Apollo Global Management LLC Form 10-O August 07, 2015 **Table of Contents** 

**UNITED STATES** SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Form 10-Q

(Mark One)

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

FOR THE QUARTERLY PERIOD ENDED JUNE 30, 2015 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: 001-35107

#### APOLLO GLOBAL MANAGEMENT, LLC

(Exact name of Registrant as specified in its charter)

Delaware 20-8880053

(State or other jurisdiction of incorporation or (I.R.S. Employer Identification No.)

organization)

9 West 57th Street, 43rd Floor

New York, New York 10019 (Address of principal executive offices) (Zip Code)

(212) 515-3200

(Registrant's telephone number, including area code)

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 x No "

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes x No

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See the definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer

Non-accelerated filer o (Do not check if a smaller reporting company) Smaller reporting company Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange

Act). Yes "No T

As of August 6, 2015 there were 174,565,193 Class A shares and 1 Class B share outstanding.

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#### Forward-Looking Statements

This quarterly report may contain forward-looking statements that are within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These statements include, but are not limited to, discussions related to Apollo's expectations regarding the performance of its business, liquidity and capital resources and the other non-historical statements in the discussion and analysis. These forward-looking statements are based on management's beliefs, as well as assumptions made by, and information currently available to, management. When used in this quarterly report, the words "believe," "anticipate," "estimate," "expect," "intend" and similar expressions are intended to identify forward-looki statements. Although management believes that the expectations reflected in these forward-looking statements are reasonable, it can give no assurance that these expectations will prove to have been correct. These statements are subject to certain risks, uncertainties and assumptions, including risks relating to our dependence on certain key personnel, our ability to raise new private equity, credit or real estate funds, market conditions generally, our ability to manage our growth, fund performance, changes in our regulatory environment and tax status, the variability of our revenues, net income and cash flow, our use of leverage to finance our businesses and investments by our funds and litigation risks, among others. We believe these factors include but are not limited to those described under the section entitled "Risk Factors" in the Company's Annual Report on Form 10-K filed with the United States Securities and Exchange Commission (the "SEC") on February 27, 2015 (the "2014 Annual Report"); as such factors may be updated from time to time in our periodic filings with the SEC, which are accessible on the SEC's website at www.sec.gov. These factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements that are included in this quarterly report and in our other filings. We undertake no obligation to publicly update or review any forward-looking statements, whether as a result of new information, future developments or otherwise, except as required by applicable law.

#### Terms Used in This Report

In this quarterly report, references to "Apollo," "we," "us," "our" and the "Company" refer collectively to Apollo Global Management, LLC, a Delaware limited liability company, and its subsidiaries, including the Apollo Operating Group and all of its subsidiaries, or as the context may otherwise require;

- "AMH" refers to Apollo Management Holdings, L.P., a Delaware limited partnership, that is an indirect subsidiary of Apollo Global Management, LLC;
- "Apollo funds", "our funds" and references to the "funds" we manage, refer to the funds (including the parallel funds and alternative investment vehicles of such funds), partnerships, accounts, including strategic investment accounts or "SIAs," alternative asset companies and other entities for which subsidiaries of the Apollo Operating Group provide investment management services;
- "Apollo Operating Group" refers to (i) the limited partnerships through which our Managing Partners currently operate our businesses and (ii) one or more limited partnerships formed for the purpose of, among other activities, holding certain of our gains or losses on our principal investments in the funds, which we refer to as our "principal investments"; "Assets Under Management", or "AUM", refers to the assets we manage for the funds, partnerships and accounts to which we provide investment management services, including, without limitation, capital that such funds, partnerships and accounts have the right to call from investors pursuant to capital commitments. Our AUM equals the sum of:
- the fair value of the investments of the private equity funds, partnerships and accounts we manage plus the capital that such funds, partnerships and accounts are entitled to call from investors pursuant to capital commitments; the net asset value, or "NAV," of the credit funds, partnerships and accounts for which we provide investment (ii) management services, other than certain collateralized loan obligations ("CLOs") and collateralized debt obligations
- (ii) management services, other than certain collateralized loan obligations ("CLOs") and collateralized debt obligations ("CDOs"), which have a fee-generating basis other than the mark-to-market value of the underlying assets, plus used or available leverage and/or capital commitments;
- the gross asset value or net asset value of the real estate funds, partnerships and accounts we manage, and the structured portfolio company investments of the funds, partnerships and accounts we manage, which includes the leverage used by such structured portfolio company investments;
- (iv) the incremental value associated with the reinsurance investments of the portfolio company assets we manage; and (v)

the fair value of any other assets that we manage for the funds, partnerships and accounts to which we provide investment management services, plus unused credit facilities,

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including capital commitments to such funds, partnerships and accounts for investments that may require pre-qualification before investment plus any other capital commitments to such funds, partnerships and accounts available for investment that are not otherwise included in the clauses above.

Our AUM measure includes Assets Under Management for which we charge either no or nominal fees. Our definition of AUM is not based on any definition of Assets Under Management contained in our operating agreement or in any of our Apollo fund management agreements. We consider multiple factors for determining what should be included in our definition of AUM. Such factors include but are not limited to (1) our ability to influence the investment decisions for existing and available assets; (2) our ability to generate income from the underlying assets in our funds; and (3) the AUM measures that we use internally or believe are used by other investment managers. Given the differences in the investment strategies and structures among other alternative investment managers, our calculation of AUM may differ from the calculations employed by other investment managers and, as a result, this measure may not be directly comparable to similar measures presented by other investment managers;

"Fee-Generating AUM" consists of assets we manage for the funds, partnerships and accounts to which we provide investment management services and on which we earn management fees, monitoring fees pursuant to management or other fee agreements on a basis that varies among the Apollo funds, partnerships and accounts we manage.

Management fees are normally based on "net asset value," "gross assets," "adjusted par asset value," "adjusted cost of all

unrealized portfolio investments," "capital commitments," "adjusted assets," "stockholders' equity," "invested capital" or "cap contributions," each as defined in the applicable management agreement. Monitoring fees, also referred to as advisory fees, with respect to the structured portfolio company investments of the funds, partnerships and accounts we manage, are generally based on the total value of such structured portfolio company investments, which normally includes leverage, less any portion of such total value that is already considered in Fee-Generating AUM.

- "Non-Fee-Generating AUM" consists of assets that do not produce management fees or monitoring fees. These assets generally consist of the following:
- (i) fair value above invested capital for those funds that earn management fees based on invested capital;
- (ii) net asset values related to general partner and co-investment ownership;
- (iii) unused credit facilities;
- (iv) available commitments on those funds that generate management fees on invested capital;
- (v) structured portfolio company investments that do not generate monitoring fees; and
- (vi) the difference between gross asset and net asset value for those funds that earn management fees based on net asset value.
- "Carry-Eligible AUM" refers to the AUM that may eventually produce carried interest income. All funds for which we are
- entitled to receive a carried interest income allocation are included in Carry-Eligible AUM, which consists of the following:
- (i) "Carry-Generating AUM" refers to funds' invested capital that is currently above its hurdle rate or preferred return, and the funds' profit is allocated to the general partner in accordance with the applicable limited partnership agreements or other governing agreements.
- (ii) "AUM Not Currently Generating Carry" refers to funds' invested capital that is currently below its hurdle rate or preferred return.
- "Uninvested Carry-Eligible AUM" refers to available capital for investment or reinvestment subject to the provisions of applicable limited partnership agreements or other governing agreements that are not currently part of the NAV or fair value of investments that may eventually produce carried interest income, which would be allocated to the general partner.
- "AUM with Future Management Fee Potential" refers to the committed uninvested capital portion of total AUM not currently earning management fees. The amount depends on the specific terms and conditions of each fund.

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We use Non-Fee-Generating AUM combined with Fee-Generating AUM as a performance measurement of our funds' investment activities, as well as to monitor fund size in relation to professional resource and infrastructure needs. Non-Fee-Generating AUM includes assets on which we could earn carried interest income;

"capital deployed" or "deployment" is the aggregate amount of capital that has been invested during a given period (which may, in certain cases, include leverage) by (i) our drawdown funds, (ii) SIAs that have a defined maturity date and (iii) funds and SIAs in our real estate debt strategy;

"drawdown" refers to commitment-based funds and certain SIAs in which investors make a commitment to provide capital at the formation of such funds and SIAs and deliver capital when called as investment opportunities become available. It includes assets of Athene Holding Ltd. ("Athene Holding") and its subsidiaries (collectively "Athene") managed by Athene Asset Management, L.P. ("Athene Asset Management") that are invested in commitment-based funds;

"inflows" represents (i) at the individual segment level, subscriptions, commitments, and other increases in available capital, such as acquisitions or leverage, net of inter-segment transfers, and (ii) on an aggregate basis, the sum of inflows across the private equity, credit and real estate segments;

"liquid/performing" includes CLOs and other performing credit vehicles, hedge fund style credit funds, structured credit funds and SIAs. It also includes sub-advised managed accounts owned by or related to Athene. Certain commitment-based SIAs are included as the underlying assets are liquid;

"Realized Value" refers to all cash investment proceeds received by the relevant Apollo fund, including interest and dividends, but does not give effect to management fees, expenses, incentive compensation or carried interest to be paid by such Apollo fund;

"Total Invested Capital" refers to the aggregate cash invested by the relevant Apollo fund and includes capitalized costs relating to investment activities, if any, but does not give effect to cash pending investment or available for reserves; "Total Value" represents the sum of the total Realized Value and Unrealized Value of investments;

"Unrealized Value" refers to the fair value consistent with valuations determined in accordance with generally accepted accounting principles in the United States of America ("U.S. GAAP"), for investments not yet realized and may include pay in kind, accrued interest and dividends receivable, if any. In addition, amounts include committed and funded amounts for certain investments;

"carried interest", "carried interest income" and "incentive income" refer to interests granted to Apollo by an Apollo fund that entitle Apollo to receive allocations, distributions or fees which are based on the performance of such fund or its underlying investments;

"Contributing Partners" refer to those of our partners and their related parties (other than our Managing Partners) who indirectly beneficially own (through Holdings) Apollo Operating Group units;

"gross IRR" of a private equity fund represents the cumulative investment-related cash flows in the fund itself (and not any one investor in the fund) on the basis of the actual timing of investment inflows and outflows (for unrealized investments assuming disposition on June 30, 2015 or other date specified) aggregated on a gross basis quarterly, and the return is annualized and compounded before management fees, carried interest and certain other fund expenses (including interest incurred by the fund itself) and measures the returns on the fund's investments as a whole without regard to whether all of the returns would, if distributed, be payable to the fund's investors;

"gross IRR" of a credit fund represents the annualized return of a fund based on the actual timing of all cumulative fund cash flows before management fees, carried interest income allocated to the general partner and certain other fund expenses. Calculations may include certain investors that do not pay fees. The terminal value is the net asset value as of the reporting date. Non-U.S. dollar denominated ("USD") fund cash flows and residual values are converted to USD using the spot rate as of the reporting date;

"gross IRR" of a real estate fund represents the cumulative investment-related cash flows in the fund itself (and not any one investor in the fund), on the basis of the actual timing of cash inflows and outflows (for unrealized investments assuming disposition on June 30, 2015 or other date specified) starting on the date that each investment closes, and the return is annualized and compounded before management fees, carried interest, and certain other fund expenses (including interest incurred by the fund itself) and measures the returns on the fund's investments as a whole without regard to whether all of the returns would, if distributed, be payable to the fund's investors. Non-USD fund cash flows

and residual values are converted to USD using the spot rate as of the reporting date;

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"gross return" of a credit or real estate fund is the monthly or quarterly time-weighted return that is equal to the percentage change in the value of a fund's portfolio, adjusted for all contributions and withdrawals (cash flows) before the effects of management fees, incentive fees allocated to the general partner, or other fees and expenses. Returns of Athene sub-advised portfolios and CLOs represent the gross returns on invested assets, which exclude cash. Returns over multiple periods are calculated by geometrically linking each period's return over time;

"Holdings" means AP Professional Holdings, L.P., a Cayman Islands exempted limited partnership through which our Managing Partners and Contributing Partners indirectly beneficially own their interests in the Apollo Operating Group units;

"Managing Partners" refer to Messrs. Leon Black, Joshua Harris and Marc Rowan collectively and, when used in reference to holdings of interests in Apollo or Holdings, includes certain related parties of such individuals; "net IRR" of a private equity fund means the gross IRR, including returns for related parties which may not pay fees or carried interest, net of management fees, certain fund expenses (including interest incurred by the fund itself) and realized carried interest all offset to the extent of interest income, and measures returns on amounts that, if distributed, would be paid to investors of the fund. To the extent that an Apollo private equity fund exceeds all requirements detailed within the applicable fund agreement, the estimated unrealized value is adjusted such that a percentage of up to 20.0% of the unrealized gain is allocated to the general partner of the fund, thereby reducing the balance attributable to fund investors. Net IRR does not represent the return to any fund investor;

"net IRR" of a credit fund represents the annualized return of a fund after management fees, carried interest income allocated to the general partner and certain other fund expenses, calculated on investors that pay such fees. The terminal value is the net asset value as of the reporting date. Non-USD fund cash flows and residual values are converted to USD using the spot rate as of the reporting date;

"net IRR" of a real estate fund represents the cumulative cash flows in the fund (and not any one investor in the fund), on the basis of the actual timing of cash inflows received from and outflows paid to investors of the fund (assuming the ending net asset value as of June 30, 2015 or other date specified is paid to investors), excluding certain non-fee and non-carry bearing parties, and the return is annualized and compounded after management fees, carried interest, and certain other expenses (including interest incurred by the fund itself) and measures the returns to investors of the fund as a whole. Non-USD fund cash flows and residual values are converted to USD using the spot rate as of the reporting date;

"net return" of a credit or real estate fund represents the gross return after management fees, incentive fees allocated to the general partner, or other fees and expenses. Returns of Athene sub-advised portfolios and CLOs represent the gross or net returns on invested assets, which exclude cash. Returns over multiple periods are calculated by geometrically linking each period's return over time;

"our manager" means AGM Management, LLC, a Delaware limited liability company that is controlled by our Managing Partners;

"Permanent Capital Vehicles" refers to (a) assets that are managed by Athene Asset Management, (b) assets that are owned by or related to MidCap FinCo Limited ("MidCap") and managed by Apollo Capital Management, L.P., and (c) assets of publicly traded vehicles managed by Apollo such as AP Alternative Assets, L.P. ("AAA"), Apollo Investment Corporation ("AINV"), Apollo Commercial Real Estate Finance, Inc. ("ARI"), Apollo Residential Mortgage, Inc. ("AMTG"), Apollo Tactical Income Fund Inc. ("AIF"), and Apollo Senior Floating Rate Fund Inc. ("AFT"), in each case that do not have redemption provisions or a requirement to return capital to investors upon exiting the investments made with such capital, except as required by applicable law. The investment management arrangements of AINV, AIF and AFT have one year terms, are reviewed annually and remain in effect only if approved by the boards of directors of such companies or by the affirmative vote of the holders of a majority of the outstanding voting shares of such companies, including in either case, approval by a majority of the directors who are not "interested persons" as defined in the Investment Company Act of 1940. In addition, the investment management arrangements of AINV, AIF and AFT may be terminated in certain circumstances upon 60 days' written notice. The investment management arrangement of ARI and AMTG have one year terms and are reviewed annually by each company's board of directors and may be terminated under certain circumstances by an affirmative vote of at least two-thirds of such company's independent directors. The investment management, arrangement, arrangement, and Apollo Capital Management,

L.P. and Athene and Athene Asset Management may also be terminated under certain circumstances; "private equity investments" refer to (i) direct or indirect investments in existing and future private equity funds managed or sponsored by Apollo, (ii) direct or indirect co-investments with existing and future private equity funds managed or sponsored by Apollo, (iii) direct or indirect investments in securities which are not immediately capable of resale in a public market that Apollo identifies but does not pursue through its private equity funds, and (iv) investments of the type described in (i) through (iii) above made by Apollo funds;

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"Strategic Investors" refer to the California Public Employees' Retirement System, or "CalPERS," and an affiliate of the Abu Dhabi Investment Authority, or "ADIA"; and

"traditional private equity fund appreciation (depreciation)" refers to gain (loss) and income for the traditional private equity funds (i.e., Funds I-VIII, each as defined in the notes to the condensed consolidated financial statements) for the periods presented on a total return basis before giving effect to fees and expenses. The performance percentage is determined by dividing (a) the change in the fair value of investments over the period presented, minus the change in invested capital over the period presented, plus the realized income for the period presented, by (b) the beginning unrealized value for the period presented plus the change in invested capital for the period presented.

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# APOLLO GLOBAL MANAGEMENT, LLC

CONDENSED CONSOLIDATED STATEMENTS OF FINANCIAL CONDITION (UNAUDITED)

JUNE 30, 2015 AND DECEMBER 31, 2014

(dollars in thousands, except share data)

	June 30, 2015	December 31, 2014
Assets:	2013	2011
Cash and cash equivalents	\$837,999	\$1,204,052
Cash and cash equivalents held at consolidated funds	2,126	1,611
Restricted cash	6,397	6,353
Investments	973,835	2,880,006
Assets of consolidated variable interest entities:	,	,,
Cash and cash equivalents	81,516	1,088,952
Investments, at fair value	954,290	15,658,653
Other assets	52,190	323,240
Carried interest receivable	856,613	911,666
Due from affiliates	260,755	268,015
Fixed assets, net	34,813	35,906
Deferred tax assets	610,429	606,717
Other assets	97,096	84,384
Goodwill	88,852	49,243
Intangible assets, net	44,789	60,039
Total Assets	\$4,901,700	\$23,178,837
Liabilities and Shareholders' Equity	Ψ 1,5 0 1,7 0 0	Ψ20,170,007
Liabilities:		
Accounts payable and accrued expenses	\$50,811	\$44,246
Accrued compensation and benefits	95,437	59,278
Deferred revenue	175,358	199,614
Due to affiliates	525,989	565,153
Profit sharing payable	432,173	434,852
Debt	1,031,288	1,034,014
Liabilities of consolidated variable interest entities:	,	, ,
Debt, at fair value	831,472	14,123,100
Other liabilities	111,393	728,718
Other liabilities	48,819	46,401
Total Liabilities	3,302,740	17,235,376
Commitments and Contingencies (see note 13)	,	, ,
Shareholders' Equity:		
Apollo Global Management, LLC shareholders' equity:		
Class A shares, no par value, unlimited shares authorized, 172,188,169 and		
163,046,554 shares issued and outstanding at June 30, 2015 and December 31, 2014,		
respectively		
Class B shares, no par value, unlimited shares authorized, 1 share issued and		
outstanding at June 30, 2015 and December 31, 2014		_
Additional paid in capital	2,084,942	2,254,283
Accumulated deficit	(1,342,133	) (1,400,661 )
Appropriated partners' capital	2,555	933,166
Accumulated other comprehensive loss	(5,609	) (306 )
Total Apollo Global Management, LLC shareholders' equity	739,755	1,786,482

Non-Controlling Interests in consolidated entities	87,264	3,222,195
Non-Controlling Interests in Apollo Operating Group	771,941	934,784
Total Shareholders' Equity	1,598,960	5,943,461
Total Liabilities and Shareholders' Equity	\$4,901,700	\$23,178,837
See accompanying notes to condensed consolidated financial statements.		

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# APOLLO GLOBAL MANAGEMENT, LLC CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED) THREE AND SIX MONTHS ENDED JUNE 30, 2015 AND 2014 (dollars in thousands, except share data)

	Three Months June 30,	Ended	Six Months En June 30,	nded
	2015	2014	2015	2014
Revenues:				
Advisory and transaction fees from affiliates, net	\$15,450	\$60,786	\$24,993	\$176,851
Management fees from affiliates	230,584	226,420	455,473	436,211
Carried interest income from affiliates	105,693	284,946	174,285	450,490
Total Revenues	351,727	572,152	654,751	1,063,552
Expenses:				
Compensation and benefits:				
Salary, bonus and benefits	88,870	89,832	176,503	170,362
Equity-based compensation	22,279	28,711	42,382	87,689
Profit sharing expense	61,635	160,778	110,264	264,737
Total Compensation and Benefits	172,784	279,321	329,149	522,788
Interest expense	7,485	4,524	14,925	7,638
General, administrative and other	21,556	25,291	44,327	49,969
Professional fees	19,725	20,211	34,689	39,663
Occupancy	10,131	10,418	20,089	20,321
Placement fees	1,665	3,489	3,185	5,275
Depreciation and amortization	11,193	11,115	22,171	22,834
Total Expenses	244,539	354,369	468,535	668,488
Other Income:				
Net gains (losses) from investment activities	24,424	(9,534	26,542	213,874
Net gains from investment activities of consolidated	£ 000	12 125	7 120	01.160
variable interest entities	5,800	43,425	7,128	91,160
Income from equity method investments	17,119	30,701	16,058	53,611
Interest income	860	2,726	1,585	6,054
Other income, net	1,775	2,238	6,649	19,769
Total Other Income	49,978	69,556	57,962	384,468
Income before income tax provision	157,166	287,339	244,178	779,532
Income tax provision	(9,092	(35,037	) (14,606	(67,586)
Net Income	148,074	252,302	229,572	711,946
Net income attributable to Non-controlling Interests	(91,646			(568,109)
Net Income Attributable to Apollo Global Management,	Φ56.400	Φ <b>71</b> ((0)	Φ07.255	¢142.027
LLC	\$56,428	\$71,668	\$87,355	\$143,837
Distributions Declared per Class A Share	\$0.33	\$0.84	\$1.19	\$1.92
Net Income Per Class A Share:				
Net Income Available to Class A Share – Basic	\$0.30	\$0.33	\$0.40	\$0.64
Net Income Available to Class A Share – Diluted	\$0.30	\$0.33	\$0.40	\$0.64
Weighted Average Number of Class A Shares	170 /21 /20	150 050 407	169 100 114	150 229 405
Outstanding – Basic	170,431,430	152,852,427	168,190,114	150,328,495
Weighted Average Number of Class A Shares	170,431,430	152,852,427	168,190,114	150,328,495
Outstanding – Diluted	170,431,430	152,052,721	100,170,114	150,520,775

See accompanying notes to condensed consolidated financial statements.

