

Brookfield

BROOKFIELD RENEWABLE PARTNERS L.P.

2019 Supplemental — Information

Year Ended December 31, 2019

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This Supplemental Information contains forward-looking statements and information, within the meaning of Canadian securities laws and “forward-looking statements” within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended, Section 21E of the U.S. Securities Exchange Act of 1934, as amended, “safe harbor” provisions of the United States Private Securities Litigation Reform Act of 1995 and in any applicable Canadian securities regulations, concerning the business and operations of Brookfield Renewable. Forward-looking statements may include estimates, plans, expectations, opinions, forecasts, projections, guidance or other statements that are not statements of fact. Forward-looking statements in this Supplemental Information include statements regarding the quality of Brookfield Renewable’s assets and the resiliency of the cash flow they will generate, Brookfield Renewable’s anticipated financial performance and payout ratio, future commissioning of assets, contracted nature of our portfolio, technology diversification, acquisition opportunities, expected completion of acquisitions, financing and refinancing opportunities, future energy prices and demand for electricity, economic recovery, achieving long-term average generation, project development and capital expenditure costs, energy policies, economic growth, growth potential of the renewable asset class, the future growth prospects and distribution profile of Brookfield Renewable and Brookfield Renewable’s access to capital. In some cases, forward-looking statements can be identified by the use of words such as “plans”, “expects”, “scheduled”, “estimates”, “intends”, “anticipates”, “believes”, “potentially”, “tends”, “continue”, “attempts”, “likely”, “primarily”, “approximately”, “endeavours”, “pursues”, “strives”, “seeks”, “targets”, “believes”, or variations of such words and phrases, or statements that certain actions, events or results “may”, “could”, “would”, “should”, “might” or “will” be taken, occur or be achieved. Although we believe that our anticipated future results, performance or achievements expressed or implied by the forward-looking statements and information in this Supplemental Information are based upon reasonable assumptions and expectations, we cannot assure you that such expectations will prove to have been correct. You should not place undue reliance on forward-looking statements and information as such statements and information involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements to differ materially from anticipated future results, performance or achievement expressed or implied by such forward-looking statements and information.

Factors that could cause actual results to differ materially from those contemplated or implied by forward-looking statements include, but are not limited to changes to hydrology at our hydroelectric facilities, to wind conditions at our wind energy facilities, to irradiance at our solar facilities or to weather generally, as a result of climate change or otherwise, at any of our facilities; volatility in supply and demand in the energy markets; our inability to re-negotiate or replace expiring PPAs on similar terms; increases in water rental costs (or similar fees) or changes to the regulation of water supply; advances in technology that impair or eliminate the competitive advantage of our projects; an increase in the amount of uncontracted generation in our portfolio; industry risks relating to the power markets in which we operate; the termination of, or a change to, the MRE balancing pool in Brazil; increased regulation of our operations; concessions and licenses expiring and not being renewed or replaced on similar terms; our real property rights for wind and solar renewable energy facilities being adversely affected by the rights of lienholders and leaseholders that are superior to those granted to us; increases in the cost of operating our plants; our failure to comply with conditions in, or our inability to maintain, governmental permits; equipment failures, including relating to wind turbines and solar panels; dam failures and the costs and potential liabilities associated with such failures; force majeure events; uninsurable losses and higher insurance premiums; adverse changes in currency exchange rates and our inability to effectively manage foreign currency exposure; availability and access to interconnection facilities and transmission systems; health, safety, security and environmental risks; disputes, governmental and regulatory investigations and litigation; counterparties to our contracts not fulfilling their obligations; the time and expense of enforcing contracts against non-performing counter-parties and the uncertainty of success; our operations being affected by local communities; fraud, bribery, corruption, other illegal acts or inadequate or failed internal processes or systems; our reliance on computerized business systems, which could expose us to cyber-attacks; newly developed technologies in which we invest not performing as anticipated; labor disruptions and economically unfavorable collective bargaining agreements; our inability to finance our operations due to the status of the capital markets; operating and financial restrictions imposed on us by our loan, debt and security agreements; changes to our credit ratings; our inability to identify sufficient investment opportunities and complete transactions; the growth of our portfolio and our inability to realize the expected benefits of our transactions or acquisitions, including the proposed transaction for TerraForm Power; uncertainties as to whether an agreement of the proposed transaction for TerraForm Power will be negotiated and executed; our inability to develop greenfield projects or find new sites suitable for the development of greenfield projects; delays, cost overruns and other problems associated with the construction and operation of generating facilities and risks associated with the arrangements we enter into with communities and joint venture partners; Brookfield Asset Management’s election not to source acquisition opportunities for us and our lack of access to all renewable power acquisitions that Brookfield Asset Management identifies; we do not have control over all our operations or investments; political instability or changes in government policy; foreign laws or regulation to which we become subject as a result of future acquisitions in new markets; changes to government policies that provide incentives for renewable energy; a decline in the value of our investments in securities, including publicly traded securities of other companies; we are not subject to the same disclosure requirements as a U.S. domestic issuer; the separation of economic interest from control within our organizational structure; future sales and issuances of units, preferred units or securities exchangeable for units, or the perception of such sales or issuances, could depress the trading price of the units or preferred units; the incurrence of debt at multiple levels within our organizational structure; being deemed an “investment company” under the Investment Company Act; the effectiveness of our internal controls over financial reporting; our dependence on Brookfield Asset Management and Brookfield Asset Management’s significant influence over us; the departure of some or all of Brookfield Asset Management’s key professionals; changes in how Brookfield Asset Management elects to hold its ownership interests in Brookfield Renewable; Brookfield Asset Management acting in a way that is not in the best interests of Brookfield Renewable or our unitholders.

We caution that the foregoing list of important factors that may affect future results is not exhaustive. The forward-looking statements represent our views as of the date of this Supplemental Information and should not be relied upon as representing our views as of any subsequent date. While we anticipate that subsequent events and developments may cause our views to change, we disclaim any obligation to update the forward-looking statements, other than as required by applicable law. For further information on these known and unknown risks, please see “Risk Factors” included in our Form 20-F.

CAUTIONARY STATEMENT REGARDING USE OF NON-IFRS MEASURES

This Supplemental Information contains references to Adjusted EBITDA, Funds From Operations (“FFO”), FFO per Unit and Cash Available for Distribution (“CAFD”) (collectively, “Brookfield Renewable’s Non-IFRS Measures”) which are not generally accepted accounting measures under IFRS and therefore may differ from definitions of Adjusted EBITDA, FFO, FFO per Unit and CAFD used by other entities. We believe that Brookfield Renewable’s Non-IFRS Measures are useful supplemental measures that may assist investors in assessing our financial performance. Brookfield Renewable’s Non-IFRS Measures should not be considered as the sole measures of our performance and should not be considered in isolation from, or as a substitute for, analysis of our financial statements prepared in accordance with IFRS. For a reconciliation of Adjusted EBITDA, FFO, FFO per Unit and CAFD to the most directly comparable IFRS measure, please see “Appendix 1 – Reconciliation of Non-IFRS Measures”.

References to Brookfield Renewable are to Brookfield Renewable Partners L.P. together with its subsidiary and operating entities unless the context reflects otherwise. All amounts are in U.S. dollars and presented on a consolidated basis unless otherwise specified.

2019 Highlights

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(MILLIONS, EXCEPT AS NOTED)

Operational Information

	2019	2018
Capacity (MW)	18,883	17,419
Total generation (GWh)		
Long-term average generation	53,926	51,971
Actual generation	52,560	52,056
Proportionate generation (GWh)		
Long-term average generation	26,189	25,844
Actual generation	26,038	25,753
Average revenue (\$ per MWh)	78	75

Selected Financial Information

Consolidated Adjusted EBITDA ⁽¹⁾	\$ 2,339	\$ 2,223
Proportionate Adjusted EBITDA ⁽¹⁾	1,444	1,323
FFO ⁽¹⁾	761	676
CAFD ⁽¹⁾	755	648
FFO per Unit ⁽¹⁾⁽²⁾	2.45	2.16
Distributions per LP Unit	2.06	1.96
Net income (loss) attributable to Unitholders	(59)	42
Basic loss per LP Unit ⁽²⁾	(0.19)	0.13

(1) Non-IFRS measures. For reconciliations to the most directly comparable IFRS measure see "Reconciliation of Non-IFRS Measures" and "Cautionary Statement Regarding Use of Non-IFRS Measures".

(2) For the year ended December 31, 2019, weighted average LP Units, Redeemable/Exchangeable partnership units and GP interest totaled 311.2 million (2018: 312.6 million). The actual units outstanding at December 31, 2019 were 311.3 million (2018: 311.1 million).

(MILLIONS, EXCEPT AS NOTED)

Liquidity and Capital Resources

	December 31, 2019	December 31, 2018
Available liquidity	\$ 2,695	\$ 1,974
Debt to capitalization – Corporate	16%	15%
Debt to capitalization – Consolidated	32%	32%
Non-recourse proportionate borrowings	77%	75%
Floating rate debt exposure on a proportionate basis ⁽¹⁾	5%	7%
Corporate borrowings term to maturity	10 years	7 years
Non-recourse borrowings on a proportionate basis		
Average debt term to maturity	10 years	10 years
Average interest rate	5.1%	5.4%

(1) Excludes 7% (2018: 7%) floating rate debt exposure of certain regions outside of North America and Europe due to the high cost of hedging associated with those regions.

