

CREDIT OPINION

21 June 2019

Update

✓ Rate this Research

RATINGS

Veolia Environnement S.A.

Domicile	Paris, France
Long Term Rating	Baa1
Type	LT Issuer Rating
Outlook	Stable

Please see the [ratings section](#) at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

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CLIENT SERVICES

Americas 1-212-553-1653

Asia Pacific 852-3551-3077

Japan 81-3-5408-4100

EMEA 44-20-7772-5454

Veolia Environnement S.A.

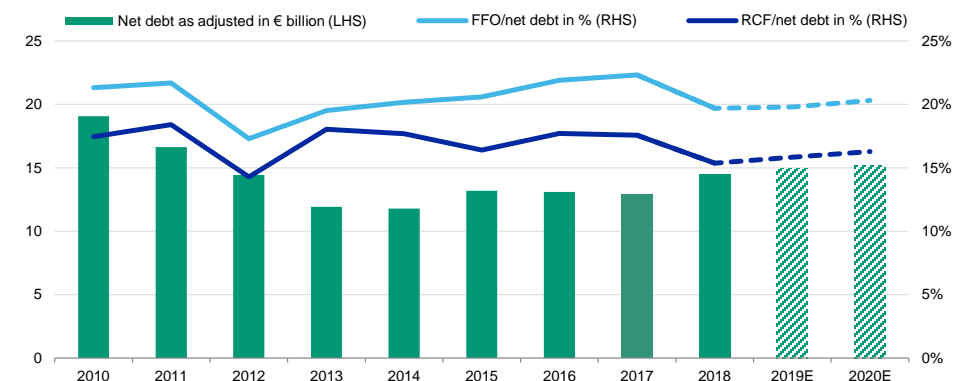
Update to credit analysis

Summary

Veolia Environnement S.A.'s (Veolia) credit quality is underpinned by (1) its size and position as one of the largest groups in global environmental services; (2) the diversification of its revenue base by business, contract type and geography; and (3) the low risk profile of its water business. These factors are balanced by (1) Veolia's exposure to the macroeconomic cycle through its waste business; and (2) the increasing proportion of short-term contracts with industrial clients in its revenue mix.

From the financial risk perspective, we expect the group to continue to maintain a moderate leverage profile with funds from operations (FFO)/net debt around 20% and retained cash flow (RCF)/net debt in the mid-teens in percentage terms (see Exhibit 1). This is mostly predicated on the continued successful delivery of the group's cost-saving programme, which should more than offset the pressure stemming from weak price indexation in the European water business.

Exhibit 1  
Financial profile expected to remain resilient



The 2019 and 2020 estimates represent Moody's forward view, and not the view of the issuer.  
Sources: Veolia, Moody's Investors Service

## Credit strengths

- » Scale and diversification, which support cash flow stability
- » Supportive long-term industry dynamics
- » Low-risk water activities, although affected in Europe (and notably in France) by weak indexation despite slowly rising inflation
- » Improving financial profile, primarily driven by its cost-saving programme

## Credit challenges

- » Exposure of waste business to the cyclical macroeconomic environment in Europe, although the correlation between volumes and industrial production is slowly reducing
- » Increasing share of the industrial sector in the company's client mix, in line with strategy to increase the proportion of value added services
- » Growing presence outside Western Europe, although mitigated by a balanced approach to capital deployment

## Rating outlook

The stable outlook reflects our expectation that Veolia's financial profile will remain aligned with our guidance for the Baa1 rating, which includes FFO/net debt of around 20%, RCF/net debt at least in the midteens in percentage terms and FFO interest cover above 4x. It also factors in our assumption that any potential deterioration in the company's business risk profile because of increased exposure to industrial clients could be offset by a further improvement in its credit metrics.

## Factors that could lead to an upgrade

Upward pressure on the ratings could develop over the medium term if Veolia were to achieve RCF/net debt approaching 20% on a sustained basis. In this scenario, we would take into account management's future financial policy and use of the financial flexibility that it could develop in the medium term.

