
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
Form 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2020

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission file number 1-06732

COVANTA HOLDING CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

*(State or Other Jurisdiction of
Incorporation or Organization)*

445 South Street
(Address of Principal Executive Office)

Morristown, NJ

(862) 345-5000

(Registrant's telephone number including area code)

95-6021257

*(I.R.S. Employer
Identification Number)*

07960

(Zip Code)

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Trading Symbol(s)</u>	<u>Name of each exchange on which registered</u>
Common Stock, \$0.10 par value per share	CVA	New York Stock Exchange

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

Large Accelerated Filer	Accelerated filer	Non-accelerated filer	Smaller reporting company	Emerging growth company
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Do not check if a smaller reporting company)

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

Applicable Only to Corporate Issuers:

Indicate the number of shares of the registrant's Common Stock outstanding as of the latest practicable date.

<u>Class</u>	<u>Outstanding at July 24, 2020</u>
Common Stock, \$0.10 par value	131,982,149

**COVANTA HOLDING CORPORATION AND SUBSIDIARIES
FORM 10-Q QUARTERLY REPORT
FOR THE QUARTER ENDED JUNE 30, 2020**

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CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This report contains “forward-looking statements” within the meaning of Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are those that address activities, events or developments that we or our management intends, expects, projects, believes or anticipates will or may occur in the future. They are based on management’s assumptions and assessments in light of past experience and trends, current economic and industry conditions, expected future developments and other relevant factors. They are not guarantees of future performance and actual results. Developments and business decisions may differ from those envisaged by our forward-looking statements. Our forward-looking statements are also subject to risks and uncertainties, which can affect our performance in both the near and long-term. These forward-looking statements should be considered in light of the information included in this report and our other filings with the Securities and Exchange Commission, including, without limitation, the Risk Factors, as well as the description of trends and other factors in Management’s Discussion and Analysis of Financial Condition and Results of Operations, set forth in our 2019 Annual Report on Form 10-K.

PART I. FINANCIAL INFORMATION
Item 1. FINANCIAL STATEMENTS
**COVANTA HOLDING CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS**

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
(Unaudited)				
(In millions, except per share amounts)				
OPERATING REVENUE:				
Waste and service revenue	\$ 344	\$ 359	\$ 690	\$ 686
Energy revenue	78	72	171	166
Recycled metals revenue	20	21	37	42
Other operating revenue	12	15	24	26
Total operating revenue	<u>454</u>	<u>467</u>	<u>922</u>	<u>920</u>
OPERATING EXPENSE:				
Plant operating expense	340	354	701	713
Other operating expense, net	14	16	26	33
General and administrative expense	26	31	56	61
Depreciation and amortization expense	56	55	114	110
Impairment charges	—	1	19	1
Total operating expense	<u>436</u>	<u>457</u>	<u>916</u>	<u>918</u>
Operating income	<u>18</u>	<u>10</u>	<u>6</u>	<u>2</u>
OTHER (EXPENSE) INCOME:				
Interest expense	(34)	(36)	(68)	(72)
Net (loss) gain on sale of business and investments	—	(2)	9	48
Other (expense) income, net	(1)	1	(2)	2
Total expense	<u>(35)</u>	<u>(37)</u>	<u>(61)</u>	<u>(22)</u>
Loss before income tax benefit and equity in net income from unconsolidated investments	<u>(17)</u>	<u>(27)</u>	<u>(55)</u>	<u>(20)</u>
Income tax benefit	4	3	9	1
Equity in net income from unconsolidated investments	—	3	1	3
Net loss	<u>\$ (13)</u>	<u>\$ (21)</u>	<u>\$ (45)</u>	<u>\$ (16)</u>
Weighted Average Common Shares Outstanding:				
Basic	<u>132</u>	<u>131</u>	<u>132</u>	<u>131</u>
Diluted	<u>132</u>	<u>131</u>	<u>132</u>	<u>131</u>
Loss Per Share:				
Basic	<u>\$ (0.10)</u>	<u>\$ (0.16)</u>	<u>\$ (0.34)</u>	<u>\$ (0.12)</u>
Diluted	<u>\$ (0.10)</u>	<u>\$ (0.16)</u>	<u>\$ (0.34)</u>	<u>\$ (0.12)</u>
Cash Dividend Declared Per Share	<u>\$ 0.08</u>	<u>\$ 0.25</u>	<u>\$ 0.33</u>	<u>\$ 0.50</u>

The accompanying notes are an integral part of the condensed consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
	<i>(Unaudited, in millions)</i>			
Net loss	\$ (13)	\$ (21)	\$ (45)	\$ (16)
Foreign currency translation	6	3	—	(2)
Pension and postretirement plan unrecognized benefits	(1)	—	(1)	—
Net unrealized (loss) gain on derivative instruments, net of tax (benefit) expense of (\$2), \$2, (\$2) and \$5, respectively	(11)	6	(15)	6
Other comprehensive (loss) income	(6)	9	(16)	4
Comprehensive loss	\$ (19)	\$ (12)	\$ (61)	\$ (12)

The accompanying notes are an integral part of the condensed consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS

	<u>June 30,</u> <u>2020</u>	<u>December 31,</u> <u>2019</u>
	(Unaudited)	
	(In millions, except per share amounts)	
ASSETS		
Current:		
Cash and cash equivalents	\$ 39	\$ 37
Restricted funds held in trust	10	18
Receivables (less allowances of \$6 and \$9, respectively)	231	240
Prepaid expenses and other current assets	103	105
Total Current Assets	383	400
Property, plant and equipment, net	2,431	2,451
Restricted funds held in trust	8	8
Intangible assets, net	247	258
Goodwill	302	321
Other assets	285	277
Total Assets	\$ 3,656	\$ 3,715
LIABILITIES AND EQUITY		
Current:		
Current portion of long-term debt	\$ 18	\$ 17
Current portion of project debt	9	8
Accounts payable	71	36
Accrued expenses and other current liabilities	282	292
Total Current Liabilities	380	353
Long-term debt	2,387	2,366
Project debt	119	125
Deferred income taxes	360	372
Other liabilities	130	123
Total Liabilities	3,376	3,339
Commitments and Contingencies (Note 15)		
Equity:		
Preferred stock (\$0.10 par value; authorized 10 shares; none issued and outstanding)	—	—
Common stock (\$0.10 par value; authorized 250 shares; issued 136 shares, outstanding 132 shares)	14	14
Additional paid-in capital	867	857
Accumulated other comprehensive loss	(51)	(35)
Accumulated deficit	(550)	(460)
Treasury stock, at par	—	—
Total equity	280	376
Total Liabilities and Equity	\$ 3,656	\$ 3,715

The accompanying notes are an integral part of the condensed consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOW

Six Months Ended June 30,

2020

2019

(Unaudited, in millions)

OPERATING ACTIVITIES:

Net loss	\$	(45)	\$	(16)
Adjustments to reconcile net loss to net cash provided by operating activities:				
Depreciation and amortization expense		114		110
Amortization of deferred debt financing costs		2		2
Net gain on sale of business and investments		(9)		(48)
Impairment charges		19		1
Stock-based compensation expense		14		15
Provision for expected credit losses		1		2
Equity in net income from unconsolidated investments		(1)		(3)
Deferred income taxes		(9)		(4)
Dividends from unconsolidated investments		3		5
Other, net		3		3
Change in working capital, net of effects of acquisitions and dispositions		62		18
Changes in noncurrent assets and liabilities, net		1		2
Net cash provided by operating activities		<u>155</u>		<u>87</u>

INVESTING ACTIVITIES:

Purchase of property, plant and equipment		(79)		(93)
Acquisition of businesses, net of cash acquired		—		2
Proceeds from the sale of assets, net of restricted cash		3		26
Investment in equity affiliate		(10)		(8)
Other, net		(8)		(1)
Net cash used in investing activities		<u>(94)</u>		<u>(74)</u>

FINANCING ACTIVITIES:

Proceeds from borrowings on long-term debt		9		14
Proceeds from borrowings on revolving credit facility		256		359
Payments on long-term debt		(9)		(8)
Payments on revolving credit facility		(237)		(248)
Payments on project debt		(5)		(13)
Cash dividends paid to stockholders		(68)		(68)
Proceeds from related party note		9		—
Payment of insurance premium financing		(16)		(14)
Other, net		(5)		(8)
Net cash (used in) provided by financing activities		<u>(66)</u>		<u>14</u>
Effect of exchange rate changes on cash, cash equivalents and restricted cash		(1)		—
Net (decrease) increase in cash, cash equivalents and restricted cash		(6)		27
Cash, cash equivalents and restricted cash at beginning of period		63		105
Cash, cash equivalents and restricted cash at end of period	\$	<u>57</u>	\$	<u>132</u>

Reconciliation of cash, cash equivalents and restricted cash:

Cash and cash equivalents	\$	39	\$	102
Restricted funds held in trust- short term		10		22
Restricted funds held in trust- long term		8		8
Total cash, cash equivalents and restricted cash	\$	<u>57</u>	\$	<u>132</u>

The accompanying notes are an integral part of the condensed consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF EQUITY

	Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Accumulated Earnings (Deficit)	Treasury Stock		Total
	Shares	Amount				Shares	Amount	
(Unaudited, in millions)								
Balance as of December 31, 2019	136	\$ 14	\$ 857	\$ (35)	\$ (460)	5	\$ —	\$ 376
Stock-based compensation expense	—	—	8	—	—	—	—	8
Dividend declared	—	—	—	—	(34)	—	—	(34)
Shares repurchased for tax withholdings for vested stock awards	—	—	(5)	—	—	(1)	—	(5)
Comprehensive loss, net of income taxes	—	—	—	(10)	(32)	—	—	(42)
Balance as of March 31, 2020	136	\$ 14	\$ 860	\$ (45)	\$ (526)	4	\$ —	\$ 303
Stock-based compensation expense	—	—	6	—	—	—	—	6
Dividend declared	—	—	—	—	(11)	—	—	(11)
Other	—	—	1	—	—	—	—	1
Comprehensive loss, net of income taxes	—	—	—	(6)	(13)	—	—	(19)
Balance as of June 30, 2020	136	\$ 14	\$ 867	\$ (51)	\$ (550)	4	\$ —	\$ 280
Balance as of December 31, 2018	136	\$ 14	\$ 841	\$ (33)	\$ (334)	5	\$ (1)	\$ 487
Cumulative effect change in accounting for ASU 2018-02	—	—	—	1	(1)	—	—	—
Stock-based compensation expense	—	—	8	—	—	—	—	8
Dividend declared	—	—	—	—	(34)	—	—	(34)
Shares repurchased for tax withholdings for vested stock awards	—	—	(8)	—	—	—	—	(8)
Other	—	—	—	—	—	—	1	1
Comprehensive (loss) income, net of income taxes	—	—	—	(5)	5	—	—	—
Balance as of March 31, 2019	136	\$ 14	\$ 841	\$ (37)	\$ (364)	5	\$ —	\$ 454
Stock-based compensation expense	—	—	7	—	—	—	—	7
Dividend declared	—	—	—	—	(34)	—	—	(34)
Other	—	—	—	—	1	—	—	1
Comprehensive income (loss), net of income taxes	—	—	—	9	(21)	—	—	(12)
Balance as of June 30, 2019	136	\$ 14	\$ 848	\$ (28)	\$ (418)	5	\$ —	\$ 416

The accompanying notes are an integral part of the condensed consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

NOTE 1. ORGANIZATION AND BASIS OF PRESENTATION

The terms “we,” “our,” “ours,” “us”, “Covanta” and “Company” refer to Covanta Holding Corporation and its subsidiaries; the term “Covanta Energy” refers to our subsidiary Covanta Energy, LLC and its subsidiaries.

Organization

Covanta is one of the world’s largest owners and operators of infrastructure for the conversion of waste to energy (known as “WtE”), and also owns and operates related waste transport, processing and disposal assets. WtE serves as both a sustainable waste management solution that is environmentally superior to landfilling and as a source of clean energy that reduces overall greenhouse gas emissions and is considered renewable under the laws of many states and under federal law. Our facilities are critical infrastructure assets that allow our customers, which are principally municipal entities, to provide an essential public service.

Our WtE facilities earn revenue from both the disposal of waste and the generation of electricity and/or steam as well as from the sale of metal recovered during the WtE process. We process approximately 21 million tons of solid waste annually. We operate and/or have ownership positions in 41 waste-to-energy facilities, which are primarily located in North America and Ireland. In total, these assets produce approximately 10 million megawatt hours (“MWh”) of baseload electricity annually. We operate a waste management infrastructure that is complementary to our core WtE business. We also have ownership positions in several projects currently in development and/or under construction in the United Kingdom.

In addition, we offer a variety of sustainable waste management solutions in response to customer demand, including industrial, consumer products and healthcare waste handling, treatment and assured destruction, industrial wastewater treatment and disposal, product depackaging and recycling, on-site cleaning services, and transportation services. Together with our processing of non-hazardous “profiled waste” for purposes of assured destruction or sustainability goals in our WtE facilities, we offer these services under our Covanta Environmental Solutions (“CES”) brand.