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APOLLO GLOBAL MANAGEMENT, LLC CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (UNAUDITED) THREE AND SIX MONTHS ENDED JUNE 30, 2015 AND 2014 (dollars in thousands, except share data)

	Three Months Ended			Six Months Ended			ded	
	June 30,			June 30,				
	2015		2014		2015		2014	
Net Income	\$148,074		\$252,302		\$229,572		\$711,946	
Other Comprehensive Loss, net of tax:								
Allocation of currency translation adjustment of								
consolidated CLOs and fund entities (net of taxes of								
(\$0.2) million and \$0.6 million for Apollo Global	(684	)	_		(10,891	)	_	
Management, LLC for the three and six months ended								
June 30, 2015, respectively								
Net gain (loss) from change in fair value of cash flow	26		(1,043	`	52		(1,043	`
hedge instruments	20		(1,043	,	32		(1,043	,
Net loss on available-for-sale securities (from equity	(68	`			(214	)	(4	`
method investment)	(00	)			(214	)	(4	,
Total Other Comprehensive Loss, net of tax	(726	)	(1,043	)	(11,053	)	(1,047	)
Comprehensive Income	147,348		251,259		218,519		710,899	
Comprehensive Income attributable to Non-Controlling	(88,518	`	(146 166	`	(133,912	`	(500 010	`
Interests	(88,318	)	(146,166	)	(155,912	)	(508,818	)
Comprehensive Income Attributable to Apollo Global	¢ 50 020		¢ 105 002		¢ 9.4.607		¢202 001	
Management, LLC	\$58,830		\$105,093		\$84,607		\$202,081	

See accompanying notes to condensed consolidated financial statements.

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APOLLO GLOBAL MANAGEMENT, LLC CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY (UNAUDITED) SIX MONTHS ENDED JUNE 30, 2015 AND 2014 (dollars in thousands, except share data)

Apollo Global Management, LLC Shareholders

	1								
	Class A Shares	Additional Class B. Paid in Shares Capital	Accumulated Deficit	Appropriated Partners' Capital	Accumula Other Compreh Loss	Total Apollo ated Global Management ensive LLC Shareholders Equity		Non- Controlling Interests in Apollo Operating Group	
Balance at January 1, 2014 Dilution impact	146,280,784	1 \$2,624,582	\$(1,568,487)	\$1,581,079	\$95	\$2,637,269	\$2,669,730	\$1,381,723	
of issuance of Class A shares Capital increase	_	3,184	_	_	_	3,184	_	_	
related to equity-based compensation	_	<b>—</b> 72,590	_	_	_	72,590	_	_	,
Capital contributions	_		_	135,356		135,356	432,804	_	
Distributions Distributions	_	<b>—</b> (337,282 )	_	(370,662)	_	(707,944 )	(172,895 )	(513,741	)
related to deliveries of Class A shares for RSUs		<b>—</b> 7,108	(594)	_	_	6,514	_	_	•
Purchase of AAA shares Net transfers of AAA ownership	·		_	_	_	_	(312 )	_	
interest to (from) Non-Controlling Interests in consolidated entities	_	—(3,423 )	_	_	_	(3,423 )	3,423	_	-
Satisfaction of liability related to AAA RDUs	_	—1,183	_	_	_	1,183	_	_	
Exchange of AOG Units for	6,218,121	-45,173	_	_	_	45,173	_	(34,355	)
Class A shares Net income	_	<del></del>	143,837	59,291	_	203,128	201,723	307,095	,
Change in cash flow hedge instruments	_		_	_	(1,043 )	(1,043 )	_	_	

Net loss on available-for-sale									
securities (from	_	<del></del>		_	(4	) (4	) —	_	
equity method investment)									
Balance at June									
30, 2014	156,296,748	1 \$2,413,115	\$(1,425,244	\$1,405,064	\$(952	) \$2,391,98	3 \$3,134,473	\$ 1,140,722	2
Balance at	162.046.554	1 00 054 000	Φ (1 400 CC1	ν Φροο 166	Φ (20)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	o	<b>Φ024 7</b> 04	
January 1, 2015	163,046,554	1 \$2,254,283	\$(1,400,661	) \$933,166	\$(306	\$1,786,48	2 \$3,222,195	\$934,784	
Cumulative effec	t								
adjustment from									
adoption of	<del></del>	<b>—</b> 1,771	(3,350	) (933,166	) —	(934,745	) (3,134,518	) —	
accounting									
principles									
Dilution impact		1.020				1.020			
of issuance of		—1,839	_			1,839	_		
Class A shares Capital increase									
related to									
equity-based	_	-33,593	_	_	_	33,593	_	_	
compensation									
Capital									
contributions	_		_	_		_	5,338	_	
Distributions		<b>—</b> (221,443 )				(221,443	) (8,474	) (286,489	)
Distributions									
related to									
deliveries of	7,099,114	-4,856	(25,477	) —		(20,621	) —		
Class A shares for	or 7,000,1114	1,030	(23,477	,		(20,021	,		
RSUs and									
restricted shares									
Exchange of AOG Units for	2.042.501	10,043				10.042		(7.542	`
Class A shares	2,042,501	-10,043	_	<del></del>		10,043	<del></del>	(7,543	)
Net income			87,355	2,555		89,910	8,502	131,160	
Allocation of			07,333	2,333		07,710	0,502	131,100	
currency									
translation									
adjustment of	_		_	_	(5,112	) (5,112	) (5,779	) —	
consolidated									
CLOs and fund									
entities									
Change in cash								•	
flow hedge	_		_		23	23	_	29	
instruments									
Net loss on available-for-sale									
securities (from					(214	) (214	) —		
equity method					(217	) (214	<i>)</i> —		
investment)									
Balance at June	170 100 160	1 00 004 046	Φ (1.2.42.122	Φ 2 5 5 5	Φ./F. < 0.00°	Φ720 755	<b>407.064</b>	ф <b>л</b> д 1 О 4 1	
30, 2015	1/2,188,169	1 \$2,084,942	\$(1,342,133	) \$2,555	\$(5,609)	\$739,755	\$87,264	\$771,941	

See accompanying notes to condensed consolidated financial statements.

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# APOLLO GLOBAL MANAGEMENT, LLC CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) SIX MONTHS ENDED JUNE 30, 2015 AND 2014 (dollars in thousands, except share data)

(dollars in thousands, except share data)			
	2015	2014	
Cash Flows from Operating Activities:			
Net income	\$229,572	\$711,946	
Adjustments to reconcile net income to net cash provided by operating activities:			
Equity-based compensation	42,382	87,689	
Depreciation and amortization	22,171	22,834	
Unrealized gains from investment activities	(27,008	) (8,833	)
Cash distributions of earnings from equity method investments	15,647	29,878	
Income from equity method investments	(16,058	) (53,611	)
Excess tax benefits from share-based payment arrangements		(7,108	)
Deferred taxes, net	12,563	19,687	
Other non-cash amounts included in net income, net	(20,322	) (23,466	)
Changes in assets and liabilities:			
Carried interest receivable	90,591	299,002	
Due from affiliates	(18,242	) (119,833	)
Other assets	(2,237	) (14,697	)
Accounts payable and accrued expenses	6,968	30,308	,
Accrued compensation and benefits	32,279	43,763	
Deferred revenue	(24,256	) (6,752	)
Due to affiliates	(25,023	) (70,636	)
Profit sharing payable	479	(8,028	)
Other liabilities	(337	) 4,134	
Apollo Funds related:	(	, , -	
Net realized gains from investment activities	(4,174	) (16,876	)
Net unrealized gains from investment activities	(6,396	) (214,042	)
Net realized gains on debt	<del></del>	(357	ĺ
Net unrealized losses on debt	6,929	6,528	,
Change in cash held at consolidated variable interest entities	232,160	(94,208	)
Purchases of investments	(324,845	) (4,348,386	)
Proceeds from sale of investments and liquidating distributions	185,683	4,796,355	
Change in other assets	(12,176	) (164,987	)
Change in other liabilities	(85,822	) 37,008	
Net Cash Provided by Operating Activities	\$310,528	\$937,312	
Cash Flows from Investing Activities:	,,-	1 7-	
Purchases of fixed assets	\$(4,230	) \$(2,710	)
Proceeds from disposals of fixed assets		13	
Cash contributions to equity method investments	(93,927	) (71,563	)
Cash distributions from equity method investments	23,933	27,560	
Change in restricted cash	(44	) 1,553	
Issuance of employee loans	(25,000	) —	
Other investing activities	679	<u> </u>	
Net Cash Used in Investing Activities	\$(98,589	) \$(45,147	)
Cash Flows from Financing Activities:	+ (> =,0 =>	, +(,,	,
Principal repayments of debt	<b>\$</b> —	\$(250,000	)
Issuance of debt	<del></del>	499,008	,
200000000000000000000000000000000000000		1,7,000	

Issuance costs Net loss related to cash flow hedge instruments Satisfaction of tax receivable agreement Satisfaction of contingent obligations Purchases of equity securities Distributions related to deliveries of Class A shares for RSUs Distributions paid to Non-Controlling Interests in consolidated entities Contributions from Non-Controlling Interests in consolidated entities Distributions paid Distributions paid to Non-Controlling Interests in Apollo Operating Group Excess tax benefits from share-based payment arrangements Apollo Funds related: Issuance of debt	— (48,420 (9,719 (3,028 (25,477 (5,609 58 (201,208 (286,489 —	)	(5,478 (1,052 (32,032 (25,083 — (594 (8,023 2,040 (303,591 (513,741 7,108	) ) ) ) ) )
Principal repayment of debt Purchase of AAA units Distributions paid Distributions paid to Non-Controlling Interests in consolidated variable interest			1,168,967 (1,418,961 (312 (360,905	)
entities	(2,865	)	(19,414	)
Contributions from Non-Controlling Interests in consolidated variable interest entities. Net Cash Used in Financing Activities Net Increase (Decrease) in Cash and Cash Equivalents Cash and Cash Equivalents, Beginning of Period Cash and Cash Equivalents, End of Period Supplemental Disclosure of Cash Flow Information:	\$5,280 \$(577,477 (365,538 1,205,663 \$840,125		386,007 \$(876,056 16,109 1,079,537 \$1,095,646	)
Interest paid Interest paid by consolidated variable interest entities Income taxes paid Supplemental Disclosure of Non-Cash Investing Activities:	\$15,928 5,723 4,594		\$6,865 76,856 23,266	
Non-cash contributions to equity method investments Non-cash distributions from equity method investments	\$32,810 (4,229	)	\$— (2,966	)
Supplemental Disclosure of Non-Cash Financing Activities:	¢ (20, 225	`	¢ (22 CO1	`
Declared and unpaid distributions  Non-cash distributions from Non-Controlling Interests in consolidated entities from	\$(20,235 —	)	\$(33,691 (135,357	)
Appropriated Partners' Capital Non-cash contributions from Non-Controlling Interests in consolidated entities from Appropriated Partners' Capital	_		9,757	
Capital increases related to equity-based compensation Other non-cash financing activities Adjustments related to exchange of Apollo Operating Group units:	33,593 1,801		72,590 4,363	
Deferred tax assets Due to affiliates Additional paid in capital Non-Controlling Interest in Apollo Operating Group Net Assets Deconsolidated from Consolidated Variable Interest Entities and Funds:	\$13,978 (11,479 (2,500 7,543		\$58,696 (47,878 (10,818 34,355	)
Cash and cash equivalents Investments, at fair value Other Assets Debt, at fair value Other liabilities Non-Controlling Interests in consolidated entities Appropriated partners' capital	\$760,491 16,930,227 280,428 (13,229,570 (529,080 (3,134,518 (929,708	) ) )	\$— — — — —	

See accompanying notes to condensed consolidated financial statements.

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APOLLO GLOBAL MANAGEMENT, LLC
NOTES TO CONDENSED CONSOLIDATED
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(dollars in thousands, except share data, except where noted)

#### 1. ORGANIZATION AND BASIS OF PRESENTATION

Apollo Global Management, LLC (together with its consolidated subsidiaries, the "Company" or "Apollo") is a global alternative investment manager whose predecessor was founded in 1990. Its primary business is to raise, invest and manage private equity, credit and real estate funds as well as strategic investment accounts ("SIAs"), on behalf of pension, endowment and sovereign wealth funds, as well as other institutional and individual investors. For these investment management services, Apollo receives management fees generally related to the amount of assets managed, transaction and advisory fees and carried interest income related to the performance of the respective funds that it manages. Apollo has three primary business segments:

Private equity—primarily invests in control equity and related debt instruments, convertible securities and distressed debt investments;

Credit—primarily invests in non-control corporate and structured debt instruments; and

Real estate—primarily invests in real estate equity for the acquisition and recapitalization of real estate assets, portfolios, platforms and operating companies, and real estate debt including first mortgage and mezzanine loans, preferred equity and commercial mortgage backed securities.

**Basis of Presentation** 

The accompanying unaudited condensed consolidated financial statements are prepared in accordance with U.S. GAAP for interim financial information and instructions to the Quarterly Report on Form 10-Q. The condensed consolidated financial statements and these notes are unaudited and exclude some of the disclosures required in annual financial statements. Management believes it has made all necessary adjustments (consisting only of normal recurring items) so that the condensed consolidated financial statements are presented fairly and that estimates made in preparing its condensed consolidated financial statements are reasonable and prudent. The operating results presented for interim periods are not necessarily indicative of the results that may be expected for any other interim period or for the entire year. The condensed consolidated financial statements include the accounts of the Company, its wholly-owned or majority-owned subsidiaries, the consolidated entities which are considered to be variable interest entities ("VIEs") and for which the Company is considered the primary beneficiary, and certain entities which are not considered VIEs but which the Company controls through a majority voting interest. Intercompany accounts and transactions have been eliminated upon consolidation. These condensed consolidated financial statements should be read in conjunction with the consolidated financial statements of the Company for the year ended December 31, 2014 included in the 2014 Annual Report.

Certain reclassifications, when applicable, have been made to the prior period's condensed consolidated financial statements and notes to conform to the current period's presentation and are disclosed accordingly.

#### Organization of the Company

The Company was formed as a Delaware limited liability company on July 3, 2007 and completed a reorganization of its predecessor businesses on July 13, 2007 (the "2007 Reorganization"). The Company is managed and operated by its manager, AGM Management, LLC, which in turn is indirectly wholly-owned and controlled by Leon Black, Joshua Harris and Marc Rowan (the "Managing Partners").

As of June 30, 2015, the Company owned, through four intermediate holding companies that include APO Corp., a Delaware corporation that is a domestic corporation for U.S. federal income tax purposes, APO Asset Co., LLC, a Delaware limited liability company that is a disregarded entity for U.S. federal income tax purposes, APO (FC), LLC, an Anguilla limited liability company that is treated as a corporation for U.S. federal income tax purposes and APO (FC II), LLC, an Anguilla limited liability company that is treated as a corporation for U.S. federal income tax purposes (collectively, the "Intermediate Holding Companies"), 43.8% of the economic interests of, and operated and controlled all of the businesses and affairs of, the Apollo Operating Group through its wholly-owned subsidiaries.

AP Professional Holdings, L.P., a Cayman Islands exempted limited partnership ("Holdings"), is the entity through which the Managing Partners and certain of the Company's other partners (the "Contributing Partners") indirectly beneficially own interests in each of the partnerships that comprise the Apollo Operating Group ("AOG Units"). As of June 30, 2015, Holdings owned the remaining 56.2% of the economic interests in the Apollo Operating Group. The Company consolidates the financial results of the Apollo Operating Group and its consolidated subsidiaries. Holdings' ownership interest in the Apollo Operating Group is reflected as a Non-Controlling Interest in the accompanying condensed consolidated financial statements.

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Pursuant to an exchange agreement between Apollo, Holdings and the other parties thereto (as amended, the "Exchange Agreement"), the holders of the AOG Units (and certain permitted transferees thereof) may, upon notice and subject to the applicable vesting and minimum retained ownership requirements, transfer restrictions and other terms of the Exchange Agreement, exchange their AOG Units for the Company's Class A shares on a one-for-one basis a limited number of times each year, subject to customary conversion rate adjustments for splits, distributions and reclassifications. Pursuant to the Exchange Agreement, a holder of AOG Units must simultaneously exchange one partnership unit in each of the Apollo Operating Group partnerships to effectuate an exchange for one Class A share. As a holder exchanges its AOG Units, the Company's indirect interest in the Apollo Operating Group is correspondingly increased.

#### Venator Acquisition

On May 5, 2015, the Company acquired 100% of the assets and liabilities of Venator Real Estate Capital Partners (Hong Kong) Limited and its wholly-owned subsidiary, Venator Investment Management Consulting (Shanghai) Limited (together referred to as "Venator"), in exchange for restricted shares of Apollo Global Management, LLC. The acquisition provides the Company's real estate segment with additional real estate investment management and related service capabilities in Asia. The transaction was accounted for as a business combination. Identifiable assets with a combined fair value of \$3.0 million were acquired and liabilities with a combined fair value of \$2.1 million were assumed, resulting in a bargain purchase gain of \$0.9 million as of the acquisition date, which was recorded in other income, net in the condensed consolidated statement of operations.

#### 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Principles of Consolidation—The types of entities with which Apollo is involved generally include subsidiaries (e.g., general partners and management companies related to the funds the Company manages), entities that have all the attributes of an investment company (e.g., funds) and securitization vehicles (e.g., collateralized loan obligations). Each of these entities is assessed for consolidation on a case by case basis depending on the specific facts and circumstances surrounding that entity.

In February 2015, the Financial Accounting Standards Board ("FASB") issued new consolidation guidance which changes the analysis that a reporting entity must perform to determine whether it should consolidate certain types of legal entities. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early adoption is permitted, including adoption in an interim period, and adjustments should be reflected as of the beginning of the fiscal year that includes that interim period. The Company has elected to adopt this new guidance using the modified retrospective method, which results in an effective date of adoption of January 1, 2015. Restatement of prior period results is not required. Amounts presented for the three and six months ended June 30, 2015 in the condensed consolidated statements of operations have reflected the adoption of this accounting guidance as of January 1, 2015.

Pursuant to the new consolidation guidance, the Company first evaluates whether it holds a variable interest in an entity. Fees that are customary and commensurate with the level of services provided, and where the Company doesn't hold other economic interests in the entity that would absorb more than an insignificant amount of the expected losses or returns of the entity, would not be considered a variable interest. Apollo factors in all economic interests including proportionate interests through related parties, to determine if fees are considered a variable interest. As Apollo's interests in many of these entities are solely through carried interests, performance fees, and/or insignificant indirect interests through related parties, Apollo is not considered to have a variable interest in many of these entities under the new guidance and no further consolidation analysis is performed. Prior to adoption of the new consolidation guidance, fees received by the Company for investment management services (e.g. carried interests and performance fees) were considered variable interests. For the remaining entities where the Company has determined that it does hold a variable interest, the Company performs an assessment to determine whether each of those entities qualify as a

variable interest entity ("VIE").

An entity is considered a VIE if any one of the following conditions exist: (a) the total equity investment at risk is not sufficient to permit the legal entity to finance its activities without additional subordinated financial support, (b) the holders of equity investment at risk (as a group) lack either the direct or indirect ability through voting rights or similar rights to make decisions about a legal entity's activities that have a significant effect on the success of the legal entity or the obligation to absorb the expected losses or right to receive the expected residual returns, or (c) the voting rights of some investors are disproportionate to their obligation to absorb the expected losses of the legal entity, their rights to receive the expected residual returns of the legal entity, or both and substantially all of the legal entity's activities either involve or are conducted on behalf of an investor with disproportionately few voting rights. Under the new guidance, for limited partnerships and other similar entities, unaffiliated investors must be granted rights to either dissolve the fund or remove the general partner ("kick-out rights") in order to not qualify as a VIE under condition (b) above. Entities that do not qualify as VIEs are generally assessed for consolidation as voting interest entities ("VOEs") under the voting interest model.

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Under the voting interest model, Apollo consolidates those entities it controls through a majority voting interest. Apollo does not consolidate those VOEs in which substantive kick-out rights have been granted to the unaffiliated investors to either dissolve the fund or remove the general partner.

As previously indicated, the consolidation assessment, including the determination as to whether an entity qualifies as a VIE depends on the facts and circumstances surrounding each entity and therefore certain of Apollo's funds may qualify as VIEs whereas others may qualify as VOEs. The granting of substantive kick-out rights is a key consideration in determining whether a limited partnership or similar entity is a VIE and whether or not that entity should be consolidated. For example, when the unaffiliated holders of equity investment at risk of a fund (assumed to be limited partnerships or similar entities) with sufficient equity to permit the fund to finance its activities without additional subordinated financial support are not granted substantive kick-out rights the fund is determined to be a VIE. Alternatively, when the unaffiliated holders of equity investment at risk are granted substantive kick-out rights, the fund is generally determined to be a VOE. Prior to adoption of the new guidance, in certain cases where the Company held a substantive equity investment at risk in the fund, the fund may be determined to be a VOE even though substantive kick-out rights were not granted to the unaffiliated holders of equity investment at risk. Under the new guidance for limited partnerships or similar entities, unaffiliated investors must have kick-out rights to be considered a VOE.

If the entity is determined to be a VIE under the conditions above, the Company assesses whether the entity should be consolidated by determining if Apollo is the primary beneficiary of the entity. Prior to adoption of the new consolidation guidance, this analysis differed depending on the type of VIE being assessed and which consolidation model was applied. For VIEs that qualified for the deferral of the then amended consolidation rules (i.e. investment company entities), it was determined that Apollo was determined to be the primary beneficiary when its interests, through holding interests directly or indirectly in the VIE or contractually through other variable interests (e.g., carried interest and performance fees), would be expected to absorb a majority of the VIE's expected losses, receive a majority of the VIE's expected residual returns, or both. In cases where two or more Apollo related parties held a variable interest in a VIE, and the aggregate variable interest held by those parties would, if held by a single party, identify that party as the primary beneficiary, then the Company was determined to be the primary beneficiary to the extent it was the party within the related party group that was most closely associated with the VIE.

For VIEs that did not qualify for the deferral, such as Apollo's CLOs which applied the then amended consolidation rules, the Company was determined to be the primary beneficiary if it held a controlling financial interest defined as possessing both (a) the power to direct the activities of a VIE that most significantly impact the VIE's economic performance and (b) the obligation to absorb losses of the VIE or the right to receive benefits from the VIE that could potentially be significant to the VIE. Under the new guidance, for all VIEs including investment company entities that previously met the deferral requirements, the Company is only determined to be the Primary Beneficiary when it has a controlling financial interest as defined above. Prior to adoption of the new guidance, when Apollo alone was not considered to have a controlling financial interest but Apollo and its related parties on an aggregate basis did have a controlling financial interest, an analysis regarding which party was most closely associated with the VIE was performed. Under the new guidance, determining which party is more closely associated with an entity is only performed when the related party group that has a controlling financial interest, shares power or is under common control. When the related party group holding a controlling financial interest is not under common control, then Apollo would only be deemed to be the primary beneficiary if substantially all the activities of the entity are performed on behalf of Apollo.