## Factors that could lead to a downgrade

Negative pressure on the ratings could arise if the company's metrics were to fall short of our guidance because of weaker-than-expected operating performance or increased investments.

## Key indicators

Exhibit 2

### Veolia Environnement S.A.

	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18	2019-proj
(FFO + Interest Expense) / Interest Expense	4.6x	5.5x	6.0x	6.0x	6.0x	6.0x
FFO / Net Debt	20.2%	20.6%	21.9%	22.3%	19.7%	19.8%
RCF / Net Debt	17.7%	16.4%	17.7%	17.6%	15.4%	15.8%
FCF / Net Debt	-1.3%	0.3%	0.7%	-1.2%	-2.7%	-3.1%

All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations. The 2015, 2016, 2017 and 2018 key indicators are adjusted for IFRIC 12. For definitions of Moody's most common ratio terms, please see the accompanying [User's Guide](#).

Source: Moody's Investors Service

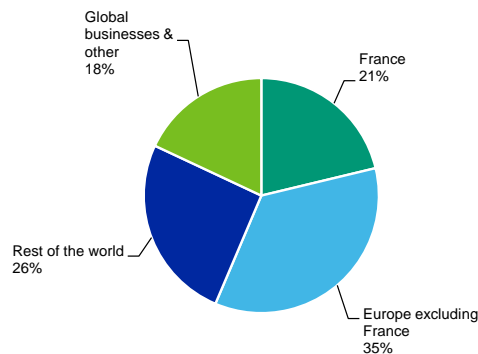
This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on [www.moody.com](http://www.moody.com) for the most updated credit rating action information and rating history.

## Profile

Headquartered in Aubervilliers, France, Veolia Environnement S.A. (Veolia) is one of the world's largest providers of environmental services, with revenue of €25.9 billion in 2018. It provides drinking water to 95 million people, wastewater treatment to 63 million people and waste management services to 43 million people. Veolia is listed on the Paris Stock Exchange, with a market capitalisation of around €11.3 billion.

Exhibit 3

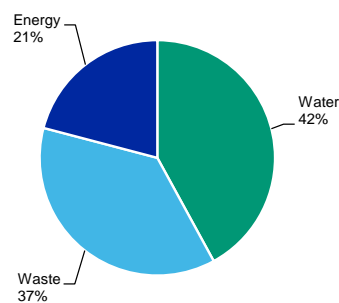
### Breakdown of revenue by geography - 2018



Source: Company reports

Exhibit 4

### Breakdown of revenue by activity - 2018



Source: Company reports

## Detailed credit considerations

### Scale and diversification support cash flow stability

Veolia's credit quality is underpinned by its scale and diversification, which have contributed to leading market positions in many different geographies across its three businesses of water, environmental and energy services. The diversification of the company's revenue base by business, contract type and geography (see Exhibits 3 and 4) helps mitigate the negative effect on earnings from a deterioration in any one activity or region and supports the relative stability of its cash flow. In addition, the granularity of its portfolio of contracts means that Veolia has limited exposure to the risk of nonrenewal of any single contract.

### Increasing share of industrial clients in revenue mix

Veolia's revenue is derived from a portfolio of thousands of multiyear contracts, which range from long-term concessions with low-risk counterparties in the public sector to shorter-term contracts with industrial and commercial (I&C) customers. Contracts vary by market and can either be capital intensive, requiring the group to invest in infrastructure in exchange for the right to provide services on a long-term basis, or be structured as operating and maintenance or management contracts, requiring little investment.

Public authorities accounted for 53% of Veolia's turnover in 2018 and I&C customers accounted for the remaining 47%, a proportion we expect to continue to grow gradually as the group's commercial pipeline includes a greater share of projects in the I&C sector. Veolia has identified six growth areas of increasing demand from its industrial clients to meet growing efficiency, environmental or regulatory requirements. This shift in client mix may, over time, increase Veolia's business risk profile as it entails greater reliance on shorter-term, asset-light contracts.