Basis of Presentation

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with United States Generally Accepted Accounting Principles (“GAAP”) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, they do not include all information and notes thereto required by GAAP for complete consolidated financial statements. In the opinion of management, all adjustments considered necessary for fair presentation have been included in our condensed consolidated financial statements. All intercompany accounts and transactions have been eliminated. Operating results for the interim period are not necessarily indicative of the results that may be expected for the year ending December 31, 2020. The condensed consolidated balance sheet at December 31, 2019, was derived from audited annual consolidated financial statements, but does not contain all of the notes thereto from the annual consolidated financial statements. This Form 10-Q should be read in conjunction with the Audited Consolidated Financial Statements and accompanying Notes in our 2019 Annual Report on Form 10-K.

Accounting Pronouncements Recently Adopted

In August 2019, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) ASU 2018-15, Customer’s Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract. The amendments in this update align the requirements for capitalizing implementation costs incurred in a hosting arrangement that is a service contract with the requirements for capitalizing implementation costs incurred to develop or obtain internal-use software. We adopted this guidance on January 1, 2020 on a prospective basis. The adoption of this guidance did not have a material impact on our consolidated financial statements.

In June 2016, the FASB issued ASU 2016-13, “Financial Instruments-Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments,” which amends the impairment model to utilize an expected loss methodology in place of the incurred loss methodology for financial instruments and off balance sheet credit exposures. The amendment requires entities to consider a broader range of information to estimate expected credit losses, which may result in earlier recognition of losses. We adopted this guidance on January 1, 2020 using a modified retrospective approach. The adoption of this guidance did not have a material impact on our consolidated financial statements.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Goodwill

Goodwill is the excess of our purchase price over the fair value of the net assets of acquired businesses. We do not amortize goodwill, but we assess our goodwill for impairment at least annually. The evaluation of goodwill requires the use of estimates of future cash flows to determine the estimated fair value of the reporting unit. All goodwill is related to our one reportable segment, which is comprised of two reporting units, North America WtE and CES. If the carrying value of the reporting unit exceeds the fair value, an impairment charge is recognized to reduce the carrying value to the fair value.

The goodwill recorded for our CES reporting unit totaled \$46 million as of December 31, 2019, and resulted from previously acquired materials processing facilities that are specially designed to process, treat, recycle, and dispose of solid and liquid wastes, which includes waste from the commercial sector. We performed the required annual impairment review of our recorded goodwill as of October 1, 2019. Based on the results of the test performed, we determined that the estimated fair value of the CES reporting unit exceeded the carrying value by 5%; therefore, we did not record a goodwill impairment charge for the year ended December 31, 2019.

Due to the marginal outcome of our review of goodwill recorded for our CES reporting unit as of October 1, 2019, we continued to monitor the CES reporting unit for impairment through the end of the first quarter of 2020. We considered the economic impacts of the novel coronavirus ("COVID-19") pandemic and the decline in waste volumes from the commercial and industrial sectors to be a triggering event and reviewed the goodwill held at the CES reporting unit. We performed an interim impairment test via a quantitative valuation as of March 31, 2020. As a result, in the first quarter of 2020, we recorded an impairment of \$16 million, net of tax benefit of \$3 million, which represents the carrying amount of our CES reporting unit in excess of its estimated fair value as of the testing date.

For our CES reporting unit, we determined an estimate of the fair value of this reporting unit by combining both the income and market approaches. The market approach was based on current trading multiples of EBITDA for companies operating in businesses similar to our CES reporting unit. In performing the test under the income approach, we utilized a discount rate of 12% and a long-term terminal growth rate of 2.5% beyond our planning period. The assumptions used in evaluating goodwill for impairment are subject to change and are tracked against historical performance.

While we believe the assumptions used were reasonable and commensurate with the views of a market participant, as we continue to monitor the CES reporting unit for impairment through the end of 2020, changes in key assumptions, including increasing the discount rate, lowering forecasts for revenue, operating margin or lowering the long-term growth rate for our CES reporting unit, could result in further impairments.

We did not determine there to be a triggering event for our North America WtE reporting unit and concluded that the fair value of this reporting unit was not likely to be lower than the carrying value as of the interim testing date.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

NOTE 2. RECENT ACCOUNTING PRONOUNCEMENTS

The following table summarizes recent ASU's issued by the FASB that could have a material impact on our consolidated financial statements.

Standard	Description	Effective Date	Effect on the financial statements or other significant matters
ASU 2020-04 Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting	This standard provides optional guidance for a limited period of time to ease the potential burden in accounting for (or recognizing the effects of) reference rate reform on financial reporting due to the cessation of the London Interbank Offered Rate (LIBOR). The amendments are elective and apply to all entities that have contracts, hedging relationships, and other transactions that reference LIBOR or another reference rate expected to be discontinued.	First quarter of 2020 through December 31, 2022.	Generally, our debt agreements and interest rate derivatives contracts include a transition clause in the event LIBOR is discontinued, as such, we do not expect the transition of LIBOR to have a material impact on our financial statements. During Q2 2020 the Company elected to apply the hedge accounting expedients related to probability and the assessments of effectiveness for future LIBOR-indexed cash flows to assume that the index upon which future hedged transactions will be based matches the index on the corresponding derivatives. In addition, the Company elected to apply the expedient to not reassess the conclusions reached on embedded derivatives. Application of these expedients preserves the presentation of derivatives consistent with past presentation. The Company continues to evaluate the impact of the guidance and may apply other elections as applicable as additional changes in the market occur.
ASU 2019-12 Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes	This standard was issued with the intent to simplify various aspects of income taxes. The standard requires a prospective basis of adoption and a retrospective basis adjustment for amendments related to franchise taxes.	First quarter of 2021, early adoption is permitted.	We are currently evaluating the impact this standard will have on our consolidated financial statements.

NOTE 3. NEW BUSINESS AND ASSET MANAGEMENT

Zhao County, China Venture

On December 31, 2019, we made an equity investment in a venture that signed a concession agreement with Zhao County, China for the construction and operation of a new 1,200 ton-per-day WtE facility located approximately 200 miles from Beijing ("Zhao County"). The project is being developed jointly by Covanta and a strategic local partner, Longking Energy Development Co. Ltd. Construction began in April 2020, with completion expected in 2021.

As of June 30, 2020 and December 31, 2019, our equity investment in the venture totaled RMB 35 million (\$5 million), which amounted to a 26% ownership interest. We are required to contribute an additional RMB 61 million (\$9 million) by the end of 2021, when our eventual ownership interest in the venture is expected to be 49%.

In January 2020, in connection with our Zhao County agreement, we obtained local equity financing in the amount of RMB 61 million (\$9 million), the proceeds of which we provided to the project in the form of a shareholder loan. The loan is due in January 2022 and is collateralized through a pledge of our equity in the project.

This investment is accounted for under the equity method of accounting and was included in Other assets on our consolidated balance sheets.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Green Investment Group ("GIG") Joint Venture

Newhurst

In February 2020, we reached financial close on the Newhurst Energy Recovery Facility ("Newhurst"), a 350,000 metric ton-per-year, 42 megawatt WtE facility under construction in Leicestershire, England. Through a 50/50 jointly-owned and governed entity ("Covanta Green"), we and GIG own a 50% interest in Newhurst, with Biffa plc, a UK waste services provider, holding the remaining 50% interest. Biffa will provide approximately 70% of the waste supply to the project, and we will provide operations and maintenance services, in each case under a 20-year arrangement. Newhurst is expected to commence commercial operations in 2023.

In connection with the transaction, we received \$8 million (£5 million) of total consideration for the value of our development costs incurred to date and related fees and for GIG's right to invest 25% in the project (50% investment in Covanta Green). For the six months ended June 30, 2020, as a result of this consideration and a step-up in the fair value of our retained equity investment, we recorded a gain of \$9 million (£7 million) in Net gain on sale of business and investments in our condensed consolidated statement of operations. As of June 30, 2020, \$4 million of the consideration received remains in Covanta Green.

As of June 30, 2020, our equity method investment in the JV of \$6 million was included in Other assets in our condensed consolidated balance sheet. The fair value of our retained equity investment in Covanta Green was determined by the fair value of the consideration received from GIG for the right to invest in 25% in the project.

Rookery

In March 2019, we reached financial close on the Rookery South Energy Recovery Facility ("Rookery"), a 1,600 metric ton-per-day, 60 megawatt WtE facility under construction in Bedfordshire, England. Through Covanta Green, we and GIG own an 80% interest in the project. We co-developed the project with Veolia ES (UK) Limited ("Veolia"), who owns the remaining 20%. We provide technical oversight during construction and will provide operations and maintenance ("O&M") services for the facility, and Veolia will be responsible for providing at least 70% of the waste supply for the project. The facility is expected to commence commercial operations in 2022.

In connection with the transaction, we received \$44 million (£34 million) of total consideration for the value of our development costs incurred to date and related fees and for GIG's right to invest 40% in the project (50% investment in Covanta Green). For the six months ended June 30, 2019, as a result of this consideration and a step-up in the fair value of our retained equity investment, we recorded a gain of \$57 million in Net gain on sale of business and investments in our condensed consolidated statement of operations. As of June 30, 2020, \$17 million of the consideration received remains in Covanta Green. As of June 30, 2020 and December 31, 2019, our equity method investment of \$2 million and \$9 million, respectively, was included in Other assets on our condensed consolidated balance sheets. The fair value of our retained equity investment in Covanta Green was determined by the fair value of the consideration received from GIG for the right to invest in 40% in the project.

Divestiture of Springfield and Pittsfield WtE facilities

During the second quarter of 2019, as part of our ongoing asset rationalization and portfolio optimization efforts, we divested our Pittsfield and Springfield WtE facilities. During the three and six months ended June 30, 2019, we recognized a loss of \$3 million and \$12 million, respectively, which was included in Net (loss) gain on sale of business and investments in our condensed consolidated statement of operations.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

NOTE 4. EARNINGS PER SHARE AND EQUITY
Earnings Per Share

We calculate basic Earnings Per Share ("EPS") using net earnings for the period and the weighted average number of outstanding shares of our common stock, par value \$0.10 per share, during the period. Diluted earnings per share computations, as calculated under the treasury stock method, include the weighted average number of shares of additional outstanding common stock issuable for stock options, restricted stock awards and restricted stock units whether or not currently exercisable. Diluted earnings per share does not include securities if their effect was anti-dilutive.

Basic and diluted weighted average shares outstanding were as follows (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Basic weighted average common shares outstanding	132	131	132	131
Dilutive effect of stock options, restricted stock and restricted stock units	—	—	—	—
Diluted weighted average common shares outstanding	132	131	132	131
Anti-dilutive stock options, restricted stock and restricted stock units excluded from the calculation of EPS	4	2	3	2

Equity
Accumulated Other Comprehensive (Loss) Income ("AOCI")

The changes in accumulated other comprehensive loss are as follows (in millions):

	Foreign Currency Translation	Pension and Other Postretirement Plan Unrecognized Net Gain	Net Unrealized (Loss) Gain On Derivatives	Total
Balance at December 31, 2018	\$ (23)	\$ 2	\$ (12)	\$ (33)
Cumulative effect change in accounting for ASU 2018-02	—	1	—	1
Balance at January 1, 2019	(23)	3	(12)	(32)
Other comprehensive (loss) income	(2)	—	6	4
Balance at June 30, 2019	\$ (25)	\$ 3	\$ (6)	\$ (28)
Balance at December 31, 2019	\$ (30)	\$ 3	\$ (8)	\$ (35)
Other comprehensive loss	—	(1)	(15)	(16)
Balance at June 30, 2020	\$ (30)	\$ 2	\$ (23)	\$ (51)

NOTE 5. REVENUE
Disaggregation of revenue

A disaggregation of revenue from contracts with customers is presented in our condensed consolidated statements of operations for the three and six months ended June 30, 2020 and 2019. We have one reportable segment which comprises our entire operating business.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Performance Obligations and Transaction Price Allocated to Remaining Performance Obligations

ASC 606 requires disclosure of the aggregate amount of transaction price that is allocated to performance obligations that have not yet been satisfied as of June 30, 2020. The guidance provides certain conditions (identified as "practical expedients") that limit this disclosure requirement. We have contracts that meet the following practical expedients provided by ASC 606:

1. The performance obligation is part of a contract that has an original expected duration of one year or less;
2. Revenue is recognized from the satisfaction of the performance obligations in the amount billable to our customer that corresponds directly with the value to the customer of our performance completed to date (i.e. "right-to-invoice" practical expedient); and/or
3. The variable consideration is allocated entirely to a wholly unsatisfied performance obligation or to a wholly unsatisfied promise to transfer a distinct service or a series of distinct services that are substantially the same and that have the same pattern of transfer to our customer (i.e. "series practical expedient").

Our remaining performance obligation primarily consists of the fixed consideration contained in our contracts. As of June 30, 2020 our total remaining performance obligation was \$6.1 billion, of which we expect to recognize 6% for the remainder of 2020 and 10% in 2021.

Contract Balances

The following table reflects the balance in our contract assets, which we classify as accounts receivable unbilled and present net in Receivables, and our contract liabilities, which we classify as deferred revenue and present in Accrued expenses and other current liabilities in our condensed consolidated balance sheet (in millions):

	June 30, 2020	December 31, 2019
Unbilled receivables	\$ 20	\$ 16
Deferred revenue	\$ 15	\$ 18

For the six months ended June 30, 2020, revenue recognized that was included in deferred revenue in our condensed consolidated balance sheet at the beginning of the period totaled \$6 million.