Apollo continues to determine whether it is the primary beneficiary of a VIE at the time it becomes initially involved with the VIE and reconsiders that conclusion continuously. Investments and redemptions (either by Apollo, affiliates of Apollo or third parties) or amendments to the governing documents of the respective entity may affect an entity's status as a VIE or the determination of the primary beneficiary.

The assessment of whether an entity is a VIE and the determination of whether Apollo should consolidate such VIE requires judgments. Under both the previous and the new guidance, those judgments include, but are not limited to: (i) determining whether the total equity investment at risk is sufficient to permit the entity to finance its activities without additional subordinated financial support, (ii) evaluating whether the holders of equity investment at risk, as a group, can make decisions that have a significant effect on the success of the entity, (iii) determining whether the equity investors have proportionate voting rights to their obligations to absorb losses or rights to receive the expected residual returns from an entity, and (iv) evaluating the nature of the relationship and activities of the parties involved in determining which party within a related-party group (only for those related parties with shared power or under common control under the new guidance) is most closely associated with the VIE. Judgments are also made in determining whether a member in the equity group has a controlling financial interest including power to direct activities that most significantly impact the VIEs' economic performance and rights to receive benefits or obligations to absorb losses that could be potentially significant to the VIE. This analysis includes interests through related parties. Prior to adoption,

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where the VIEs had qualified for the deferral, judgments were made in estimating cash flows to evaluate which member within the equity group absorbed a majority of the expected losses or residual returns of the VIE. Assets and liabilities of the consolidated VIEs are shown in separate sections within the condensed consolidated statements of financial condition as of June 30, 2015 and December 31, 2014.

For additional disclosures regarding VIEs, see note 4. Intercompany transactions and balances, if any, have been eliminated in consolidation.

Equity Method Investments—For investments in entities over which the Company exercises significant influence but which do not meet the requirements for consolidation, the Company uses the equity method of accounting, whereby the Company records its share of the underlying income or loss of such entities. The carrying amounts of equity method investments are reflected in investments in the condensed consolidated statements of financial condition. As the underlying entities that the Company manages and invests in are, for U.S. GAAP purposes, primarily investment companies which reflect their investments at estimated fair value, the carrying value of the Company's equity method investments in such entities approximates fair value.

Non-Controlling Interests—For entities that are consolidated, but not 100% owned, a portion of the income or loss and corresponding equity is allocated to owners other than Apollo. The aggregate of the income or loss and corresponding equity that is not owned by the Company is included in Non-Controlling Interests in the condensed consolidated financial statements. As of June 30, 2015, the Non-Controlling Interests relating to Apollo Global Management, LLC primarily include the ownership interest in the Apollo Operating Group held by the Managing Partners and Contributing Partners through their limited partner interests in Holdings and other ownership interests in consolidated entities. Non-Controlling Interests also include limited partner interests of Apollo managed funds in certain consolidated VIEs.

Non-Controlling Interests are presented as a separate component of shareholders' equity on the Company's condensed consolidated statements of financial condition. The primary components of Non-Controlling Interests are separately presented in the Company's condensed consolidated statements of changes in shareholders' equity to clearly distinguish the interest in the Apollo Operating Group and other ownership interests in the consolidated entities. Net income (loss) includes the net income (loss) attributable to the holders of Non-Controlling Interests on the Company's condensed consolidated statements of operations. Profits and losses are allocated to Non-Controlling Interests in proportion to their relative ownership interests regardless of their basis.

Revenues—Revenues are reported in three separate categories that include (i) advisory and transaction fees from affiliates, net, which relate to the investments of the funds and may include individual monitoring agreements the Company has with the portfolio companies and debt investment vehicles of the private equity funds and credit funds; (ii) management fees from affiliates, which are based on committed capital, invested capital, net asset value, gross assets or as otherwise defined in the respective agreements; and (iii) carried interest income (loss) from affiliates, which is normally based on the performance of the funds subject to preferred return.

Advisory and Transaction Fees from Affiliates, Net—Advisory and transaction fees, including directors' fees, are recognized when the underlying services rendered are substantially completed in accordance with the terms of the transaction and advisory agreements. Additionally, during the normal course of business, the Company incurs certain costs related to certain transactions that are not consummated ("broken deal costs"). These costs (e.g., research costs, due diligence costs, professional fees, legal fees and other related items) are determined to be broken deal costs upon management's decision to no longer pursue the transaction. In accordance with the related fund agreement, in the event the deal is deemed broken, all of the costs are reimbursed by the funds and then included as a component of the calculation of the Management Fee Offset described below. If a deal is successfully completed, Apollo is reimbursed by the fund or fund's portfolio company for all costs incurred and no offset is generated. As the Company acts as an agent for the funds it manages, any transaction costs incurred and paid by the Company on behalf of the respective funds relating to successful or broken deals are presented net on the Company's condensed consolidated statements of

operations, and any receivable from the respective funds is presented in due from affiliates on the condensed consolidated statements of financial condition.

Advisory and transaction fees from affiliates, net, also includes underwriting fees. Underwriting fees include gains, losses and fees, net of syndicate expenses, arising from securities offerings in which one of the Company's subsidiaries participates in the underwriter syndicate. Underwriting fees are recognized at the time the underwriting is completed and the income is reasonably assured and are included in the condensed consolidated statements of operations. Underwriting fees recognized but not received are included in other assets on the condensed consolidated statements of financial condition.

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As a result of providing advisory services to certain private equity and credit portfolio companies, Apollo is generally entitled to receive fees for transactions related to the acquisition, in certain cases, and disposition of portfolio companies as well as ongoing monitoring of portfolio company operations and directors' fees. The amounts due from portfolio companies are included in due from affiliates, which is discussed further in note 12. Under the terms of the limited partnership agreements for certain funds, the management fee payable by the funds may be subject to a reduction based on a certain percentage of such advisory and transaction fees, net of applicable broken deal costs ("Management Fee Offset"). Advisory and transaction fees from affiliates are presented net of the Management Fee Offset in the condensed consolidated statements of operations.

Management Fees from Affiliates—Management fees for private equity, credit, and real estate funds are recognized in the period during which the related services are performed in accordance with the contractual terms of the related agreement, and are generally based upon (1) a percentage of the capital committed during the commitment period, and thereafter based on the remaining invested capital of unrealized investments, or (2) net asset value, gross assets or as otherwise defined in the respective agreements.

Carried Interest Income from Affiliates—Apollo is entitled to an incentive return that can normally amount to as much as 20% of the total returns on a fund's capital, depending upon performance. Performance-based fees are assessed as a percentage of the investment performance of the funds. The carried interest income from affiliates for any period is based upon an assumed liquidation of the fund's net assets on the reporting date, and distribution of the net proceeds in accordance with the fund's income allocation provisions. Carried interest receivable is presented separately in the condensed consolidated statements of financial condition. The carried interest income from affiliates may be subject to reversal to the extent that the carried interest income recorded exceeds the amount due to the general partner based on a fund's cumulative investment returns. When applicable, the accrual for potential repayment of previously received carried interest income, which is a component of due to affiliates, represents all amounts previously distributed to the general partner that would need to be repaid to the Apollo funds if these funds were to be liquidated based on the current fair value of the underlying funds' investments as of the reporting date. The actual general partner obligation, however, would not become payable or realized until the end of a fund's life.

Deferred Revenue—Apollo earns management fees subject to the Management Fee Offset. When advisory and transaction fees are earned by the management company, the Management Fee Offset reduces the management fee obligation of the fund. When the management company receives cash for advisory and transaction fees, a certain percentage of such advisory and/or transaction fees, as applicable, is allocated as a credit to reduce future management fees, otherwise payable by such fund. Such credit is classified as deferred revenue in the condensed consolidated statements of financial condition. A portion of any excess advisory and transaction fees may be required to be returned to the limited partners of certain funds upon such fund's liquidation. As the management fees earned by the management company are presented on a gross basis, any Management Fee Offsets calculated are presented as a reduction to Advisory and Transaction Fees from Affiliates in the condensed consolidated statements of operations. Additionally, Apollo earns advisory fees pursuant to the terms of the advisory agreements with certain of the portfolio companies that are owned by the funds. When Apollo receives a payment from a portfolio company that exceeds the advisory fees earned at that point in time, the excess payment is classified as deferred revenue in the condensed consolidated statements of financial condition. The advisory agreements with the portfolio companies vary in duration and the associated fees are received monthly, quarterly or annually. Deferred revenue is reversed and recognized as revenue over the period that the agreed upon services are performed.

Under the terms of the funds' partnership agreements, Apollo is normally required to bear organizational expenses over a set dollar amount and placement fees or costs in connection with the offering and sale of interests in the funds to investors. The placement fees are payable to placement agents, who are independent third parties that assist in identifying potential investors, securing commitments to invest from such potential investors, preparing or revising offering and marketing materials, developing strategies for attempting to secure investments by potential investors

and/or providing feedback and insight regarding issues and concerns of potential investors, when a limited partner either commits or funds a commitment to a fund. In certain instances the placement fees are paid over a period of time. Based on the management agreements with the funds, Apollo considers placement fees and organizational costs paid in determining if cash has been received in excess of the management fees earned. Placement fees and organizational costs are normally the obligation of Apollo but can be paid for by the funds. When these costs are paid by the fund, the resulting obligations are included within deferred revenue. The deferred revenue balance will also be reduced during future periods when management fees are earned but not paid.

Investments, at Fair Value—The Company follows U.S. GAAP attributable to fair value measurements which, among other things, requires enhanced disclosures about investments that are measured and reported at fair value. Investments, at fair

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value, represent investments of the consolidated funds, investments of the consolidated VIEs and certain financial instruments for which the fair value option was elected. The unrealized gains and losses resulting from changes in the fair value are reflected as net gains (losses) from investment activities and net gains (losses) from investment activities of the consolidated VIEs, respectively, in the condensed consolidated statements of operations. In accordance with U.S. GAAP, investments measured and reported at fair value are classified and disclosed in one of the following categories:

Level I—Quoted prices are available in active markets for identical investments as of the reporting date. The type of investments included in Level I include listed equities and listed derivatives. As required by U.S. GAAP, the Company does not adjust the quoted price for these investments, even in situations where the Company holds a large position and the sale of such position would likely deviate from the quoted price.

Level II—Pricing inputs are other than quoted prices in active markets, which are either directly or indirectly observable as of the reporting date, and fair value is determined through the use of models or other valuation methodologies. Investments that are generally included in this category include corporate bonds and loans, less liquid and restricted equity securities and certain over-the-counter derivatives where the fair value is based on observable inputs. These investments exhibit higher levels of liquid market observability as compared to Level III investments. The Company subjects broker quotes to various criteria in making the determination as to whether a particular investment would qualify for treatment as a Level II investment. These criteria include, but are not limited to, the number and quality of broker quotes, the standard deviation of obtained broker quotes, and the percentage deviation from independent pricing services.

Level III—Pricing inputs are unobservable for the investment and includes situations where there is little observable market activity for the investment. The inputs into the determination of fair value may require significant management judgment or estimation. Investments that are included in this category generally include general and limited partner interests in corporate private equity and real estate funds, opportunistic credit funds, distressed debt and non-investment grade residual interests in securitizations and CDOs and CLOs where the fair value is based on observable inputs as well as unobservable inputs. When a security is valued based on broker quotes, the Company subjects those quotes to various criteria in making the determination as to whether a particular investment would qualify for treatment as a Level II or Level III investment. These criteria include, but are not limited to, the number and quality of the broker quotes, the standard deviations of the observed broker quotes, and the percentage deviation from independent pricing services.

In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The Company's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment and considers factors specific to the investment when the fair value is based on unobservable inputs.

In cases where an investment or financial instrument that is measured and reported at fair value is transferred between levels of the fair value hierarchy, the Company accounts for the transfer as of the end of the reporting period. On a quarterly basis, Apollo utilizes valuation committees consisting of members from senior management, to review and approve the valuation results related to the investments of the funds it manages. For certain publicly traded vehicles, a review is performed by an independent board of directors. The Company also retains independent valuation firms to provide third-party valuation consulting services to Apollo, which consist of certain limited procedures that management identifies and requests them to perform. The limited procedures provided by the independent valuation firms assist management with validating their valuation results or determining fair value. The Company performs various back-testing procedures to validate their valuation approaches, including comparisons between expected and observed outcomes, forecast evaluations and variance analyses. However, because of the inherent uncertainty of valuation, those estimated values may differ significantly from the values that would have been

used had a ready market for the investments existed, and the differences could be material. Private Equity Investments

The value of liquid investments, where the primary market is an exchange (whether foreign or domestic) is determined using period end market prices. Such prices are generally based on the close price on the date of determination.

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Valuation approaches used to estimate the fair value of investments that are less liquid include the market approach and the income approach. The market approach provides an indication of fair value based on a comparison of the subject company to comparable publicly traded companies and transactions in the industry. The market approach is driven more by current market conditions, including actual trading levels of similar companies and, to the extent available, actual transaction data of similar companies. Judgment is required by management when assessing which companies are similar to the subject company being valued. Consideration may also be given to such factors as the Company's historical and projected financial data, valuations given to comparable companies, the size and scope of the Company's operations, the Company's strengths, weaknesses, expectations relating to the market's receptivity to an offering of the Company's securities, applicable restrictions on transfer, industry and market information and assumptions, general economic and market conditions and other factors deemed relevant. The income approach provides an indication of fair value based on the present value of cash flows that a business or security is expected to generate in the future. The most widely used methodology in the income approach is a discounted cash flow method. Inherent in the discounted cash flow method are assumptions of expected results and a calculated discount rate.

#### Credit Investments

The majority of the investments in Apollo's credit funds are valued based on quoted market prices and valuation models. Debt and equity securities that are not publicly traded or whose market prices are not readily available are valued at fair value utilizing recognized pricing services, market participants or other sources. When market quotations are not available, a model based approach is used to determine fair value. The credit funds also enter into foreign currency exchange contracts, total return swap contracts, credit default swap contracts, and other derivative contracts, which may include options, caps, collars and floors. Foreign currency exchange contracts are marked-to-market by recognizing the difference between the contract exchange rate and the current market rate as unrealized appreciation or depreciation. If securities are held at the end of this period, the changes in value are recorded in income as unrealized. Realized gains or losses are recognized when contracts are settled. Total return swap contracts and credit default swap contracts are recorded at fair value as an asset or liability with changes in fair value recorded as unrealized appreciation or depreciation. Realized gains or losses are recognized at the termination of the contract based on the difference between the close-out price of the total return or credit default swap contract and the original contract price.

Forward contracts are valued based on market rates obtained from counterparties or prices obtained from recognized financial data service providers. When determining fair value pricing when no market value exists, the value attributed to an investment is based on the enterprise value at the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Valuation approaches used to estimate the fair value of illiquid credit investments also may use the income approach or market approach. The valuation approaches used consider, as applicable, market risks, credit risks, counterparty risks and foreign currency risks.

### Real Estate Investments

The estimated fair value of commercial mortgage-backed securities ("CMBS") in Apollo's funds is determined by reference to market prices provided by certain dealers who make a market in these financial instruments. Broker quotes are only indicative of fair value and may not necessarily represent what the funds would receive in an actual trade for the applicable instrument. Additionally, the loans held-for-investment are stated at the principal amount outstanding, net of deferred loan fees and costs for certain investments. The Company evaluates its loans for possible impairment on a quarterly basis. For Apollo's opportunistic and value added real estate funds, valuations of non-marketable underlying investments are determined using methods that include, but are not limited to (i) discounted cash flow estimates or comparable analysis prepared internally, (ii) third party appraisals or valuations by qualified real estate appraisers, and (iii) contractual sales value of investments/properties subject to bona fide

purchase contracts. Methods (i) and (ii) also incorporate consideration of the use of the income, cost, or sales comparison approaches of estimating property values.

Fair Value of Financial Instruments

The fair value of a financial instrument is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

Except for the Company's debt obligations (as described in note 9), Apollo's financial instruments are recorded at fair value or at amounts whose carrying values approximate fair value. See "Investments, at Fair Value" above. While Apollo's valuations of portfolio investments are based on assumptions that Apollo believes are reasonable under the circumstances, the actual realized gains or losses will depend on, among other factors, future operating results, the value of the assets and market conditions at the

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time of disposition, any related transaction costs and the timing and manner of sale, all of which may ultimately differ significantly from the assumptions on which the valuations were based. Financial instruments' carrying values generally approximate fair value because of the short-term nature of those instruments or variable interest rates related to the borrowings.

Fair Value Option—Apollo has elected the fair value option for the Company's investment in Athene Holding Ltd. ("Athene Holding" and together with its subsidiaries, "Athene") and for the assets and liabilities of the consolidated VIEs. Such election is irrevocable and is applied to financial instruments on an individual basis at initial recognition. Apollo has applied the fair value option for certain corporate loans, other investments and debt obligations held by the consolidated VIEs that otherwise would not have been carried at fair value. See notes 3, 4, and 5 for further disclosure on the investments in Athene Holding and financial instruments of the consolidated VIEs for which the fair value option has been elected.

Financial Instruments held by Consolidated VIEs

The Company has adopted the measurement alternative included in the new collateralized financing entity ("CFE") guidance, and has applied the amendments using a modified retrospective approach by recording a cumulative-effect adjustment to shareholders' equity as of January 1, 2015. Amounts presented for the three and six months ended June 30, 2015 in the condensed consolidated statements of operations have reflected the adoption of this accounting guidance as of January 1, 2015. Refer to the condensed consolidated statements of changes in shareholders' equity. Pursuant to the new CFE guidance, the Company measures both the financial assets and financial liabilities of the consolidated collateralized loan obligations ("CLOs") in its condensed consolidated financial statements using the more observable of the fair value of the financial assets and the fair value of the financial liabilities. The Company believes the fair value of the financial assets of the consolidated CLOs are more observable than the fair value of the financial liabilities of the consolidated CLOs. As a result, the financial assets of the consolidated CLOs are measured at fair value and the financial liabilities are measured in consolidation as: (1) the sum of the fair value of the financial assets and the carrying value of any non-financial assets that are incidental to the operations of the CLOs less (2) the sum of the fair value of any beneficial interests retained by the reporting entity (other than those that represent compensation for services) and the Company's carrying value of any beneficial interests that represent compensation for services. The resulting amount is allocated to the individual financial liabilities (other than the beneficial interest retained by the Company) using a reasonable and consistent methodology. Under the measurement alternative, the Company's condensed consolidated net income reflects the Company's own economic interests in the consolidated CLOs including (i) changes in the fair value of the beneficial interests retained by the Company and (ii) beneficial interests that represent compensation for collateral management services.

Prior to the adoption of the new CFE guidance, the Company elected the fair value option for the assets and liabilities of the consolidated CLOs. The Company accounted for the difference between the fair value of the assets and the fair value of the liabilities of the consolidated CLOs in net gains from investment activities of consolidated variable interest entities in the condensed consolidated statements of operations. This amount was attributed to the Company and other beneficial interest holders based on each beneficial holder's residual interest in the consolidated CLOs. The amount attributed to other beneficial interest holders was reflected in the condensed consolidated statements of operations in net income attributable to non-controlling interests and in the condensed consolidated statements of financial condition in appropriated partners' capital within shareholders' equity. The amount was recorded as appropriated partners' capital since the other holders of the CLOs' beneficial interests, not the Company, received the benefits or absorbed the losses associated with their proportionate share of the CLOs' assets and liabilities.

The consolidated VIEs hold investments that could be traded over-the-counter. Investments in securities that are traded on a securities exchange or comparable over-the-counter quotation systems are valued based on the last reported sale price at that date. If no sales of such investments are reported on such date, and in the case of over-the-counter securities or other investments for which the last sale date is not available, valuations are based on

independent market quotations obtained from market participants, recognized pricing services or other sources deemed relevant, and the prices are based on the average of the "bid" and "ask" prices, or at ascertainable prices at the close of business on such day. Market quotations are generally based on valuation pricing models or market transactions of similar securities adjusted for security-specific factors such as relative capital structure priority and interest and yield risks, among other factors. When market quotations are not available, a model based approach is used to determine fair value.

The consolidated VIEs also have debt obligations that are recorded at fair value. As previously noted, effective January 1, 2015 with the adoption of the new CFE guidance, the Company measures CLO debt obligations on the basis of the fair value of financial assets of the CLO. Prior to the adoption of the new CFE guidance, the primary valuation methodology used to determine fair value for debt obligations was market quotation. Prices were based on the average of the "bid" and "ask" prices. In the event

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that market quotations were not available, a model based approach was used. The model based approach used to estimate the fair values of debt obligations for which market quotations were not available was the discounted cash flow method, which includes consideration of the cash flows of the debt obligation based on projected quarterly interest payments and quarterly amortization. Debt obligations were discounted based on the appropriate yield curve given the loan's respective maturity and credit rating. Management used its discretion and judgment in considering and appraising relevant factors for determining the valuations of the consolidated VIEs' debt obligations.

The adoption of the new accounting guidance resulted in a cumulative effect adjustment to appropriated partners' capital of \$3.5 million as of January 1, 2015, and an adjustment to previously reported net income of \$4.0 million for the three months ended March 31, 2015, all of which was attributable to Non-controlling Interests. The adoption resulted in no impact to net income attributable to Apollo Global Management, LLC.

# Goodwill and Intangible Assets

Goodwill and indefinite-life intangible assets must be reviewed annually for impairment or more frequently if circumstances indicate impairment may have occurred. Identifiable finite-life intangible assets, by contrast, are amortized over their estimated useful lives, which are periodically re-evaluated for impairment or when circumstances indicate an impairment may have occurred. Apollo amortizes its identifiable finite-life intangible assets using a method of amortization reflecting the pattern in which the economic benefits of the finite-life intangible asset are consumed or otherwise used up. If that pattern cannot be reliably determined, Apollo uses the straight-line method of amortization. At June 30, 2015 the Company performed its annual impairment testing, and, as the fair value of each of the Company's reporting units was in excess of its carrying value, there was no impairment of goodwill. Additionally, there was no impairment of indefinite-life intangible assets as of June 30, 2015.