### Supportive long-term industry dynamics, but in an increasingly competitive environment

Veolia operates in sectors that benefit from positive long-term underlying dynamics globally, although the sectors are not immune to short-term economic pressure. These positive factors include population growth, the trend towards urbanisation and industrialisation, and an expectation of rising standards of living in emerging economies.

Together with public concern over the impact of climate change on scarce resources and increasingly stricter environmental regulation, these positive underlying factors are leading to increased demand for (1) existing technologies for the provision of water, wastewater and waste management services; and (2) new services and technologies that, for example, facilitate water preservation, or the ongoing shift towards waste recovery.

Against this backdrop, competition is intense, especially in the lower part of the value chain. Veolia's closest competitor is [SUEZ](#) (A3 negative), while other competitors include new Chinese companies and both global and local specialists (for example, energy companies, equipment manufacturers, companies specialised in energy efficiency or facility management). Veolia's main competitive advantages are its scale and ability to provide a wide range of services and technologies across business lines and geographies.

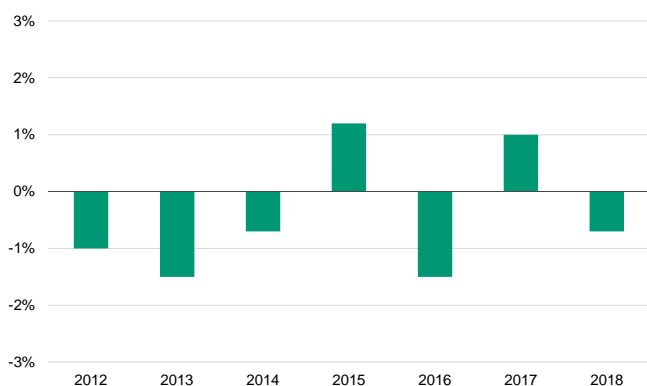
### Low-risk water activities, but exposure of the waste business to cyclical macroeconomic conditions is a challenge

Veolia benefits from the low risk profile of its water business, which provides essential water and wastewater management services to individuals and businesses, often on behalf of local municipalities, under long-term concession agreements. Although demand for water continues to experience a slow structural decline in advanced economies, especially in Europe, because of a more resource-aware population, variations in water consumption are mainly driven by weather (see Exhibit 6). Typical renewal rates of around 90% in the municipal sector provide revenue visibility and stability.

Exhibit 5

#### Water volume in mature economies exhibit low volatility and growth...

(Annual percentage change in Veolia's water volume in France)

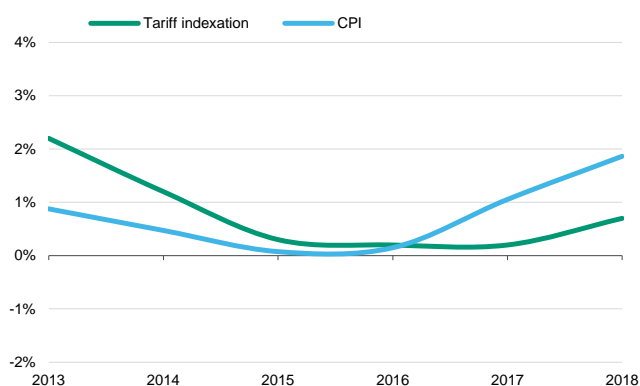


Source: Company reports

Exhibit 6

#### ... while tariff indexation remains weak despite inflation picking up

(Annual percentage change in Veolia's water tariffs in France versus CPI)