NOTE 6. STOCK-BASED AWARD PLANS

During the six months ended June 30, 2020, we awarded certain employees grants of 1,687,293 restricted stock units ("RSUs"). The RSUs will be expensed over the requisite service period. The terms of the RSUs include vesting provisions based solely on continued service. If the service criteria are satisfied, the RSUs will generally vest during March of 2021, 2022, and 2023.

During the six months ended June 30, 2020, we awarded 158,148 RSUs and 26,160 restricted stock awards ("RSAs") for annual director compensation. In addition, during the six months ended June 30, 2020, we issued 15,667 RSUs for quarterly director fees to certain of our directors who elected to receive RSUs in lieu of cash payments. We determined the service vesting condition of these RSU's to be non-substantive and, in accordance with accounting principles for stock compensation, recorded the entire fair value of the awards as compensation expense on the grant date.

During the six months ended June 30, 2020, we awarded certain employees grants of 629,094 Free Cash Flow per share ("FCF") and total shareholder return ("TSR") performance awards. The FCF awards and the TSR awards will each cliff vest at the end of the 3 year performance period, however, the number of shares delivered will vary based upon the attained level of performance and may range from 0 to 2 times the number of target units awarded.

During the six months ended June 30, 2020, we withheld 432,344 shares of our common stock in connection with tax withholdings for vested stock awards.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Compensation expense related to our stock-based awards was as follows (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Share based compensation expense	\$ 6	\$ 7	\$ 14	\$ 15

Unrecognized stock-based compensation expense and weighted-average years to be recognized are as follows (in millions, except for weighted average years):

	As of June 30, 2020	
	Unrecognized stock- based compensation	Weighted- average years to be recognized
Restricted stock units	\$ 16	1.6
Performance awards	\$ 9	2.0
Restricted stock awards	\$ —	0.7

NOTE 7. SUPPLEMENTARY INFORMATION

Pass through costs

Pass through costs are costs for which we receive a direct contractually committed reimbursement from the public sector client that sponsors a WtE project. These costs generally include utility charges, insurance premiums, ash residue transportation and disposal, and certain chemical costs. These costs are recorded net of public sector client reimbursements as a reduction to Plant operating expense in our condensed consolidated statement of operations.

Pass through costs were as follows (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Pass through costs	\$ 10	\$ 12	\$ 23	\$ 25

Related Party Note Payable

During June 2020, we issued a £8 million (\$9 million) note to a related party on market terms. The note is expected to be redeemed within 12 months and is classified within Accrued expenses and other current liabilities on our balance sheet as of June 30, 2020. If the note is not redeemed within 12 months, the final redemption date is December 2024.

NOTE 8. INCOME TAXES

We generally record our interim tax provision based upon a projection of the Company's annual effective tax rate ("AETR"). This AETR is applied to the year-to-date consolidated pre-tax income to determine the interim provision for income taxes before discrete items. We update the AETR on a quarterly basis as the pre-tax income projections are revised and tax laws are enacted. The effective tax rate ("ETR") each period is impacted by a number of factors, including the relative mix of domestic and international earnings, adjustments to the valuation allowances and discrete items. The currently forecasted ETR may vary from the actual year-end due to the changes in these factors.

The Company's global ETR for the six months ended June 30, 2020 and 2019 was 16% and 7%, respectively, including discrete tax items. The current year increase in the ETR was primarily due to the combined effect of (i) the overall increase in pre-tax loss; (ii) the impact of a smaller gain on the Newhurst transaction in 2020 compared to gain on the Rookery transaction in 2019; (iii) a discrete tax expense in 2020 related to the reduction in the value of stock based compensation from grant date; and (iv) a discrete tax benefit adjustment in 2020 related to tax carryforwards.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

NOTE 9. ACCOUNTS RECEIVABLE SECURITIZATION

In December 2019, we entered into an agreement whereby we will regularly sell certain receivables on a revolving basis to third-party financial institutions (the “Purchasers”) up to an aggregate purchase limit of \$100 million (the “Receivables Purchase Agreement” or “RPA”). Transfers under the RPA meet the requirements to be accounted for as sales in accordance with the *Transfers and Servicing* topic of FASB Accounting Standards Codification. We receive a discounted purchase price for each receivable sold under the RPA and will continue to service and administer the subject receivables. The weighted-average discount rate paid on accounts receivable sold was 1.70% for the six months ended June 30, 2020.

Amounts recognized in connection with the RPA were as follows (in millions):

	Six Months Ended June 30,	
	2020	2019
Accounts receivable sold and derecognized	\$ 373	\$ —
Cash proceeds received ⁽¹⁾	\$ 372	\$ —
	June 30,	December 31,
	2020	2019
Pledged receivables ⁽²⁾	\$ 121	\$ 142

- (1) Represents proceeds from collections reinvested in revolving-period transfers, net of discount. This amount was included in Net cash provided by operating activities on our consolidated statement of cash flows.
- (2) Secures our obligations under the RPA and provides a guarantee for the prompt payment, not collection, of all payment obligations relating to the sold receivables.

We are not required to offer to sell any receivables and the Purchasers are not committed to purchase any receivable offered. The RPA has a scheduled termination date of December 5, 2020. Additionally, we may terminate the RPA at any time upon 30 days’ prior written notice. The agreement governing the RPA contains certain covenants and termination events. An occurrence of an event of default or the occurrence of a termination event could lead to the termination of the RPA. As of June 30, 2020, we were in compliance with the covenants, and no termination events had occurred. As of June 30, 2020, \$100 million, the maximum amount available under the RPA, was fully utilized.

NOTE 10. CREDIT LOSSES

We are exposed to credit losses primarily from our trade receivables from waste disposal services, sale of electricity and/or steam and the sale of ferrous and non-ferrous metals.

For our trade receivables, we assess each counterparty’s ability to pay for service by conducting a credit review. The credit review considers the counterparty’s established credit rating or our assessment of the counterparty’s creditworthiness based on our analysis of their financial statements when a credit rating is not available.

We monitor our ongoing credit exposure through active review of counterparty balances against contract terms and due dates. Our activities include timely account reconciliation, dispute resolution, payment confirmation and monitoring current economic conditions and future forecast of economic conditions, to the extent that they impact the credit loss determination and can be reasonably estimated.

Changes in the allowance for credit losses of our trade receivables for the six months ended June 30, 2020 were as follows (in millions):

Balance as of December 31, 2019	\$ 9
Provision for expected credit losses	1
Write-offs charged against the allowance	(4)
Balance as of June 30, 2020	<u>\$ 6</u>

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

The Company held the followings shareholder loans in connection with our equity method investments (in millions):

	June 30, 2020	December 31, 2019
Included in prepaid expenses and other assets	\$ 21	\$ 22
Included in other assets - long term	25	15
	<u>\$ 46</u>	<u>\$ 37</u>

We assess the collectability of the shareholder loans each reporting period through the impairment analysis procedures of our equity method investments which considers the loss history of the investments and the viability of the associated development projects. As of June 30, 2020 there were no credit losses recorded associated with our shareholder loans.

NOTE 11. FINANCIAL INSTRUMENTS

Fair Value Measurements

Authoritative guidance associated with fair value measurements provides a framework for measuring fair value and establishes a fair value hierarchy that prioritizes the inputs used to measure fair value, giving the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 inputs), then significant other observable inputs (Level 2 inputs) and the lowest priority to significant unobservable inputs (Level 3 inputs). The following methods and assumptions were used to estimate the fair value of each class of financial instruments:

- For marketable securities, the carrying value of these amounts is a reasonable estimate of their fair value.
- Fair values for long-term debt and project debt are determined using quoted market prices (Level 1).
- The fair value of our floating to fixed rate interest rate swaps is determined using discounted cash flow valuation methodologies that apply the appropriate forward floating rate curve observable in the market to the contractual terms of our swap agreements. The fair value of the interest rate swaps is adjusted to reflect counterparty risk of non-performance and is based on the counterparty's credit spread in the credit derivatives market.
- The fair values of our energy hedges were determined using the spread between our fixed price and the forward curve information available within the market.

The estimated fair value amounts have been determined using available market information and appropriate valuation methodologies. However, considerable judgment is required in interpreting market data to develop estimates of fair value. Accordingly, the estimates presented herein are not necessarily indicative of the amounts that we would realize in a current market exchange and are based on pertinent information available to us as of June 30, 2020. Such amounts have not been comprehensively revalued for purposes of these financial statements and current estimates of fair value may differ significantly from the amounts presented herein.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

The following table presents information about the fair value measurement of our assets and liabilities as of June 30, 2020 and December 31, 2019 (in millions):

Financial Instruments Recorded at Fair Value on a Recurring Basis:	Fair Value Measurement Level	June 30, 2020	December 31, 2019
Assets:			
Investments — mutual and bond funds ⁽¹⁾	1	\$ 2	\$ 2
Derivative asset — energy hedges ⁽²⁾	2	13	12
Total assets		\$ 15	\$ 14
Liabilities:			
Derivative liability — interest rate swaps ⁽³⁾	2	\$ 11	\$ 2
Total liabilities		\$ 11	\$ 2

(1) Included in Other assets in the condensed consolidated balance sheets.

(2) The short-term balance was included in Prepaid expenses and other current assets and the long-term balance was included in Other assets in the consolidated balance sheets.

(3) The short-term balance was included in Accrued expenses and other current liabilities and the long-term balance was included in Other liabilities in the condensed consolidated balance sheets.

The following financial instruments are recorded at their carrying amount (in millions):

Financial Instruments Recorded at Carrying Amount:	As of June 30, 2020		As of December 31, 2019	
	Carrying Amount	Estimated Fair Value	Carrying Amount	Estimated Fair Value
Liabilities:				
Long-term debt	\$ 2,405	\$ 2,414	\$ 2,383	\$ 2,459
Project debt	\$ 128	\$ 134	\$ 133	\$ 138

We are required to disclose the fair value of financial instruments for which it is practicable to estimate that value. The fair value of short-term financial instruments such as cash and cash equivalents, restricted cash, accounts receivables, prepaid expenses and other assets, accounts payable and accrued expenses approximates their carrying value on the condensed consolidated balance sheets due to their short-term nature.

In addition to the recurring fair value measurements, certain assets are measured at fair value on a non-recurring basis when an indication of impairment is identified. Long-lived assets, such as property and equipment and identifiable intangibles with finite useful lives, are periodically evaluated for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. For the purpose of impairment testing, we review the recoverable amount of individual assets or groups of assets at the lowest level of which there are there are identifiable cash flows, which is generally at the facility level. Assets are reviewed using factors including, but not limited to, our future operating plans and projected cash flows. The determination of whether impairment has occurred is based on the assets fair value as compared to the carrying value. Fair value is generally determined using an income approach, which requires discounting the estimated future cash flows associated with the asset. If the asset carrying amount exceeds its fair value, an impairment charge is recognized in the amount by which the carrying amount exceeds the fair value of the asset.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

NOTE 12. DERIVATIVE INSTRUMENTS**Energy Price Risk**

We have entered into a variety of contractual hedging arrangements, designated as cash flow hedges, in order to mitigate our exposure to energy market risk, and will continue to do so in the future. Our efforts in this regard involve only mitigation of price volatility for the energy we produce and do not involve taking positions (either long or short) on energy prices in excess of our physical generation. The amount of energy generation which we have hedged on a forward basis under agreements with various financial institutions as of June 30, 2020 is indicated in the following table (in millions):

Calendar Year	Hedged MWh
2020	1.7
2021	2.0
2022	0.2
Total	3.9

As of June 30, 2020, the fair value of the energy derivative asset was \$13 million. The change in fair value was recorded as a component of AOCI.

During the six months ended June 30, 2020, cash provided by and used in energy derivative settlements of \$27 million and zero, respectively, was included in net cash provided by operating activities on our condensed consolidated statement of cash flows.

During the six months ended June 30, 2019, cash provided by and used in energy derivative settlements of \$12 million and \$1 million, respectively, was included in net cash provided by operating activities on our condensed consolidated statement of cash flows.

Interest Rate Swaps

We may utilize derivative instruments to reduce our exposure to fluctuations in cash flows due to changes in variable interest rates paid on our direct borrowings under the senior secured revolving credit facility and the term loan of our subsidiary Covanta Energy (collectively referred to as the "Credit Facilities"). To achieve that objective, we entered into pay-fixed, receive-variable swap agreements on \$200 million notional amount of our variable rate debt under the Credit Facilities during 2019. The interest rate swaps are designated specifically to the Credit Facilities as a cash flow hedge and are recorded at fair value with changes in fair value recorded as a component of AOCI. For further information on our Credit Facilities see *Note 13. Consolidated Debt*.

