valuation models.

Powerex holds congestion products and structured power transactions that require the use of unobservable inputs when observable inputs are unavailable. Congestion products are valued using forward spreads at liquid hubs that include adjustments for the value of energy at different locations relative to the liquid hub as well as other adjustments that may impact the valuation. Option pricing models are used when the congestion product is an option. Structured power transactions are valued using standard contracts at a liquid hub with adjustments to account for the quality of the energy, the receipt or delivery location, and delivery flexibility where appropriate. Significant unobservable inputs include adjustments for the quality of the energy and the transaction location relative to the reference standard liquid hub.

During the three months ended June 30, 2018, unrealized gains of \$8 million (2017 - \$14 million loss) were recognized on Level 3 derivative commodity instruments held at June 30, 2018. These gains and losses were recognized in trade revenues.

Methodologies and procedures regarding Powerex's energy trading Level 3 fair value measurements are determined by Powerex's Risk Management group. Level 3 fair values are calculated within Powerex's Risk Management policies for trading activities based on underlying contractual data as well as observable and non-observable inputs. Development of non-observable inputs requires the use of judgment. To ensure reasonability, Level 3 fair value measurements are reviewed and validated by Powerex's Risk Management and Finance departments on a regular basis.

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**NOTE 15: OTHER NON-CURRENT LIABILITIES**

<i>(in millions)</i>	<i>As at June 30 2018</i>	<i>As at March 31 2018</i>
Provisions		
Environmental liabilities	\$ 313	\$ 317
Decommissioning obligations	53	53
Other	63	55
	<b>429</b>	425
First Nations liabilities	409	416
Finance lease obligations	663	665
Unearned revenue	209	577
Other liabilities	419	409
	<b>2,129</b>	2,492
Less: Current portion, included in accounts payable and accrued liabilities	<b>(186)</b>	(154)
	<b>\$ 1,943</b>	\$ 2,338

**NOTE 16: SEASONALITY OF OPERATING RESULTS**

Due to the seasonal nature of the Company's operations, the condensed consolidated interim statement of comprehensive income is not indicative of operations on an annual basis. Seasonal impacts of weather, including its impact on water inflows, energy consumption within the region and market prices of energy, can have a significant impact on the Company's operating results.