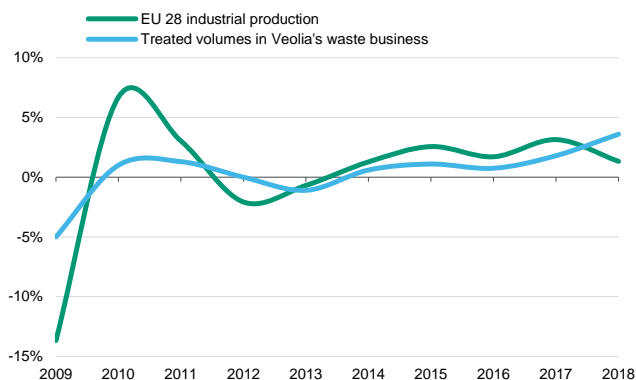


Sources: Company reports, Moody's Investors Service, INSEE

The waste management business is more exposed to cyclical macroeconomic conditions, reflecting (1) the higher proportion of I&C customers; (2) contract terms often linked to collected or processed volume, which are, in turn, linked to industrial production (see Exhibit 8); and (3) the modest and residual exposure of the recycling business to paper and scrap metal prices. With low entry barriers in collection and elimination of nonhazardous waste, Veolia continues to invest in higher-value-added activities. These include sorting and processing hazardous materials and energy from waste, which will, in turn, increase the group's exposure to fluctuations in material and energy prices (see exhibit 9) - but will reduce the correlation between treated volumes and industrial production.

Exhibit 7

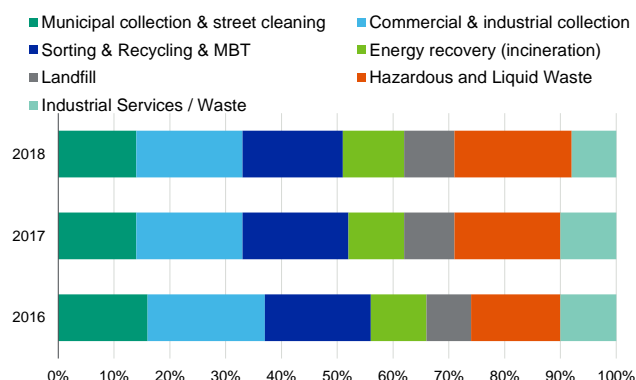
### Veolia's waste business is exposed to the macroeconomic cycle (Annual percentage change)



In 2010, waste volume was from industrial clients only.  
Sources: Company reports, Moody's Investors Service

Exhibit 8

### Shift from collection and landfill to recycling and hazardous materials continues (Waste revenue breakdown by activity)



Sources: Company reports, Moody's Investors Service

In Veolia's energy business, around two-thirds of the revenue comes from the management of district heating and cooling networks, which is supported by long-term contracts. These contracts include indexation and pass-through clauses covering variations in energy prices, although these can be subject to some regulatory risk. These features ensure relatively predictable cash flow, although this activity remains exposed to weather conditions, which drive the seasonal demand for heating and cooling. In addition to managing networks, the group acts as a subcontractor for public and private customers to manage or maintain various energy installations (including decentralised electricity generation such as biomass) which in turn can expose it to fluctuations in energy prices.