26.0 TWh

PROPORTIONATE
GENERATION

\$761M

FFO

13%

YOY FFO PER
UNIT GROWTH

PERFORMANCE HIGHLIGHTS

- FFO increased to \$761 million or \$2.45 on a per unit basis, representing a 13% increase from the prior year:
 - Growth in our businesses, including the investment of 813 MW of hydroelectric assets in Canada, 410 MW of operating wind assets in Asia and 322 MW of recently constructed distributed generation solar in the United States;
 - Higher realized prices, on the back of inflation indexation of our contracts and re-contracting initiatives;
 - Realization of costing-saving initiatives across our business totaling \$12 million; and
 - Total generation for the year was in line with long-term average
- Distribution of \$2.06 per LP Unit in 2019 represents an increase of 5% over the prior year
 - In light of strong results and with the strong growth ahead of us, our Board of Directors have declared a 5% increase in our quarterly distributions, bringing our annual distribution to \$2.17 per Unit
- Financial flexibility and liquidity position remains robust with \$2.7 billion of available liquidity and a strong investment grade balance sheet (BBB+)
 - Payout ratio for the year of less than 90%

OPERATIONS

- Continued to focus on extending our contract profile
 - In Colombia, we entered into 52 new contracts to deliver 764 GWh/year, including individual contracts with up to ten years in duration
 - In Brazil, we entered into 26 new contracts to deliver 846 GWh/year, including individual contracts with up to six years in duration

LIQUIDITY AND CAPITAL RESOURCES

- Strengthened our balance sheet and increased financial flexibility
 - Available liquidity of \$2.7 billion that includes a \$50 million, sustainability linked, corporate credit facility
 - Extended our corporate debt maturity profile and secured diverse sources of capital by executing on \$6.3 billion of financings and \$571 million (\$366 million net to Brookfield Renewable) of capital recycling initiatives
 - Secured over \$4.8 billion of non-recourse financings, reducing our weighted average cost of borrowing to 5.1%
 - Issued C\$175 million (\$131 million) of Preferred Units in the first quarter and completed one of the largest corporate green bond financing in Canada - C\$600 million (\$454 million) with up to 30-year terms
 - TerraForm Power completed a \$250 million equity offering of its Class A common shares concurrent with a \$50 million private placement with Brookfield Renewable and issued \$700 million of senior notes

GROWTH AND DEVELOPMENT

- Together with our institutional partners, we:
 - Agreed to invest C\$750 million in 7% convertible securities of TransAlta Corporation (“TransAlta”), convertible at our option commencing in 2025 to equity ownership of up to a 49% interest in TransAlta’s 813 MW Alberta hydroelectric portfolio;
 - Completed the acquisition of 410 MW of operating wind assets in Asia; and
 - Completed a 50-50 joint venture in respect of X-Elio, which is a portfolio of approximately 972 MW of operating solar, approximately 1,000 MW of assets under construction and a 5,000 MW development pipeline
- In December 2019, we, together with our institutional investors, entered into agreements to acquire 14 solar development projects in Brazil with 428 MW of total capacity
- Completed the commissioning of 50 MW of development projects (19 MW hydroelectric project in Brazil and 31 MW distributed generation solar capacity in China) that are expected to contribute annualized FFO to Brookfield Renewable of \$2 million
- We are advancing the construction of 717 MW of hydroelectric, wind, solar (utility and distributed generation) and pumped storage projects. These projects are expected to be commissioned between 2020 and 2021 and to generate annualized FFO net to Brookfield Renewable of \$16 million

One of the **largest public pure-play renewable** businesses globally

120 years of experience in power generation

Full **operating, development** and **power marketing** capabilities

Over **2,800** operating employees

\$50 billion
TOTAL POWER ASSETS

19,000
MEGAWATTS OF CAPACITY

74%
HYDROELECTRIC GENERATION



5,274 power generating facilities



27 markets in **17** countries



Situated on **84** river systems

Overview of Our Operations

As at December 31, 2019	River Systems	Facilities	Capacity (MW)	LTA ⁽¹⁾ (GWh)	Storage Capacity (GWh)
Hydroelectric					
North America					
United States	30	136	2,885	11,982	2,523
Canada	19	33	1,361	5,177	1,261
	49	169	4,246	17,159	3,784
Colombia	6	6	2,732	14,485	3,703
Brazil	27	44	946	4,924	—
	82	219	7,924	36,568	7,487
Wind					
North America					
United States	—	26	1,888	6,898	—
Canada	—	4	482	1,437	—
	—	30	2,370	8,335	—
Europe	—	44	1,056	2,436	—
Brazil	—	19	552	1,901	—
Asia	—	9	660	1,650	—
	—	102	4,638	14,322	—
Solar					
Utility ⁽²⁾	—	90	2,258	4,691	—
Distributed generation	—	4,844	775	1,085	—
	—	4,934	3,033	5,776	—
Storage⁽³⁾					
	2	4	2,698	—	5,220
Other⁽⁴⁾					
	—	15	590	—	—
Total	84	5,274	18,883	56,666	12,707

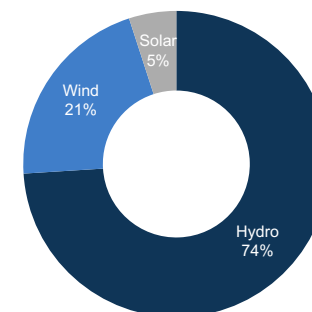
(1) LTA is calculated based on our portfolio as at December 31, 2019, reflecting all facilities on a consolidated and an annualized basis from the beginning of the year, regardless of the acquisition, disposition or commercial operation date. See 'Presentation to Stakeholders' for our methodology in computing LTA and for why we do not consider LTA for our Storage and Other facilities.

(2) Includes seven solar facilities (91 MW) in South Africa and Asia that have been presented as Assets held for sale.

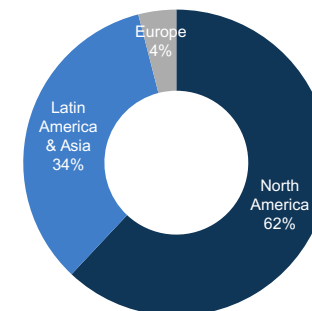
(3) Includes pumped storage in North America (600 MW) and Europe (2,088 MW) and battery storage in North America (10 MW).

(4) Includes four biomass facilities in Brazil (175 MW), one cogeneration plant in Colombia (300 MW), and one cogeneration plant in North America (105 MW) and nine fuel cell facilities in North America (10 MW).

Long-term Average Generation by Source of Energy (proportionate basis)



Long-term Average Generation by Region (proportionate basis)





Generation and Financial Review for the Year Ended December 31

Segmented Information

Our operations are segmented by – 1) hydroelectric, 2) wind, 3) solar, 4) storage & other (cogeneration and biomass), and 5) corporate – with hydroelectric and wind further segmented by geography (i.e., North America, Colombia, Brazil, Europe and Asia). This best reflects the way in which the CODM reviews results, manages operations and allocates resources. The Colombia segment aggregates the financial results of its hydroelectric and cogeneration facilities. The Canada segment includes the financial results of our strategic investment in TransAlta Corporation ("TransAlta"). The corporate segment represents all activity performed above the individual segments for the business.

Proportionate Information

Information on a proportionate basis reflects our share from facilities which we account for using consolidation and the equity method whereby we either control or exercise significant influence or joint control over the investment, respectively. The total proportionate financial information is not, and is not intended to be, presented in accordance with IFRS. Proportionate information provides a net to Brookfield Renewable perspective that management considers important when performing internal analyses and making strategic and operating decisions. Management also believes that providing proportionate information helps investors understand the impacts of decisions made by management and financial results allocable to Brookfield Renewable's LP Unitholders. Tables reconciling IFRS data with data presented on a proportionate consolidation basis have been disclosed. See "Appendix 1 – Reconciliation of Non-IFRS Measures". As a result, segment revenues, other income, direct operating costs, interest expense, depreciation, current and deferred income taxes, and other are reconciling items that will differ from results presented in accordance with IFRS as these reconciling items (1) include our proportionate share of earnings from equity-accounted investments attributable to each of the above-noted items, and (2) exclude the proportionate share of earnings (loss) of consolidated investments not held by us apportioned to each of the above-noted items.

The presentation of proportionate results has limitations as an analytical tool, including the following: the amounts shown on the individual line items were derived by applying our overall economic ownership interest percentage and do not necessarily represent our legal claim to the assets and liabilities, or the revenues and expenses; and other companies may calculate proportionate results differently than we do. Because of these and other limitations, our proportionate financial information should not be considered in isolation or as a substitute for our financial statements as reported under IFRS. We do not control those entities that have not been consolidated and as such, have been presented as equity-accounted investments in our financial statements. The presentation of the assets and liabilities and revenues and expenses do not represent our legal claim to such items, and the removal of financial statement amounts that are attributable to non-controlling interests does not extinguish our legal claims or exposures to such items.