As of June 30, 2020, the fair value of the interest rate swap derivative liability was \$11 million. The change in fair value was recorded as a component of AOCI.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

NOTE 13. CONSOLIDATED DEBT

Consolidated debt is as follows (in millions):

	<u>Average Rate⁽¹⁾</u>	<u>June 30, 2020</u>	<u>December 31, 2019</u>
LONG-TERM DEBT:			
Revolving credit facility	2.95%	\$ 202	\$ 183
Term loan, net	3.38%	379	384
Credit Facilities subtotal		581	567
Senior Notes, net of deferred financing costs		1,187	1,186
Tax-Exempt Bonds, net of deferred financing costs		540	539
China venture loan		9	—
Equipment financing arrangements		81	85
Finance Leases ⁽²⁾		7	6
Total long-term debt		<u>2,405</u>	<u>2,383</u>
Less: Current portion		(18)	(17)
Noncurrent long-term debt		<u>\$ 2,387</u>	<u>\$ 2,366</u>
PROJECT DEBT:			
Total project debt, net of deferred financing costs and unamortized debt premium		\$ 128	\$ 133
Less: Current portion		(9)	(8)
Noncurrent project debt		<u>\$ 119</u>	<u>\$ 125</u>
TOTAL CONSOLIDATED DEBT		\$ 2,533	\$ 2,516
Less: Current debt		(27)	(25)
TOTAL NONCURRENT CONSOLIDATED DEBT		<u>\$ 2,506</u>	<u>\$ 2,491</u>

(1) As of June 30, 2020 and December 31, 2019, we entered into interest rate swap agreements to swap the LIBOR portion of our floating interest rate to a fixed rate for our variable rate debt under the Credit Facilities. See *Note 12. Derivative Instruments* for further information.

(2) Excludes Union County WtE facility finance lease which is presented within project debt.

Our subsidiary, Covanta Energy, has a senior secured credit facility consisting of a revolving credit facility (the “Revolving Credit Facility”) and a term loan (the “Term Loan”). The nature and terms of our Credit Facilities, Senior Notes, Tax-Exempt Bonds, project debt and other long-term debt are described in detail in *Note 15. Consolidated Debt* in our 2019 Annual Report on Form 10-K.

Zhao County, China Venture Loan

In January 2020, in connection with our Zhao County agreement, we obtained local equity bridge financing in the amount of RMB 61 million (\$9 million). This financing is due to be repaid in January 2022 and is collateralized through a pledge of our equity in the project. We contributed the entire amount of the proceeds to the project in the form of a shareholder loan. See *Note 3. New Business and Asset Management* for further information.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Revolving Credit Facility

As of June 30, 2020, we had unutilized capacity under the Revolving Credit Facility as follows (in millions):

	Total Facility Commitment	Expiring	Direct Borrowings	Outstanding Letters of Credit	Unutilized Capacity
Revolving Credit Facility	\$ 900	2023	\$ 202	\$ 236	\$ 462

Credit Agreement Covenants

The loan documentation governing the Credit Facilities contains various affirmative and negative covenants, as well as financial maintenance covenants (financial ratios), that limit our ability to engage in certain types of transactions. We were in compliance with all of the affirmative and negative covenants under the Credit Facilities as of June 30, 2020.

NOTE 14. LEASES

The components of lease expense were as follows (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Finance lease:				
Amortization of assets, included in Depreciation and amortization expense	\$ 2	\$ 2	\$ 4	\$ 4
Interest on lease liabilities, included in Interest expense	1	1	2	2
Operating lease:				
Amortization of assets, included in Total operating expense	2	2	4	4
Interest on lease liabilities, included in Total operating expense	—	—	1	1
Total net lease cost	<u>\$ 5</u>	<u>\$ 5</u>	<u>\$ 11</u>	<u>\$ 11</u>

Supplemental balance sheet information related to leases was as follows (in millions, except lease term and discount rate):

	June 30, 2020	December 31, 2019
Operating leases:		
Operating lease ROU assets, included in Other assets	<u>\$ 46</u>	<u>\$ 46</u>
Current operating lease liabilities, included in Accrued expenses and other current liabilities	\$ 6	\$ 6
Noncurrent operating lease liabilities, included in Other liabilities	46	46
Total operating lease liabilities	<u>\$ 52</u>	<u>\$ 52</u>
Finance leases:		
Property and equipment, at cost	\$ 170	\$ 168
Accumulated amortization	(29)	(25)
Property and equipment, net	<u>\$ 141</u>	<u>\$ 143</u>
Current obligations of finance leases, included in Current portion of long-term debt	\$ 7	\$ 6
Finance leases, net of current obligations, included in Long-term debt	81	84
Total finance lease liabilities	<u>\$ 88</u>	<u>\$ 90</u>

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

Supplemental cash flow and other information related to leases was as follows (in millions):

	Six Months Ended June 30,	
	2020	2019
Cash paid for amounts included in the measurement of lease liabilities:		
Operating cash flows related to operating leases	\$ (4)	\$ (5)
Financing cash flows related to finance leases	\$ (3)	\$ (3)
Weighted average remaining lease term (in years):		
Operating leases	11.4	12.8
Finance leases	31.5	33.7
Weighted average discount rate:		
Operating leases	4.59%	4.66%
Finance leases	5.06%	5.06%

Maturities of lease liabilities were as follows (in millions):

	June 30, 2020	
	Operating Leases	Finance Leases
Remainder of 2020	\$ 5	\$ 5
2021	9	12
2022	8	12
2023	7	12
2024	6	11
2025 and thereafter	33	105
Total lease payments	68	157
Less: Amounts representing interest	(16)	(69)
Total lease obligations	\$ 52	\$ 88

As of June 30, 2020, we had no additional significant operating or finance leases that had not yet commenced.

NOTE 15. COMMITMENTS AND CONTINGENCIES

We and/or our subsidiaries are party to a number of claims, lawsuits and pending actions, most of which are routine and all of which are incidental to our business. We assess the likelihood of potential losses on an ongoing basis to determine whether losses are considered probable and reasonably estimable prior to recording an estimate of the outcome. If we can only estimate the range of a possible loss, an amount representing the low end of the range of possible outcomes is recorded. The final consequences of these proceedings are not presently determinable with certainty. As of June 30, 2020 and December 31, 2019, accruals for our loss contingencies recorded in Accrued expenses and other current liabilities in our condensed consolidated balance sheets were \$3 million and \$3 million, respectively.

Environmental Matters

Our operations are subject to environmental regulatory laws and environmental remediation laws. Although our operations are occasionally subject to proceedings and orders pertaining to emissions into the environment and other environmental violations, which may result in fines, penalties, damages or other sanctions, we believe that we are in substantial compliance with existing environmental laws and regulations.

We may be identified, along with other entities, as being among parties potentially responsible for contribution to costs associated with the correction and remediation of environmental conditions at disposal sites subject to federal and/or analogous state laws.

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

In certain instances, we may be exposed to joint and several liabilities for remedial action or damages. Our liability in connection with such environmental claims will depend on many factors, including our volumetric share of waste, the total cost of remediation, and the financial viability of other companies that also sent waste to a given site and, in the case of divested operations, the contractual arrangement with the purchaser of such operations.

The potential costs related to the matters described below and the possible impact on future operations are uncertain due in part to the complexity of governmental laws and regulations and their interpretations, the varying costs and effectiveness of cleanup technologies, the uncertain level of insurance or other types of recovery and the questionable level of our responsibility. Although the ultimate outcome and expense of any litigation, including environmental remediation, is uncertain, we believe that the following proceedings will not have a material adverse effect on our consolidated results of operations, financial position or cash flows.

Lower Passaic River Matter. In August 2004, the United States Environmental Protection Agency (the “EPA”) notified our subsidiary, Covanta Essex Company (“Essex”) that it was a potentially responsible party (“PRP”) for Superfund response actions in the Lower Passaic River Study Area (“LPRSA”), a 17 mile stretch of river in northern New Jersey. Essex’s LPRSA costs to date are not material to its financial position and results of operations; however, to date the EPA has not sought any LPRSA remedial costs or natural resource damages against PRPs. In March 2016, the EPA released the Record of Decision (“ROD”) for its Focused Feasibility Study of the lower 8 miles of the LPRSA; the EPA’s selected remedy includes capping/dredging of sediment, institutional controls and long-term monitoring. In June 2018, PRP Occidental Chemical Corporation (“OCC”) filed a federal Superfund lawsuit against 120 PRPs including Essex with respect to past and future response costs expended by OCC with respect to the LPRSA. The Essex facility started operating in 1990 and Essex does not believe there have been any releases to the LPRSA, but in any event believes any releases would have been de minimis considering the history of the LPRSA; however, it is not possible at this time to predict that outcome or to estimate the range of possible loss relating to Essex’s liability in the matter, including for LPRSA remedial costs and/or natural resource damages.

Other Commitments

Other commitments as of June 30, 2020 were as follows (in millions):

Letters of credit issued under the Revolving Credit Facility	\$	236
Letters of credit - other		38
Surety bonds		129
Total other commitments — net	\$	<u>403</u>

The letters of credit were issued to secure our performance under various contractual undertakings related to our domestic and international projects or to secure obligations under our insurance program. Each letter of credit relating to a project is required to be maintained in effect for the period specified in related project contracts, and generally may be drawn if it is not renewed prior to expiration of that period.

We believe that we will be able to fully perform under our contracts to which these existing letters of credit relate, and that it is unlikely that letters of credit would be drawn because of a default of our performance obligations. If any of these letters of credit were to be drawn by the beneficiary, the amount drawn would be immediately repayable by us to the issuing bank. If we do not immediately repay such amounts drawn under letters of credit issued under the Revolving Credit Facility, unreimbursed amounts would be treated under the Credit Facilities as either additional term loans or as revolving loans.

The surety bonds listed in the table above relate primarily to construction and performance obligations and support for other obligations, including closure requirements of various energy projects when such projects cease operating. Were these bonds to be drawn upon, we would have a contractual obligation to indemnify the surety company. The bonds do not have stated expiration dates. Rather, we are released from the bonds as the underlying performance is completed.

We have certain contingent obligations related to our Senior Notes and Tax-Exempt Bonds. Holders may require us to repurchase their Senior Notes and Tax-Exempt Bonds if a fundamental change occurs. For specific criteria related to the redemption features of the Senior Notes and Tax-Exempt Bonds, see *Note 13. Consolidated Debt* of this report and *Item 8. Financial Statements And Supplementary Data — Note 15. Consolidated Debt* of our 2019 Annual Report on Form 10-K.

We have issued or are party to guarantees and related contractual support obligations undertaken pursuant to agreements to construct and operate waste and energy facilities. For some projects, such performance guarantees include obligations to repay certain financial obligations if the project revenue is insufficient to do so, or to obtain or guarantee financing for a project. With respect

COVANTA HOLDING CORPORATION AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) - (Continued)

to our businesses, we have issued guarantees to municipal clients and other parties that our subsidiaries will perform in accordance with contractual terms, including, where required, the payment of damages or other obligations. Additionally, damages payable under such guarantees for our waste-to-energy facilities could expose us to recourse liability on project debt. If we must perform under one or more of such guarantees, our liability for damages upon contract termination would be reduced by funds held in trust and proceeds from sales of the facilities securing the project debt and is presently not estimable. Depending upon the circumstances giving rise to such damages, the contractual terms of the applicable contracts, and the contract counterparty's choice of remedy at the time a claim against a guarantee is made, the amounts owed pursuant to one or more of such guarantees could be greater than our then-available sources of funds. To date, we have not incurred material liabilities under such guarantees.

We have entered into certain guarantees of performance in connection with our recent divestiture activities. Under the terms of the arrangements, we guarantee performance should the guaranteed party fail to fulfill its obligations under the specified arrangements.

Item 2. *MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS ("MD&A")*

The following MD&A is intended to help the reader understand the results of operations and financial condition of Covanta for the three and six months ended June 30, 2020. The financial information as of June 30, 2020 should be read in conjunction with the financial statements for the year ended December 31, 2019 contained in our 2019 Annual Report on Form 10-K.

Factors Affecting Business Conditions and Financial Results

Impact of COVID-19 on the U.S. and the global economy

The COVID-19 pandemic has impacted, and is expected to continue to impact, our employees, our operations, our business and the economy. The extent of this impact in the future is highly uncertain. Although we have seen an increase in commercial activity in some areas of the country as they begin to "open up", it is not clear that this trend will continue, stabilize before it improves further, or reverse; the situation remains uncertain and dynamic. We cannot predict the potential, future impact of the COVID-19 pandemic, but it could materially and adversely affect our business, financial condition and results of operations in the future. For a full discussion of risks associated with COVID-19 see *Part II - Other Information - Item 1A. Risk Factors*.

While a limited number of our employees have contracted COVID-19, we have followed recommended protocols and have thus far not experienced material disruptions to our operations as result of workforce availability issues. Depending upon the rate, extent, and location of future COVID-19 infection, more widespread infection of our employees could cause significant increases to operating expense at specific facilities, or curtail operations at such facilities on a temporary basis.

Our WtE plants and material processing facilities provide a vital service to our municipal and commercial clients. As waste disposal facilities, they have been recognized as part of Critical Infrastructure by the Department of Homeland Security and as essential services by state and local governments. While we remain a primary waste outlet for numerous municipalities and commercial customers, the downturn in economic activity has affected patterns and volumes of waste generation. Residential waste represents the substantial majority of our contracted volumes, and while we experienced limited reduction in these volumes during the early stages of the pandemic, residential volumes have returned to, and in some areas exceeded, pre-pandemic levels. We also process commercial waste, including profiled waste, at many facilities, and volumes of these materials for disposal fell during the early stages of the pandemic, which required us to internalize more waste volumes from our transfer station network as well as access third party replacement waste volumes at a lower revenue basis per ton. Volumes of commercial waste generally have returned closer to pre-pandemic levels, and revenue per ton levels have returned as well. Three of our WtE facilities are currently permitted to accept Regulated Medical Waste ("RMW") and while we have received some COVID-19 material to date, we have seen reductions in other types of RMW and so overall volumes of RMW have not materially changed as a result of the pandemic.