### Compensation and Benefits

Equity-Based Compensation—Equity-based awards granted to employees as compensation are measured based on the grant date fair value of the award. Equity-based awards that do not require future service (i.e., vested awards) are expensed immediately. Equity-based employee awards that require future service are expensed over the relevant service period. The Company estimates forfeitures for equity-based awards that are not expected to vest. Equity-based awards granted to non-employees for services provided to affiliates are remeasured to fair value at the end of each reporting period and expensed over the relevant service period.

Salaries, Bonus and Benefits—Salaries, bonus and benefits include base salaries, discretionary and non-discretionary bonuses, severance and employee benefits. Bonuses are generally accrued over the related service period. The Company sponsors a 401(k) savings plan whereby U.S.-based employees are entitled to participate in the plan

based upon satisfying certain eligibility requirements. The Company may provide discretionary contributions from time to time. No contributions relating to this plan were made by the Company for the three and six months ended June 30, 2015 and 2014.

Profit Sharing Expense—Profit sharing expense primarily consists of a portion of carried interest recognized in one or more funds allocated to employees and former employees. Profit sharing expense is recognized on an accrued basis as the related carried interest income is earned. Profit sharing expense can be reversed during periods when there is a decline in carried interest income that was previously recognized. Additionally, profit sharing amounts previously distributed may be subject to clawback from employees, former employees and Contributing Partners.

Changes in the fair value of the contingent consideration obligations that were recognized in connection with certain Apollo acquisitions are reflected in the Company's condensed consolidated statements of operations as profit sharing expense.

The Company has a performance based incentive arrangement for certain Apollo partners and employees designed to more closely align compensation on an annual basis with the overall realized performance of the Company. This arrangement enables certain partners and employees to earn discretionary compensation based on carried interest realizations earned by the Company in a given year, which amounts are reflected in profit sharing expense in the

accompanying condensed consolidated financial statements.

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#### Other Income (Loss)

Net Gains (Losses) from Investment Activities—Net gains (losses) from investment activities include both realized gains and losses and the change in unrealized gains and losses in the Company's investment portfolio between the opening reporting date and the closing reporting date. The condensed consolidated financial statements include the net realized and unrealized gains (losses) of investments, at fair value. For the year ending December 31, 2014, for the Company's investments held by AAA (see note 3), a portion of the net gains (losses) from investment activities are attributable to Non-Controlling Interests in the condensed consolidated statements of operations.

Net Gains (Losses) from Investment Activities of Consolidated Variable Interest Entities—Changes in the fair value of

the consolidated VIEs' assets and liabilities and related interest, dividend and other income and expenses subsequent to consolidation are presented within net gains (losses) from investment activities of consolidated variable interest entities and are attributable to Non-Controlling Interests in the condensed consolidated statements of operations. Other Income (Loss), Net—Other income (loss), net includes the recognition of gains (losses) arising from the remeasurement of foreign currency denominated assets and liabilities of foreign subsidiaries, reversal of a portion of the tax receivable agreement liability (see note 12), gains (losses) arising from the remeasurement of derivative instruments associated with fees from certain of the Company's affiliates, gains arising from extinguishment of contingent consideration obligations and other miscellaneous non-operating income and expenses.

Net Income (Loss) Per Class A Share—U.S. GAAP requires use of the two-class method of computing earnings per share for all periods presented for each class of common stock and participating security as if all earnings for the period had been distributed. Under the two-class method, during periods of net income, the net income is first reduced for distributions declared on all classes of securities to arrive at undistributed earnings. During periods of net losses,

the net loss is reduced for distributions declared on participating securities only if the security has the right to

The remaining earnings are allocated to Class A shares and participating securities to the extent that each security shares in earnings as if all of the earnings for the period had been distributed. Earnings or losses allocated to each class of security are then divided by the applicable number of shares to arrive at basic earnings per share. For the diluted earnings, the denominator includes all outstanding Class A shares and includes the number of additional Class A shares that would have been outstanding if the dilutive potential Class A shares had been issued. The numerator is adjusted for any changes in income or loss that would result from the issuance of these potential Class A shares. Use of Estimates—The preparation of the condensed consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the condensed consolidated financial statements, the disclosure of contingent assets and liabilities at the date of the condensed consolidated financial statements and the reported amounts of revenues and expenses during the reporting periods. Apollo's most significant estimates include goodwill, intangible assets, income taxes, carried interest income from affiliates, contingent consideration obligations related to acquisitions, non-cash compensation, and fair value of investments and debt. Actual results could differ materially from those estimates.

participate in the earnings of the entity and an objectively determinable contractual obligation to share in net losses of

# Recent Accounting Pronouncements

In April 2014, the FASB issued guidance to improve the definition of discontinued operations and to enhance convergence between the FASB's and International Accounting Standard Board's (IASB) reporting requirements for discontinued operations. The new definition of discontinued operations limits discontinued operations reporting to disposals of components of an entity that represent strategic shifts that have (or will have) a major effect on an entity's operations and financial results. The new guidance affects entities that have either of the following: (1) a component of an entity that either is disposed of or meets the criteria under current guidance to be classified as held for sale or (2) a business or nonprofit activity that, on acquisition, meets the criteria under current guidance to be classified as held for sale. The guidance is effective for all disposals (or classifications as held for sale) of components of an entity and

all businesses or nonprofit activities that, on acquisition, are classified as held for sale that occur within annual periods beginning on or after December 15, 2014, and interim periods within those years. Early adoption is permitted, but only for disposals (or classifications as held for sale) that have not been reported in financial statements previously issued or available for issuance. The adoption of this guidance did not have a material impact on the Company's condensed consolidated financial statements.

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In May 2014, the FASB issued guidance to establish a comprehensive and converged standard on revenue recognition to enable financial statement users to better understand and consistently analyze an entity's revenue across industries, transactions, and geographies. The core principle of the new guidance is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. To achieve that core principle, an entity should apply the following steps: (1) identify the contract(s) with a customer, (2) identify the performance obligations in the contract, (3) determine the transaction price, (4) allocate the transaction price to the performance obligations in the contract, and (5) recognize revenue when (or as) the entity satisfies a performance obligation. The new guidance also specifies the accounting for certain costs to obtain or fulfill a contract with a customer. The new guidance requires improved disclosures to help users of financial statements better understand the nature, amount, timing, and uncertainty of revenue that is recognized. Qualitative and quantitative information is required to be disclosed about: (1) contracts with customers, (2) significant judgments and changes in judgments, and (3) assets recognized from costs to obtain or fulfill a contract. The new guidance will apply to all entities. In July 2015, the FASB voted to approve a one-year deferral of the effective date of the new revenue guidance. The FASB expects to issue its final standard formally amending the effective date by the end of the third quarter 2015. The amended guidance would permit public business entities to apply the new revenue guidance to interim reporting periods within annual reporting periods beginning after December 15, 2017 (i.e., beginning in the first interim period within the year of adoption). Public business entities would be permitted to apply the new revenue guidance early, but not before the original public business entity effective date (i.e., annual periods beginning after December 15, 2016). Public business entities choosing this option will apply the new revenue guidance to all interim reporting periods within the year of adoption. The Company is in the process of evaluating the impact that this guidance will have on its condensed consolidated financial statements, including the timing of the recognition of carried interest income.

In June 2014, the FASB issued guidance to resolve diversity in practice in the accounting for share-based payments where the terms of an award provide that a performance target could be achieved after the requisite service period. The new guidance requires that a performance target that affects vesting and that could be achieved after the requisite service period be treated as a performance condition. Accordingly, the performance target should not be reflected in estimating the grant-date fair value of the award. Compensation cost should be recognized in the period in which it becomes probable that the performance target will be achieved and should represent the compensation cost attributable to the period(s) for which the requisite service has already been rendered. If the performance target becomes probable of being achieved before the end of the requisite service period, the remaining unrecognized compensation cost should be recognized prospectively over the remaining requisite service period. The total amount of compensation cost recognized during and after the requisite service period should reflect the number of awards that ultimately vest. The requisite service period ends when the employee can cease rendering service and still be eligible to vest in the award if the performance target is achieved. The new guidance applies to all reporting entities that grant their employees share-based payments in which the terms of the award provide that a performance target that affects vesting could be achieved after the requisite service period. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early application is permitted. The Company is in the process of evaluating the impact that this guidance will have on its condensed consolidated financial statements.

In August 2014, the FASB issued guidance to eliminate diversity in practice in the accounting for measurement differences in both the initial consolidation and subsequent measurement of the financial assets and the financial liabilities of a collateralized financing entity. A reporting entity that consolidates a collateralized financing entity within the scope of the new guidance may elect to measure the financial assets and the financial liabilities of that collateralized financing entity using either the measurement alternative included in the new guidance or the existing

guidance on fair value measurement. When the measurement alternative is not elected for a consolidated collateralized financing entity within the scope of the new guidance, the new guidance clarifies that (1) the fair value of the financial assets and the fair value of the financial liabilities of the consolidated collateralized financing entity should be measured using the requirements of the existing guidance on fair value measurement and (2) any differences in the fair value of the financial assets and the fair value of the financial liabilities of that consolidated collateralized financing entity should be reflected in earnings and attributed to the reporting entity in the consolidated statement of income (loss). When a reporting entity elects the measurement alternative included in the new guidance for a collateralized financing entity, the reporting entity should measure both the financial assets and the financial liabilities of that collateralized financing entity in its consolidated financial statements using the more observable of the fair value of the financial assets and the fair value of the financial liabilities. The guidance applies to a reporting entity that is required to consolidate a collateralized financing entity under the existing variable interest entity guidance when (1) the reporting entity measures all of the financial assets and the financial liabilities of that consolidated collateralized financing entity at fair value in the consolidated financial statements based on other guidance and (2) the changes in the fair values of those financial assets and financial liabilities are reflected in earnings. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015.

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Early adoption is permitted. As noted earlier, the Company adopted this guidance on a modified retrospective basis by recording a cumulative-effect adjustment to shareholders' equity as of January 1, 2015.

In August 2014, the FASB issued guidance regarding management's responsibility to evaluate whether there is substantial doubt about an entity's ability to continue as a going concern and to provide related footnote disclosures. The new guidance requires that management evaluate each annual and interim reporting period whether conditions exist that give rise to substantial doubt about the entity's ability to continue as a going concern within one year from the financial statement issuance date, and if so, provide related disclosures. Disclosures are only required if conditions give rise to substantial doubt, whether or not the substantial doubt is alleviated by management's plans. No disclosures are required specific to going concern uncertainties if an assessment of the conditions does not give rise to substantial doubt. Substantial doubt exists when conditions and events, considered in the aggregate, indicate that it is probable that a company will be unable to meet its obligations as they become due within one year after the financial statement issuance date. If substantial doubt is alleviated as a result of the consideration of management's plans, a company should disclose information that enables users of financial statements to understand all of the following (or refer to similar information disclosed elsewhere in the footnotes): (1) principal conditions that initially give rise to substantial doubt, (2) management's evaluation of the significance of those conditions in relation to the company's ability to meet its obligations, and (3) management's plans that alleviated substantial doubt. If substantial doubt is not alleviated after considering management's plans, disclosures should enable investors to understand the underlying conditions, and include the following: (1) a statement indicating that there is substantial doubt about the company's ability to continue as a going concern within one year after the issuance date, (2) the principal conditions that give rise to substantial doubt, (3) management's evaluation of the significance of those conditions in relation to the company's ability to meet its obligations, and (4) management plans that are intended to mitigate the adverse conditions. The new guidance applies to all companies. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2016. Early adoption is permitted. This guidance is not expected to have an impact on the condensed consolidated financial statements of the Company.

In November 2014, the FASB issued guidance to clarify how current U.S. GAAP should be interpreted in evaluating the economic characteristics and risks of a host contract in a hybrid financial instrument that is issued in the form of a share. Specifically, the new guidance clarifies that an entity should consider all relevant terms and features-including the embedded derivative feature being evaluated for bifurcation when evaluating the nature of the host contract. Further, the new guidance clarifies that no single term or feature would necessarily determine the economic characteristics and risks of the host contract. Rather, the nature of the host contract depends upon the economic characteristics and risks of the entire hybrid financial instrument. The new guidance applies to all entities that are issuers of, or investors in, hybrid financial instruments that are issued in the form of a share. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early adoption is permitted. The Company is in the process of evaluating the impact that this guidance will have on its condensed consolidated financial statements.

In January 2015, the FASB issued guidance to simplify income statement presentation by eliminating the concept of extraordinary items. Existing guidance requires that an entity separately classify, present, and disclose extraordinary events and transactions. If an event or transaction meets the criteria for extraordinary classification, an entity is required to segregate the extraordinary item from the results of ordinary operations and show the item separately in the income statement, net of tax, after income from continuing operations. The entity is also required to disclose applicable income taxes and either present or disclose earnings-per-share data applicable to the extraordinary item. The new guidance eliminates the requirement for reporting entities to consider whether an underlying event or

transaction is extraordinary. However, the presentation and disclosure requirements under existing guidance for items that are unusual in nature or occur infrequently will be retained and will be expanded to include items that are both unusual in nature and infrequently occurring. Under the new guidance, items that are both unusual in nature and infrequently occurring should be presented within income from continuing operations or disclosed in the notes to the financial statements. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early adoption is permitted provided that the guidance is applied from the beginning of the fiscal year of adoption. This guidance is not expected to have an impact on the condensed consolidated financial statements of the Company.

In February 2015, the FASB issued new consolidation guidance which changes the analysis that a reporting entity must perform to determine whether it should consolidate certain types of legal entities. Existing guidance includes different requirements for performing a consolidation analysis if, among other factors, the entity under evaluation is any one of the following: (1) a legal entity that qualifies for the indefinite deferral under the amended consolidation rules, (2) a legal entity that is within the scope of the amended consolidation rules, or (3) a limited partnership or similar entity that is considered a voting interest entity. Under the new guidance, all reporting entities are within the scope of the new standard, including limited partnerships and similar

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legal entities, unless a scope exception applies. The presumption that a general partner controls a limited partnership has been eliminated. In addition, fees paid to decision makers that meet certain conditions (e.g., are both customary and commensurate with the level of effort required for the services provided) no longer cause decision makers to consolidate VIEs in certain instances. The new guidance places more emphasis in the consolidation evaluation on variable interests other than the fee arrangements such as principal investment risk (for example, debt or equity interests), guarantees of the value of the assets or liabilities of the VIE, written put options on the assets of the VIE, or similar obligations, including some liquidity commitments or agreements (explicit or implicit). Additionally, the new guidance reduces the extent to which related party arrangements cause an entity to be considered a primary beneficiary. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early adoption is permitted, including adoption in an interim period, and adjustments should be reflected as of the beginning of the fiscal year that includes that interim period. A reporting entity may apply the new guidance using either a modified retrospective approach by recording a cumulative-effect adjustment to equity as of the beginning of the fiscal year of adoption or by applying the amendments retrospectively. As noted in the "Summary of Significant Accounting Policies" above the Company has adopted this guidance on a modified retrospective basis. This guidance has resulted in the deconsolidation of certain investment vehicles the Company manages, as further described in note 4.

In April 2015, the FASB issued guidance to simplify the presentation of debt issuance costs. The guidance requires that debt issuance costs related to a recognized debt liability be presented in the balance sheet as a direct deduction from the carrying amount of that debt liability (i.e., versus being capitalized as an asset and amortized as required under existing guidance), consistent with debt discounts. The recognition and measurement guidance for debt issuance costs is not affected by the new guidance (i.e., debt issuance costs will continue to be amortized as an increase to interest expense). The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Early adoption is permitted for financial statements that have not been previously issued. An entity should apply the new guidance on a retrospective basis, wherein the balance sheet of each individual period presented should be adjusted to reflect the period-specific effects of applying the new guidance. The Company is in the process of evaluating the impact that this guidance will have on its condensed consolidated financial statements.

In May 2015, the FASB issued guidance to eliminate diversity in practice related to how certain investments measured at net asset value are categorized within the fair value hierarchy. The guidance removes the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value per share practical expedient. A reporting entity should continue to disclose information on investments for which fair value is measured at net asset value (or its equivalent) as a practical expedient to help users understand the nature and risks of the investments and whether the investments, if sold, are probable of being sold at amounts different from net asset value. The guidance is effective for interim and annual reporting periods in fiscal years beginning after December 15, 2015. Pursuant to the guidance, a reporting entity should apply the amendments retrospectively to all periods presented. The retrospective approach requires that an investment for which fair value is measured using the net asset value per share practical expedient be removed from the fair value hierarchy in all periods presented in an entity's financial statements. Earlier application is permitted. The Company is in the process of evaluating the impact that this guidance will have on its condensed consolidated financial statements.

#### 3. INVESTMENTS

The following table represents Apollo's investments:

As of June 30, 2015

As of December 31, 2014

Investments, at fair value	\$444,830	\$2,499,128
Equity method investments	529,005	380,878
Total Investments	\$973,835	\$2,880,006

# Investments, at Fair Value

Investments, at fair value, consist of financial instruments held by AAA, the Company's investment in Athene Holding, investments held by the Apollo Credit Senior Loan Fund, L.P. ("Apollo Senior Loan Fund"), and other investments held by the Company at fair value. The following table presents the Company's investments, at fair value as of June 30, 2015 and December 31, 2014:

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As of June 30, 2015					As of December 31, 2014				
	Fair Value				Fair Value				
Investments, a		Credit	Total	Cost	Private	Credit	Total	Cost	
Fair Value	Equity	Φ.	4	Φ.	Equity	Φ.	<b>^</b>		
$AAA^{(1)(2)}$	\$—	<b>\$</b> —	\$—	<b>\$</b> —	\$2,144,118	\$—	\$2,144,118	\$1,494,358	
Athene	30,148	384,578	414,726	387,526	25,104	299,410	324,514	324,293	
Holding	,	201,270	,,20	207,220	20,10.	2,5,110	02.,01.	02.,230	
Apollo Senior		29,475	29,475	29,335		29,896	29,896	30,100	
Loan Fund		25,175	25,175	27,333		25,050	25,050	30,100	
Other	482	147	629	621	486	114	600	3,318	
Investments	402	14/	027	021	700	114	000	3,310	
Total	\$30,630	\$414,200	\$444,830	\$417,482	\$2,169,708	\$329,420	\$2,499,128	\$1,852,069	

<sup>(1)</sup> AAA has been deconsolidated effective January 1, 2015 as a result of the Company's adoption of new guidance, as described in note 2.

#### Athene Holding

As further described in note 12, during 2014, Athene Holding raised \$1.2 billion of net equity commitments (the "Athene Private Placement"), which was priced at \$26 per common share of Athene Holding. In connection with the Athene Private Placement, both the Athene Services Derivative and the AAA Services Derivative (as defined in note 12) were settled on April 29, 2014 by delivery to Apollo of common shares of Athene Holding, and as a result, such derivatives were terminated. Following settlement of these derivatives, future monitoring fees and management fees paid to Apollo pursuant to the Amended Athene Services Agreement and the Amended AAA Services Agreement, respectively, will be paid on a quarterly basis in arrears by delivery to Apollo of common shares of Athene Holding (unless such payment in shares would violate Section 16(b) of the Exchange Act).

The Company elected the fair value option for its investment in Athene Holding at the time of settlement of the Athene Services Derivative and AAA Services Derivative. The Company has classified this investment as a Level III asset in the fair value hierarchy, as the pricing inputs into the determination of fair value require significant judgment and estimation. The investment is valued based on the price of a common share of Athene Holding, which at June 30, 2015 and December 31, 2014 was determined using the embedded value method based on the present value of the future expected regulatory distributable income generated by the net assets of Athene plus the excess capital (i.e., the capital in excess of what is required to be held against Athene's liabilities). The net assets of Athene consist of the current and projected assets less the current and projected liabilities related to in force insurance contracts. For purposes of the excess capital calculation the assets are valued at fair value using our valuation methodology disclosed in note 2. The approach of using actuarially projected asset and liability income to value an insurance company is widely used by market participants in the insurance industry, particularly in private company acquisitions. The embedded value of the in force insurance contracts incorporates actuarial projections of expected income utilizing most recently available policyholder contract and experience data, industry information and assumptions, general economic and market conditions, and other factors deemed relevant, including the cost of capital. In addition, consideration is also given to comparable company multiples in the determination of fair value. See note 5 for further discussion regarding fair value leveling and note 12 for further information regarding Athene.

<sup>(2)</sup> As of December 31, 2014, the financial instruments held by AAA represented 98.6% of net assets of consolidated funds (excluding VIEs).

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#### Apollo Senior Loan Fund

On December 31, 2011, the Company became the sole investor in the Apollo Senior Loan Fund and therefore consolidated the assets and liabilities of the fund. The fund invests in U.S. denominated senior secured loans, senior secured bonds and other income generating fixed-income investments. The Company has classified the instruments associated with the Apollo Senior Loan Fund investment within the respective level in the fair value hierarchy. See note 5 for further discussion regarding fair value leveling.

Net Gains (Losses) from Investment Activities

Net gains (losses) from investment activities in the condensed consolidated statements of operations include net realized gains (losses) from sales of investments, and the change in net unrealized gains (losses) resulting from changes in fair value or reversal of realization of gains/losses of the consolidated funds' investments and realization of previously unrealized gains/losses. Additionally, net gains from investment activities include changes in the fair value of investments held at fair value. The following tables present Apollo's net gains (losses) from investment activities for the three and six months ended June 30, 2015 and 2014:

	For the Three M June 30, 2015	Ionths Ended		
	Private Equity	Credit	Total	
Realized gains on sales of investments	\$—	\$137	\$137	
Change in net unrealized gains due to changes in fair values	998	23,289	24,287	
Net Gains from Investment Activities	\$998	\$23,426	\$24,424	
The Game Hom Investment Heavitage	For the Three M	•	Ψ21,121	
	June 30, 2014	Tolling Eliaca		
	Private Equity	Credit	Total	
Realized gains on sales of investments	\$—	\$41	\$41	
Change in net unrealized gains due to changes in fair values	•		(9,575	)
Net Gains from Investment Activities	`	\$(9,098	\$(9,534)	)
	For the Six Mor		+ (> )= = 1	,
	June 30, 2015			
	Private Equity	Credit	Total	
Realized gains on sales of investments	\$—	\$153	\$153	
Change in net unrealized gains due to changes in fair values	998	25,391	26,389	
Net Gains from Investment Activities	\$998	\$25,544	\$26,542	
	For the Six Mor	ths Ended		
	June 30, 2014			
	Private Equity	Credit	Total	
Realized gains on sales of investments	\$—	\$153	\$153	
Change in net unrealized gains due to changes in fair values	204,927	8,794	213,721	
Net Gains from Investment Activities	\$204,927	\$8,947	\$213,874	

# **Equity Method Investments**

Apollo's equity method investments include its investments in Apollo private equity, credit and real estate funds, which are not consolidated, but in which the Company exerts significant influence. Apollo's share of operating income generated by these investments is recorded within income from equity method investments in the condensed consolidated statements of operations.