Unless the context indicates or requires otherwise, information with respect to the MW attributable to Brookfield Renewable's facilities, including development assets, is presented on a consolidated basis, including with respect to facilities whereby Brookfield Renewable either controls or jointly controls the applicable facility.

We provide additional information on how we determine Adjusted EBITDA, FFO, FFO per unit and CAFD. See "Appendix 4 – Presentation to Stakeholders and Performance Measurement". We also provide reconciliations to IFRS Measures. See "Appendix 1 – Reconciliation of Non-IFRS Measures".

Proportionate Results for the Year Ended December 31

Brookfield

For each operating segment, this Supplemental Information outlines Brookfield Renewable's **proportionate** share of results in order to demonstrate the impact of key value drivers of each operating segment on the partnership's overall performance.

	(GWh)				(MILLIONS)							
	Actual Generation		LTA Generation		Revenues		Adjusted EBITDA		Funds From Operations		Net Income (Loss)	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Hydroelectric												
North America	13,118	13,308	12,238	12,980	\$ 905	\$ 893	\$ 632	\$ 619	\$ 469	\$ 443	\$ 150	\$ 189
Brazil	3,707	3,633	3,996	3,927	234	244	181	173	150	142	59	3
Colombia	3,096	3,364	3,488	3,482	237	216	144	126	101	86	72	87
	19,921	20,305	19,722	20,389	1,376	1,353	957	918	720	671	281	279
Wind												
North America	2,969	2,713	3,556	3,169	223	219	163	157	94	93	(64)	(18)
Europe	904	677	996	764	95	73	67	57	48	38	(7)	5
Brazil	630	626	647	645	37	42	28	33	19	24	1	1
Asia	291	160	290	153	20	12	16	8	10	5	6	4
	4,794	4,176	5,489	4,731	375	346	274	255	171	160	(64)	(8)
Solar	949	753	978	724	183	146	162	117	103	72	5	33
Storage & Other	374	519	—	—	87	85	41	49	27	32	1	(2)
Corporate	—	—	—	—	—	—	10	(16)	(260)	(259)	(282)	(260)
Total	26,038	25,753	26,189	25,844	\$ 2,021	\$ 1,930	\$ 1,444	\$ 1,323	\$ 761	\$ 676	\$ (59)	\$ 42

Hydroelectric Operations on Proportionate Basis

Brookfield

19,921 GWh

PROPORTIONATE GENERATION

\$720M

FFO

The following table presents our proportionate results for the years ended December 31:

(MILLIONS, EXCEPT AS NOTED)

	2019	2018
<i>Generation (GWh) – LTA</i>	19,722	20,389
<i>Generation (GWh) – actual</i>	19,921	20,305
Revenue	\$ 1,376	\$ 1,353
Other income	32	21
Direct operating costs	(451)	(456)
Adjusted EBITDA	957	918
Interest expense	(210)	(232)
Current income taxes	(27)	(15)
Funds From Operations	\$ 720	\$ 671
Depreciation	(332)	(385)
Deferred taxes and other	(107)	(7)
Net income	\$ 281	\$ 279

FINANCIAL RESULTS

FFO increased 7% or \$49 million to \$720 million

- FFO at our North American business was \$469 million versus \$443 million in the prior year. Higher average realized revenue per MWh in Canada due to inflation indexation of our contracts and higher same store generation due to strong hydrology conditions in the United States (7% above prior year and 10% above long-term average) more than offset the impact to FFO from the sale of a 25% interest in certain of our Canadian assets - \$24 million and 670 GW
- FFO at our Brazilian business was \$150 million versus \$142 million in the prior year. On a local currency basis, FFO increased 15% versus the prior year due to the benefit of higher same store generation, a positive ruling reaffirming the historical generation of our facilities, and growth of our portfolio through development projects that contributed 63 GWh and \$2 million to FFO. These increases were partially offset by the weakening of the Brazilian reais versus the U.S. dollar
- FFO at our Colombian business was \$101 million versus \$86 million in the prior year as we benefited from cost-reduction initiatives and a 20% increase in revenue per MWh due to inflation indexation of our contracts and re-contracting efforts which were partially offset by generation that was 11% below long-term average as we stored water in anticipation of higher pricing in the upcoming dry season

The following table presents our proportionate results for the years ended December 31 by geography:

	Actual Generation (GWh)		Average revenue per MWh		Adjusted EBITDA		Funds From Operations		Net Income	
(MILLIONS, EXCEPT AS NOTED)	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
North America										
United States	8,830	8,245	\$ 70	\$ 69	\$ 393	\$ 360	\$ 287	\$ 252	\$ 72	\$ 66
Canada	4,288	5,063	66	64	239	259	182	191	78	123
	13,118	13,308	69	67	632	619	469	443	150	189
Brazil	3,707	3,633	63	67	181	173	150	142	59	3
Colombia	3,096	3,364	77	64	144	126	101	86	72	87
Total	19,921	20,305	\$ 69	\$ 67	\$ 957	\$ 918	\$ 720	\$ 671	\$ 281	\$ 279

Wind Operations on Proportionate Basis

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4,794 GWh

\$171M

PROPORTIONATE GENERATION

FFO

The following table presents our proportionate results for the years ended December 31:

(MILLIONS, EXCEPT AS NOTED)

	2019	2018
<i>Generation (GWh) – LTA</i>	5,489	4,731
<i>Generation (GWh) – actual</i>	4,794	4,176
Revenue	\$ 375	\$ 346
Other income	6	13
Direct operating costs	(107)	(104)
Adjusted EBITDA	274	255
Interest expense	(96)	(93)
Current income taxes	(7)	(2)
Funds From Operations	\$ 171	\$ 160
Depreciation	(226)	(180)
Deferred taxes and other	(9)	12
Net loss	\$ (64)	\$ (8)

The following table presents our proportionate results for the years ended December 31 by geography:

	Actual Generation (GWh)		Average revenue per MWh		Adjusted EBITDA		Funds From Operations		Net Income (Loss)	
(MILLIONS, EXCEPT AS NOTED)	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
North America										
United States	1,897	1,613	\$ 67	\$ 76	\$ 85	\$ 76	\$ 41	\$ 36	\$ (44)	\$ (1)
Canada	1,072	1,100	90	88	78	81	53	57	(20)	(17)
	2,969	2,713	75	81	163	157	94	93	(64)	(18)
Europe	904	677	105	110	67	57	48	38	(7)	5
Brazil	630	626	59	69	28	33	19	24	1	1
Asia	291	160	69	66	16	8	10	5	6	4
Total	4,794	4,176	\$ 78	\$ 84	\$ 274	\$ 255	\$ 171	\$ 160	\$ (64)	\$ (8)

FINANCIAL RESULTS

FFO increased 7% or \$11 million to \$171 million

- FFO at our North American business was in line with prior year at \$94 million. The contributions from growth in our portfolio as a result of increasing our ownership in TerraForm Power and cost-reduction initiatives were offset by the impact of lower same-store generation relative to the prior year
- FFO at our European business was \$48 million versus \$38 million in the prior year. The growth of our portfolio following the commissioning of 51 MW of new wind capacity and a full year contribution from TerraForm Power's acquisition of Saeta contributed 199 GWh and \$13 million to FFO, net of asset sales. Excluding an \$8 million gain on the sale of a development project in the United Kingdom that benefited the prior year, FFO increased \$5 million primarily as a result of stronger resource, operating cost savings initiatives, and interest cost savings due to capital structure optimization
- FFO at our Brazilian business was \$19 million versus \$24 million in the prior year as a result of lower average realized prices due to a commercial initiative that benefited the prior year and the weakening of the Brazilian reais versus the U.S. dollar
- FFO at our Asian business was \$10 million versus \$5 million in the prior year, due to the contribution from the acquisition of 410 MW of capacity in Asia during the year (\$6 million and 123 GWh). On a same store basis, our assets continue to perform in line with expectation

Solar, Storage & Other and Corporate on Proportionate Basis

The following table presents our proportionate results for our solar business the years ended December 31:

(MILLIONS, EXCEPT AS NOTED)	2019	2018
<i>Generation (GWh) – LTA</i>	978	724
<i>Generation (GWh) – actual</i>	949	753
Revenue	\$ 183	\$ 146
Other income	17	5
Direct operating costs	(38)	(34)
Adjusted EBITDA	162	117
Interest expense	(59)	(45)
Funds From Operations	\$ 103	\$ 72
Depreciation	(65)	(40)
Deferred taxes and other	(33)	1
Net income	\$ 5	\$ 33

The following table presents our proportionate results for our storage & other business for the years ended December 31:

(MILLIONS, EXCEPT AS NOTED)	2019	2018
<i>Generation (GWh) – actual</i>	374	519
Revenue	\$ 87	\$ 85
Direct operating costs	(46)	(36)
Adjusted EBITDA	41	49
Interest expense	(13)	(17)
Other	(1)	—
Funds From Operations	\$ 27	\$ 32
Depreciation	(23)	(23)
Deferred taxes and other	(3)	(11)
Net income (loss)	\$ 1	\$ (2)

The following table presents Corporate results for the years ended December 31:

(MILLIONS, EXCEPT AS NOTED)	2019	2018
Other income	\$ 33	\$ 7
Direct operating costs	(23)	(23)
Adjusted EBITDA	10	(16)
Management service costs	(108)	(80)
Interest expense	(92)	(99)
Distributions ⁽¹⁾	(70)	(64)
Funds From Operations	\$ (260)	\$ (259)
Deferred taxes and other	(22)	(1)
Net loss	\$ (282)	\$ (260)

(1) Distributions on Preferred Units and Class A Preference Shares.