In addition, while our operations have experienced only limited disruption to date, we have incurred, and expect to continue to incur, additional costs associated with instituting measures to ensure employee safety, access to contractors needed for construction and maintenance activities, and delays of previously scheduled projects that have been placed on hold or rescheduled to later in the year.

Most of the construction activity at our projects in the UK has continued during the pandemic, and we are working to mitigate any impacts. In England, construction activities are considered essential and so our Rookery and Newhurst sites, adhering to guidance set by Public Health England, have proceeded on schedule. The government in Scotland initially took a different approach,

and construction at the Earls Gate site was suspended or curtailed through early June, but has now resumed. We are uncertain, at this time, of the ultimate impact to these projects and other UK projects under development.

In light of the uncertainty around the macroeconomic impacts of COVID-19, we implemented a program of expense reduction intended to mitigate the financial impacts to our business, with an initial goal of reducing 2020 costs by \$15 to \$30 million. This program includes several elements, among which are:

- Eliminating all non-essential travel and reducing discretionary spend;
- Enacting a hiring freeze for new corporate employees;
- Lowering compensation through a 50% reduction in payment of CEO's base salary amount, a 25% reduction in payment of executive leadership base salary amounts, and a 20% reduction in cash compensation for all corporate support employees through a combination of wage reductions and furloughs. These measures remained in place through mid-July 2020;
- Lowering the cash portion of board of directors' fees by 60% during the same time period as management reductions and furloughs;
- Focusing growth investments for the remainder of 2020 primarily on UK projects and the start-up of our first Total Ash Processing System and remaining highly disciplined in making any additional discretionary investments; and
- Lowering the annualized dividend payout to \$0.32 per share.

During the second quarter these efforts resulted in cost savings of approximately \$10 million and we now expect a full year impact of \$15 to \$25 million.

As the COVID-19 pandemic is ongoing and the near term worldwide economic outlook remains uncertain, we cannot reasonably estimate the length or severity of this pandemic, or the extent to which the disruption may materially impact the Company's consolidated financial statements.

Commodity Markets - Our quarterly results within an operating year may be affected substantially by movements in commodity markets relevant to our business, principally those relating to energy and metals. As noted above, the COVID-19 pandemic has had a dampening effect on prices in these markets. Such factors have caused, and may continue to cause, the portion of our energy revenue exposed to the market and/or our recycled metals revenue to fluctuate to an extent that may materially affect our quarterly and annual financial results. The commodity markets into which we sell energy and metals are currently at levels significantly below prior periods.

Energy Markets - A portion of our energy revenue is sold under short term arrangements at prevailing market prices. While we have a disciplined program to hedge our exposure to market price volatility (see *Item 1. Financial Statements* - Note 12. Derivative Instruments), underlying market prices are affected by a variety of factors not within our control such as weather, natural gas supply/demand conditions (including seasonal storage), regional electricity transmission and system conditions, and global demand. As a result of our hedging program, we have only a limited amount of exposure to market price volatility in the near term, including the balance of 2020.

Metals Markets - We sell recycled ferrous and non-ferrous metals under short term arrangements based on prevailing rates that are affected by regional and global demand for specific types of recycled metals. Demand for ferrous metals is not always consistent with demand for non-ferrous metals, or among different types of non-ferrous metals. In addition, recycled metal prices for both ferrous and non-ferrous materials are impacted directly and indirectly by tariff and trade actions both by the US as well as foreign countries. Recent efforts by the US government to place tariffs on imported steel and aluminum have increased domestic demand for our products. The ultimate impact of these tariffs is unclear as retaliation to these tariffs by foreign countries could reduce or eliminate any benefits to us.

The following are various published pricing indices relating to the U.S. economic drivers that are relevant to those aspects of our business where we have market exposure; however, there is not an exact correlation between our results and changes in these metrics.

	June 30, 2020	June 30, 2019
Consumer Price Index ⁽¹⁾	0.6%	1.6%
PJM Pricing (Electricity) ⁽²⁾	\$ 15.69	\$ 21.76
NE ISO Pricing (Electricity) ⁽³⁾	\$ 18.23	\$ 24.42
Henry Hub Pricing (Natural Gas) ⁽⁴⁾	\$ 1.71	\$ 2.56
#1 HMS Pricing (Ferrous Metals) ⁽⁵⁾	\$ 208	\$ 271
Old Sheet & Old Cast (Non-Ferrous Metals) ⁽⁶⁾	\$ 0.37	\$ 0.45

- (1) Represents the year-over-year percent change in the Headline CPI number. The Consumer Price Index (CPI-U) data is provided by the U.S. Department of Labor Bureau of Labor Statistics.
- (2) Average price per MWh for Q2 2020 and Q2 2019. Pricing for the PJM PSEG Zone is provided by the PJM ISO.
- (3) Average price per MWh for Q2 2020 and Q2 2019. Pricing for the Mass Hub Zone is provided by the NE ISO.
- (4) Average price per MMBtu for Q2 2020 and Q2 2019. The Henry Hub Pricing data is provided by the Natural Gas Weekly Update, U.S. Energy Information Administration.
- (5) Average price per gross ton for Q2 2020 and Q2 2019. The #1 Heavy Melt Steel ("HMS") composite index (\$/gross ton) price as published by American Metal Market.
- (6) Average price per pound for Q2 2020 and Q2 2019. Calculated using the high price of Old Cast Aluminum Scrap (\$/lb.) as published by American Metal Market.

Seasonal - Our quarterly operating results within the same fiscal year typically differ substantially due to seasonal factors, primarily as a result of the timing of scheduled plant maintenance. We conduct scheduled maintenance periodically each year, which requires that individual boiler and/or turbine units temporarily cease operations. During these scheduled maintenance periods, we incur material repair and maintenance expense and receive less revenue until the boiler and/or turbine units resume operations. This scheduled maintenance usually occurs during periods of off-peak electric demand and/or lower waste volumes, which are our first, second and fourth fiscal quarters. The scheduled maintenance period in the first half of the year (primarily first quarter and early second quarter) is typically the most extensive, while the third quarter scheduled maintenance period is the least extensive. Given these factors, we normally experience our lowest operating income from our projects during the first half of each year.

During the first half of 2020, we experienced some modest delays in our normal scheduled maintenance activities due to COVID-19 related quarantines, travel restrictions and social distancing requirements. As a result, we expect our scheduled maintenance will be more heavily weighted towards the second half of the year than it has been historically.

Our operating results may also be affected by seasonal weather extremes during summers and winters. Increased demand for electricity and natural gas during unusually hot or cold periods may affect certain operating expenses and may trigger material price increases for a portion of the electricity and steam we sell.

Brexit Implications - In March, 2017, the UK notified the EU of its intention to leave the EU (so-called "Brexit"), and on January 31, 2020, the UK formally severed political ties as part of the EU. The UK's economic ties to the EU and other countries (including the US) are expected to remain in place pending renegotiated trade agreements to be settled during a "standstill" transition period through December 31, 2020. The COVID-19 pandemic has created additional challenges in finalizing these trade agreements, and it is unclear at this time whether the parties will agree to extend the time period for negotiations. We have studied and consulted with local experts regarding the potential market and economic impacts of Brexit on the UK, with a particular focus on potential impacts to the waste and energy markets as they might affect our plans to expand our business with GIG. The government of the UK has shown no indication of an intention to rollback or reverse its policy support for environmental protection generally, the renewables market, or for WtE specifically. As such, while Brexit may have some impact on construction costs for new UK WtE projects, we do not believe Brexit will materially impact the key market and economic drivers for investment in the combined pipeline of WtE projects we are pursuing jointly with GIG.

Quarter Updates

Capital Allocation

Our key capital allocation activities for the three months ended June 30, 2020 included the following:

- \$9 million for growth investments, including \$8 million in our UK business development projects.

New Business Development and Asset Management

- In February 2020, we reached financial close on the Newhurst project, a 350,000 metric ton-per-year, 42 megawatt WtE facility under construction in Leicestershire, England. The facility is expected to commence commercial operations in 2023.

For additional information on the above transactions see *Item 1. Financial Statements — Note 3. New Business and Asset Management*.

Contract Extensions

During the second quarter of 2020, we entered into an amended and extended service agreement with Marion County through 2021.

CONSOLIDATED RESULTS OF OPERATIONS

The following general discussions should be read in conjunction with the condensed consolidated financial statements, the notes to the condensed consolidated financial statements and other financial information appearing and referred to elsewhere in this report. We have one reportable segment which comprises our entire operating business.

The comparability of the information provided below with respect to our revenue, expense and certain other items for the periods presented was affected by several factors. As outlined in *Item 1. Financial Statements — Note 1. Organization and Basis of Presentation* and *Note 3. New Business and Asset Management* in this quarterly report on Form 10-Q and in *Item 8. Financial Statements And Supplementary Data — Note 1. Organization and Summary of Significant Accounting Policies* and *Note 3. New Business and Asset Management* of our 2019 Annual Report on Form 10-K, our business development initiatives, contract transitions, and acquisitions resulted in various transactions that are reflected in comparative revenue and expense. These factors must be taken into account in developing meaningful comparisons between the periods compared below.

The following terms used within the Results of Operations discussion are defined as follows:

- “Organic growth”: reflects the performance of the business on a comparable period-over-period basis, excluding the impacts of transactions and contract transitions.
- “Transactions”: includes the impacts of acquisitions, divestitures, and the addition or loss of operating contracts.
- Contract “transitions”: includes the impact of the expiration of: (a) long-term major waste and service contracts, most typically representing the transition to a new contract structure, and (b) long-term energy contracts.

Certain amounts in our Consolidated Results of Operations may not total due to rounding.

CONSOLIDATED RESULTS OF OPERATIONS — OPERATING INCOME

	Three Months Ended June 30,		Variance Increase (Decrease)
	2020	2019	2020 vs 2019
	(In millions)		
OPERATING REVENUE:			
Waste and service revenue	\$ 344	\$ 359	\$ (15)
Energy revenue	78	72	6
Recycled metals revenue	20	21	(1)
Other operating revenue	12	15	(3)
Total operating revenue	454	467	(13)
OPERATING EXPENSE:			
Plant operating expense	340	354	(14)
Other operating expense, net	14	16	(2)
General and administrative expense	26	31	(5)
Depreciation and amortization expense	56	55	1
Impairment charges	—	1	(1)
Total operating expense	436	457	(21)
Operating income	\$ 18	\$ 10	\$ 8

	Six Months Ended June 30,		Variance Increase (Decrease)
	2020	2019	2020 vs 2019
	(In millions)		
OPERATING REVENUE:			
Waste and service revenue	\$ 690	\$ 686	\$ 4
Energy revenue	171	166	5
Recycled metals revenue	37	42	(5)
Other operating revenue	24	26	(2)
Total operating revenue	922	920	2
OPERATING EXPENSE:			
Plant operating expense	701	713	(12)
Other operating expense, net	26	33	(7)
General and administrative expense	56	61	(5)
Depreciation and amortization expense	114	110	4
Impairment charges	19	1	18
Total operating expense	916	918	(2)
Operating income	\$ 6	\$ 2	\$ 4

Operating Revenue

Waste and Service Revenue

<i>In millions:</i>	Three Months Ended June 30,		Six Months Ended June 30,		Variance Increase (Decrease)	
	2020	2019	2020	2019	Three Months	Six Months
	WtE tip fees	\$ 158	\$ 162	\$ 319	\$ 310	\$ (4)
WtE service fees	114	116	232	233	(2)	(1)
Environmental services	31	37	65	69	(6)	(4)
Municipal services	60	62	114	110	(2)	4
Other revenue	10	10	18	16	—	2
Intercompany	(28)	(28)	(57)	(54)	—	(3)
Total waste and service revenue	\$ 344	\$ 359	\$ 690	\$ 686	\$ (15)	\$ 4

Certain amounts may not total due to rounding.

<i>WtE facilities - Tons (1)</i> <i>(in millions):</i>	Three Months Ended June 30,		Six Months Ended June 30,		Variance Increase (Decrease)	
	2020	2019	2020	2019	Three Months	Six Months
	Tip fee - contracted	2.2	2.3	4.2	4.3	(0.1)
Tip fee - uncontracted	0.5	0.4	1.1	1.0	0.1	0.1
Service fee	2.5	2.7	5.2	5.3	(0.2)	(0.1)
Total tons	5.2	5.4	10.5	10.6	(0.2)	(0.1)

(1) Includes solid tons only.

Certain amounts may not total due to rounding.

For the three month comparative period, waste and service revenue decreased by \$15 million, primarily resulting from the impact of the COVID-19 pandemic on economic activity and waste markets.

For the six month comparative period, waste and service revenue increased by \$4 million, primarily driven by \$7 million of organic growth and \$3 million due to service contract transitions, partially offset by divestitures. Within organic growth, WtE tip fee revenue increased by \$11 million, with \$6 million due to higher average revenue per ton and increased volume processed, partially offset by lower environmental services of \$4 million.