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Equity method investments as of June 30, 2015 and December 31, 2014 consisted of the following:

Equity method investments as of June 30, 2015 and L	Equity Held a		the following:	
	June 30,	% of	December	% of
	2015	Ownership	31, 2014	Ownership
Private Equity Funds:	2010	o whorship	01, 201.	o wheremp
AP Alternative Assets, L.P. ("AAA") <sup>(6)</sup>	\$54,153	2.370 %	<b>\$</b> —	%
AAA Investments, L.P. ("AAA Investments")	1,377	0.057	1,293	0.057
Apollo Investment Fund IV, L.P. ("Fund IV")	8	0.036	8	0.022
Apollo Investment Fund V, L.P. ("Fund V")	60	0.041	68	0.031
Apollo Investment Fund VI, L.P. ("Fund VI")	2,812	0.118	6,173	0.114
Apollo Investment Fund VII, L.P. ("Fund VII")	73,038	1.231	78,286	1.223
Apollo Investment Fund VIII, L.P. ("Fund VIII")	84,741	2.235	33,099	2.241
Apollo Natural Resources Partners, L.P. ("ANRP")	7,120	0.822	5,608	0.807
AION Capital Partners Limited ("AION")	17,301	5.961	14,707	6.113
Apollo Asia Private Credit Fund, L.P. ("APC")	53	0.044	47	0.044
VC Holdings, L.P. Series A ("Vantium A/B")	15	6.450	12	6.450
VC Holdings, L.P. Series C ("Vantium C")	63	2.071	48	2.071
VC Holdings, L.P. Series D ("Vantium D")	170	6.345	180	6.345
Total Private Equity Funds <sup>(5)</sup>	240,911		139,529	
Credit Funds:				
Apollo Special Opportunities Managed Account, L.P.	6,707	0.816	6,997	0.841
("SOMA")	0,707		0,777	0.041
Apollo Value Strategic Fund, L.P. ("VIF")	140	0.088	146	0.067
Apollo Strategic Value Fund, L.P. ("SVF")	9	0.035	10	0.033
Apollo Credit Liquidity Fund, L.P. ("ACLF")	2,478	2.936	4,128	2.771
Apollo Credit Opportunity Fund I, L.P. ("COF I")	2,165	1.879	2,298	1.870
Apollo Credit Opportunity Fund II, L.P. ("COF II")	2,018	1.489	2,249	1.497
Apollo Credit Opportunity Fund III, L.P. ("COF III")		1.040	13,102	1.061
Apollo European Principal Finance Fund, L.P. ("EPF I")	5,428	1.371	7,647	1.449
Apollo European Principal Finance Fund II, L.P. ("EPF II")	38,677	1.760	44,523	1.760
Apollo Investment Europe II, L.P. ("AIE II")	2,286	4.058	3,203	1.937
Apollo Europe Co-Investors III (D), LLC ("AIE III")	2,366	2.922	1,540	2.914
Apollo Palmetto Strategic Partnership, L.P. ("Palmetto")	14,543	1.186	14,049	1.186
Apollo Senior Floating Rate Fund Inc. ("AFT")	92	0.034	86	0.031
Apollo Residential Mortgage, Inc. ("AMTG*3)	4,311 (1	0.592	4,263	0.593 (2)
Apollo European Credit, L.P. ("AEC")	2,431	1.081	2,443	1.081
Apollo Furonean Strategic Investments I P ("AFSI"	"R 025	0.990	3,834	0.990
Apollo European Strategic Investments II, L.P. (AESII'')	I 571	0.990	123	0.990
Apollo Centre Street Partnership, L.P. ("ACSP")	10,504	2.484	11,474	2.439
Apollo Investment Corporation ("AINV*4)	•		•	3.057 (2)
Apollo SK Strategic Investments, L.P. ("SK")	1,707	0.990	1,693	0.990

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Apollo SPN Investments I, L.P.	5,393	0.574	5,500	0.720
CION Investment Corporation ("CION")	1,000	0.142	1,000	0.206
Apollo Tactical Income Fund Inc. ("AIF")	83	0.031	84	0.032
Apollo Franklin Partnership, L.P. ("Franklin Fund")	9,255	9.091	9,647	9.091
Apollo Zeus Strategic Investments, L.P. ("Zeus")	7,589	3.398	6,404	3.392
Apollo Lincoln Fixed Income Fund, L.P.	1,863	1.089	1,398	0.993
Apollo Lincoln Private Credit Fund, L.P.	252	0.990	194	0.990
Apollo Structured Credit Recovery Master Fund III,	1,225	0.278	315	0.126
L.P.				
Apollo Total Return Fund L.P.	165	0.039	163	0.046
Apollo Credit Short Opportunities Fund L.P.	18	0.016	19	0.027
MidCap FinCo Limited ("MidCap")	50,228	5.408	_	
Apollo Energy Opportunity Fund, L.P. ("AEOF")	2,766	2.439	_	
Apollo A-N Credit Fund, L.P.	1,537	1.970		
Total Credit Funds <sup>(5)</sup>	258,828		212,914	
Real Estate:				
$ARI^{(3)}$	14,075 (1	) 1.200 (1)	13,989 (2)	1.495 (2)
AGRE U.S. Real Estate Fund, L.P.	10,878	2.660	10,519	1.845
CPI Capital Partners North America, L.P.	122	0.410	137	0.408
CPI Capital Partners Europe, L.P.	5	0.001	5	0.001
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CPI Capital Partners Asia Pacific, L.P.	92	0.039	96	0.039
Apollo GSS Holding (Cayman), L.P.	3,552	4.750	3,564	4.750
BEA/AGRE China Real Estate Fund, L.P.	90	1.031	87	1.031
Other	452	NM	38	NM
Total Real Estate Funds <sup>(5)</sup>	29,266		28,435	
Total	\$529,005		\$380,878	

- (1) Amounts are as of March 31, 2015.
- (2) Amounts are as of September 30, 2014.
  - Investment value includes the fair value of RSUs granted to the Company as of the grant date. These amounts are
- (3) not considered in the percentage of ownership until the RSUs are vested and issued to the Company, at which point the RSUs are converted to common stock and delivered to the Company.
- The value of the Company's investment in AINV was \$53,842 and \$53,693 based on the quoted market price as of June 30, 2015 and December 31, 2014, respectively.
- (5) Certain funds invest across multiple segments. The presentation in the table above is based on the classification of the majority of such funds' investments.
  - AAA has been deconsolidated effective January 1, 2015 as a result of the Company's adoption of new accounting
- (6) guidance, as described in note 2. As a result, the Company's investment in AAA no longer eliminates in consolidation.

As of June 30, 2015 and December 31, 2014 and for the three and six months ended June 30, 2015 and 2014, no equity method investment held by Apollo met the significance criteria as defined by the SEC. As such, Apollo is not required to present summarized income statement information for any of its equity method investments.

#### 4. VARIABLE INTEREST ENTITIES

As described in note 2, the Company consolidates entities that are VIEs for which the Company has been designated as the primary beneficiary. The purpose of such VIEs is to provide strategy-specific investment opportunities for investors in exchange for management and performance based fees. The investment strategies of the entities that the Company manages may vary by entity; however, the fundamental risks of such entities have similar characteristics, including loss of invested capital and the return of carried interest income previously distributed to the Company by certain private equity, credit, and real estate entities. The nature of the Company's involvement with VIEs includes direct and indirect investments and fee arrangements. The Company does not provide performance guarantees and has no other financial obligations to provide funding to VIEs other than its own capital commitments. There is no recourse to the Company for the consolidated VIEs' liabilities.

Consolidated Variable Interest Entities

Apollo has consolidated VIEs in accordance with the policy described in note 2. Through its role as investment manager of these VIEs, the Company determined that Apollo has the power to direct the activities that most significantly impact the economic performance of these VIEs. Additionally, Apollo determined that its interests, both directly and indirectly from these VIEs, represent rights to returns that could potentially be significant to such VIEs. As a result, Apollo determined that it is the primary beneficiary and therefore should consolidate the VIEs. Deconsolidation of CLOs

CLOs are generally determined to be VIEs if they are formed solely to issue collateralized notes in the legal form of debt and therefore do not have sufficient total equity investment at risk to permit the entity to finance its activities without additional subordinated financial support. Prior to adoption of the new consolidation guidance, Apollo was considered to possess a controlling financial interest in, and therefore consolidated, such CLOs as Apollo's role as

collateral manager provided the Company with the power to direct the activities that most significantly impacted the CLO's economic performance and the Company had the right to receive certain benefits from the CLO through incentive fees that could potentially be significant to the CLO. Under the new guidance, the majority of these CLOs have been deconsolidated as the incentive fees received by Apollo from the deconsolidated CLOs are not considered variable interests. Accordingly, the Company deconsolidated approximately \$14.6 billion in assets and \$13.7 billion in liabilities related to these entities reflected as of January 1, 2015. The net impact of the deconsolidation is reflected in the condensed consolidated statement of changes in shareholders' equity for the six months ended June 30, 2015. As a result of the adoption, certain deconsolidation adjustments have been recorded to various line items on the condensed consolidated financial statements have been adjusted to remove the impact of intercompany eliminations. These adjustments impacted multiple line items within total revenues and other income, as well as net income attributable to Non-

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controlling Interests on the condensed consolidated statements of operations, as well as multiple line items within the condensed consolidated statements of financial condition, including goodwill.

#### Consolidated CLOs

Certain CLOs remain consolidated by Apollo as the Company continues to be considered to hold a controlling financial interest through direct and indirect interests in these CLOs exclusive of management and performance based fees received. Through its role as collateral manager of these VIEs, the Company determined that Apollo had the power to direct the activities that most significantly impact the economic performance of these VIEs. These CLOs were formed for the sole purpose of issuing collateralized notes to investors. The assets of these VIEs are primarily comprised of senior secured loans and the liabilities are primarily comprised of debt.

The assets of these consolidated CLOs are not available to creditors of the Company. In addition, the investors in these consolidated VIEs have no recourse against the assets of the Company. The Company has elected the fair value option for financial instruments held by its consolidated CLOs, which includes investments in loans and corporate bonds, as well as debt obligations and contingent obligations held by such consolidated CLOs. Other assets include amounts due from brokers and interest receivables. Other liabilities include payables for securities purchased, which represent open trades within the consolidated VIEs and primarily relate to corporate loans that are expected to settle within the next 60 days. From time to time, Apollo makes investments into certain consolidated CLOs denominated in foreign currencies. As of June 30, 2015, the Company had invested \$44.1 million in consolidated foreign currency denominated CLOs, which eliminates in consolidation.

Pursuant to the terms of certain bank loan agreements, the consolidated VIEs have unfunded contingent liabilities of \$7.7 million as of June 30, 2015.

Investment in Champ L.P.

On September 30, 2014, the Company, through a wholly-owned subsidiary, acquired a 25.6% ownership interest in Champ L.P. following which a wholly-owned subsidiary of Champ L.P. then acquired a 35% ownership interest in KBC Bank Deutschland AG ("KBC Bank"), the German subsidiary of Belgian KBC Group NV (the "KBC Transaction"). Following the closing of the transaction, KBC Bank was renamed Bremer Kreditbank AG and the bank will operate under the name BKB Bank. As of June 30, 2015, the Company had invested \$16.6 million in Champ L.P. The Company, together with other affiliated investors, in aggregate, own 100% of Champ L.P.

The Company, through its aforementioned wholly-owned subsidiary, is the general partner and primary beneficiary of Champ L.P., which meets the definition of a VIE. Accordingly, the Company has consolidated Champ L.P. in accordance with the policy described in note 2. The Company's investment in Champ L.P. is eliminated in consolidation.

Net Gains (Losses) from Investment Activities of Consolidated Variable Interest Entities

The following table presents net gains (losses) from investment activities of the consolidated VIEs for the three and six months ended June 30, 2015 and 2014, respectively:

	For the Thre	ee Months Ended	For the Six M	onths Ended	
	June 30,		June 30,		
	2015	2014	2015	2014	
Net unrealized gains (losses) from investment activities	\$(4,346	) \$10,449	\$6,243	\$9,538	
Net realized gains (losses) from investment activities	3,305	(192)	3,831	16,822	
Net gains (losses) from investment activities	(1,041	) 10,257	10,074	26,360	
Net unrealized losses from debt	1,315	7,591	(6,929)	(6,528	)
Net realized gains from debt	_	_	_	357	
Net gains (losses) from debt	1,315	7,591	(6,929)	(6,171	)
Interest and other income	11,105	147,142	18,048	318,136	
Interest and other expenses	(5,579	) (121,565)	(14,065)	(247,165	)

Net Gains from Investment Activities of Consolidated Variable Interest Entities \$5,800 \$43,425 \$7,128 \$91,160

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Senior Secured Notes and Subordinated Notes—Included within debt are amounts due to third-party institutions by the consolidated VIEs. The following table summarizes the principal provisions of the debt of the consolidated VIEs as of June 30, 2015 and December 31, 2014:

	As of June 30, 2015				As of December 31, 2014				
	Weig Principal Avera Outstanding Interes Rate			Weighted Average Remaining Maturity in Years	Principal Outstanding	Weighted Average Interest Rate		Weighted Average Remaining Maturity in Years	
Senior Secured Notes <sup>(2)(3)</sup>	\$754,699	2.25	%	12.6	\$13,459,387	1.60	%	7.8	
Subordinated Notes <sup>(2)(3)</sup>	84,482	N/A	(1)	15.6	1,183,834	N/A	(1)	9.0	
Total	\$839,181				\$14,643,221				

- The subordinated notes do not have contractual interest rates, but instead receive distributions from the excess cash flows of the VIEs.
- (2) The fair value of Senior Secured Notes and Subordinated Notes as of June 30, 2015 and December 31, 2014 was \$831.5 million and \$14,123.1 million, respectively.
  - The debt at fair value of the consolidated VIEs is collateralized by assets of the consolidated VIEs and assets of one vehicle may not be used to satisfy the liabilities of another vehicle. As of June 30, 2015 and December 31
- (3) one vehicle may not be used to satisfy the liabilities of another vehicle. As of June 30, 2015 and December 31, 2014, the fair value of the consolidated VIE assets was \$1,088.0 million and \$17,070.8 million, respectively. This collateral consisted of cash and cash equivalents, investments, at fair value, and other assets.

The consolidated VIEs' debt obligations contain various customary loan covenants as described above. As of June 30, 2015, the Company was not aware of any instances of non-compliance with any of these covenants.

Variable Interest Entities Which are Not Consolidated

The Company holds variable interests in certain VIEs which are not consolidated, as it has been determined that Apollo is not the primary beneficiary.

The following tables present the carrying amounts of the assets and liabilities of the VIEs for which Apollo has concluded that it holds a significant variable interest, but that it is not the primary beneficiary as of June 30, 2015 and December 31, 2014. In addition, the tables present the maximum exposure to losses relating to these VIEs. As noted earlier, as a result of the adoption of the FASB's new consolidation guidance, the Company is no longer considered to have a variable interest in many of the entities that it manages where its sole interest in an entity is either through carried interest, performance fees or other indirect interests which are not considered to absorb more than an insignificant amount of expected losses or returns of the entity.

As of June 30, 2015
Total Assets Total Liabilities Apollo Exposure

\$4,504,876 (1) \$1,066,911 (2) \$171,187 (3)

- (1) Consists of \$233.3 million in cash, \$4,247.8 million in investments and \$23.7 million in receivables.
- (2) Represents \$1,066.9 million in debt and other payables.

Represents Apollo's direct equity method investment in those entities in which Apollo holds a significant variable interest. Additionally, cumulative carried interest income is subject to reversal in the event of future losses. The maximum amount of future reversal of carried interest income from all of Apollo's funds, including those entities in which Apollo holds a significant variable interest, is \$2,613.3 million as of June 30, 2015 as discussed in note 13.

December 31, 2014
Total Assets Total Liabilities Apollo Exposure

Total \$11,676,038 (1) \$729,515 (2) \$30,752 (3)

(1) Consists of \$794.5 million in cash, \$10,456.0 million in investments and \$425.6 million in receivables.

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APOLLO GLOBAL MANAGEMENT, LLC

NOTES TO CONDENSED CONSOLIDATED

FINANCIAL STATEMENTS

(dollars in thousands, except share data, except where noted)

- (2) Represents \$362.0 million in debt and other payables, \$359.4 million in securities sold, not purchased, and \$8.2 million in capital withdrawals payable.
  - Represents Apollo's direct equity method investment in those entities in which Apollo holds a significant variable
- (3) interest. Additionally, cumulative carried interest income is subject to reversal in the event of future losses. The maximum amount of future reversal of carried interest income from all of Apollo's funds, including those entities in which Apollo holds a significant variable interest, was \$2,892.8 million as of December 31, 2014.

### 5. FAIR VALUE MEASUREMENTS OF FINANCIAL INSTRUMENTS

The following tables summarize the valuation of the Company's financial assets and liabilities by the fair value hierarchy as of June 30, 2015 and December 31, 2014, respectively:

			As of June 30, 2015									
				Leve	el I <sup>(6)</sup>	Leve	el II <sup>(6)</sup>	Leve	l III	Tota	.1	
Assets												
Investments held by A	pollo	Senior Lo	oan	\$		\$27,	472	\$2,00	73	\$29.	175	
Fund <sup>(1)</sup>				φ—		Φ21,	412	\$2,00	)3	\$ 49	413	
Other Investments <sup>(1)</sup>						—		629		629		
Investment in Athene	Holdir	$1g^{(2)}$						414,7	726	414,	726	
Investments of VIEs, a	at fair	value <sup>(4)</sup>				822,	211	132,0	)79	954,	290	
Total Assets				<b>\$</b> —		\$849	9,683	\$549	,437	\$1,3	99,120	
Liabilities												
Liabilities of VIEs, at				<b>\$</b> —		\$831	1,472	\$11,			3,186	
Contingent Considerat	tion Ol	oligations	$S^{(3)}$			_		92,96		92,9		
Total Liabilities				<b>\$</b> —		\$831	1,472	\$104	,682	\$930	5,154	
		c D 1	21.0	01.1								
		f Decemb					TD 4 1					
•	Leve	el I <sup>(0)</sup>	Level I	$\Pi^{(0)}$	Level III		Total					
Assets												
Investment in AAA	<b>\$</b> —		<b>\$</b> —		\$2,144,118		\$2,144,118	3				
Investments <sup>(1)</sup>												
Investments held by			25 527		4.250		20.006					
Apollo Senior Loan Fund <sup>(1)</sup>			25,537		4,359		29,896					
Other Investments <sup>(1)</sup>					600		600		16.5	13.7	13.5	37.7
Total <sup>(v)</sup>	\$	2,120.1	<u> </u>	1,151.7		55.1		12.4	\$ 33.4			
10tal**/	Φ	2,120.1	φ l	1,131./	Φ	33.1	Φ	42.4	Ф ээ.4	Ф 100.5	<i>τ</i> υ46.0	

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Represents mandatory principal repayment obligations for our borrowings under the New Revolver and New Term Loans (based on amounts outstanding as of December 31, 2018), which mature in June 2023 and June 2025, respectively, and excludes related interest and fees. The Term Loans require mandatory aggregate quarterly principal repayments of \$1.5 million until their maturity (when remaining amounts outstanding are due), and borrowings under the New Revolver are due upon maturity. Borrowings under the New Revolver bear interest for the period of the draw at LIBOR, Canadian Prime, or Base Rate (each as defined in the New Credit Facility) plus a specified margin, or in the case of any bankers' acceptance, at the B/A Discount Rate (as defined in the New Credit Facility). The margin for borrowings under the New Revolver ranges from 0.75% to 2.5%, depending on the rate we select and our consolidated leverage ratio. As a result of our use of the accordion feature of the New Credit Facility in November 2018, interest on the June Term Loan increased from LIBOR plus 2.0% to LIBOR plus

(i) 2.125%. The November Term Loan currently bears interest at LIBOR plus 2.5%. Based on the rates and the principal amount outstanding under the New Term Loans (\$598.3 million) and the New Revolver (other than \$21.3 million in letters of credit, \$159.0 million) as of December 31, 2018, and including the impact of our interest rate swap agreements, interest and fees are estimated to be approximately \$10 million per quarter. Actual amounts could differ materially from these estimates. Payment defaults under the credit facility will incur interest on unpaid amounts at an annual rate equal to the sum of (i) 2%, plus (ii) the rate per annum otherwise applicable to such unpaid amounts, or if no rate is specified or available, the rate per annum applicable to Base Rate revolving loans. If an event of default occurs and is continuing, the administrative agent may declare all advances on the facility to be immediately due and payable, and may cancel the lenders' commitments to make further advances thereunder. See "Capital Resources" below and note 12 to our 2018 AFS for a description of our credit facility, including amounts outstanding thereunder, repayment dates and interest obligations.

Based on our latest actuarial valuations, we estimate our funding requirement for 2019 to be \$12.0 million (2018 — \$13.3 million; 2017 — \$11.9 million). See note 19 to our 2018 AFS. A significant deterioration in the asset values or asset returns could lead to higher than expected future contributions. Risks and uncertainties associated with

- (ii) actuarial valuation measurements may also result in higher future cash contributions. We fund our pension contributions from cash on hand. Although we have defined benefit plans that are currently in a net unfunded position, we do not expect our pension obligations will have a material adverse impact on our future results of operations, cash flows or liquidity.
- Represents outstanding purchase orders with suppliers to acquire inventory. These purchase orders are generally short-term in nature and legally binding. However, a substantial portion of these purchase orders are for standard inventory items which we have procured for specific customers based on their purchase orders or forecasts, under which such customers have contractually assumed liability for such material, if not consumed.
- (iv) Represents obligations under IT support agreements.