FINANCIAL RESULTS

- FFO at our solar business was \$103 million versus \$72 million in the prior year, primarily due to the contribution from growth in our business, including TerraForm Power's recently acquired 322 MW distributed generation portfolio and a full-year contribution from our increased ownership in TerraForm Power
- FFO at our storage & other businesses was \$27 million versus \$32 million in the prior year due to lower realized capacity prices in the northeast United States and lower generation at our biomass facilities in Brazil
- Management service costs totaling \$108 million increased \$28 million compared to the prior year due to the growth of our business
- Distributions attributable to Preferred LP Units and Shares increased \$6 million compared to the prior year due to the C\$175 million (\$131 million) Preferred LP Units issuance completed in the first quarter of 2019

Distribution Payout Ratio

Our objective is to pay a distribution that is sustainable on a long-term basis while retaining sufficient liquidity within our operations to fund growth.

We fund our growth initiatives through a combination of preferred equity and corporate debt issuances, asset sales and retained cash flows. As such, while we may issue equity when it makes financial sense, given the above noted funding sources, we are not reliant on accessing this market to fund our growth.

We target a payout ratio of **70% of FFO** over the long-term. We also monitor our payout ratio on CAFD. FFO and CAFD payout ratios for the year ended December 31, 2019 were **89.8%** and **90.5%**, respectively.

We continue to benefit from an investment grade balance sheet, robust liquidity, strong debt maturity profile, access to multiple funding levers and a growth strategy that allows us to retain control on capital spending. These levers afford us the flexibility to expect to continue to **lower our payout ratio to our long-term target patiently over the medium-term.**

The following table reflects our FFO and CAFD payout ratios for the year ended December 31:

	Year Ended December 31	
	2019	2018
(MILLIONS, EXCEPT AS NOTED)		
FFO	\$ 761	\$ 676
Adjusted sustaining capex ⁽¹⁾	(72)	(72)
Wind and solar amortization ⁽²⁾	(99)	(73)
Realized gains on asset sales ⁽³⁾	165	117
CAFD	755	648
Distributions ⁽⁴⁾	684	643
FFO payout ratio	89.8%	95.4%
CAFD payout ratio	90.5%	99.5%

(1) Average annual sustaining capital expenditures based on the long-term sustaining capital expenditure plans.

(2) Long-term sustainable debt amortization of our wind and solar portfolios – the initial debt capacity of our wind and solar projects amortized on a straight line basis over their useful lives.

(3) Realized gains on assets sold during the respective years as recognized through other comprehensive income or equity.

(4) Includes distributions to LP Units, Redeemable/Exchangeable Units and GP Units, including incentive distributions.

Capitalization and Available Liquidity

CAPITALIZATION

A key element of our financing strategy is to raise the majority of our debt in the form of asset-specific, non-recourse borrowings at our subsidiaries on an investment-grade basis with no maintenance covenants. Almost 95% of our debt is either investment grade rated or sized to investment grade and approximately 80% of debt is project level. The following table summarizes our capitalization:

(MILLIONS, EXCEPT AS NOTED)	Corporate		Consolidated	
	2019	2018	2019	2018
Corporate credit facility ⁽¹⁾	\$ 299	\$ 721	\$ 299	\$ 721
Debt				
Medium term notes ⁽²⁾	1,808	1,613	1,808	1,613
Non-recourse borrowings ⁽³⁾	—	—	8,964	8,465
	1,808	1,613	10,772	10,078
Deferred income tax liabilities, net ⁽⁴⁾	—	—	4,421	4,049
Equity				
Non-controlling interest	—	—	8,742	8,129
Preferred equity	597	568	597	568
Preferred LP equity	833	707	833	707
Unitholders equity	7,959	7,802	7,959	7,802
Total capitalization	\$ 11,197	\$ 10,690	\$ 33,324	\$ 31,333
Debt to total capitalization ⁽¹⁾	16%	15%	32%	32%

(1) Draws on corporate credit facilities are excluded from the debt to total capitalization ratios as they are not a permanent source of capital.

(2) Medium term notes are unsecured and guaranteed by Brookfield Renewable and excludes \$7 million (2018: \$6 million) of deferred financing fees.

(3) Consolidated non-recourse borrowings includes \$142 million (2018: \$6 million) borrowed under a subscription facility of a Brookfield sponsored private fund and excludes \$60 million (2018: \$75 million) of deferred financing fees, net of unamortized premiums.

(4) Deferred income tax liabilities less deferred income tax assets.

AVAILABLE LIQUIDITY

We operate with sufficient liquidity to enable us to fund growth initiatives, capital expenditures, distributions and withstand sudden adverse changes in economic circumstances or short-term fluctuations in generation. Our principal sources of liquidity are cash flows from operations, our credit facilities, up-financings on non-recourse borrowings and proceeds from the issuance of securities through public markets. The following table summarizes the available liquidity:

(MILLIONS, EXCEPT AS NOTED)	December 31, 2019	December 31, 2018
Brookfield Renewable's share of cash and cash equivalents	\$ 143	\$ 169
Investments in marketable securities	95	117
Corporate credit facilities		
Authorized credit facilities ⁽¹⁾	2,150	2,100
Draws on credit facilities	(299)	(721)
Authorized letter of credit facilities	400	300
Issued letters of credit	(266)	(209)
Available portion of corporate credit facilities	1,985	1,470
Available portion of subsidiary credit facilities on a proportionate basis	472	218
Available group-wide liquidity	\$ 2,695	\$ 1,974

(1) Amounts are guaranteed by Brookfield Renewable.

Borrowings

The following table summarizes our undiscounted principal and scheduled amortization repayments on a proportionate basis:

(MILLIONS)	2020	2021	2022	2023	2024	Thereafter	Total
Principal repayments⁽¹⁾							
Medium term notes ⁽²⁾	—	—	308	—	—	1,500	1,808
Non-recourse borrowings							
Credit facilities	—	6	147	50	—	—	203
Hydroelectric	—	—	215	423	83	2,135	2,856
Wind	—	—	56	87	—	303	446
Solar	9	137	—	87	—	356	589
Storage and other	—	61	—	—	—	152	213
	9	204	418	647	83	2,946	4,307
Amortization							
Non-recourse borrowings							
Hydroelectric	57	56	73	59	66	509	820
Wind	107	108	106	109	118	738	1,286
Solar	47	51	55	58	60	468	739
Storage and other	3	3	3	4	5	4	22
	214	218	237	230	249	1,719	2,867
Total	223	422	963	877	332	6,165	8,982

(1) Draws on corporate credit facilities are excluded from the debt repayment schedule as they are not a permanent source of capital.

(2) Medium term notes are unsecured and guaranteed by Brookfield Renewable and excludes \$7 million (2018: \$6 million) of deferred financing fees.

The average duration of the debt at both our wind and solar business of 10 years, is significantly shorter than the average remaining useful lives of the underlying projects (22 and 24 years, respectively). The long-term sustainable debt amortization of our wind and solar business – calculated as the initial debt capacity of the projects amortized on a straight line basis over their useful lives – is \$65 million and \$34 million per year, respectively.

We remain focused on refinancing near-term facilities and maintaining a manageable maturity ladder. We do not anticipate material issues in refinancing our borrowings through 2024 on acceptable terms and will do so opportunistically based on the prevailing interest rate environment. Historically we have completed up-financings of our hydro projects as these facilities tend to grow in value over time (long-lived assets with revenues typically indexed to inflation). Since 2015, we have generated approximately \$900 million (~\$180 million on average per year) of proceeds from up-financings completed on an investment grade basis. We expect to execute on these types of up-financings where available in our portfolio.

The overall maturity profile and average interest rates associated with our borrowings and credit facilities on a proportionate basis are as follows:

	Average term (years)		Average interest rate (%)	
	December 31, 2019	December 31, 2018	December 31, 2019	December 31, 2018
Credit facilities ⁽¹⁾	5	4	2.9	3.3
Medium term notes	10	7	4.1	4.4
Non-recourse borrowings	10	10	5.1	5.4

(1) Draws on our corporate credit facilities are presented based on available capacity of our longest dated facilities irrespective of the credit facility drawn.

Contract Profile

The following table sets out our contracts over the next five years for generation output in North America, Europe, and other countries in Asia on a proportionate basis, assuming long-term average. The table excludes Brazil and Colombia, where we would expect the energy associated with maturing contracts to be re-contracted in the normal course given the construct of the respective power markets. In these countries we currently have a contracted profile of approximately 90% and 70%, respectively, of the long-term average and we would expect to maintain this going forward. Overall, our portfolio has a weighted-average remaining contract duration of 13 years (on a proportionate basis).