Energy Revenue

	Three Months Ended June 30,				Variance Increase (Decrease)	
	2020		2019		2020 vs 2019	
	Revenue ⁽²⁾	Volume ⁽²⁾⁽³⁾	Revenue ⁽²⁾	Volume ⁽²⁾⁽³⁾	Revenue	Volume
Energy Sales	\$ 57		\$ 58		\$ (1)	
Capacity	10		12		(2)	
Other Revenue ⁽¹⁾	11		2		9	
Total energy	\$ 78	1.5	\$ 72	1.6	\$ 6	—

	Six Months Ended June 30,				Variance Increase (Decrease)	
	2020		2019		2020 vs 2019	
	Revenue (2)	Volume (2) (3)	Revenue (2)	Volume (2) (3)	Revenue	Volume
Energy Sales	\$ 134		\$ 139		\$ (5)	
Capacity	20		25		(5)	
Other Revenue ⁽¹⁾	17		2		15	
Total energy	\$ 171	3.2	\$ 166	3.1	\$ 5	—

(1) Primarily components of wholesale load serving revenue not included in Energy sales line, such as transmission and ancillaries.

(2) Covanta share only. Represents the sale of electricity and steam based upon output delivered and capacity provided.

(3) Steam converted to MWh at an assumed average rate of 11 klbs of steam / MWh.

Certain amounts may not total due to rounding.

For the three month comparative period, energy revenue increased by \$6 million, driven by new retail load serving revenue of \$7 million, partially offset by lower market prices of \$2 million.

For the six month comparative period, energy revenue increased by \$5 million, driven by new retail load serving revenue of \$11 million and bundled REC revenue of \$4 million, partially offset by lower market prices of \$10 million.

Recycled Metals Revenue

	Three Months Ended June 30,					
	Metal Revenue (in millions)		Tons Recovered (in thousands)		Tons Sold (in thousands) ⁽¹⁾	
	2020	2019	2020	2019	2020	2019
Ferrous Metal	\$ 10	\$ 13	116	111	99	95
Non-Ferrous Metal	9	8	12	12	8	7
Total	\$ 20	\$ 21				

	Six Months Ended June 30,					
	Metal Revenue (in millions)		Tons Recovered (in thousands)		Tons Sold (in thousands) ⁽¹⁾	
	2020	2019	2020	2019	2020	2019
Ferrous Metal	\$ 21	\$ 24	219	207	190	179
Non-Ferrous Metal	16	18	24	25	16	15
Total	\$ 37	\$ 42				

(1) Represents the portion of total volume from Covanta's share of revenue under applicable client revenue sharing arrangements. Certain amounts may not total due to rounding.

For the three month comparative period, recycled metals revenue decreased by \$1 million, driven primarily by lower pricing for ferrous and non-ferrous material of \$4 million, offset by \$2 million from increased non-ferrous volume.

For the six month comparative period, recycled metals revenue decreased by \$5 million, driven primarily by lower pricing for ferrous and non-ferrous material of \$7 million.

Other Operating Revenue

The decrease of \$3 million and \$2 million in other operating revenue for the three and six month comparative period, respectively, was primarily driven by lower construction revenue.

Operating Expense

Plant Operating Expense

<i>In millions:</i>	Three Months Ended June 30,		Six Months Ended June 30,		Variance Increase (Decrease)	
	2020	2019	2020	2019	Three Months	Six Months
Plant maintenance ⁽¹⁾	\$ 81	\$ 83	\$ 172	\$ 178	\$ (2)	\$ (6)
All other	259	272	528	535	(13)	(7)
Plant operating expense	\$ 340	\$ 354	\$ 701	\$ 713	\$ (14)	\$ (12)

(1) Plant maintenance costs include our internal maintenance team and non-facility employee costs for facility scheduled and unscheduled maintenance and repair expense. Certain amounts may not total due to rounding.

Plant operating expenses decreased by \$14 million for the three month comparable period, driven by cost reductions in response to COVID-19 of \$3 million in wages and benefits and \$2 million in travel and entertainment, as well as a \$4 million decrease in hauling and disposal costs due to lower CES volumes. The remainder of the decrease was primarily a result of divestitures.

Plant operating expenses decreased by \$12 million for the six month comparable period, primarily due to lower expenses of \$12 million as a result of divestitures.

Other Operating Expense

Other operating expenses decreased by \$2 million for the three month comparable period, primarily due to lower construction expense.

Other operating expenses decreased by \$7 million for the six month comparable period, primarily due to lower construction expense and due to 2019 closure costs related to our Warren facility which was shut down in March 2019.

General and Administrative Expense

General and administrative expenses decreased by \$5 million for three month comparative period primarily due to a decrease in compensation and outside consulting as part of cost reductions in response to COVID-19.

General and administrative expenses decreased by \$5 million for the six month comparative period primarily due to a decrease in compensation.

Impairment Charges

For the six months ended June 30, 2020, we recorded a non-cash impairment of \$16 million, net of tax benefit of \$3 million, which represents the carrying amount of our CES reporting unit in excess of its estimated fair value as of the interim goodwill impairment testing date of June 30, 2020.

CONSOLIDATED RESULTS OF OPERATIONS — NON-OPERATING INCOME ITEMS
Three and Six Months Ended June 30, 2020 and 2019
Other (Expense) Income:

	Three Months Ended June 30,		Six Months Ended June 30,		Variance Increase (Decrease)	
	2020	2019	2020	2019	Three Months	Six Months
	(In millions)					
Interest expense	\$ (34)	\$ (36)	\$ (68)	\$ (72)	\$ 2	\$ 4
Net (loss) gain on sale of business and investments	—	(2)	9	48	2	(39)
Other (expense) income, net	(1)	1	(2)	2	(2)	(4)
Total expense	<u>\$ (35)</u>	<u>\$ (37)</u>	<u>\$ (61)</u>	<u>\$ (22)</u>	<u>\$ 2</u>	<u>\$ (39)</u>

During the six months ended June 30, 2020, we recorded a \$9 million gain in connection with the financial close of our Newhurst development project. For additional information see *Item 1. Financial Statements — Note 3. New Business and Asset Management*.

During the six months ended June 30, 2019, we recorded a \$57 million gain related to the Rookery South Energy Recovery Facility development project and a \$12 million loss related to the divestiture of our Springfield and Pittsfield WtE facilities.

Income Tax Benefit:

	Three Months Ended June 30,		Six Months Ended June 30,		Variance Increase (Decrease)	
	2020	2019	2020	2019	Three Months	Six Months
	(In millions, except percentages)					
Income tax benefit	\$ 4	\$ 3	\$ 9	\$ 1	\$ 1	\$ 8
Effective income tax rate	23%	13%	16%	7%	N/A	N/A

The difference between the effective tax rates for the three and six months ended June 30, 2020 and 2019, respectively, was primarily due to the combined effect of (i) the overall increase in pre-tax loss; (ii) the impact of a smaller gain on the Newhurst transaction in 2020 compared to gain on the Rookery transaction in 2019; and (iii) a discrete tax expense in 2020 related to the reduction in the value of stock based compensation from grant date; and (iv) a discrete tax benefit adjustment in 2020 related to tax carryforwards. For additional information see *Item 1. Financial Statements — Note 8. Income Taxes*.

CONSOLIDATED BALANCE SHEETS — GOODWILL

The goodwill recorded for our CES reporting unit totaled \$46 million as of December 31, 2019, and resulted from previously acquired materials processing facilities that are specially designed to process, treat, recycle, and dispose of solid and liquid wastes, which includes waste from the commercial sector. We performed the required annual impairment review of our recorded goodwill as of October 1, 2019. Based on the results of the test performed, we determined that the estimated fair value of the CES reporting unit exceeded the carrying value by 5%; therefore, we did not record a goodwill impairment charge for the year ended December 31, 2019.

Due to the marginal outcome of our review of goodwill recorded for our CES reporting unit as of October 1, 2019, we continued to monitor the CES reporting unit for impairment through the end of the first quarter of 2020. We considered the economic impacts of the novel coronavirus ("COVID-19") pandemic and the decline in waste volumes from the commercial and industrial sectors to be a triggering event and reviewed the goodwill held at the CES reporting unit. We performed an interim impairment test via a quantitative valuation as of March 31, 2020. As a result, in the first quarter of 2020, we recorded an impairment of \$16 million, net of tax benefit of \$3 million, which represents the carrying amount of our CES reporting unit in excess of its estimated fair value as of the testing date.

For our CES reporting unit, we determined an estimate of the fair value of this reporting unit by combining both the income and market approaches. The market approach was based on current trading multiples of EBITDA for companies operating in businesses similar to our CES reporting unit. In performing the test under the income approach, we utilized a discount rate of 12% and a long-term terminal growth rate of 2.5% beyond our planning period. The assumptions used in evaluating goodwill for impairment are subject to change and are tracked against historical performance.

While we believe the assumptions used were reasonable and commensurate with the views of a market participant, as we continue to monitor the CES reporting unit for impairment through the end of 2020, changes in key assumptions, including increasing the discount rate, lowering forecasts for revenue, operating margin or lowering the long-term growth rate for our CES reporting unit, could result in further impairments.

We did not determine there to be a triggering event for our North America WtE reporting unit and concluded that the fair value of this reporting unit was not likely to be lower than the carrying value as of the interim testing date.

For additional information please see *Item 1. Financial Statements - Note 1. Organization and Summary of Significant Accounting Policies — Goodwill* and *Item 8. Financial Statements And Supplementary Data — Note 1. Organization and Summary of Significant Accounting Policies — Goodwill* of our 2019 Annual Report on Form 10-K.

Supplementary Financial Information — Adjusted EBITDA (Non-GAAP Discussion)

To supplement our results prepared in accordance with GAAP, we use the measure of adjusted earnings before interest taxes depreciation and amortization ("Adjusted EBITDA"), which is a non-GAAP financial measure as defined by the SEC. This non-GAAP financial measure is described below, and is not intended as a substitute for and should not be considered in isolation from measures of financial performance prepared in accordance with GAAP. In addition, our use of non-GAAP financial measures may be different from non-GAAP financial measures used by other companies, limiting their usefulness for comparison purposes. The presentation of Adjusted EBITDA is intended to enhance the usefulness of our financial information by providing a measure which management internally uses to assess and evaluate the overall performance of our business and those of possible acquisition and divestiture candidates, and highlight trends in the overall business.

We use Adjusted EBITDA to provide additional ways of viewing aspects of operations that, when viewed with the GAAP results provide a more complete understanding of our core business. As we define it, Adjusted EBITDA represents earnings before interest, taxes, depreciation and amortization, as adjusted for additional items subtracted from or added to net income including the effects of impairment losses, gains or losses on sales, dispositions or retirements of assets, adjustments to reflect the Adjusted EBITDA from our unconsolidated investments, adjustments to exclude significant unusual or non-recurring items that are not directly related to our operating performance plus adjustments to capital type expenses for our service fee facilities in line with our credit agreements. We adjust for these items in our Adjusted EBITDA as our management believes that these items would distort their ability to efficiently view and assess our core operating trends. As larger parts of our business are conducted through unconsolidated investments, we adjust EBITDA for our proportionate share of the entity's depreciation and amortization, interest expense, tax expense and other adjustments to exclude significant unusual or non-recurring items that are not directly related to the entity's operating performance, in order to improve comparability to the Adjusted EBITDA of our wholly owned entities. We do not have control, nor have any legal claim to the portion of our unconsolidated investees' revenues and expenses allocable to our joint venture partners. As we do not control, but do exercise significant influence, we account for these unconsolidated investments in accordance with the equity method of accounting. Net income (losses) from these investments are reflected within our consolidated statements of operations in Equity in net income from unconsolidated investments.

Adjusted EBITDA should not be considered as an alternative to net income or cash flow provided by operating activities as indicators of our performance or liquidity or any other measures of performance or liquidity derived in accordance with GAAP.

In order to provide a meaningful basis for comparison, we are providing information with respect to our Adjusted EBITDA for the three and six months ended June 30, 2020 and 2019, respectively, reconciled for each such period to net (loss) income and cash flow provided by operating activities, which are believed to be the most directly comparable measures under GAAP. The following is a reconciliation of Net loss to Adjusted EBITDA (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
	(Unaudited)			
Net loss	\$ (13)	\$ (21)	\$ (45)	\$ (16)
Depreciation and amortization expense	56	55	114	110
Interest expense	34	36	68	72
Income tax benefit	(4)	(3)	(9)	(1)
Impairment charges ^(a)	—	1	19	1
Net loss (gain) on sale of businesses and investments ^(b)	—	2	(9)	(48)
Loss on asset sales	2	1	2	2
Accretion expense	—	—	1	1
Business development and transaction costs	—	1	—	1
Severance and reorganization costs ^(c)	1	1	1	8
Stock-based compensation expense	6	7	14	15
Adjustments to reflect Adjusted EBITDA from unconsolidated investments	6	6	12	12
Capital type expenditures at client owned facilities ^(d)	5	7	19	20
Other ^(e)	3	1	6	1
Adjusted EBITDA	\$ 96	\$ 94	\$ 193	\$ 178

- (a) During the six months ended June 30, 2020, we recorded a \$19 million non-cash impairment charge related to our CES reporting unit. For additional information see *Item 1. Financial Statements —Note 3. New Business and Asset Management*.
- (b) During the six months ended June 30, 2020, we recorded a \$9 million gain related to the Newhurst Energy Recovery Facility development project. For additional information see *Item 1. Financial Statements —Note 3. New Business and Asset Management*.
- During the six months ended June 30, 2019, we recorded a \$57 million gain related to the Rookery South Energy Recovery Facility development project and a \$12 million loss related to the divestiture of our Springfield and Pittsfield WtE facilities.
- (c) During the six months ended June 30, 2019, we recorded \$8 million of costs related to our ongoing asset rationalization and portfolio optimization efforts, early retirement program, and certain organizational restructuring activities
- (d) Adjustment for capital equipment related expenditures at our service fee operated facilities which are capitalized at facilities that we own.
- (e) Includes certain other items that are added back under the definition of Adjusted EBITDA in Covanta Energy, LLC's credit agreement.