This table excludes \$25.5 million of long-term deferred income tax liabilities and \$20.6 million of provisions and other non-current liabilities primarily pertaining to warranties and asset retirement obligations, as we are unable to reliably estimate the timing of any future payments related thereto. However, long-term liabilities included in our consolidated balance sheet include these items. In addition, our interest rate swap agreements require us to pay a fixed rate of interest with respect to an aggregate of \$350.0 million outstanding under the New Term Loans. These payments, however, are partially offset by related interest we receive, based on the variable interest rates swapped. As the offsets are not determinable and vary from quarter to quarter, this table also excludes the interest payments

### **Additional Commitments:**

on our interest rate swap agreements.

As at December 31, 2018, we had additional commitments that expire as follows (in millions):

	Total	2019	2020	2021	2022	2023	Thereafter
Foreign currency contracts(i)	\$544.2	\$544.2	\$—	\$—	\$ -	-\$ -	\$ —
Letters of credit, letters of guarantee and surety bonds <sup>(ii)</sup>	35.7	29.1	1.6	0.3	_		4.7
Capital expenditures <sup>(iii)</sup>	33.6	33.6		_	—		_
Total	\$613.5	\$606.9	\$1.6	\$0.3	\$ -	-\$ -	\$ 4.7

- (i) Represents the aggregate notional amounts of our forward currency contracts and swaps.
- (ii) Includes \$21.3 million in letters of credit issued under our Revolving Facility.

Our capital spending varies each period based on the timing of new business wins and forecasted sales levels. Based on our current operating plans, we anticipate capital spending for 2019 to be approximately 1.5% to 2.0% of revenue, and expect to fund these expenditures from cash on hand and through the financing agreements described below under "Capital Resources." As at December 31, 2018, we had committed \$33.6 million for capital expenditures, principally for machinery and equipment to support new customer programs. Of such amount, approximately 25% is committed for Asia, approximately 25% is committed for North America (excluding Canada), approximately 30% is committed for Europe, and approximately 20% is committed for Canada (primarily for building improvements related to our temporary corporate headquarters).

Customer or program transfers between EMS providers are part of the competitive nature of our industry. From time-to-time, we make commitments to purchase assets, primarily inventory, or fund certain costs, as part of transitioning programs from a customer or a competitor. In September 2017, we purchased \$5 million of inventory and assumed the relevant workforce in connection with a program transferred to us under an "operate-in-place" arrangement.

We have entered into financing agreements for the lease of machinery and equipment. For leases where the risks and rewards of ownership have substantially transferred to us, we capitalize the leased asset and record a corresponding liability on our consolidated balance sheet. See "Finance leases" in the contractual obligations table above. See note 2(x) of our 2018 AFS for a discussion of a new IFRS standard pertaining to leases which we adopted January 1, 2019, eliminating the distinction between operating and finance leases.

#### Toronto Real Property and Related Transactions:

On July 23, 2015, we entered into the Property Sale Agreement with a special purpose entity (Property Purchaser) for a purchase price of approximately \$137 million Canadian dollars (approximately \$100 million at year-end exchange rates), exclusive of applicable taxes and subject to specified adjustments, including for certain density bonuses and other items in accordance with usual commercial practice. Upon execution of the Property Sale Agreement, we were paid a cash deposit of \$15 million Canadian dollars (\$11.2 million at the then-prevailing exchange rate).

In September 2018, the Property Sale Agreement was assigned to the Assignee, although the Property Purchaser was not released from its obligations under the Property Sale Agreement. In connection with the assignment, the Property Sale Agreement was amended to provide for the remaining proceeds of \$122 million Canadian dollars (approximately \$89 million at year-end exchange rates) to be paid in one lump sum cash payment at the closing of the transaction (previously we were to receive one-half of the purchase price in the form of a two-year, interest-free, first-ranking mortgage). Other terms of the agreement remained unchanged. On January 21, 2019, the required municipal zoning approval was obtained. On March 7, 2019, we completed the sale of the real property and received total proceeds of approximately \$110 million, including a high density bonus and an early vacancy incentive related to the temporary relocation of our corporate headquarters. The gain on the sale of this property will be recorded as recoveries through other charges (recoveries). See "Related Party Transactions" below for a description of the ownership of the Property Purchaser and its option to obtain an interest in the Assignee.

In connection with the anticipated sale, we have moved our Toronto manufacturing operations to another location in the Greater Toronto area and in connection therewith, entered into a long-term lease in November 2017, with occupancy commenced in March 2018. We completed the transition to this new manufacturing location in February 2019. In addition, we will enter into a long-term lease with the Assignee for our new corporate headquarters. In connection therewith, we are relocating our corporate headquarters to a temporary location while space in a new office building (to be built by the Assignee on the site of our former location) is under construction. In connection therewith, in September 2018, we entered into a 3-year lease for such temporary offices, and such relocation is currently expected to be completed by the end of the first half of 2019. We have incurred (and will continue to incur) significant costs throughout the transition period (which commenced in the fourth quarter of 2017) to relocate our corporate headquarters and to transfer our Toronto manufacturing operations to its new location, and as we prepare and customize the new site to meet our manufacturing needs. These costs consist of building improvements and new equipment which we will capitalize, as well as transition-related costs which we record in other charges. Transition costs are comprised of direct relocation costs, duplicate costs (such as rent expense, utility costs, depreciation charges, and personnel costs) incurred during the transition period, as well as cease-use costs incurred in connection with idle or vacated portions of the relevant premises that we would not have incurred but for these relocations. We incurred approximately \$17 million in capitalized costs through February 13, 2019 (2018 — \$15 million) for the new manufacturing location, funded from cash on hand. We also expect to incur approximately \$6 million (\$1 million of which has been incurred through February 13, 2019; 2018 — nil) of capitalized building improvements in connection with our temporary corporate headquarters. We expect to incur total transition costs (including in connection with the relocation of our corporate headquarters) of up to \$20 million through the end of the second quarter of 2019. We incurred approximately \$16 million of such costs through February 13, 2019, consisting primarily of utility costs related to idle premises, depreciation charges and personnel costs incurred in the operation of duplicate production lines in advance of the transition, duplicate rent expenses, and relocation costs.

# Share Repurchases:

We have funded and intend to continue to fund our share repurchases from cash on hand, borrowings under our New Revolver, or a combination thereof. See "Cash provided by (used in) financing activities" above.

### Indemnities:

We provide routine indemnifications, the terms of which range in duration and often are not explicitly defined. These may include indemnifications against third-party intellectual property infringement claims and certain third-party negligence claims for property damage. We have also provided indemnifications in connection with the sale of certain businesses and real property. The maximum potential liability from these indemnifications cannot be reasonably estimated. In some cases, we have recourse

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against other parties to mitigate our risk of loss from these indemnifications. Historically, we have not made significant payments relating to these types of indemnifications.

# Litigation and contingencies:

In the normal course of our operations, we may be subject to lawsuits, investigations and other claims, including environmental, labor, product, customer disputes and other matters. Management believes that adequate provisions have been recorded where required. Although it is not always possible to estimate the extent of potential costs, if any, management believes that the ultimate resolution of all such pending matters will not have a material adverse impact on our financial performance, financial position or liquidity. See "Operating Results — Income Taxes" above for a description of certain tax matters.

### Capital Resources

Our capital resources consist of cash provided by operating activities, access to a revolving facility, intraday and overnight bank overdraft facilities, an A/R sales program, the SFP, and our ability to issue debt or equity securities. We regularly review our borrowing capacity and make adjustments, as permitted, for changes in economic conditions and changes in our requirements. As part of our strategic initiatives to scale and diversify our ATS revenue base and expand our capabilities in our ATS segment, we have increased our levels of third-party indebtedness and A/R sales in order to fund acquisitions and working capital needs. In addition, we may use cash on hand, issue equity or debt, or further increase our levels of third-party indebtedness in order to fund operations or additional acquisitions (or any combination of the foregoing). See "Liquidity — Cash requirements" above for a discussion of expected and potential adverse impacts from such actions. We centrally manage our funding and treasury activities in accordance with corporate policies, the main objectives of which are to ensure appropriate levels of liquidity, to have funds available for working capital or other investments we determine are required to grow our business, to comply with debt covenants, to maintain adequate levels of insurance, and to balance our exposures to market risks.

At December 31, 2018, we had cash and cash equivalents of \$422.0 million (December 31, 2017 — \$515.2 million), of which approximately 97% was cash and 3% was cash equivalents, consisting of bank deposits. The majority of our cash and cash equivalents was denominated in U.S. dollars, and the remainder was held primarily in Chinese renminbi and the Euro. We also held cash and cash equivalents in the following currencies: British pound sterling, Brazilian real, Canadian dollar, Czech koruna, Hong Kong dollar, Indian rupee, Japanese yen, Korean won, Lao kip, Malaysian ringgit, Mexican peso, Philippines peso, Romanian leu, Singapore dollar, Taiwan dollar and Thai baht. Our cash and cash equivalents are subject to intra-quarter swings, generally related to the timing of A/R collections, inventory purchases and payments, and other capital uses.

Until June 27, 2018, we were party to the Prior Facility, that consisted of the \$300.0 million Prior Revolver and the fully drawn \$250.0 million Prior Term Loan, each of which was scheduled to mature in May 2020. The Prior Revolver had an accordion feature that allowed us to increase the \$300.0 million limit by an additional \$150.0 million on an uncommitted basis upon satisfaction of certain terms and conditions. The Prior Revolver also included a \$25.0 million swing line, subject to the overall revolving credit limit, that provided for short-term borrowings up to a maximum of seven days. Borrowings under the Prior Revolver bore interest at various base rates selected by us consisting of LIBOR, Prime, Base Rate Canada, and Base Rate (each as defined in the Prior Facility), plus a specified margin. The margin for borrowings under the Prior Revolver ranged from 0.6% to 1.4% (except in the case of the LIBOR loans, in which case, the margin ranged from 1.6% to 2.4%), based on a specified financial ratio based on indebtedness. Outstanding amounts under the Prior Revolver were due at maturity (but were required to be repaid prior thereto under specified circumstances). The Prior Term Loan bore interest at LIBOR plus a margin ranging from 2.0% to 3.0% based on the same financial ratio. The Prior Term Loan required quarterly principal repayments of \$6.25 million, with the remainder due at maturity. Prepayments on the Prior Term Loan were required under certain

circumstances. We were required to comply with certain restrictive covenants under the Prior Facility, including those relating to the incurrence of senior ranking indebtedness, the sale of assets, a change of control, and certain financial covenants related to indebtedness and interest coverage. Certain of our assets were pledged as security for borrowings under the Prior Facility.

In June 2018, we entered into the \$800.0 million New Credit Facility, providing for the \$350.0 million June Term Loan and the \$450 million New Revolver. In November 2018, we added the \$250.0 million November Term Loan. As of December 31, 2018, an aggregate of \$598.3 million was outstanding under the New Term Loans, and other than ordinary course letters of credit, \$159.0 million was outstanding under the New Revolver (December 31, 2017 — \$187.5 million outstanding under the Prior Term Loan and other than ordinary course letters of credits, no amounts outstanding under the Prior Revolver). See "Liquidity — Cash provided by (used in) financing activities — Financing" above for a discussion of amounts borrowed and repaid under our credit facilities during 2016 to 2018. The June Term Loan requires quarterly principal repayments of \$0.875 million commencing September 30, 2018 and the November Term Loan requires quarterly principal repayments of \$0.625 million, commencing March 31, 2019, and in each case

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a lump sum repayment of the remainder outstanding at maturity. See "Liquidity — Cash requirements" above for a description of mandatory prepayments required under the New Credit Facility. Except under specified circumstances, and subject to the payment of breakage costs (if any), we are generally permitted to make voluntary prepayments of outstanding amounts under the New Revolver and the New Term Loans without any other premium or penalty. Repaid amounts on the New Term Loans may not be re-borrowed. Repaid amounts on the New Revolver may be re-borrowed.

The New Credit Facility has an accordion feature that allows us to increase the term loans and/or revolving loan commitments by approximately \$110 million, plus an unlimited amount to the extent that a specified leverage ratio on a pro forma basis does not exceed specified limits, in each case on an uncommitted basis and subject to the satisfaction of certain terms and conditions. The New Revolver also includes a \$50.0 million sub-limit for swing line loans, providing for short-term borrowings up to a maximum of ten business days, as well as a \$150.0 million sub-limit for letters of credit, in each case subject to the overall New Revolver credit limit. The New Revolver permits us and certain designated subsidiaries to borrow funds (subject to specified conditions) for general corporate purposes, including for capital expenditures, certain acquisitions, and working capital needs. Borrowings under the New Revolver bear interest at LIBOR, Canadian Prime, or Base Rate (each as defined in the New Credit Facility) plus a specified margin, or in the case of any bankers' acceptance, at the B/A Discount Rate (as defined in the New Credit Facility). The margin for borrowings under the New Revolver ranges from 0.75% to 2.5%, depending on the rate we select and our consolidated leverage ratio. As a result of our use of the accordion feature of the New Credit Facility in November 2018, interest on the June Term Loan increased from LIBOR plus 2.0% to LIBOR plus 2.125%. The November Term Loan currently bears interest at LIBOR plus 2.5%.

As part of our risk management program, we attempt to mitigate interest rate risk through interest rate swaps. In order to partially hedge against our exposure to interest rate variability on the New Term Loans, we entered into 5-year agreements with a syndicate of third-party banks in August and December 2018 to swap the variable interest rate with a fixed rate of interest on \$175.0 million of the total borrowings outstanding under each of the June Term Loan and the November Term Loan (for an aggregate of \$350.0 million). The swap agreements include an option that allows us to cancel up to \$75.0 million of the notional amount of each of the original swap agreements starting in August 2021 for the June Term Loan and December 2020 for the November Term Loan. The cancellable option in the swap agreements is aligned with our risk management strategy for our New Term Loans as it allows us to make voluntary prepayments of outstanding amounts without premium or penalty, subject to certain conditions. Our unhedged borrowings under the New Credit Facility at December 31, 2018 are \$407.3 million (comprised of \$248.3 million under the New Term Loans and \$159 million under the New Revolver). A one-percentage point increase in relevant interest rates would increase interest expense, based on the outstanding unhedged borrowings at December 31, 2018, by \$4.1 million annually. See note 21(b) of our 2018 AFS for further information regarding our interest rate swaps.

We are required to comply with certain restrictive covenants under the New Credit Facility, including those relating to the incurrence of certain indebtedness, the existence of certain liens, the sale of certain assets (excluding real property then held for sale), specified investments and payments, sale and leaseback transactions, and certain financial covenants relating to a defined interest coverage ratio and leverage ratio that are tested on a quarterly basis. At December 31, 2018, we were in compliance with all restrictive and financial covenants under the New Credit Facility. The obligations under the New Credit Facility are guaranteed by us and certain specified subsidiaries. Subject to specified exemptions and limitations, all assets of the guarantors are pledged as security for the obligations under the New Credit Facility. The New Credit Facility contains customary events of default. If an event of default occurs and is continuing, the administrative agent may declare all amounts outstanding under the New Credit Facility to be immediately due and payable and may cancel the lenders' commitments to make further advances thereunder. In the event of a payment or other specified defaults, outstanding obligations accrue interest at a specified default rate. We incurred debt issuance costs of \$4.9 million in connection with the June Term Loan, and \$5.4 million in connection with the November Term Loan, which we recorded as an offset against the proceeds therefrom. Such costs have been deferred (as long-term debt on our consolidated balance sheet) and will be amortized over the term of the

term loans using the effective interest rate method. We incurred debt issuance costs of \$3.1 million in connection with the New Revolver, which have been deferred (as other assets on our consolidated balance sheet) and will be amortized over the term of the New Revolver. We accelerated the amortization of the remaining \$1.2 million of unamortized deferred financing costs related to the Prior Facility upon its termination (\$0.6 million related to our Prior Revolver recorded in other assets and \$0.6 million related to our Prior Term Loan recorded in long-term debt), and recorded it to other charges in our consolidated financial statements in June 2018.

Commitment fees paid during 2018 were \$1.3 million (2017 — \$1.3 million; 2016 — \$1.4 million). At December 31, 2018, we had \$21.3 million outstanding in letters of credit under the New Revolver (December 31, 2017 — \$23.2 million). We

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also arrange letters of credit and surety bonds outside our revolving facility. At December 31, 2018, we had \$14.4 million of such letters of credit and surety bonds outstanding (December 31, 2017 — \$13.6 million).

At December 31, 2018, we also had a total of \$132.8 million of uncommitted bank overdraft facilities available for intraday and overnight operating requirements (December 31, 2017 — \$73.5 million). There were no amounts outstanding under these overdraft facilities at December 31, 2018 or December 31, 2017.

At December 31, 2018, we had \$269.7 million available under the New Revolver for future borrowings, reflecting outstanding borrowings and letters of credit (December 31, 2017 — \$276.8 million available under the Prior Revolver).

We have an agreement to sell up to \$250.0 million (increased from \$200 million in November 2018 based on a review of our requirements) in accounts receivable on an uncommitted basis (subject to pre-determined limits by customer) to two third-party banks. The term of this agreement has been annually extended in recent years (including in November 2018) for additional one-year periods (and is currently extendable to November 2020 under specified circumstances), but may be terminated earlier as provided in the agreement. At December 31, 2018, \$130.0 million (December 31, 2017 — \$80.0 million) of A/R were sold under this program, and de-recognized from our accounts receivable balance. As our A/R sales program is on an uncommitted basis, there can be no assurance that any of the banks will purchase the A/R we intend to sell to them under this program.

We have entered into the SFP, pursuant to which participating suppliers may sell accounts receivable from such customer to a third-party bank on an uncommitted basis in order to receive earlier payment. The third-party bank collects the relevant receivables directly from the customer. At December 31, 2018, we sold \$50.0 million of accounts receivable under the SFP (December 31, 2017 — \$52.3 million). We utilized the SFP to substantially offset the effect of extended payment terms required by such customer on our working capital for the period. As the SFP is on an uncommitted basis, there can be no assurance that the bank will purchase the A/R we intend to sell to them thereunder. Due to our anticipated disengagement from a portion of this customer's programs in early 2019, we expect to sell a lower amount of A/R under the SFP in future periods.

The timing and the amounts we borrow and repay under our revolving credit and overdraft facilities, or sell under the SFP or our A/R sales program, can vary significantly from month-to-month depending upon our working capital and other cash requirements.

Our strategy on capital risk management has not changed significantly since the end of 2017. Other than the restrictive and financial covenants associated with our New Credit Facility noted above, we are not subject to any contractual or regulatory capital requirements. While some of our international operations are subject to government restrictions on the flow of capital into and out of their jurisdictions, these restrictions have not had a material impact on our operations or cash flows.

# Financial instruments:

Our short-term investment objectives are to preserve principal and to maximize yields without significantly increasing risk, while at the same time not materially restricting our short-term access to cash.

The majority of our cash balances are held in U.S. dollars. We price the majority of our products in U.S. dollars and the majority of our materials costs are also denominated in U.S. dollars. However, a significant portion of our non-materials costs (including payroll, pensions, site costs and costs of locally sourced supplies and inventory) are denominated in various other currencies. As a result, we may experience foreign exchange gains or losses on translation or transactions due to currency fluctuations.

We have a foreign exchange risk management policy in place to govern our hedging activities. We do not enter into speculative trades. Our current hedging activity is designed to reduce the variability of our foreign currency costs where we have local manufacturing operations. We enter into foreign exchange forward contracts to hedge our cash flow exposures and foreign currency swaps to hedge our balance sheet exposures. Balance sheet hedges are based on our forecasts of the future position of net monetary assets or liabilities denominated in foreign currencies and, therefore, may not mitigate the full impact of any translation impacts in the future. There can be no assurance that our hedging transactions will be successful in mitigating our foreign exchange risk.

At December 31, 2018, we had foreign exchange forwards and swaps to trade U.S. dollars in exchange for the following currencies:

Currency	Contract amount in U.S. dollars (in millions)	av	eighted erage change rate U.S. dollars	Maximum period in months	Fair valugain (loss) (in millions	n
Canadian dollar	\$ 210.2	\$	0.76	12	\$ (10.3	)
Thai baht	81.1	0.0	)3	12	(0.7	)
Malaysian ringgit	t 53.4	0.2	24	12	(0.8	)
Mexican peso	25.6	0.0	)5	12	0.2	
British pound	5.3	1.2	27	4	_	
Chinese renminb	i 66.8	0.1	15	12	(1.6	)
Euro	35.8	1.1	17	12	0.3	
Romanian leu	40.4	0.2	25	12	(0.9)	)
Singapore dollar	22.1	0.7	74	12	(0.3	)
Other	3.5	0.0	)1	1	(0.1	)
Total	\$ 544.2				\$ (14.2	)

These contracts, which generally extend for periods of up to 12 months, will expire by the end of the fourth quarter of 2019. The fair value of the outstanding contracts at December 31, 2018 was a net unrealized loss of \$14.2 million (December 31, 2017 — net unrealized gain of \$10.3 million). The unrealized gains or losses are a result of fluctuations in foreign exchange rates between the date the currency forward or swap contracts were entered into and the valuation date at period end.

#### Financial risks:

We are exposed to a variety of risks associated with financial instruments and otherwise.

Currency risk: Due to the global nature of our operations, we are exposed to exchange rate fluctuations on our financial instruments denominated in various currencies. The majority of our currency risk is driven by operational costs, including income tax expense, incurred in local currencies by our subsidiaries. As part of our risk management program, we attempt to mitigate currency risk through a hedging program using forecasts of our anticipated future cash flows and balance sheet exposures denominated in foreign currencies. We enter into foreign exchange forward contracts and swaps, generally for periods up to 12 months, to lock in the exchange rates for future foreign currency transactions, which is intended to reduce the variability of our operating costs and future cash flows denominated in local currencies. While these contracts are intended to reduce the effects of fluctuations in foreign currency exchange rates, our hedging strategy does not mitigate the longer-term impacts of changes to foreign exchange rates. Although our functional currency is the U.S. dollar, currency risk on our income tax expense arises as we are generally required to file our tax returns in the local currency for each particular country in which we have operations. While our hedging program is designed to mitigate currency risk vis-à-vis the U.S. dollar, we remain subject to taxable foreign exchange impacts in our translated local currency financial results relevant for tax reporting purposes. We do not use derivative financial instruments for speculative purposes.

We cannot predict changes in currency exchange rates, the impact of exchange rate changes on our operating results, nor the degree to which we will be able to manage the impact of currency exchange rate changes. Such changes, including as a result of Brexit or other global events impacting currency exchange rates could materially adversely affect our business, results of operations and financial condition.