(GWh, except as noted)	2020	2021	2022	2023	2024
Contracted					
Hydroelectric ⁽¹⁾	11,976	8,692	6,598	6,520	6,507
Wind	4,542	4,428	4,471	4,458	4,174
Solar	1,259	1,257	1,255	1,254	1,252
	17,777	14,377	12,324	12,232	11,933
Uncontracted	895	4,293	6,343	6,432	6,817
Long-term average on a proportionate basis	18,672	18,670	18,667	18,664	18,750
Non-controlling interests	17,146	17,133	17,120	17,110	17,002
Total long-term average	35,818	35,803	35,787	35,774	35,752
Contracted generation as a % of total generation on a proportionate basis	95%	77%	66%	66%	64%
Price per MWh - total generation on a proportionate basis	\$ 77	\$ 84	\$ 91	\$ 92	\$ 92

(1) Includes generation of 3,753 GWh for 2020 and 1,334 GWh for 2021 secured under financial contracts.

Weighted-average remaining contract durations on a proportionate basis are 16 years in North America, 10 years in Brazil, 3 years in Colombia, 13 years in Europe and 19 years across our remaining jurisdictions.

In North America, over the next five years, a number of contracts will expire at our hydroelectric facilities. Based on current market prices for energy and ancillary products, we do not foresee a negative impact to cash flows from contracts expiring over the next five years.

In our Brazilian and Colombian portfolios, we continue to focus on securing long-term contracts while maintaining a certain percentage of uncontracted generation to mitigate hydrology risk.

Our economic exposure for 2020 on a proportionate basis is distributed as follows: power authorities (37%), distribution companies (23%), industrial users (22%) and Brookfield (18%).

Assets Under Construction

The following table summarizes the 717 MW of assets currently under construction and the expected FFO on an annualized basis:

Project Name	Country / Region	Technology	Capacity (MW)	Expected date of commission	Annualized expected FFO (millions)
GLP Rooftop JV	China	Solar	63	Q1 2020	\$ 1
Knockawarriga II	Ireland	Wind	8	Q1 2020	1
Foz do Estrela	Brazil	Hydroelectric	30	Q2 2021	6
Bear Swamp (Unit Upgrade)	North America	Pumped Storage	66	Q2 2021	3
X-Elio North America	North America	Solar	401	Q1-Q3 2020	3
X-Elio Europe	Spain	Solar	135	Q3 2020	1
X-Elio Asia	Japan	Solar	14	Q2 2020	1
Total			717		\$ 16

We are also advancing hydroelectric, wind, solar and distributed generation construction projects across four continents, including **1,380 MW (570 MW net to Brookfield Renewable)** of advanced stage projects through final permitting and securing a route-to-market and re-powering projects in New York, California and Hawaii. Once commissioned, these facilities are expected to contribute over **\$56 million** to FFO on an annualized basis.

Since closing on X-Elio, our total development pipeline increased to approximately **13,000 MW**, further diversifying our pipeline across technologies and geographies.

Proportionate Results for the Three Months Ended December 31

Brookfield

For each operating segment, this Supplemental Information outlines Brookfield Renewable's **proportionate** share of results in order to demonstrate the impact of key value drivers of each operating segment on the partnership's overall performance.

	(GWh)				(MILLIONS)							
	Actual Generation		LTA Generation		Revenues		Adjusted EBITDA		Funds From Operations		Net Income (Loss)	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Hydroelectric												
North America	2,858	3,604	2,912	3,065	\$ 205	\$ 238	\$ 131	\$ 164	\$ 94	\$ 121	\$ 4	\$ 59
Brazil	817	902	1,009	996	61	59	37	40	31	33	4	(2)
Colombia	749	982	968	935	63	56	37	35	26	24	16	46
	4,424	5,488	4,889	4,996	329	353	205	239	151	178	24	103
Wind												
North America	779	808	934	951	56	61	43	48	27	29	(20)	21
Europe	241	264	267	269	24	27	17	30	11	25	—	17
Brazil	176	153	172	171	10	9	8	7	6	4	3	2
Asia	107	43	104	37	7	3	6	2	3	2	4	7
	1,303	1,268	1,477	1,428	97	100	74	87	47	60	(13)	47
Solar	184	184	195	178	38	40	39	30	22	15	(18)	14
Storage & Other	66	112	—	—	21	23	11	16	7	9	1	4
Corporate	—	—	—	—	—	—	19	(1)	(56)	(56)	(60)	(77)
Total	5,977	7,052	6,561	6,602	\$ 485	\$ 516	\$ 348	\$ 371	\$ 171	\$ 206	\$ (66)	\$ 91

For the three months ended December 31, 2019, FFO was \$171 million versus \$206 million in the prior year.

- FFO decreased \$35 million primarily due to strong generation that benefited the prior year (7% above long-term average in the prior year compared to 9% below long-term average in the current year).



Appendix 1 – Reconciliation of Non-IFRS Measures

Segment Reconciliation on a Proportionate Basis – Year Ended December 31, 2019

The following table reflects Adjusted EBITDA, FFO and CAFD and provides reconciliation to IFRS financial data for the year ended December 31, 2019:

	Attributable to Unitholders					Contribution from equity accounted investments	Attributable to non- controlling interests	As per IFRS Financials ⁽¹⁾
	Hydroelectric	Wind	Solar	Storage and Other	Corporate			
(MILLIONS)								
Revenues	1,376	375	183	87	—	2,021	(379)	2,980
Other income	32	6	17	—	33	88	(17)	57
Direct operating costs	(451)	(107)	(38)	(46)	(23)	(665)	108	(1,012)
Share of Adjusted EBITDA from equity accounted investments	—	—	—	—	—	—	288	314
Adjusted EBITDA	957	274	162	41	10	1,444	—	895
Management service costs	—	—	—	—	(108)	(108)	—	(108)
Interest expense - borrowings	(210)	(96)	(59)	(13)	(92)	(470)	104	(682)
Current income taxes	(27)	(7)	—	(1)	—	(35)	9	(65)
Distributions attributable to:								
Preferred limited partners equity	—	—	—	—	(44)	(44)	—	(44)
Preferred equity	—	—	—	—	(26)	(26)	—	(26)
Share of interest and cash taxes from equity accounted investments	—	—	—	—	—	—	(113)	(125)
Share of Funds From Operations attributable to non-controlling interests	—	—	—	—	—	—	—	(528)
Funds From Operations	720	171	103	27	(260)	761	—	—
Adjusted sustaining capital expenditures	(64)	—	—	—	(8)	(72)	—	—
Wind and solar amortization	—	(65)	(34)	—	—	(99)	—	—
Realized gains on asset sales	120	36	9	—	—	165	—	—
Cash Available for Distribution	776	142	78	27	(268)	755	—	—
Cash Available for Distribution adjustments	(56)	29	25	—	8	6	—	—
Depreciation	(332)	(226)	(65)	(23)	(4)	(650)	155	(798)
Foreign exchange and unrealized financial instruments gain (loss)	4	(14)	1	(3)	(18)	(30)	9	(33)
Deferred income tax recovery (expense)	(27)	35	15	—	46	69	(41)	14
Other	(84)	(30)	(49)	—	(46)	(209)	55	(91)
Share of earnings from equity accounted investments	—	—	—	—	—	—	(178)	(178)
Net loss attributable to non-controlling interests	—	—	—	—	—	—	—	266
Net income (loss) attributable to Unitholders	281	(64)	5	1	(282)	(59)	—	(59)

⁽¹⁾ Share of earnings from equity accounted investments of \$11 million is comprised of amounts found on the share of Adjusted EBITDA, share of interest and cash taxes and share of earnings lines. Net income attributable to participating non-controlling interests – in operating subsidiaries of \$262 million is comprised of amounts found on Share of Funds From Operations attributable to non-controlling interests and Net loss attributable to non-controlling interests.