The following is a reconciliation of cash flow provided by operating activities to Adjusted EBITDA (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Net cash provided by operating activities	\$ 94	\$ 50	\$ 155	\$ 87
Capital type expenditures at client owned facilities ^(a)	5	7	19	20
Cash paid for interest	9	12	48	59
Cash paid for taxes, net	—	3	1	4
Equity in net income from unconsolidated investments	—	3	1	3
Adjustments to reflect Adjusted EBITDA from unconsolidated investments	6	6	12	12
Dividends from unconsolidated investments	(3)	(5)	(3)	(5)
Adjustment for working capital and other	(15)	18	(40)	(2)
Adjusted EBITDA	\$ 96	\$ 94	\$ 193	\$ 178

(a) See *Adjusted EBITDA - Note (d)*.

For additional discussion related to management's use of non-GAAP measures, see *Liquidity and Capital Resources — Supplementary Financial Information — Free Cash Flow (Non-GAAP Discussion)* below.

LIQUIDITY AND CAPITAL RESOURCES

Our principal sources of liquidity are our unrestricted cash and cash equivalents, cash flow generated from our ongoing operations, and unutilized capacity under our Revolving Credit Facility, which we believe will allow us to meet our liquidity needs. Our business is capital intensive and our ability to successfully implement our strategy is, in part, dependent on the continued availability of capital on desirable terms. For additional information regarding our credit facilities and other debt, see *Item 1. Financial Statements - Note 13. Consolidated Debt*.

We expect to utilize a combination of cash flows from operations, borrowings under our Revolving Credit Facility, and other financing sources, as necessary, to fund growth investments in our business.

In 2020, we expect to generate net cash from operating activities which alone may not meet all of our cash requirements including funding capital expenditures to maintain our existing assets and paying our ongoing dividends to shareholders. We would utilize our Revolving Credit Facility to cover any shortfall. For a full discussion of the factors impacting our 2020 business outlook, see *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations - Business Outlook* of our 2019 Annual Report on Form 10-K.

We generally intend to refinance our debt instruments prior to maturity with like-kind financing in the bank and/or debt capital markets in order to maintain a capital structure comprised primarily of long-term debt, which we believe appropriately matches the long-term nature of our assets and contracts.

The loan documentation governing the Credit Facilities contains various affirmative and negative covenants, as well as financial maintenance covenants (financial ratios), that limit our ability to engage in certain types of transactions. We do not anticipate our existing debt covenants to restrict our ability to meet future liquidity needs. For additional information regarding the covenants under our Credit Facilities, see *Item 8. Financial Statements and Supplementary Data — Note 15. Consolidated Debt* of our 2019 Annual Report on Form 10-K.

Our primary future cash requirements will be to fund capital expenditures to maintain our existing businesses, service our debt, invest in the growth of our business, and return capital to our shareholders. We believe that our liquidity position and ongoing cash flow from operations will be sufficient to finance these requirements.

Recent Financing Activities

In January 2020, in connection with our Zhao County agreement, we received proceeds of RMB 61 million (\$9 million) through a loan agreement with a third party. We subsequently contributed the entire amount of the loan proceeds to the equity investment entity which owns the project in the form of a shareholder loan which is convertible to equity. See *Item 1. Financial Statements — Note 3. New Business and Asset Management* for further information.

Other Factors Affecting Liquidity

As of June 30, 2020, we held unrestricted cash balances of \$39 million, of which \$27 million was held by international subsidiaries and not generally available for near-term liquidity in our domestic operations. In addition, as of June 30, 2020, we held restricted cash balances of \$18 million. Restricted funds held in trust are generally amounts received and held by third-party trustees relating to certain projects we own. We generally do not control these accounts and these funds may be used only for specified purposes.

As of June 30, 2020, we had unutilized capacity under our Revolving Credit Facility of \$462 million and were in compliance with all of the covenants under our Credit Facilities. For additional information regarding the Credit Facilities, see *Item 1. Financial Statements — Note 13. Consolidated Debt*.

During the six months ended June 30, 2020, dividends declared to stockholders were \$11 million or \$0.08 per share. Such amounts were paid on July 10, 2020. Although not anticipated in the near term, we may repurchase outstanding shares from time to time, the amount and timing of future repurchases may vary depending on market conditions and the level of operating, financing and other investing activities. As of June 30, 2020, the amount remaining under our currently authorized share repurchase program was \$66 million.

Except as discussed in *Item 1. Financial Statements — Note 13. Consolidated Debt*, our projected contractual obligations remain consistent with amounts disclosed in our 2019 Annual Report on Form 10-K.

Impact of COVID-19 on our Liquidity

Although substantial uncertainties remain regarding the magnitude and duration of impact of the economic impact of the COVID-19 pandemic, as well as its potential impact on the waste markets in which we operate, Covanta's liquidity position has not been materially adversely impacted to date. Our WtE facilities are operating without material disruption and cash receipts to date remain generally consistent with past history. We continue to have access to over \$400 million of unutilized capacity under our Revolving Credit Facility and are not currently aware of any impediments to drawing that capacity when and as needed.

We do not face any significant debt maturities until 2023 when our Credit Facilities mature. The majority of our capital structure (approximately 80%) is either fixed rate or swapped to fixed. Our floating exposures are LIBOR based and will fluctuate with LIBOR and current LIBOR rates are lower than those prevailing at the same time last year.

Further, we believe that we have significant covenant flexibility under the maintenance covenants of our Credit Facilities and expect to remain in full compliance with these covenants.

Due primarily to the uncertainty surrounding the COVID-19 pandemic, we announced that our Board of Directors lowered the annualized dividend payout to \$0.32 per share beginning with the dividend declared in the second quarter of 2020. This represents an approximately two-thirds reduction and results in increased cash retention for other uses totaling \$90 million on an annual basis. We believe this adjustment results in a more balanced capital allocation policy that continues to provide attractive returns to shareholders, while preserving liquidity in the near-term and accelerating balance sheet improvement over time.

For a full discussion of risks associated with COVID-19 see *Part II - Other Information - Item 1A. Risk Factors*.

Sources and Uses of Cash Flow for the Six Months Ended June 30, 2020 and 2019

Net cash provided by operating activities for the six months ended June 30, 2020 was \$155 million, an increase of \$68 million from the same period in the prior year due to increased operating income, excluding the impairment charges as discussed above, and net cash inflow from working capital.

Net cash used in investing activities for the six months ended June 30, 2020 was \$94 million, an increase of \$20 million from the prior year period. The increase in net investing outflow was primarily due to decreased proceeds from divestiture activities and increased spending in UK development projects in the current year as compared to the same period in 2019, offset by lower maintenance capital spending in the first half of 2020 due to COVID-19 related outage deferrals.

Net cash used in financing activities for the six months ended June 30, 2020 was \$66 million, as compared to \$14 million provided by financing activities in the prior period. The decrease in cash provided was primarily related to the decrease in our net borrowings on the revolver due to (i) cash flow benefits from favorable working capital, (ii) reduced cash operating expense in the current year due in part to cost mitigation actions and (iii) lower maintenance capital spending in the first half of 2020 due to COVID-19 related outage deferrals.

Supplemental Information on Unconsolidated Non-Recourse Project Debt

Below is a summary of our proportion of gross non-recourse project debt held by unconsolidated equity investments as of June 30, 2020 (in millions):

	Total Project Debt	Percentage Ownership	Proportionate Unconsolidated Project Debt	Project Stage
Dublin WtE (Ireland) ⁽¹⁾	\$ 434	50%	\$ 217	Operational
Earls Gate (UK) ⁽²⁾	49	25%	12	Under construction
Rookery (UK) ⁽³⁾	145	40%	58	Under construction
Zhao County WtE (China) ⁽⁴⁾	—	26%	—	Under construction
Newhurst (UK) ⁽⁵⁾	59	25%	15	Under construction
Total	<u>\$ 687</u>		<u>\$ 302</u>	

- (1) We have a 50% indirect ownership of Dublin WtE, through our 50/50 joint venture with GIG, Covanta Europe Assets Ltd.
- (2) We have a 25% indirect ownership of Earls Gate, through our 50/50 joint venture with GIG, Covanta Green Jersey Assets Ltd., which owns 50% of Earls Gate. The total estimated project cost is £210 million (\$277 million); £147 million (\$194 million) is financed through non-recourse project-based debt.
- (3) We have a 40% indirect ownership of Rookery through our 50/50 joint venture with GIG, Covanta Green UK Ltd. The total estimated project cost is £457 million (\$603 million); £310 million (\$409 million) is financed through non-recourse project-based debt.
- (4) We have 26% interest in Zhao County through our venture with Longking Energy Development Co. Ltd. The total estimated project cost is RMB 650 million (\$93 million), RMB 455 million (\$65 million) is financed through non-recourse project debt.
- (5) We have a 25% indirect ownership of Newhurst through our 50/50 joint venture with GIG, Covanta Green, The total estimated project cost is £341 million (\$422 million); £251 million (\$311 million) of which is financed through non-recourse project-based debt.

For additional information on our unconsolidated equity investments see *Item 8. Financial Statements And Supplementary Data — Note 3. New Business and Asset Management* and *Note 11. Equity Method Investments* of our 2019 Annual Report on Form 10-K and *Item 1. Financial Statements — Note 3. New Business and Asset Management*.

Supplementary Financial Information — Free Cash Flow (Non-GAAP Discussion)

To supplement our results prepared in accordance with GAAP, we use the measure of Free Cash Flow, which is a non-GAAP financial measure as defined by the SEC. This non-GAAP financial measure is not intended as a substitute and should not be considered in isolation from measures of liquidity prepared in accordance with GAAP. In addition, our use of Free Cash Flow may be different from similarly identified non-GAAP measures used by other companies, limiting its usefulness for comparison purposes. The presentation of Free Cash Flow is intended to enhance the usefulness of our financial information by providing measures which management internally uses to assess and evaluate the overall performance of its business and those of possible acquisition candidates, and highlight trends in the overall business.

We use the non-GAAP financial measure of Free Cash Flow as criteria of liquidity and performance-based components of employee compensation. Free Cash Flow is defined as cash flow provided by operating activities, plus changes in operating restricted funds, less maintenance capital expenditures, which are capital expenditures primarily to maintain our existing facilities. We use Free Cash Flow as a measure of liquidity to determine amounts we can reinvest in our core businesses, such as amounts available for acquisitions, invest in construction of new projects, make principal payments on debt, or return capital to our shareholders through dividends and/or stock repurchases.

For additional discussion related to management's use of non-GAAP financial measures, see *Consolidated Results of Operations — Supplementary Financial Information — Adjusted EBITDA (Non-GAAP Discussion)* above.

In order to provide a meaningful basis for comparison, we are providing information with respect to our Free Cash Flow for the three and six months ended June 30, 2020 and 2019, reconciled for each such period to cash flow provided by operating activities, which we believe to be the most directly comparable measure under GAAP.

The following is a reconciliation of Free Cash Flow (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
	(Unaudited)			
Net cash provided by operating activities	\$ 94	\$ 50	\$ 155	\$ 87
Add: Changes in restricted funds - operating ^(a)	—	5	(2)	5
Less: Maintenance capital expenditures ^(b)	(32)	(34)	(72)	(65)
Free Cash Flow	\$ 62	\$ 21	\$ 81	\$ 27

(a) Adjustment for the impact of the adoption of ASU 2016-18 effective January 1, 2018. As a result of adoption, the statement of cash flows explains the change during the period in the total of cash, cash equivalents, and amounts generally described as restricted cash or restricted cash equivalents. Therefore, changes in restricted funds are eliminated in arriving at net cash, cash equivalents and restricted funds provided by operating activities.

(b) Purchases of property, plant and equipment are also referred to as capital expenditures. Capital expenditures that primarily maintain existing facilities are classified as maintenance capital expenditures. The following table provides the components of total purchases of property, plant and equipment:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2020	2019	2020	2019
Maintenance capital expenditures	\$ (32)	\$ (34)	\$ (72)	\$ (65)
Net maintenance capital expenditures paid but incurred in prior periods	(3)	—	2	(6)
Total ash processing system	—	—	(8)	(1)
Capital expenditures associated with the New York City MTS contract	—	(6)	—	(17)
Capital expenditures associated with organic growth initiatives	(1)	(1)	(1)	(4)
Total capital expenditures associated with growth investments ^(c)	(1)	(7)	(9)	(22)
Total purchases of property, plant and equipment	<u>\$ (36)</u>	<u>\$ (41)</u>	<u>\$ (79)</u>	<u>\$ (93)</u>

(c) Growth investments include investments in growth opportunities, including organic growth initiatives, technology, business development, and other similar expenditures, net of third party loans collateralized by unconsolidated project equity.