Interest rate risk: Borrowings under the New Credit Facility bear interest at specified rates, plus specified margins (as described above). We have entered into 5-year interest rate swap agreements with a syndicate of third-party banks in each of August and December 2018 to partially hedge against our exposures to interest rate variability on our New Term Loans. The derivative instruments swap the variable rate of interest for a fixed rate of interest on an aggregate of \$350.0 million of the outstanding borrowings under the New Term Loans. The swap agreements include an option that allows us to cancel up to \$75.0 million of the notional amount of each swap agreement, starting in August 2021 with respect to the June Term Loan and December 2020 with respect to the November Term Loan.

Our unhedged borrowings under the New Credit Facility at December 31, 2018 were \$407.3 million (December 31, 2017 — \$187.5 million under the Prior Credit Facility). Unhedged borrowings expose us to interest rate risk due to the potential variability in market interest rates. A one-percentage point increase in applicable rates would increase interest expense, based on the outstanding unhedged borrowings at December 31, 2018, by \$4.1 million annually. Without accounting for the interest rate swap agreements described above, a one-percentage point increase in applicable rates would increase interest expense, based on our outstanding borrowings of \$757.3 million under the New Credit Facility as at December 31, 2018, by \$7.6 million annually.

Credit risk: Credit risk refers to the risk that a counterparty may default on its contractual obligations resulting in a financial loss to us. We believe our credit risk of counterparty non-performance is relatively low, however, if a key supplier (or any company within such supplier's supply chain) or customer experiences financial difficulties or fails to comply with their contractual obligations, this could result in a financial loss to us. If an institution from which we purchased annuities for our pension plans defaults on their contractual obligations, this would result in a financial loss to us, as we retain ultimate responsibility for the payment of benefits to plan participants unless and until such pension plans are wound-up. With respect to our financial market activities, we have adopted a policy of dealing only with credit-worthy counterparties to help mitigate the risk of financial loss from defaults. We monitor the credit risk of the counterparties with whom we conduct business, through a combined process of credit rating reviews and portfolio reviews.

We also provide unsecured credit to our customers in the normal course of business. Customer exposures that potentially subject us to credit risk include our accounts receivable, inventory on hand, and non-cancellable purchase orders in support of customer demand. From time to time, we extend the payment terms applicable to certain customers, and/or provide longer payment terms when deemed commercially reasonable. Longer payment terms, which have become more prevalent, could adversely impact our working capital requirements, and increase our financial exposure and credit risk. We attempt to mitigate customer credit risk by monitoring our customers' financial condition and performing ongoing credit evaluations as appropriate. In certain instances, we may obtain letters of credit or other forms of security from our customers. We may also purchase credit insurance from a financial institution to reduce our credit exposure to certain customers. We consider credit risk in determining our allowance for doubtful accounts and we believe our allowances, as adjusted from time to time, are adequate. The carrying amount of financial assets recorded in our consolidated financial statements, net of our allowance for doubtful accounts, represents our estimate of maximum exposure to credit risk. At December 31, 2018, approximately 1% of our gross accounts receivable are over 90 days past due. Accounts receivable are net of an allowance for doubtful accounts of \$5.3 million at December 31, 2018 (December 31, 2017 — \$4.3 million).

Liquidity risk: Liquidity risk is the risk that we may not have cash available to satisfy our financial obligations as they come due. The majority of our financial liabilities recorded in accounts payable, accrued and other current liabilities and provisions are due within 90 days. We manage liquidity risk by maintaining a portfolio of liquid funds and investments and having access to a revolving credit facility, intraday and overnight bank overdraft facilities, an accounts receivable sales program and the SFP. Since our accounts receivable sales program and the SFP are each on an uncommitted basis, there can be no assurance that any participant bank will purchase all the accounts receivable that we wish to sell thereunder. However, we believe that cash flow from operating activities, together with cash on hand, cash from the sale of accounts receivable, and borrowings available under the New Revolver and intraday and overnight bank overdraft facilities are sufficient to fund our currently anticipated financial obligations.

See note 21 to our 2018 AFS for further details.

#### **Related Party Transactions**

Onex Corporation (Onex) beneficially owns or controls, directly or indirectly, all of our outstanding multiple voting shares. Accordingly, Onex has the ability to exercise significant influence over our business and affairs and generally has the power to determine all matters submitted to a vote of our shareholders where the subordinate voting shares and multiple voting shares vote together as a single class. Mr. Gerald Schwartz, the Chairman of the Board, President and Chief Executive Officer of Onex, indirectly owns shares representing the majority of the voting rights of Onex. Onex has entered into an agreement with Celestica and with Computershare Trust Company of Canada (as successor to the Montreal Trust Company of Canada), as trustee for the benefit of the holders of the subordinate voting shares, for the purpose of ensuring that the holders of subordinate voting shares will not be deprived of any rights under applicable take-over bid legislation to which they would be otherwise entitled in the event of a take-over bid (as that term is defined in applicable securities legislation) if multiple voting shares and subordinate voting shares were of a single class of shares. Subject to certain permitted forms of sale, such as identical or better offers to all holders of subordinate voting shares, Onex has agreed that it, and any of its affiliates that may hold multiple voting shares from time to time, will not sell any multiple voting shares, directly or indirectly, pursuant to a take-over bid (as that term is defined under applicable securities legislation) under circumstances in which any applicable securities legislation would have required the same offer or a follow-up offer to be made to holders of subordinate voting shares if the sale had been a sale of subordinate voting shares rather than multiple voting shares, but otherwise on the same terms. In January 2009, we entered into a Services Agreement with Onex for the services of Mr. Schwartz (amended in 2017 to replace references to Mr. Schwartz with references to Mr. Tawfiq Popatia, also an officer of Onex) as a director of Celestica, pursuant to which Onex receives compensation for such services. This agreement automatically renews for successive one-year terms unless either party provides a notice of intent not to renew. Under such agreement, as amended, the annual fee payable to Onex is \$235,000 payable in DSUs in equal quarterly installments in arrears. The Services Agreement terminates automatically and the rights of Onex to receive compensation (other than accrued and unpaid compensation) will terminate (a) 30 days after the first day on which Onex ceases to hold at least one multiple voting share of Celestica or any successor company or (b) the date Mr. Popatia ceases to be a director of Celestica for any reason.

The original parties to the Property Sale Agreement were the Company and the Property Purchaser, a consortium of four real estate partnerships. Approximately 27% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a privately-held partnership in which Mr. Schwartz has a material interest; and approximately 25% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a partnership in which Mr. Schwartz has a non-voting interest. In September 2018, the Property Sale Agreement was assigned to the Assignee, although the Property Purchaser was not released from its obligations under the Property Sale Agreement. At the time of execution of such assignment, the Assignee was unrelated to us or the Property Purchaser. Subsequent to the execution of such assignment, the Assignee granted the Property Purchaser an option to obtain a 5% non-voting interest in the Assignee. See "Overview — Recent developments and Liquidity — Toronto Real Property and Related Transactions" above.

#### **Outstanding Share Data**

As of February 13, 2019, we had 118,079,397 outstanding subordinate voting shares and 18,600,193 outstanding multiple voting shares. As of such date, we also had 345,577 outstanding stock options, 5,085,274 outstanding RSUs, 4,223,278 outstanding PSUs (assuming vesting of 100% of the target amount granted (amounts that will vest range from 0% to 200% of the target amount granted)), and 1,627,598 outstanding DSUs; each vested option or unit entitling the holder thereof to receive one subordinate voting share (or in certain cases, cash) pursuant to the terms thereof, subject to certain time or performance-based vesting conditions.

#### Controls and Procedures

Evaluation of disclosure controls and procedures:

Our management is responsible for establishing and maintaining a system of disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the U.S. Exchange Act) designed to ensure that information we are required to disclose in the reports that we file or submit under the U.S. Exchange Act is recorded, processed, summarized and reported within the time periods specified in the U.S. Securities and Exchange Commission's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by an issuer in the reports that it files or submits under the U.S. Exchange Act is accumulated and communicated to the issuer's management, including its principal executive officer or officers and principal financial officer or officers, or persons performing similar functions, as appropriate, to allow timely decisions regarding required disclosure.

Under the supervision of and with the participation of management, including our principal executive officer and principal financial officer, we have evaluated the effectiveness of the design and operation of our disclosure controls and procedures as of December 31, 2018. Based on that evaluation, our principal executive officer and principal financial officer have concluded that, as of December 31, 2018, our disclosure controls and procedures are effective to meet the requirements of Rules 13a-15(e) and 15d-15(e) under the U.S. Exchange Act.

A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that its objectives are met. Due to inherent limitations in all such systems, no evaluation of controls can provide absolute assurance that all control issues within a company have been detected. Accordingly, our disclosure controls and procedures are designed to provide reasonable, not absolute, assurance that the objectives of our disclosure control system are met.

Changes in internal control over financial reporting:

We did not identify any change in our internal control over financial reporting in connection with our evaluation thereof that occurred during the year ended December 31, 2018 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

On April 4, 2018, we completed the acquisition of Atrenne, and, as a result, have integrated the processes and controls relating to Atrenne into our existing system of internal control over financial reporting. The integration of Atrenne did not result in changes that would materially affect, or would be reasonably likely to materially affect, our internal control over financial reporting. On November 9, 2018, we completed the acquisition of Impakt, and are in the process of assessing its processes and internal controls. Although this assessment may result in changes to our internal control over financial reporting, we do not currently anticipate that the integration of Impakt will result in changes that would materially affect, or would be reasonably likely to materially affect, our internal control over financial reporting. In addition, there were no significant changes to our internal control over financial reporting as a result of our preparation for the adoption of IFRS 16 (Leases) effective January 1, 2019.

Management's report on internal control over financial reporting:

Reference is made to our Management's Report on Internal Control over Financial Reporting on page F-1 of our Annual Report on Form 20-F for the year ended December 31, 2018. Our auditors, KPMG LLP, an independent registered public accounting firm, have issued an audit report on our internal control over financial reporting as of December 31, 2018, which appears on page F-2 of such Annual Report.

Unaudited Quarterly Financial Highlights (in millions, except percentages and per share amounts):

	2017*				2018			
	First	Second	Third	Fourth	First	Secon	d Third	Fourth
	Quarter	Quarter	Quarter	Quarter	Quarte	r Quarte	er Quarte	er Quarter
Revenue	\$1,482.	1\$1,557.	6\$1,532.	8\$1,570.2	\$1,499	.7\$1,695	5.2\$1,71	1.3\$1,727.0
Gross margin	6.9 %	67.0 %	66.9	% 6.5 %	6.2	%6.2	% 6.6	% 6.9 %
Net earnings	\$22.5	\$34.6	\$34.8	\$13.6	\$14.1	\$16.1	\$8.6	\$60.1
Weighted average # of basic shares	142.1	143.4	143.7	143.3	142.2	139.6	139.0	136.8
Weighted average # of diluted shares	144.0	145.5	145.7	145.5	143.5	140.7	140.3	138.0
# of shares outstanding	143.2	143.6	143.7	141.8	139.6	139.3	137.4	136.3
IFRS EPS:								
basic	\$0.16	\$0.24	\$0.24	\$0.09	\$0.10	\$0.12	\$0.06	\$0.44
diluted	\$0.16	\$0.24	\$0.24	\$0.09	\$0.10	\$0.11	\$0.06	\$0.44

<sup>\* 2017</sup> quarterly results have been restated to reflect the adoption of IFRS15.

All quarters in the table above have been impacted by our restructuring charges, the amounts of which vary from quarter to quarter.

#### Q4 2018 compared to Q4 2017:

Revenue of \$1.7 billion for the Q4 2018 increased 10% compared to Q4 2017. Compared to Q4 2017, revenue dollars in Q4 2018 from our CCS segment increased 10%. Communications end market revenue increased 7% in Q4 2018 as compared to the prior year period, as increased demand and new programs (including JDM programs) were partially offset by demand softness from certain of our legacy customers. Enterprise end market revenue increased 14% in O4 2018 compared to the prior year period, primarily driven by strong demand in our storage business. ATS segment revenue increased 11% in Q4 2018 compared to Q4 2017, driven by demand strength and new programs in our industrial business and revenue from our Atrenne acquisition, offset in part by weaker than expected demand in our capital equipment business. Gross profit increased \$18.4 million in Q4 2018 as compared to Q4 2017, and gross margin for O4 2018 increased to 6.9% of total revenue compared to 6.5% of total revenue for O4 2017. The increases in gross profit and gross margin were primarily due to higher revenue (primarily in our Enterprise end market and our ATS segment businesses other than capital equipment), changes in CCS program mix, including higher JDM revenues, offset in part by lower utilization and operating losses in our capital equipment business, particularly in our semiconductor business. CCS segment margin for Q4 2018 increased to 3.3% of segment revenue, compared to 2.2% for O4 2017. ATS segment margin decreased from 5.2% for O4 2017 to 3.7% for O4 2018, attributable primarily to the weaker than expected demand from our capital equipment business, resulting in operating losses in this business in Q4 2018 in the mid single-digit million dollar range. Net earnings for Q4 2018 of \$60.1 million were \$46.5 million higher compared to Q4 2017, primarily due to the Impakt Benefit in the fourth quarter of 2018. In addition, the improvement in gross profit was offset in part by \$8.5 million in higher SG&A, \$3.9 million in higher amortization of intangible asset charges (primarily due to our recent acquisitions), and \$6.6 million in higher finance costs in Q4 2018 as compared to Q4 2017.

#### Q4 2018 compared to the third quarter 2018 (Q3 2018):

Revenue for Q4 2018 increased 1% compared to Q3 2018. Compared to the previous quarter, CCS segment revenues were relatively flat, as demand strength from our Enterprise end market (including from JDM), was offset by revenue declines primarily from legacy customers in our Communications end market. ATS segment revenue increased 2% sequentially, as revenue from our recent acquisitions were offset, in part, by a sequential revenue decline in our capital equipment business, as weaker than expected demand resulted in lower utilization and losses for the quarter in this

business (discussed above), due to its high fixed cost infrastructure. Gross margin for Q4 2018 increased to 6.9% of total revenue compared to 6.6% of total revenue for Q3 2018. The increase in gross margin was due primarily to improvements in our CCS segment, reflecting favorable changes in customer and program mix, including higher levels of JDM business. CCS segment margin for Q4 2018 increased to 3.3% of segment revenue compared to 2.7% for Q3 2018, while ATS segment margin decreased from 4.6% in Q3 2018 to 3.7% for Q4 2018 (for the reasons discussed above). Net earnings for Q4 2018 of \$60.1 million were \$51.5 million higher compared to Q3 2018, primarily due to the Impakt Benefit.

#### Selected fourth quarter 2018 IFRS results:

	Actual
IFRS revenue (in billions)	\$1.7
IFRS EPS (diluted)*	\$0.44
IFRS earnings before income taxes as a % of revenue	1.2%
IFRS SG&A (in millions)	\$59.6

<sup>\*</sup> IFRS EPS for the fourth quarter of 2018 of \$0.44 on a diluted basis included an aggregate charge of \$0.18 (pre-tax) per share for employee stock-based compensation expense, amortization of intangible assets (excluding computer software), Toronto transition costs (described below) and restructuring charges. This aggregate charge is within the range we provided on October 24, 2018 of an aggregate charge of between \$0.14 to \$0.20 per share for these items.

#### Fourth quarter 2018 actual compared to guidance

1	1	Q4 2018	
		Guidance	Actual
IFRS revenue (in billions)		\$1.70 to \$1.80	\$1.7
Non-IFRS operating margin		3.5% at the mid-point of our revenue and non-IFRS adjusted EPS guidance ranges	3.5%
Non-IFRS adjusted SG&A (in millions)	1	\$49.0 to \$51.0	\$55.0
Non-IFRS adjusted EPS (dilu	ted)	\$0.27 to \$0.33	\$0.29

For Q4 2018, our revenue was within our guidance range, but slightly below our guidance mid-point as lower than expected demand in our Communications end market and demand softness from our capital equipment business were partially offset by stronger than expected demand in our Enterprise end market. Non-IFRS operating margin for Q4 2018 met our guidance. Non-IFRS adjusted SG&A for Q4 2018 was higher than our guidance range primarily due to higher than expected variable expenses and SG&A costs incurred in connection with our Impakt acquisition. Our non-IFRS adjusted EPS results for Q4 2018 were within our guidance range.

Our guidance includes a range for adjusted EPS (which is a non-IFRS measure and is defined below). Management considers non-IFRS adjusted EPS to be an important measure for investors to understand our core operating performance. A reconciliation of non-IFRS adjusted net earnings to IFRS net earnings is set forth below.

#### Non-IFRS measures:

Management uses adjusted net earnings and the other non-IFRS measures described herein (i) to assess operating performance and the effective use and allocation of resources, (ii) to provide more meaningful period-to-period comparisons of operating results, (iii) to enhance investors' understanding of the core operating results of our business, and (iv) to set management incentive targets. We believe the non-IFRS measures we present herein are useful to investors, as they enable investors to evaluate and compare our results from operations in a more consistent manner (by excluding specific items that we do not consider to be reflective of our ongoing operating results), to evaluate cash resources that we generate each period, and to provide an analysis of operating results using the same measures our chief operating decision makers use to measure performance. In addition, management believes that the use of a non-IFRS adjusted tax expense and a non-IFRS adjusted effective tax rate provides improved insight into the tax effects of our ongoing business operations, and is useful to management and investors for historical comparisons and forecasting. These non-IFRS financial measures result largely from management's determination that the facts and circumstances surrounding the excluded charges or recoveries are not indicative of the ordinary course of the ongoing operation of our business.

We believe investors use both IFRS and non-IFRS measures to assess management's past, current and future decisions associated with our priorities and our allocation of capital, as well as to analyze how our business operates in, or responds to, swings in economic cycles or to other events that impact our core operations.

Non-IFRS measures do not have any standardized meaning prescribed by IFRS and therefore may not be comparable to similar measures presented by other companies. Non-IFRS measures are not measures of performance under IFRS and should not be considered in isolation or as a substitute for any standardized measure under IFRS. The most significant limitation to

management's use of non-IFRS financial measures is that the charges or credits excluded from the non-IFRS measures are nonetheless charges or credits that are recognized under IFRS and that have an economic impact on us. Management compensates for these limitations primarily by issuing IFRS results to show a complete picture of our performance, and reconciling non-IFRS results back to the most directly comparable IFRS results.

In addition to cash cycle days (including the components thereof) and inventory turns (each described under the caption "Other Performance Indicators" above), which have no defined meanings under IFRS, we use the following non-IFRS measures: adjusted gross profit, adjusted gross margin (adjusted gross profit as a percentage of revenue), adjusted SG&A, adjusted SG&A as a percentage of revenue, operating earnings (adjusted EBIAT), operating margin (operating earnings or adjusted EBIAT as a percentage of revenue), adjusted net earnings, adjusted EPS, adjusted ROIC, free cash flow, adjusted tax expense and adjusted effective tax rate. Adjusted EBIAT, adjusted ROIC, free cash flow, adjusted tax expense and adjusted effective tax rate are further described in the tables below. In calculating these non-IFRS financial measures, management excludes the following items, where applicable: employee stock-based compensation expense, amortization of intangible assets (excluding computer software), restructuring and other charges, net of recoveries (as defined below), impairment charges, other solar charges (as defined below), and acquisition inventory fair value adjustments, all net of the associated tax adjustments (which are set forth in the table below), and non-core tax impacts (tax adjustments related to acquisitions, and certain other tax costs or recoveries related to restructuring actions or restructured sites).

The economic substance of these exclusions and management's rationale for excluding them from non-IFRS financial measures is provided below:

Employee stock-based compensation expense, which represents the estimated fair value of stock options, RSUs and PSUs granted to employees, is excluded because grant activities vary significantly from quarter-to-quarter in both quantity and fair value. In addition, excluding this expense allows us to better compare core operating results with those of our competitors who also generally exclude employee stock-based compensation expense in assessing their operating performance, who may have different granting patterns and types of equity awards, and who may use different valuation assumptions than we do.

Amortization charges (excluding computer software) consist of non-cash charges against intangible assets that are impacted by the timing and magnitude of acquired businesses. Amortization of intangible assets varies among our competitors, and we believe that excluding these charges permits a better comparison of core operating results with those of our competitors who also generally exclude amortization charges in assessing operating performance.

Restructuring and other charges, net of recoveries, consist of costs relating to employee severance, lease terminations, site closings and consolidations, write-downs of owned property and equipment which are no longer used and are available for sale, reductions in infrastructure, Toronto transition costs (recoveries) (defined below), acquisition-related consulting, transaction and integration costs (Acquisition Costs), legal settlements (recoveries), and the accelerated amortization of \$1.2 million in unamortized deferred financing costs recorded on the extinguishment of our Prior Facility during the second quarter of 2018. We exclude these restructuring and other charges, net of recoveries, because we believe that they are not directly related to ongoing operating results and do not reflect expected future operating expenses after completion of these activities. We believe these exclusions permit a better comparison of our core operating results with those of our competitors who also generally exclude these charges, net of recoveries, in assessing operating performance.

Toronto transition costs (recoveries) are costs (recoveries) recorded in connection with the sale of our Toronto real property, the relocation of our Toronto manufacturing operations, the move of our corporate headquarters to a temporary location while space in a new office building for such headquarters at our current location is under construction, as well as the move to such new office space upon its completion. Toronto transition costs consist of

direct relocation costs, duplicate costs (such as rent expense, utility costs, depreciation charges, and personnel costs) incurred during the transition period, as well as cease-use costs incurred in connection with idle or vacated portions of the relevant premises that we would not have incurred but for these relocations. Toronto transition recoveries will consist of amounts received from the purchaser of the Toronto real property or gains we record in connection with its sale. We believe that excluding these costs and recoveries permits a better comparison of our core operating results from period-to-period, as these costs will not reflect our ongoing operations once these relocations are complete.

Impairment charges, which consist of non-cash charges against goodwill, intangible assets and property, plant and equipment, result primarily when the carrying value of these assets exceeds their recoverable amount. Our competitors may record impairment charges at different times, and we believe that excluding these charges permits a better comparison of our core operating results with those of our competitors who also generally exclude these charges in assessing operating performance.