Segment Reconciliation on a Proportionate Basis – Year Ended December 31, 2018

The following table reflects Adjusted EBITDA, FFO and CAFD and provides reconciliation to IFRS financial data for the year ended December 31, 2018:

	Attributable to Unitholders						Contribution from equity accounted investments	Attributable to non- controlling interests	As per IFRS Financials ⁽¹⁾
	Hydroelectric	Wind	Solar	Storage and Other	Corporate	Total			
(MILLIONS)									
Revenues	1,353	346	146	85	—	1,930	(286)	1,338	2,982
Other income	21	13	5	—	7	46	(7)	11	50
Direct operating costs	(456)	(104)	(34)	(36)	(23)	(653)	86	(469)	(1,036)
Share of Adjusted EBITDA from equity accounted investments	—	—	—	—	—	—	207	20	227
Adjusted EBITDA	918	255	117	49	(16)	1,323	—	900	
Management service costs	—	—	—	—	(80)	(80)	—	—	(80)
Interest expense - borrowings	(232)	(93)	(45)	(17)	(99)	(486)	82	(301)	(705)
Current income taxes	(15)	(2)	—	—	—	(17)	3	(16)	(30)
Distributions attributable to									
Preferred limited partners equity	—	—	—	—	(38)	(38)	—	—	(38)
Preferred equity	—	—	—	—	(26)	(26)	—	—	(26)
Share of interest and cash taxes from equity accounted investments	—	—	—	—	—	—	(85)	(12)	(97)
Share of Funds From Operations attributable to non-controlling interests	—	—	—	—	—	—	—	(571)	(571)
Funds From Operations	671	160	72	32	(259)	676	—	—	
Adjusted sustaining capital expenditures	(64)	—	—	—	(8)	(72)	—	—	
Wind and solar amortization	—	(54)	(19)	—	—	(73)	—	—	
Realized gains on asset sales	117	—	—	—	—	117	—	—	
Cash Available for Distribution	724	106	53	32	(267)	648	—	—	
Cash Available for Distribution adjustments	(53)	54	19	—	8	28	—	—	
Depreciation	(385)	(180)	(40)	(23)	(2)	(630)	96	(285)	(819)
Foreign exchange and unrealized financial instruments gain (loss)	5	4	(9)	(2)	—	(2)	(3)	(29)	(34)
Deferred income tax recovery (expense)	18	22	21	—	24	85	(50)	54	89
Other	(30)	(14)	(11)	(9)	(23)	(87)	19	(14)	(82)
Share of earnings from equity accounted investments	—	—	—	—	—	—	(62)	—	(62)
Net loss attributable to non-controlling interests	—	—	—	—	—	—	—	274	274
Net income (loss) attributable to Unitholders	279	(8)	33	(2)	(260)	42	—	—	42

⁽¹⁾ Share of earnings from equity accounted investments of \$68 million is comprised of amounts found on the share of Adjusted EBITDA, share of interest and cash taxes and share of earnings lines. Net income attributable to participating non-controlling interests – in operating subsidiaries of \$297 million is comprised of amounts found on Share of Funds From Operations attributable to non-controlling interests and Net loss attributable to non-controlling interests.

Per Unit Reconciliation – Years Ended December 31

The following table reconciles the non-IFRS financial metrics to the most directly comparable IFRS measures. Net income attributable to Unitholders is reconciled to FFO and reconciled to Proportionate Adjusted EBITDA, and earnings per unit is reconciled to FFO per unit, both for the years ended December 31:

			Per unit	
	2019	2018	2019	2018
(MILLIONS, EXCEPT AS NOTED)				
Net income (loss) attributable to:				
Limited partners' equity	\$ (34)	\$ 24	\$ (0.19)	\$ 0.13
General partnership interest in a holding subsidiary held by Brookfield	—	1	—	—
Participating non-controlling interests - in a holding subsidiary - Redeemable/Exchangeable units held by Brookfield	(25)	17	—	—
Net income (loss) attributable to Unitholders	\$ (59)	\$ 42	\$ (0.19)	\$ 0.13
Adjusted for proportionate share of:				
Depreciation	650	630	2.09	2.02
Foreign exchange and unrealized financial instruments loss	30	2	0.10	0.01
Deferred income tax recovery	(69)	(85)	(0.22)	(0.27)
Other	209	87	0.67	0.27
FFO	\$ 761	\$ 676	\$ 2.45	\$ 2.16
Distributions attributable to:				
Preferred limited partners' equity	44	38		
Preferred equity	26	26		
Current income taxes	35	17		
Interest expense - borrowings	470	486		
Management service costs	108	80		
Proportionate Adjusted EBITDA	\$ 1,444	\$ 1,323		
Attributable to non-controlling interests	895	900		
Consolidated Adjusted EBITDA	\$ 2,339	\$ 2,223		
Weighted average units outstanding ⁽¹⁾			311.2	312.6

(1) Includes GP interest, Redeemable/Exchangeable partnership units, and LP Units.

Segment Reconciliation on a Proportionate Basis – Three Months Ended December 31, 2019

The following table reflects Adjusted EBITDA, FFO and CAFD and provides reconciliation to IFRS financial data for the three months ended December 31, 2019:

	Attributable to Unitholders					Contribution	Attributable		
	Hydroelectric	Wind	Solar	Storage and Other	Corporate	Total	from equity accounted investments	to non- controlling interests	As per IFRS Financials ⁽¹⁾
(MILLIONS)									
Revenues	329	97	38	21	—	485	(93)	334	726
Other income	1	1	12	—	25	39	(6)	(26)	7
Direct operating costs	(125)	(24)	(11)	(10)	(6)	(176)	26	(117)	(267)
Share of Adjusted EBITDA from equity accounted investments	—	—	—	—	—	—	73	11	84
Adjusted EBITDA	205	74	39	11	19	348	—	202	
Management service costs	—	—	—	—	(35)	(35)	—	—	(35)
Interest expense - borrowings	(50)	(23)	(17)	(3)	(22)	(115)	26	(78)	(167)
Current income taxes	(4)	(4)	—	(1)	—	(9)	5	(12)	(16)
Distributions attributable to:						—			—
Preferred limited partners equity	—	—	—	—	(11)	(11)	—	—	(11)
Preferred equity	—	—	—	—	(7)	(7)	—	—	(7)
Share of interest and cash taxes from equity accounted investments	—	—	—	—	—	—	(31)	(5)	(36)
Share of Funds From Operations attributable to non-controlling interests	—	—	—	—	—	—	—	(107)	(107)
Funds From Operations	151	47	22	7	(56)	171	—	—	
Adjusted sustaining capital expenditures	(16)	—	—	—	(2)	(18)	—	—	
Wind and solar amortization	—	(18)	(10)	—	—	(28)	—	—	
Realized gains on asset sales	—	34	—	—	—	34	—	—	
Cash Available for Distribution	135	63	12	7	(58)	159	—	—	
Cash Available for Distribution adjustments	16	(16)	10	—	2	12	—	—	
Depreciation	(83)	(59)	(24)	(5)	(1)	(172)	51	(77)	(198)
Foreign exchange and unrealized financial instruments gain (loss)	2	6	1	(1)	7	15	(4)	(4)	7
Deferred income tax recovery (expense)	(10)	15	—	—	24	29	(6)	2	25
Other	(36)	(22)	(17)	—	(34)	(109)	29	30	(50)
Share of earnings from equity accounted investments	—	—	—	—	—	—	(70)	—	(70)
Net loss attributable to non-controlling interests	—	—	—	—	—	—	—	49	49
Net income (loss) attributable to Unitholders	24	(13)	(18)	1	(60)	(66)	—	—	(66)

⁽¹⁾ Share of earnings from equity accounted investments of \$22 million is comprised of amounts found on the share of Adjusted EBITDA, share of interest and cash taxes and share of earnings lines. Net income attributable to participating non-controlling interests – in operating subsidiaries of \$58 million is comprised of amounts found on Share of Funds From Operations attributable to non-controlling interests and Net loss attributable to non-controlling interests.

Segment Reconciliation on a Proportionate Basis – Three Months Ended December 31, 2018

The following table reflects Adjusted EBITDA, FFO and CAFD and provides reconciliation to IFRS financial data for the three months ended December 31, 2018:

	Attributable to Unitholders					Contribution from equity accounted investments	Attributable to non- controlling interests	As per IFRS Financials ⁽¹⁾
	Hydroelectric	Wind	Solar	Storage and Other	Corporate	Total		
(MILLIONS)								
Revenues	353	100	40	23	—	516	(89)	780
Other income	11	11	1	—	5	28	(2)	24
Direct operating costs	(125)	(24)	(11)	(7)	(6)	(173)	23	(276)
Share of Adjusted EBITDA from equity accounted investments	—	—	—	—	—	—	68	76
Adjusted EBITDA	239	87	30	16	(1)	371	—	233
Management service costs	—	—	—	—	(16)	(16)	—	(16)
Interest expense - borrowings	(58)	(28)	(15)	(7)	(24)	(132)	28	(171)
Current income taxes	(3)	1	—	—	—	(2)	—	(10)
Distributions attributable to:								
Preferred limited partners equity	—	—	—	—	(9)	(9)	—	(9)
Preferred equity	—	—	—	—	(6)	(6)	—	(6)
Share of interest and cash taxes from equity accounted investments	—	—	—	—	—	—	(28)	(31)
Share of Funds From Operations attributable to non-controlling interests	—	—	—	—	—	—	—	(155)
Funds From Operations	178	60	15	9	(56)	206	—	—
Adjusted sustaining capital expenditures	(16)	—	—	—	(2)	(18)	—	—
Wind and solar amortization	—	(14)	(5)	—	—	(19)	—	—
Realized gains on asset sales	117	—	—	—	—	117	—	—
Cash Available for Distribution	279	46	10	9	(58)	286	—	—
Cash Available for Distribution adjustments	(101)	14	5	—	2	(80)	—	—
Depreciation	(98)	(49)	(16)	(6)	(1)	(170)	35	(208)
Foreign exchange and unrealized financial instruments gain (loss)	8	8	(6)	—	(14)	(4)	3	1
Deferred income tax recovery (expense)	20	29	22	—	—	71	(52)	91
Other	(5)	(1)	(1)	1	(6)	(12)	4	(10)
Share of earnings from equity accounted investments	—	—	—	—	—	—	11	11
Net loss attributable to non-controlling interests	—	—	—	—	—	—	—	—
Net income (loss) attributable to Unitholders	103	47	14	4	(77)	91	1	91

⁽¹⁾ Share of earnings from equity accounted investments of \$56 million is comprised of amounts found on the share of Adjusted EBITDA, share of interest and cash taxes and share of earnings lines. Net income attributable to participating non-controlling interests – in operating subsidiaries of \$155 million is comprised of amounts found on Share of Funds From Operations attributable to non-controlling interests and Net loss attributable to non-controlling interests.