### Growing presence outside Europe, mitigated by a balanced approach to capital deployment

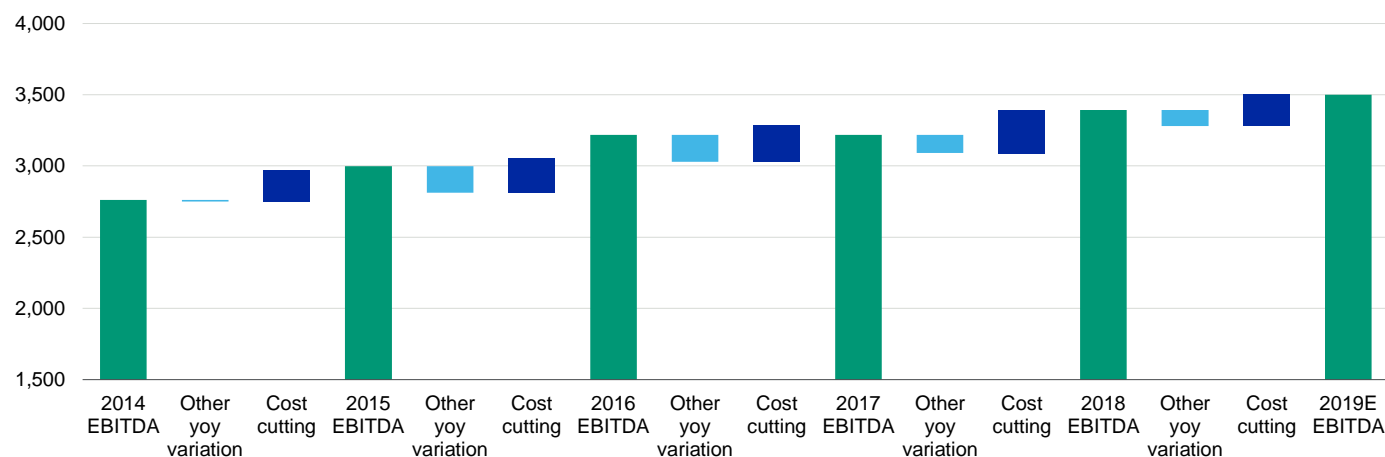
We expect the group's emphasis to continue to be on growth driven primarily by organic investment, although transactions will also shape the development of the group where opportunities arise. For example, in January 2019, Veolia finalised the €340 million sale of its remaining 30% stake in Transdev, an international transport operator, marking its exit from the transport sector. In early May, Veolia received indicative bids in the auction of its US district energy business, which generated around \$90 million of EBITDA in 2018. According to industry estimates, the business is likely to sell for over \$1 billion.

Veolia's strategy to shift progressively from mature economies to growth markets outside Europe implies incremental risks. This was illustrated by the unilateral termination in 2018 of Veolia's water and energy contract in Gabon. Following arbitration with the International Centre for Settlement of Investment Disputes, Veolia and the [Government of Gabon](#) (Caa1 stable) agreed in February to an undisclosed financial compensation effectively ending all contractual obligations and conclusion of the arbitration. We therefore expect the group to remain cautious in its approach towards capital deployment so as to limit the scale of the investment it takes on in any individual country.

### Cost-reduction programme supports operating profitability

Given our expectation of broadly stable net debt and neutral free cash flow, Veolia's ability to maintain its leverage (FFO/net debt) largely unchanged, comes from its operating cash flow evolution. The group's profitability is mostly predicated on the continued successful execution of its cost-saving programme, which has, in earlier years, more than offset the pressures stemming from weak price indexation and subdued industrial production in Europe (see Exhibit 10). Delivery of this programme was the main driver behind the 7.3% EBITDA growth (at constant foreign exchange) reported in 2018.

Exhibit 9

**EBITDA growth continues to be driven by cost savings**  
 (in € million)


EBITDA excluding IFRIC 12 impact.

Sources: Company reports, Moody's Investors Service

The group reported revenue of €25.9 billion in 2018 (+6.5% at a constant exchange rate) and EBITDA of €3,392 million (+7.3% at a constant exchange rate). Adjusted net debt increased by approximately 12% to €14.5 billion at end-2018, mainly because of the redemption of its €1.5 billion deeply subordinated perpetual securities, and the delay in closing the Transdev sale. The company's FFO/net debt weakened a little as a result to 19.7%, but nevertheless remained consistent with our guidance for the rating.

Veolia delivered continued positive momentum in the first quarter of 2019, with EBITDA rising 4.2% (at constant FX and excluding the impact of IFRS 16) versus Q1 2018 to €1,031 million thanks to solid revenue growth and cost savings of €60 million, ahead of schedule. On that basis, the group reiterated its guidance for 2019, including EBITDA growth to €3.5bn - €3.6bn (or €3.9bn - €4.0bn including IFRS 16) based on (1) expected revenue growth driven by new contracts and a stronger outlook for industrial production; and (2) its target of at least €220 million of cumulative gross cost savings compared with an aggregate of around €800 million between 2016 and 2018. We estimate this should underpin the group's credit metrics in the medium term, including FFO/net debt close to 20% in 2019.