Capital expenditures associated with growth investments	\$ (1)	\$ (7)	\$ (9)	\$ (22)
UK business development projects	(8)	—	(9)	(1)
Investment in equity affiliate	—	(5)	(10)	(8)
Asset and business acquisitions, net of cash acquired	—	—	—	2
Less: third party project loan proceeds collateralized by project equity	—	—	9	—
Total growth investments	<u>\$ (9)</u>	<u>\$ (12)</u>	<u>\$ (19)</u>	<u>\$ (29)</u>

Recent Accounting Pronouncements

See *Item 1. Financial Statements — Note 2. Recent Accounting Pronouncements* for information related to new accounting pronouncements.

Discussion of Critical Accounting Policies and Estimates

In preparing our condensed consolidated financial statements in accordance with GAAP, we are required to use judgment in making estimates and assumptions that affect the amounts reported in our financial statements and related notes. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances. These estimates form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Many of our critical accounting policies are subject to significant judgments and uncertainties, which could result in materially different results under different conditions and assumptions. Future events rarely develop exactly as forecasted, and the best estimates routinely require adjustment. Management believes there have been no material changes during the six months ended June 30, 2020 to the items discussed in *Discussion of Critical Accounting Policies* in *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations* of our 2019 Annual Report on Form 10-K.

Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

In the normal course of business, our subsidiaries are party to financial instruments that are subject to market risks arising from changes in commodity prices, interest rates, foreign currency exchange rates, and derivative instruments. Our use of derivative instruments is very limited and we do not enter into derivative instruments for trading purposes.

There were no material changes during the six months ended June 30, 2020 to the items discussed in *Item 7A. Quantitative and Qualitative Disclosures About Market Risk* of our 2019 Annual Report on Form 10-K.

Item 4. CONTROLS AND PROCEDURES

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of Covanta's disclosure controls and procedures, as required by Rule 13a-15(b) and 15d-15(b) under the Securities Exchange Act of 1934 (the "Exchange Act") as of June 30, 2020. Our disclosure controls and procedures are designed to reasonably assure that information required to be disclosed by us in reports we file or submit under the Exchange Act is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding disclosure and is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

Our Chief Executive Officer and Chief Financial Officer have concluded that, based on their reviews and as further discussed below, our disclosure controls and procedures are not effective to provide such reasonable assurance.

Our management, including our Chief Executive Officer and Chief Financial Officer, believes that any disclosure controls and procedures or internal controls and procedures, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Further, the design of a control system must consider the benefits of controls relative to their costs. Inherent limitations within a control system include the realities that judgments in decision-making can be faulty, and that breakdowns can occur because of simple error or mistake. Additionally, controls can be circumvented by the individual acts of some persons, by collusion of two or more people, or by unauthorized override of the control. While the design of any system of controls is to provide reasonable assurance of the effectiveness of disclosure controls, such design is also based in part upon certain assumptions about the likelihood of future events, and such assumptions, while reasonable, may not take into account all potential future conditions. Accordingly, because of the inherent limitations in a cost effective control system, misstatements due to error or fraud may occur and may not be prevented or detected.

Information Technology General Controls

As previously disclosed in *Item 9A. Controls and Procedures* of our 2019 Annual Report on Form 10-K, our management concluded that there was a material weakness in internal controls over financial reporting related to information technology general controls in the areas of user access and application change management over certain systems that support our financial reporting processes. Certain business process controls that are dependent on the affected information technology general controls were also deemed ineffective because they could have been adversely impacted.

During the six months ended June 30, 2020, we implemented specific changes in process and enhanced controls to address this material weakness, consistent with management's comprehensive plan of remediation described in our previous disclosure in our 2019 Annual Report on Form 10-K. Additional improvements are still being implemented as part of such plan.

During the six months ended June 30, 2020, we completed the following steps to remediate the material weakness discussed above:

- Hired information technology managers for all previously vacant positions and assigned these individuals specific internal control ownership and oversight;
- Trained all information technology employees on information technology general controls and policies;
- Centralized the formerly disparate processes to manage and control user accounts within our financial reporting systems;
- Trained information technology managers on the process for providing, modifying and terminating application access;
- Implemented monitoring procedures to ensure that the management of user accounts is performed in compliance with internal control requirements;
- Initiated the design of an enhanced process to periodically reassess the propriety of users' access to our financial reporting systems;
- Designed and implemented change management and access management controls for financially relevant applications;
- Trained business application owners on information technology change management procedures and controls; and
- Documented and communicated with business application owners information technology change management procedures.

In addition to these completed steps, management is continuing to progress on other components of its comprehensive plan of remediation, including:

- Moving all applications to Single Sign On (SSO) so as to better control termination of access;
- Developing enhanced risk assessment procedures related to changes in the information technology systems environment; and
- Developing new and enhancing existing logging and reporting capabilities so that changes to applications can be recorded and monitored for propriety.

We believe that these actions, together with additional actions that might be identified and determined necessary as management's remediation efforts continue to progress, will remediate the material weakness. The material weakness will not be considered remediated, however, until the applicable controls operate for a sufficient period of time and our management has concluded, through testing, that information technology general controls are operating effectively.

Changes in Internal Control over Financial Reporting

Effective June 29, 2020, Covanta commenced a managed tax services arrangement with a third party service provider, under which a majority of the US employees in our tax department transitioned from Covanta to the third party service provider.

Except as noted in the preceding paragraph and above under *Information Technology General Controls*, there have not been any changes in our system of internal control over financial reporting during the quarter ended June 30, 2020 that have materially affected, or are reasonably likely to materially affect, internal control over financial reporting.

As a result of the COVID-19 pandemic, since March 16, 2020, all corporate and field administrative employees have successfully transitioned to working primarily from home, while essential plant employees continue to report to their facilities. Despite these changes to the working environment, we have not experienced any material impact to our internal controls over financial reporting during the quarter ended June 30, 2020. We will continue to monitor the effects of the COVID-19 pandemic on our internal control over financial reporting.

PART II — OTHER INFORMATION

Item 1. LEGAL PROCEEDINGS

For information regarding legal proceedings, see *Item 1. Financial Statements — Note 15. Commitments and Contingencies*, which information is incorporated herein by reference.

Item 1A. RISK FACTORS

Our activities were impacted by the COVID-19 pandemic, and there remains a risk that our activities could be further impacted in the future as the COVID-19 pandemic and its effects remain dynamic, whether those effects are local, nationwide or global. Matters outside our control may prevent us from executing on our existing operations or projects in development, limit travel of Company representatives, adversely affect the health and welfare of Company personnel or prevent important vendors and contractors from performing normal and contracted activities.

The current COVID-19 pandemic significantly impacted the national and global economy and commodity and financial markets, and while some markets have stabilized, others remain under pressure and there continues to be a risk that the situation may again get worse before it gets better. The full extent and near- and long-term impact of the COVID-19 pandemic continues to be unknown and to date has included extreme volatility in financial markets, a significant slowdown in economic activity, extreme volatility in commodity prices (including energy and metals prices) and the potential for a global recession. The response to COVID-19 has led to significant restrictions on travel, temporary business closures, quarantines, global stock market volatility and a general reduction in consumer and construction activity globally. Matters outside our control have affected our business and operations and may begin or may continue to: prevent us from executing on our existing operations and projects in development; limit travel of Company representatives, including between our corporate headquarters in New Jersey and between and among our facilities across the United States and in other countries; adversely affect the health and welfare of our personnel; or prevent important vendors and contractors from performing normal and contracted activities, including waste-to-energy operations, maintenance and construction activities. If significant portions of our workforce were to be unable to work effectively, including because of illness, quarantines, government actions, travel restrictions, facility closures, social distancing requirements or other restrictions in connection with the COVID-19 pandemic, our operations could be materially impacted. It is possible that the continued spread of COVID-19 could also further cause disruption in our supply chains, adversely affect our business partners, delay our construction activities or cause other unpredictable events.

The spread of COVID-19 throughout the United States, Canada and the United Kingdom has forced and may continue to force many of our employees to work from home and may result in employees missing work if they or a member of their family contract COVID-19, which could harm our operations and negatively impact our financial condition. We may also be prevented from receiving goods or services from contractors. Decisions beyond our control, such as canceled events, restricted travel, quarantines, barriers to entry or other factors may affect our ability to operate our waste-to-energy plants and delay ongoing or planned construction projects in the United Kingdom, financing activities, and other needs that would normally be accomplished without such limitations. The extent to which the COVID-19 outbreak may, in the future, impact our operations, our business and the economy is highly uncertain; however, the dramatic downturn in commercial activity in the markets in which we operate may reduce the amount of waste available for delivery to our waste-to-energy facilities, adversely impacting revenues from waste processing, metals recovery, and power generation. We cannot predict the future impact of the COVID-19 pandemic, but it may materially and adversely affect our business, financial condition and results of operations.

A long-term decline in our stock price may result in impairment charges.

As a result of the COVID-19 pandemic and the resulting impact to the economy, global stock prices have dropped considerably, including the Company's stock price. If there is an extended period of lower stock market valuations or an extended global recession which adversely impacts revenues generated from our waste processing facilities, we may be required to perform additional impairment tests for our goodwill, intangible assets and long-lived assets, which may result in material impairment charges during the remainder of 2020.

Except as noted in the preceding paragraphs, there have been no material changes during the six months ended June 30, 2020 to the risk factors discussed in *Item 1A. Risk Factors* in our 2019 Annual Report on Form 10-K.

Item 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

Item 3. DEFAULTS UPON SENIOR SECURITIES

None.

Item 4. MINE SAFETY DISCLOSURES

Not applicable.

Item 5. OTHER INFORMATION

(a) None.

(b) Not applicable.

Item 6. EXHIBITS

Exhibit Number	Description
Articles of Incorporation and By-Laws.	
3.1†	Restated Certificate of Incorporation of Covanta Holding Corporation (incorporated herein by reference to Exhibit 3.1 of Covanta Holding Corporation's Current Report on Form 8-K dated January 19, 2007 and filed with the SEC on January 19, 2007).
3.2†	Amended and Restated Bylaws of Covanta Holding Corporation, effective December 12, 2019 (incorporated herein by reference to Exhibit 3.1 of Covanta Holding Corporation's Current Report on Form 8-K dated December 13, 2019 filed with the SEC on December 13, 2019).
Other.	
31.1	Certification pursuant to Section 302 of Sarbanes-Oxley Act of 2002 by the Chief Executive Officer.
31.2	Certification pursuant to Section 302 of Sarbanes-Oxley Act of 2002 by the Chief Financial Officer.
32	Certification of periodic financial report pursuant to Section 906 of Sarbanes-Oxley Act of 2002 by the Chief Executive Officer and Chief Financial Officer.
Exhibit 101.INS:	XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
Exhibit 101.SCH:	XBRL Taxonomy Extension Schema
Exhibit 101.CAL:	XBRL Taxonomy Extension Calculation Linkbase
Exhibit 101.DEF:	XBRL Taxonomy Extension Definition Linkbase
Exhibit 101.LAB:	XBRL Taxonomy Extension Labels Linkbase
Exhibit 101.PRE:	XBRL Taxonomy Extension Presentation Linkbase
104	Cover Page Interactive Data File - (formatted as Inline XBRL and contained in Exhibit 101)

† Not filed herewith, but incorporated herein by reference.

* Management contract or compensatory plan or arrangement.

Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Stephen J. Jones, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Covanta Holding Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ STEPHEN J. JONES

Stephen J. Jones

President and Chief Executive Officer

Date: July 31, 2020

Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Bradford J. Helgeson, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Covanta Holding Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ BRADFORD J. HELGESON

Bradford J. Helgeson

Executive Vice President and Chief Financial Officer

Date: July 31, 2020

**Certification of Periodic Financial Report Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

In connection with the Quarterly Report on Form 10-Q for the period ended June 30, 2020 of Covanta Holding Corporation as filed with the Securities and Exchange Commission on the date hereof (the "Report"), Stephen J. Jones and Bradford J. Helgeson, as Chief Executive Officer and Chief Financial Officer, respectively, of Covanta Holding Corporation, each hereby certifies, pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to his knowledge:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Covanta Holding Corporation;

This certification accompanies the Report pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 and shall not, except to the extent required by the Sarbanes-Oxley Act of 2002, be deemed filed by Covanta Holding Corporation for purposes of Section 18 of the Securities Exchange Act of 1934, as amended.

A signed original of this written statement has been provided to Covanta Holding Corporation and will be retained by Covanta Holding Corporation and furnished to the Securities and Exchange Commission or its staff upon request.

/s/ STEPHEN J. JONES

Stephen J. Jones

President and Chief Executive Officer

/s/ BRADFORD J. HELGESON

Bradford J. Helgeson

Executive Vice President and Chief Financial Officer

Date: July 31, 2020