Per Unit Reconciliation – Three Months Ended December 31

The following table reconciles the non-IFRS financial metrics to the most directly comparable IFRS measures. Net income attributable to Unitholders is reconciled to FFO and reconciled to Proportionate Adjusted EBITDA, and earnings per unit is reconciled to FFO per unit, both for the three months ended December 31:

			Per unit	
	2019	2018	2019	2018
(MILLIONS, EXCEPT AS NOTED)				
Net income attributable to:				
Limited partners' equity	\$ (38)	\$ 52	\$ (0.21)	\$ 0.29
General partnership interest in a holding subsidiary held by Brookfield	—	2	—	—
Participating non-controlling interests - in a holding subsidiary - Redeemable/Exchangeable units held by Brookfield	(28)	37	—	—
Net income attributable to Unitholders	\$ (66)	\$ 91	\$ (0.21)	\$ 0.29
Adjusted for proportionate share of:				
Depreciation	172	170	0.55	0.54
Foreign exchange and unrealized financial instruments loss (gain)	(15)	4	(0.05)	0.01
Deferred income tax recovery	(29)	(71)	(0.09)	(0.23)
Other	109	12	0.35	0.05
FFO	\$ 171	\$ 206	\$ 0.55	\$ 0.66
Distributions attributable to:				
Preferred limited partners' equity	11	9		
Preferred equity	7	6		
Current income taxes	9	2		
Interest expense - borrowings	115	132		
Management service costs	35	16		
Proportionate Adjusted EBITDA	\$ 348	\$ 371		
Attributable to non-controlling interests	202	233		
Consolidated Adjusted EBITDA	\$ 550	\$ 604		
Weighted average units outstanding ⁽¹⁾			311.3	312.2

(1) Includes GP interest, Redeemable/Exchangeable partnership units, and LP Units.

Segment Proportionate Balance Sheet

(MILLIONS)	Attributable to Unitholders					Contribution from equity accounted investments	Attributable to non- controlling interests	As per IFRS financials
	Hydro	Wind	Solar	Storage and Other	Corporate	Total		
As at December 31, 2019								
Cash and cash equivalents	27	46	63	6	1	143	(89)	115
Property, plant and equipment	15,199	3,739	2,018	732	—	21,688	(4,147)	30,714
Total assets	16,371	4,021	2,266	780	103	23,541	(2,872)	35,691
Total borrowings	3,727	1,742	1,470	235	2,107	9,281	(2,157)	11,004
Other liabilities	3,524	735	335	31	248	4,873	(715)	6,556
For the year ended December 31, 2019								
Additions to property, plant and equipment	166	145	—	26	3	340	(121)	363
As at December 31, 2018	—	—	—	—	—	—	—	—
Cash and cash equivalents	50	66	41	9	3	169	(81)	173
Property, plant and equipment	15,014	3,683	1,354	686	(9)	20,728	(3,529)	29,025
Total assets	16,098	3,928	1,650	746	161	22,583	(2,483)	34,103
Total borrowings	3,612	1,779	1,021	249	2,328	8,989	(1,972)	10,718
Other liabilities	3,348	670	255	31	211	4,515	(511)	6,179
For the year ended December 31, 2018								
Additions to property, plant and equipment	133	21	9	3	6	172	(16)	301



Appendix 2 – Consolidated Information

Consolidated Results – Year Ended December 31

Brookfield

	(GWh)				(MILLIONS)					
	Actual Generation		LTA Generation		Revenues		Adjusted EBITDA		Funds From Operations	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Hydroelectric										
North America										
United States	13,437	12,929	11,982	11,982	\$ 828	\$ 820	\$ 546	\$ 541	\$ 287	\$ 252
Canada	5,100	5,263	5,177	5,177	295	330	240	264	182	191
	18,537	18,192	17,159	17,159	1,123	1,150	786	805	469	443
Brazil	4,594	4,424	4,907	4,750	259	285	216	207	150	142
Colombia	12,850	13,979	14,484	14,476	979	896	598	513	101	86
	35,981	36,595	36,550	36,385	2,361	2,331	1,600	1,525	720	671
Wind										
North America										
United States	5,760	6,141	6,870	6,669	93	98	118	111	41	36
Canada	1,242	1,136	1,437	1,273	89	98	79	81	53	57
	7,002	7,277	8,307	7,942	182	196	197	192	94	93
Europe	2,655	1,868	2,790	2,120	121	126	115	104	48	38
Brazil	1,929	1,824	1,902	2,095	110	124	81	98	19	24
Asia	995	545	1,008	519	71	38	61	27	10	5
	12,581	11,514	14,007	12,676	484	484	454	421	171	160
Solar	3,260	3,001	3,369	2,910	100	139	224	215	103	72
Storage & Other	738	946	—	—	35	28	73	78	27	32
Corporate	—	—	—	—	—	—	(12)	(16)	(260)	(259)
Total	52,560	52,056	53,926	51,971	\$ 2,980	\$ 2,982	\$ 2,339	\$ 2,223	\$ 761	\$ 676

Consolidated Results – Three Months Ended December 31

Brookfield

	(GWh)				(MILLIONS)					
	Actual Generation		LTA Generation		Revenues		Adjusted EBITDA		Funds From Operations	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Hydroelectric										
North America										
United States	3,061	3,612	2,926	2,926	\$ 188	\$ 216	\$ 116	\$ 136	\$ 67	\$ 64
Canada	992	1,447	1,218	1,218	58	98	42	80	27	57
	4,053	5,059	4,144	4,144	246	314	158	216	94	121
Brazil	1,044	1,100	1,241	1,210	69	70	46	47	31	33
Colombia	3,106	4,081	4,021	3,888	261	232	154	136	26	24
	8,203	10,240	9,406	9,242	576	616	358	399	151	178
Wind										
North America										
United States	1,488	1,663	1,807	1,790	16	18	26	31	10	12
Canada	375	322	419	343	27	28	24	23	17	17
	1,863	1,985	2,226	2,133	43	46	50	54	27	29
Europe	739	756	681	763	27	39	28	45	11	25
Brazil	512	440	491	584	30	27	23	20	6	4
Asia	365	149	363	128	25	11	20	8	3	2
	3,479	3,330	3,761	3,608	125	123	121	127	47	60
Solar	642	662	683	635	19	36	50	56	22	15
Storage & Other	141	213	—	—	6	5	24	23	7	9
Corporate	—	—	—	—	—	—	(3)	(1)	(56)	(56)
Total	12,465	14,445	13,850	13,485	\$ 726	\$ 780	\$ 550	\$ 604	\$ 171	\$ 206



Appendix 3 – Additional Information

Annualized Proportionate Long-term Average Generation

GENERATION (GWh) ⁽¹⁾	Q1	Q2	Q3	Q4	Total
Hydroelectric					
North America					
United States	2,223	2,364	1,469	1,953	8,009
Canada	1,007	1,219	974	959	4,159
	3,230	3,583	2,443	2,912	12,168
Colombia	798	869	853	969	3,489
Brazil	988	998	1,009	1,009	4,004
	5,016	5,450	4,305	4,890	19,661
Wind					
North America					
United States	606	626	453	569	2,254
Canada	346	307	248	365	1,266
	952	933	701	934	3,520
Europe	246	183	163	216	808
Brazil	119	141	215	172	647
Asia	105	126	129	112	472
	1,422	1,383	1,208	1,434	5,447
Solar					
Utility ⁽²⁾	198	304	315	186	1,003
Distributed generation	64	102	97	57	320
	262	406	412	243	1,323
Total	6,700	7,239	5,925	6,567	26,431

⁽¹⁾ LTA is calculated on a proportionate and an annualized basis from the beginning of the year, regardless of the acquisition or commercial operation date. See Presentation to Stakeholders and Performance Measurement for an explanation on the calculation and relevance of proportionate information, our methodology in computing LTA and why we do not consider LTA for our Storage and Other facilities.

⁽²⁾ Includes seven solar facilities (91 MW) in South Africa and Asia that have been presented as Assets held for sale.