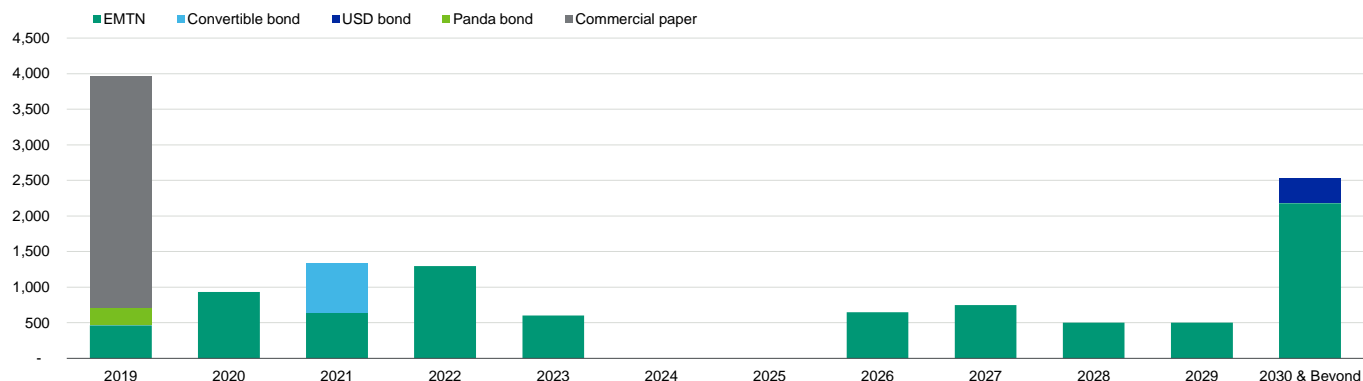
### Liquidity analysis

Veolia's liquidity is sound. We expect the group to be broadly free cash flow neutral after dividend payments over the next 12 months. The group's funding needs at the end of December 2018 mostly comprised €4.16 billion of current liabilities and a €462 million bond. Short-term liabilities include €3,250 million of commercial paper outstandings, reflecting the group's ability to arbitrage borrowing rates in the current market conditions. These funding needs were covered by (1) €4.2 billion of cash and cash equivalents (excluding restricted cash) on balance sheet, and (2) undrawn credit lines of €3.9 billion in aggregate as of the end of December 2018.

These credit lines mainly consist of (1) a syndicated facility of €3 billion maturing in 2022, and (2) undrawn bilateral facilities of €925 million maturing between 2020 and 2022. These facilities contain no triggers, covenants, material adverse changes or general restrictions. The average bond issue maturity was 7.5 years as of 31 December 2018.

Exhibit 10

### Veolia's debt maturity profile as of the end of December 2018 (in € million)



Sources: Veolia, Moody's Investors Service

## Rating methodology

The primary methodology used in rating Veolia was our [Environmental Services and Waste Management Companies](#), published in April 2018. The assigned Baa1 rating is one notch higher than the scorecard-indicated outcome of Baa2, which reflects (1) the very broad diversification of its revenue base by sector and geography; and (2) the low risk profile of its concession-based water business, including its leading position in France, which accounted for 42% of revenue in FY 2018. The Baa1 rating also takes account of the group's moderate leverage when assessed on a net debt basis, taking into account its substantial cash holdings.

Exhibit 11

### Rating factors

Veolia Environnement S.A.

Environmental Services and Waste Management Companies Industry Grid [1][2]	Current LTM 12/31/2018		Moody's 12-18 Month Forward View As of May 2019 [3]	
	Measure	Score	Measure	Score
<b>Factor 1 : Business Profile (15%)</b>				
a) Business Profile	Baa	Baa	Baa	Baa
<b>Factor 2 : Scale (20%)</b>				
a) Revenue (USD Billions)	Aa	Aa	Aa	Aa
<b>Factor 3: Profitability and Efficiency (10%)</b>				
a) EBIT Margin (%)	5.24%	Ba	5% - 6%	Ba
<b>Factor 4 : Leverage and Coverage (40%)</b>				
a) FFO / Debt	15.08%	Ba	15% - 17%	Ba
b) Debt / EBITDA	5.20x	B	5x - 5.5x	B
c) EBIT / Interest Expense	2.40x	Ba	2x - 3x	Ba
<b>Factor 5: Financial Policy (15%)</b>				
a) Financial Policy	Aa	Aa	Aa	Aa
<b>Rating:</b>				
Scorecard-Indicated Outcome from Factors 1-5		Baa2		Baa2
<b>Rating:</b>				
a) Scorecard-Indicated Outcome		Baa2		Baa2
b) Actual Baseline Credit Assessment				Baa1

[1] All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations. [2] As of 12/31/2018; Source: Moody's Financial Metrics™. [3] This represents Moody's forward view, not the view of the issuer.

Source: Moody's Investors Service

## Ratings

Exhibit 12

Category	Moody's Rating
<b>VEOLIA ENVIRONNEMENT S.A.</b>	
Outlook	Stable
Issuer Rating	Baa1
Senior Unsecured	Baa1
Commercial Paper	P-2

Source: Moody's Investors Service



## Appendix

Exhibit 13

### Veolia's select historical Moody's-adjusted financial data

(in EUR million)	FYE Dec-13	FYE Dec-14	FYE Dec-15	FYE Dec-16	FYE Dec-17	FYE Dec-18
<b>INCOME STATEMENT</b>						
Revenue	23,022	24,011	25,138	24,388	24,978	26,046
EBITDA	3,136	3,749	3,572	3,590	3,528	3,626
EBIT	1,060	1,718	1,408	1,416	1,314	1,364
Interest Expense	733	662	609	577	574	569
<b>BALANCE SHEET</b>						
Cash & Cash Equivalents	4,125	2,963	3,922	5,314	6,146	4,414
Total Debt	16,062	14,744	17,112	18,404	19,075	18,865
Total Liabilities	30,560	28,933	31,585	32,938	33,576	33,866
<b>CASH FLOW</b>						
Funds from Operations (FFO)	2,328	2,376	2,713	2,871	2,886	2,846
Dividends	175	294	548	556	614	625
Retained Cash Flow (RCF)	2,153	2,083	2,165	2,315	2,271	2,220
Cash Flow From Operations (CFO)	2,201	2,412	2,828	2,919	2,890	2,726
Free Cash Flow (FCF)	(248)	(150)	45	93	(150)	(389)
<b>PROFITABILITY</b>						
Change in Sales (YoY)	-1.7%	4.3%	4.7%	-3.0%	2.4%	4.3%
EBITDA margin %	13.6%	15.6%	14.2%	14.7%	14.1%	13.9%
EBIT margin %	4.6%	7.2%	5.6%	5.8%	5.3%	5.2%
<b>INTEREST COVERAGE</b>						
EBITDA / Interest Expense	4.3x	5.7x	5.9x	6.2x	6.1x	6.4x
(FFO + Interest Expense) / Interest Expense	4.2x	4.6x	5.5x	6.0x	6.0x	6.0x
<b>LEVERAGE AND CASH FLOW</b>						
Debt / EBITDA	5.1x	3.9x	4.8x	5.1x	5.4x	5.2x
Net Debt / EBITDA	3.8x	3.1x	3.7x	3.6x	3.7x	4.0x
FFO / Net Debt	19.5%	20.2%	20.6%	21.9%	22.3%	19.7%
RCF / Net Debt	18.0%	17.7%	16.4%	17.7%	17.6%	15.4%
CFO / Net Debt	18.4%	20.5%	21.4%	22.3%	22.4%	18.9%
FCF / Net Debt	-2.1%	-1.3%	0.3%	0.7%	-1.2%	-2.7%

All figures are calculated using Moody's estimates and standard adjustments.