Annualized Consolidated Long-term Average Generation

GENERATION (GWh) ⁽¹⁾	Q1	Q2	Q3	Q4	Total
Hydroelectric					
North America					
United States	3,404	3,474	2,178	2,926	11,982
Canada	1,228	1,508	1,223	1,218	5,177
	4,632	4,982	3,401	4,144	17,159
Colombia	3,316	3,612	3,535	4,022	14,485
Brazil	1,215	1,228	1,241	1,240	4,924
	9,163	9,822	8,177	9,406	36,568
Wind					
North America					
United States	1,906	1,833	1,352	1,807	6,898
Canada	400	345	273	419	1,437
	2,306	2,178	1,625	2,226	8,335
Europe	743	554	493	646	2,436
Brazil	361	423	627	490	1,901
Asia	368	440	454	388	1,650
	3,778	3,595	3,199	3,750	14,322
Solar					
Utility ⁽²⁾	922	1,411	1,485	873	4,691
Distributed generation	218	344	330	193	1,085
	1,140	1,755	1,815	1,066	5,776
Total	14,081	15,172	13,191	14,222	56,666

⁽¹⁾ LTA is calculated on a consolidated and an annualized basis from the beginning of the year, regardless of the acquisition or commercial operation date. See Presentation to Stakeholders and Performance Measurement for an explanation on our methodology in computing LTA and why we do not consider LTA for our Storage and Other facilities.

⁽²⁾ Includes seven solar facilities (91 MW) in South Africa and Asia that have been presented as Assets held for sale.



Appendix 4 – Presentation to Stakeholders and Performance Measurement

Actual and Long-term Average Generation

For assets acquired, disposed or reaching commercial operation during the period, reported generation is calculated from the acquisition, disposition or commercial operation date and is not annualized. As it relates to Colombia only, generation includes both hydroelectric and cogeneration facilities. “Other” includes generation from North America cogeneration and Brazil biomass.

North America hydroelectric LTA is the expected average level of generation based on the results of a simulation based on historical inflow data performed over a period of typically 30 years. Colombia hydroelectric LTA is the expected average level of generation based on the results of a simulation based on historical inflow data performed over a period of typically 20 years. Hydroelectric assets located in Brazil benefit from a market framework which levelizes generation risk across producers. Wind LTA is the expected average level of generation based on the results of simulated historical wind speed data performed over a period of typically 10 years. Solar LTA is the expected average level of generation based on the results of a simulation using historical irradiance levels in the locations of our projects over a period of 14 to 20 years.

We compare actual generation levels against the long-term average to highlight the impact of an important factor that affects the variability of our business results. In the short-term, we recognize that hydrology, wind and irradiance conditions will vary from one period to the next; over time however, we expect our facilities will continue to produce inline with their long-term averages, which have proven to be reliable indicators of performance.

Our risk of a generation shortfall in Brazil continues to be minimized by participation in a hydrological balancing pool administered by the government of Brazil. This program mitigates hydrology risk by assuring that all participants receive, at any particular point in time, an assured energy amount, irrespective of the actual volume of energy generated. The program reallocates energy, transferring surplus energy from those who generated an excess to those who generate less than their assured energy, up to the total generation within the pool. Periodically, low precipitation across the entire country’s system could result in a temporary reduction of generation available for sale. During these periods, we expect that a higher proportion of thermal generation would be needed to balance supply and demand in the country potentially leading to higher overall spot market prices.

Generation from our North American pumped storage and cogeneration facilities is highly dependent on market price conditions rather than the generating capacity of the facilities. Our European pumped storage facility generates on a dispatchable basis when required by our contracts for ancillary services. Generation from our biomass facilities is dependent on the amount of sugar cane harvested in a given year. For these reasons, we do not consider a long-term average for these facilities.

Brookfield Renewable’s consolidated equity interests

Brookfield Renewable’s consolidated equity interests include the non-voting publicly traded limited partnership units (“LP Units”) held by public unitholders and Brookfield, redeemable/exchangeable partnership units held by Brookfield (“Redeemable/Exchangeable partnership units”), in Brookfield Renewable Energy L.P. (“BRELP”), a holding subsidiary of Brookfield Renewable, and general partnership interest (“GP interest”) in BRELP held by Brookfield. Holders of the GP interest, Redeemable/Exchangeable partnership units, and LP Units will be collectively referred to throughout as “Unitholders” or “per Unit”. The LP Units and Redeemable/Exchangeable partnership units have the same economic attributes in all respects.

One of our primary business objectives is to generate reliable and growing cash flows while minimizing risk for the benefit of all stakeholders. We monitor our performance in this regard through four key metrics – i) Net Income (Loss), ii) Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization, iii) Funds From Operations and iv) Cash Available for Distribution. It is important to highlight that Adjusted EBITDA, Funds From Operations and Cash Available for Distribution do not have any standardized meaning prescribed by IFRS and therefore are unlikely to be comparable to similar measures presented by other companies.

- **Net Income (Loss)** – Calculated in accordance with IFRS. Net income (loss) is an important measure of profitability, in particular because it has a standardized meaning under IFRS. The presentation of net income (loss) on an IFRS basis for our business will often lead to the recognition of a loss or a year-over-year decrease in income even though the underlying cash flows generated by the assets are supported by strong margins and stable, long-term power purchase agreements. The primary reason for this is that accounting rules require us to recognize a significantly higher level of depreciation for our assets than we are required to reinvest in the business as sustaining capital expenditures.
- **Adjusted Earnings Before Interest, Taxes, Depreciation, and Amortization (Adjusted EBITDA)** – EBITDA is a non-IFRS measure used by investors to analyze the operating performance of companies. Brookfield Renewable uses Adjusted EBITDA to assess the performance of its operations before the effects of interest expense, income taxes, depreciation, management service costs, non-controlling interests, unrealized gain or loss on financial instruments, non-cash gain or loss from equity-accounted investments, distributions to preferred limited partners and other typical non-recurring items. Brookfield Renewable adjusts for these factors as they may be non-cash, unusual in nature and/or are not factors used by management for evaluating operating performance. Brookfield Renewable believes that presentation of this measure will enhance an investor's understanding of the performance of the business.
- **Funds From Operations and Funds From Operations per Unit** – Funds From Operations is a non-IFRS measure used by investors to analyze net earnings from operations without the effects of certain volatile items that generally have no current financial impact or items not directly related to the performance of the business. Brookfield Renewable uses Funds From Operations to assess the performance of the business before the effects of certain cash items (e.g. acquisition costs and other typical non-recurring cash items) and certain non-cash items (e.g. deferred income taxes, depreciation, non-cash portion of non-controlling interests, unrealized gain or loss on financial instruments, non-cash gain or loss from equity-accounted investments, and other non-cash items) as these are not reflective of the performance of the underlying business. In our consolidated financial statements we use the revaluation approach in accordance with IAS 16, *Property, Plant and Equipment*, whereby depreciation is determined based on a revalued amount, thereby reducing comparability with our peers who do not report under IFRS as issued by the IASB or who do not employ the revaluation approach to measuring property, plant and equipment. We add back deferred income taxes on the basis that we do not believe this item reflects the present value of the actual tax obligations that we expect to incur over our long-term investment horizon. Brookfield Renewable believes that analysis and presentation of Funds From Operations on this basis will enhance an investor's understanding of the performance of the business. Funds From Operations per Unit is not a substitute measure of performance for earnings per share and should not represent amounts available for distribution to LP Unitholders.

- **Cash Available for Distribution** – Cash Available for Distribution is a non-IFRS measure used by investors to analyze net earnings from operations without the effects of certain volatile items that generally have no current financial impact or items not directly related to the performance of the business. Brookfield Renewable uses Cash Available for Distribution to also assess performance of the business and defines it as Funds From Operations minus Brookfield Renewable's proportionate share of adjusted sustaining capital expenditures (see below), minus the long-term sustainable debt amortization of our wind and solar portfolios (the initial debt capacity of our wind and solar projects amortized on a straight line basis over the useful life of the projects) plus realized gains on asset sales. Adjusted sustaining capital expenditures are an estimate made by management of the amount of ongoing capital investment required to maintain the condition of all our facilities and current revenues. Annually, Brookfield Renewable determines the fair value of its property, plant and equipment using a 20-year discounted cash flow model with each operational facility having a 20-year capital plan. In addition, the useful lives of property, plant and equipment are determined periodically by independent engineers and are reviewed annually by management. Management considers several items in estimating adjusted sustaining capital expenditures. Such factors include, but are not limited to, review and analysis of historical capital spending, the annual budgeted capital expenditures, management's 5-year business plan, and independent third-party engineering assessments. Sustaining capital expenditures do not occur evenly over the life of our assets and may fluctuate depending on the timing of actual project spend. Adjusted sustaining capital expenditures are intended to reflect an average annual spending level based on the 20-year capital plan and are our best estimate of the long-term capital required to maintain the operations of our facilities. Over time, we expect our average sustaining capital expenditures to be inline with our adjusted long-term sustaining capital forecasts. Accounting rules require us to recognize a significantly higher level of depreciation for our assets than we are required to reinvest in the business as sustaining capital expenditures. This higher level of depreciation is primarily attributed to: 1) our election to annually fair value property, plant and equipment under IFRS; and 2) accounting useful life is not always reflective of the perpetual nature of a hydroelectric facility. Neither Funds From Operations or Cash Available for Distribution are intended to be representative of cash provided by operating activities or results of operations determined in accordance with IFRS. Furthermore, these measures are not used by the CODM to assess Brookfield Renewable's liquidity.

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