Source: Moody's Investors Service

Exhibit 14

## Peer comparison

(in EUR million)	Veolia Environnement S.A. Baa1 Stable			SUEZ A3 Negative			Hera S.p.A. Baa2 Stable			ACEA S.p.A. Baa2 Stable		
	FYE	FYE	FYE	FYE	FYE	FYE	FYE	FYE	FYE	FYE	FYE	
	Dec-16	Dec-17	Dec-18	Dec-16	Dec-17	Dec-18	Dec-16	Dec-17	Dec-18	Dec-16	Dec-17	Dec-18
Revenue	24,388	24,978	26,046	15,322	15,783	17,331	5,131	5,612	6,134	2,709	2,670	2,837
EBITDA	3,590	3,528	3,626	2,809	2,648	2,991	815	860	920	816	733	860
Total Debt	18,404	19,075	18,865	13,890	15,078	15,802	3,230	3,312	3,438	3,101	3,527	3,943
Cash & Cash Equivalents	5,314	6,146	4,414	2,968	3,259	3,438	352	451	536	666	681	1,068
EBIT margin %	5.8%	5.3%	5.2%	6.8%	5.3%	6.2%	8.9%	8.6%	8.5%	19.8%	15.1%	17.0%
EBIT / Interest Expense	2.5x	2.3x	2.4x	2.2x	1.8x	2.0x	4.1x	4.7x	5.0x	5.7x	4.7x	5.2x
Debt / EBITDA	5.1x	5.4x	5.2x	4.9x	5.7x	5.3x	4.0x	3.8x	3.7x	3.8x	4.8x	4.6x
FFO / Net Debt	21.9%	22.3%	19.7%	20.6%	18.8%	19.2%	20.5%	21.7%	23.4%	26.3%	23.5%	22.4%
RCF / Net Debt	17.7%	17.6%	15.4%	15.2%	14.0%	13.8%	15.4%	16.8%	18.2%	21.8%	18.7%	17.7%

All figures are calculated using Moody's estimates and standard adjustments.

Source: Moody's Investors Service

Exhibit 15

## Veolia's adjusted debt breakdown

(in EUR million)	FYE	FYE	FYE	FYE	FYE	FYE
	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18
<b>As Reported Total Debt</b>	12,901.1	11,544.0	12,341.0	13,350.5	14,273.3	14,493.7
Pensions	603.4	679.8	701.4	796.5	657.2	644.2
Operating Leases	1,445.1	1,435.8	1,338.6	1,471.8	1,465.3	1,431.9
Hybrid Securities	739.9	756.8	772.5	733.6	725.4	0.0
Securitization	185.0	221.0	332.5	512.1	567.6	788.9
Non-Standard Public Adjustments	187.0	106.6	1,625.9	1,539.3	1,385.7	1,506.6
<b>Moody's Adjusted Total Debt</b>	16,061.5	14,744.0	17,111.9	18,403.8	19,074.5	18,865.3

All figures are calculated using Moody's estimates and standard adjustments.

Source: Moody's Investors Service

Exhibit 16

## Veolia's adjusted EBITDA breakdown

(in EUR million)	FYE	FYE	FYE	FYE	FYE	FYE
	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18
<b>As Reported EBITDA</b>	2,248.2	2,936.7	2,699.3	2,648.3	2,660.6	2,748.1
Pensions	20.3	15.0	9.2	26.8	(15.6)	7.4
Leases	481.7	478.6	446.2	471.4	472.2	477.3
Securitization	7.1	6.8	9.9	15.1	17.7	30.6
Non-Standard Public Adjustments	420.2	356.8	446.9	469.7	428.0	393.2
Interest Expense - Discounting	(41.7)	(45.3)	(39.0)	(41.7)	(35.4)	(30.4)
<b>Moody's Adjusted EBITDA</b>	3,135.8	3,748.6	3,572.5	3,589.6	3,527.5	3,626.2

All figures are calculated using Moody's estimates and standard adjustments.

Source: Moody's Investors Service

## Moody's related publications

### Rating Actions:

» [Moody's affirms Veolia's Baa1/P-2 ratings; outlook stable, 12 October 2018](#)

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