Other solar charges, consisting of non-cash charges to further write-down the carrying value of our then-remaining solar panel inventory and the write-down of solar accounts receivable (A/R) (primarily as a result of a solar customer's bankruptcy) to

estimated recoverable amounts, were recorded in the second quarter of 2017 through cost of sales and SG&A expenses, respectively. These impairment charges, which were identified during the wind-down of our solar operations, were excluded as they pertained to a business we had exited, and therefore were no longer directly related to our ongoing core operating results. Although we recorded significant impairment charges to write down our solar panel inventory in the third quarter of 2016, those charges were not excluded in the determination of our non-IFRS financial measures for such period, as we were then still engaged in the solar panel manufacturing business. In connection with this wind-down, we also recorded net non-cash impairment charges to write down the carrying value of our solar panel manufacturing equipment held for sale to its estimated sales value less costs of disposal, which we recorded through other charges during 2017.

Acquisition inventory fair value adjustments relate to the write-up of the inventory acquired in connection with our acquisitions, representing the difference between the cost and fair value of such inventory. Acquired assets and liabilities are recorded on our balance sheet at their fair values as of the date of acquisition. Fair value adjustments are recognized through cost of sales in the period during which the acquired inventory is sold. We recognized the full \$1.6 million adjustment related to inventory acquired from Atrenne during the second quarter of 2018 (as all of the inventory was sold during that quarter), which negatively impacted our gross profit and net earnings for such period. No such adjustment was recorded with respect to inventory acquired from Impakt. We exclude the impact of the recognition of these adjustments, when incurred, because we believe such exclusion permits a better comparison of our core operating results from period-to-period, as their impact is not indicative of our ongoing operating performance.

Non-core tax impacts are excluded, as we believe that these costs or recoveries do not reflect core operating performance and vary significantly among those of our competitors who also generally exclude these charges or recoveries in assessing operating performance.

The following table sets forth, for the periods indicated, the various non-IFRS measures discussed above, and a reconciliation of non-IFRS measures to the most directly comparable IFRS measures, (in millions, except percentages and per share amounts). 2017 financial information has been restated to reflect our adoption, effective January 1, 2018, of IFRS 15.

		ths ended	d December 2018	r 31	Year ended 2017				
	2017 (restated)						2018		
	,	% of		% of	(restated)	% of		% of	
IFRS revenue	\$1,570.2	revenue	\$1,727.0	revenue	\$6,142.7	revenue	\$6,633.2	revenue	
IFRS gross profit	\$101.6	6.5%	\$120.0	6.9%	\$418.5	6.8%	\$430.5	6.5%	
Employee stock-based compensation expense	3.2		3.8		14.6		14.7		
Other solar charges (inventory write-down) Acquisition inventory fair value	_		_		0.9		_		
adjustment					_		1.6		
Non-IFRS adjusted gross profit	\$104.8	6.7%	\$123.8	7.2%	\$434.0	7.1%	\$446.8	6.7%	
IFRS SG&A	\$51.1	3.3%	\$59.6	3.5%	\$203.2	3.3%	\$219.0	3.3%	
Employee stock-based compensation expense	(4.2)		(4.6)		(15.5)		(18.7)		
Other solar charges (A/R	_		_		(0.5)		_		
write-down) Non-IFRS adjusted SG&A	\$46.9	3.0%	\$55.0	3.2%	\$187.2	3.0%	\$200.3	3.0%	
IFRS earnings before income taxes Finance costs	\$21.3 2.6	1.4%	\$20.1 9.2	1.2%	\$133.1 10.1	2.2%	\$81.9 24.4	1.2%	
Employee stock-based compensation	1.7.4		8.4		30.1		33.4		
Amortization of intangible assets	1.1		5.1		5.5		11.6		
(excluding computer software) Net restructuring, impairment and	17.5		16.9		37.0		61.0		
other charges (recoveries) (1) Other solar charges (inventory and			_		1.4		_		
A/R write-down) Acquisition inventory fair value					1.7		1.6		
adjustment	_		_		_		1.6		
Non-IFRS operating earnings (adjusted EBIAT) (1)	\$49.9	3.2%	\$59.7	3.5%	\$217.2	3.5%	\$213.9	3.2%	
IFRS net earnings	\$13.6	0.9%	\$60.1	3.5%	\$105.5	1.7%	\$98.9	1.5%	
Employee stock-based compensatior expense	7.4		8.4		30.1		33.4		
Amortization of intangible assets (excluding computer software)	1.1		5.1		5.5		11.6		
Net restructuring, impairment and other charges (recoveries) (1)	17.5		16.9		37.0		61.0		
Other solar charges (inventory and A/R write-down)	_		_		1.4		_		
Acquisition inventory fair value adjustment	_		_		_		1.6		

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Adjustments for taxes (2) Non-IFRS adjusted net earnings	(0.5 \$39.1	)	(50.8 \$39.7	)	(6.5 \$173.0	)	(56.7 \$149.8	)
Diluted EPS								
Weighted average # of shares (in millions)	145.5		138.0		145.2		140.6	
IFRS earnings per share	\$0.09		\$0.44		\$0.73		\$0.70	
Non-IFRS adjusted earnings per share	\$0.27		\$0.29		\$1.19		\$1.07	
# of shares outstanding at period end (in millions)	141.8		136.3		141.8		136.3	
IFRS cash provided by (used in) operations	\$43.7		\$(1.9	)	\$127.0		\$33.1	
Purchase of property, plant and equipment, net of sales proceeds	(20.6	)	(18.8	)	(101.8	)	(78.5	)
Finance lease payments	(1.7	)	(0.9	)	(6.5	)	(17.0	)
Repayments from former solar supplier					12.5			
Finance costs paid	(2.6	)	(14.3	)	(10.2	)	(36.0	)
Non-IFRS free cash flow (3)	\$18.8		\$(35.9	)	\$21.0		\$(98.4	)
IFRS ROIC % (4)	7.0	%	5.0	%	11.5	%	5.8	%
Non-IFRS Adjusted ROIC % (4)	16.4	%	15.0	%	18.8	%	15.1	%

<sup>(1)</sup> Management uses non-IFRS operating earnings (adjusted EBIAT) as a measure to assess performance related to our core operations. Non-IFRS adjusted EBIAT is defined as earnings before income taxes, finance costs (consisting of interest and fees related to our credit facility, our accounts receivable sales program, and the SFP), amortization of intangible assets (excluding computer software), and in applicable periods, employee stock-based compensation expense, net restructuring and other charges (recoveries) (consisting of restructuring charges (recoveries), Acquisition Costs, legal settlements (recoveries), Toronto transition costs (recoveries), and the accelerated amortization of unamortized deferred financing costs), impairment charges (recoveries), other solar charges, and acquisition inventory fair value adjustments. See "Operating Results -- Other charges" for separate quantification and discussion of impairment charges, and the components of net restructuring and other charges (recoveries).

<sup>(2)</sup> The adjustments for taxes, as applicable, represent the tax effects of our non-IFRS adjustments and non-core tax impacts (described below).

The following table sets forth a reconciliation of our IFRS tax expense and IFRS effective tax rate to our non-IFRS adjusted tax expense and our non-IFRS adjusted effective tax rate for the periods indicated, in each case determined by excluding the tax benefits or costs associated with the listed items (in millions, except percentages) from our IFRS tax expense for such periods:

	Three months ended			Year ended					
		nber 31		December 31					
	2017 t	Effectiv ax rate	e2018	Effective tax rate	$2017 \frac{1}{t}$	Effective tax rate	<sup>e</sup> 2018	Effect tax r	
	(restate	ed)			(restate	ed)			
IFRS tax expense and IFRS effective tax rate	\$7.7	36 %	\$(40.0	)(199)%	\$27.62	21 %	\$(17.0)	(21	)%
Tax costs (benefits) of the following items excluded									
from IFRS tax expense:									
Employee stock-based compensation expense	0.9		1.1		1.7		2.3		
Amortization of intangible assets (excluding computer software)	_				_		_		
Net restructuring, impairment and other charges	(0.4)		0.7		1.0		1.4		
Other solar charges (inventory and A/R write-down)					0.4		_		
Non-core tax impact related to fair value adjustment on acquisitions*	_		49.6		_		53.3		
Non-core tax impacts related to restructured sites**			(0.6	)	3.4		(0.3)	)	
Non-IFRS adjusted tax expense/Non-IFRS adjusted effective tax rate	\$8.2	17 %	\$10.8	21 %	\$34.1	16 %	\$39.7	21	%

<sup>\*</sup> Consists of deferred tax assets attributable to our acquisitions of Atrenne (recorded in the second quarter of 2018) and Impakt (recorded in the fourth quarter of 2018)

- (3) Management uses non-IFRS free cash flow as a measure, in addition to IFRS cash provided by (used in) operations, to assess our operational cash flow performance. We believe non-IFRS free cash flow provides another level of transparency to our liquidity. Non-IFRS free cash flow is defined as cash provided by (used in) operations after the purchase of property, plant and equipment (net of proceeds from the sale of certain surplus equipment and property), finance lease payments, repayments from a former solar supplier, and finance costs paid. As a measure of liquidity, and consistent with the inclusion of our Toronto relocation capital expenditures and transition costs in non-IFRS free cash flow in the periods incurred, we will include amounts we receive from the sale of our Toronto real property in non-IFRS free cash flow in the period of receipt. Note that non-IFRS free cash flow, however, does not represent residual cash flow available to Celestica for discretionary expenditures.
- (4) Management uses non-IFRS adjusted ROIC as a measure to assess the effectiveness of the invested capital we use to build products or provide services to our customers, by quantifying how well we generate earnings relative to the capital we have invested in our business. Our non-IFRS adjusted ROIC measure reflects non-IFRS operating earnings, working capital management and asset utilization. Non-IFRS adjusted ROIC is calculated by dividing non-IFRS adjusted EBIAT by average net invested capital. Net invested capital (calculated in the table below) consists of the following IFRS measures: total assets less cash, accounts payable, accrued and other current liabilities and provisions, and income taxes payable. We use a two-point average to calculate average net invested capital for the quarter and a five-point average to calculate average net invested capital for the year. A comparable measure under IFRS would be determined by dividing IFRS earnings before income taxes by net invested capital (which we have set forth in the charts above and below), however, this measure (which we have called IFRS ROIC), is not a measure defined under IFRS.

<sup>\*\*</sup> Includes the Solar Benefit recorded in the second quarter of 2017.

The following table sets forth, for the periods indicated, our calculation of IFRS ROIC % and non-IFRS adjusted ROIC % (in millions, except IFRS ROIC % and non-IFRS adjusted ROIC %). 2017 financial information has been restated to reflect our adoption, effective January 1, 2018, of IFRS 15.

		Three mon December 2017 (restated)		Year ended December 2017 (restated)	
IFRS earnings before income taxes		\$21.3	\$20.1	\$133.1	\$81.9
Multiplier to annualize earnings		4	4	1	1
Annualized IFRS earnings before income taxes		\$85.2	\$80.4	\$133.1	\$ 81.9
Average net invested capital for the period		\$1,216.5	\$1,594.1	\$1,152.9	\$ 1,413.6
IFRS ROIC % (1)		7.0 %	5.0 %	11.5 %	5.8 %
		Three mon		Year ended	
		December 2017	2018	December 2017	2018
N IEDG ( LEDIATE)		(restated)	φ.co.π	(restated)	Φ 212 0
Non-IFRS operating earnings (adjusted EBIAT) Multiplier to annualize earnings		\$49.9 4	\$59.7 4	\$217.2 1	\$ 213.9 1
Annualized non-IFRS adjusted EBIAT		\$199.6	\$238.8	\$217.2	\$ 213.9
Average net invested capital for the period		\$1,216.5	\$1,594.1	\$1,152.9	\$ 1,413.6
Non-IFRS adjusted ROIC % (1)		16.4 %	15.0 %	18.8 %	15.1 %
	December 31 2017 (restated)	,March 31, 2018	June 30, 2018	September 2018	3 <b>D</b> ,ecember 31, 2018
Net invested capital consists of:	¢ 2.064.2	¢2.076.0	¢2.212.2	¢2.216.1	Ф 2 727 7
Total assets Less: cash	\$ 2,964.2 515.2	\$2,976.0 435.7	\$3,212.2 401.4	\$3,316.1 457.7	\$ 3,737.7 422.0
Less: accounts payable, accrued and other current liabilities, provisions and income taxes payable	1,228.6	1,278.1	1,413.8	1,473.3	1,512.6
Net invested capital at period end (1)	\$ 1,220.4	\$1,262.2	\$1,397.0	\$1,385.1	\$ 1,803.1
Net invested capital consists of:	December 31 2016 (restated)	,March 31, 2017 (restated)	June 30, 2017 (restated)	September 2017 (restated)	3December 31, 2017 (restated)
Total assets Less: cash	\$ 2,841.9 557.2	\$2,833.5 558.0	\$2,876.7 582.7	\$2,892.0 527.0	\$ 2,964.2 515.2
Less: accounts payable, accrued and other current liabilities, provisions and income taxes payable	1,189.7	1,165.2	1,167.9	1,152.4	1,228.6
Net invested capital at period end <sup>(1)</sup> (1) See footnote 4 of the previous table.	\$ 1,095.0	\$1,110.3	\$1,126.1	\$1,212.6	\$ 1,220.4

Recently issued accounting pronouncements:

IFRS 16, Leases:

In January 2016, the IASB issued this standard, which brings most leases on-balance sheet for lessees under a single model, eliminating the distinction between operating and finance leases. IFRS 16 supersedes IAS 17, Leases, and related interpretations, and is effective for periods beginning on or after January 1, 2019. We adopted this standard effective January 1, 2019 applying the modified retrospective approach, whereby the cumulative effect of adopting IFRS 16 will be recognized as an adjustment to the opening retained deficit balance as of January 1, 2019, without restatement of prior period comparative information. We have implemented changes to our business processes, systems and controls to enable the preparation of our consolidated financial statements in accordance with IFRS 16. We will recognize new right-of-use assets and lease liabilities related to the majority of our operating leases on our consolidated balance sheet as of January 1, 2019 upon initial application of IFRS 16. The amortization of these assets will be recognized as a depreciation charge, and the interest expense on the lease liabilities will be recognized as finance costs in our consolidated statement of operations. Previously, we recognized operating lease expenses on a straight-line basis over the lease term generally in cost of sales or SG&A in our consolidated statement of operations. No significant changes are expected for our existing finance leases nor for any leases in which we are a lessor. Although we are completing our analysis of the impact of adopting IFRS 16, we anticipate that the initial application of the new standard will have a material impact on our consolidated financial statements, and we currently estimate that we will recognize right-of-use assets and lease liabilities on our consolidated financial statements of approximately \$113 million as of January 1, 2019. The opening retained deficit adjustment is not expected to be material.

Research and development, patents and licenses, etc.

The information required by this item is set forth above in Item 4(B) "Information on the Company — Business Overview — Research and Technology Development."

**Trend Information** 

The information required by this item is set forth above in "Overview," "Operating Results," and "Liquidity and Capital Resources," in Item 3(D) "Key Information — Risk Factors," and in Item 4(B) "Information on the Company — Business Overview."

**Off-Balance Sheet Arrangements** 

Not applicable.

#### Item 6. Directors, Senior Management and Employees

## A. Directors and Senior Management

Each director of Celestica is elected by the shareholders to serve until the close of the next annual meeting of shareholders or until a successor is elected or appointed, unless such office is earlier vacated in accordance with the Corporation's by-laws. The following table sets forth certain information regarding the current directors and executive officers of Celestica as of February 13, 2019.

Name	1	Age	Director Since	Position with Celestica	Reside	nce		
William A. Etherington	(1)	77	2001	Chair of the Board		Ontario, Canada		
Robert A. Cascella <sup>(2)</sup>	(	64	2019	Director	Florida	ı, U.S.		
Deepak Chopra <sup>(3)</sup>	4	55	2018	Director	Ontario	o, Canada		
Daniel P. DiMaggio	(	68	2010	Director	Georgi			
Laurette T. Koellner	(	64	2009	Director	Florida	ı, U.S.		
Carol S. Perry	(	68	2013	Director	Ontario	o, Canada		
Tawfiq Popatia		44	2017	Director	Ontario	o, Canada		
Eamon J. Ryan	-	73	2008	Director	Ontario	o, Canada		
Michael M. Wilson	(	67	2011	Director	Alberta	a, Canada		
Robert A. Mionis	4	55	2015	Director, President and Chief Executive Officer	New H	ampshire, U.S.		
			ecutive					
Name	Age			Position with Celestica		Residence		
			nce					
1	42	20		Chief Financial Officer		Ontario, Canada		
1	49	20		Chief Operations Officer		Connecticut, U.S.		
Elizabeth L. DelBianco	59	19	9X	Chief Legal and Administrative Officer and Corpor Secretary	rate	Ontario, Canada		
John ("Jack") J. Lawless	58	20	15	President, ATS		Georgia, U.S.		
Jason Phillips <sup>(5)</sup>	44	20	19	President, CCS		North Carolina, U.S.		
Michael P. McCaughey	56	20	07	Advisor		Québec, Canada		
- ·	46	20	16	Chief Strategy Officer		Colorado, U.S.		

<sup>(1)</sup> Chair of the Board since April 2012.

<sup>(2)</sup> Director since February 1, 2019.

<sup>(3)</sup> Director since April 27, 2018.

<sup>(4)</sup> Executive Officer since January 4, 2018.

<sup>(5)</sup> Executive Officer since January 1, 2019.

The following is a brief biography of each of Celestica's directors, director nominees and executive officers: William A. Etherington. Mr. Etherington is a corporate director. In addition to being the Chair of the Board of Celestica, he is also a director of Onex\* (a public company). He is a former director and non-executive Chairman of the board of directors of the Canadian Imperial Bank of Commerce (a public company), and a former director of St. Michael's Hospital. In 2001, Mr. Etherington retired as Senior Vice President and Group Executive, Sales and Distribution, IBM Corporation (a public company), and as Chairman, President and Chief Executive Officer of IBM World Trade Corporation. He holds a Bachelor of Science degree in Electrical Engineering and a Doctor of Laws (Hon.) from Western University.

 $_*$ Onex holds an approximate 80% voting interest in Celestica. See "Controlling Shareholder Interest" under Item 4(B) above.

Robert A. Cascella. Mr. Cascella is currently an Executive Vice President and Executive Committee member of Royal Philips, a public Dutch multinational healthcare company. He is also the Chief Executive Officer (CEO) of their Diagnosis and Treatment businesses. He served as the President and CEO of Hologic, Inc., a public medical device and diagnostics company, from 2003 to 2013. He has also held senior leadership positions at CFG Capital, NeoVision Corporation and Fischer Imaging Corporation. Mr. Cascella served on Hologic, Inc.'s board of directors from 2008 to 2013. He also previously served on the board of Tegra Medical and acted as chair of the boards of Dysis Medical and Miranda Medical. He holds a Bachelor's degree in Accounting from Fairfield University.

Deepak Chopra. Mr. Chopra most recently served as President and Chief Executive Officer of Canada Post Corporation from February 2011 to March 2018. He has more than 30 years of global experience in the financial services, technology, logistics and supply-chain industries. Mr. Chopra worked for Pitney Bowes Inc., a NYSE-traded technology company known for postage meters, mail automation and location intelligence services, for more than 20 years. He served as President of Pitney Bowes Canada and Latin America from 2006 to 2010. He held a number of increasingly senior executive roles internationally, including President of its new Asia Pacific and Middle East region from 2001 to 2006 and Chief Financial Officer for the Europe, Africa and Middle East (EAME) region from 1998 to 2001. He has previously served on the boards of Canada Post Corporation, Purolator Inc., SCI Group, the Canada Post Community Foundation, the Toronto Region Board of Trade and the Conference Board of Canada. He currently sits on the board of The North West Company Inc., a TSX-traded retailer. Mr. Chopra is a Fellow of the Institute of Chartered Professional Accountants of Canada and has a Bachelor's degree in Commerce (Honours) and a Master's Degree in Business Management (PGDBM).

Daniel P. DiMaggio. Mr. DiMaggio is a corporate director. Prior to retiring in 2006, he spent 35 years with United Parcel Services (UPS) (a public company), most recently as Chief Executive Officer of the UPS Worldwide Logistics Group. Prior to leading UPS' Worldwide Logistics Group, Mr. DiMaggio held a number of positions at UPS with increasing responsibility, including leadership roles for the UPS International Marketing Group, as well as the Industrial Engineering function. In addition to his senior leadership roles at UPS, Mr. DiMaggio was a member of the board of directors of Greatwide Logistics Services, Inc.\* and CEVA Logistics (a public company). He holds a Bachelor of Science degree from the Lowell Technological Institute (now the University of Massachusetts Lowell).

\*Mr. DiMaggio was serving as a director of Greatwide Logistics Services, Inc., a privately held company, when that entity filed for bankruptcy in 2008.

Laurette T. Koellner. Ms. Koellner is a corporate director. She most recently served as Executive Chairman of International Lease Finance Corporation, an aircraft leasing subsidiary of American International Group, Inc. (AIG) from 2012 until its sale in 2014. Ms. Koellner retired as President of Boeing International, a division of The Boeing Company, in 2008. While at Boeing, she was a member of the Office of the Chairman and served as the Executive Vice President, Internal Services, Chief Human Resources and Administrative Officer, President of Shared Services, and Corporate Controller. Ms. Koellner currently serves on the board of directors of Papa John's International, Inc., The Goodyear Tire & Rubber Company, and Nucor Corporation, all public companies. Ms. Koellner previously served on the board of directors and was the Chair of the Audit Committee of Hillshire Brands Company (a public company, formerly Sara Lee Corporation and now merged with Tyson Foods, Inc.), and on the board of directors of AIG (a public company). She holds a Bachelor of Science degree in Business Management from the University of Central Florida and a Master of Business Administration from Stetson University, as well as a Certified Professional

Contracts Manager designation from the National Contracts Management Association.

Carol S. Perry. Ms. Perry is a corporate director. She is Chair of the Independent Review Committee of the mutual funds managed by 1832 Asset Management L.P., a mutual fund manager and wholly-owned affiliate of The Bank of Nova Scotia. She also serves as Chair of the Independent Review Committees of investment funds managed by Jarislowsky Fraser Limited and MD Financial Management Inc., which are subsidiaries of The Bank of Nova Scotia. Previously, she was a Commissioner of the Ontario Securities Commission, and has served on adjudicative panels and acted as a director and Chair of its Governance and Nominating Committee. With over 20 years of experience in the investment industry as an investment banker, Ms. Perry held senior positions with leading financial services companies including RBC Capital Markets, Richardson Greenshields of Canada Limited and CIBC World Markets and later founded MaxxCap Corporate Finance Inc., a financial advisory firm. She is a former director of Softchoice Corporation, Atomic Energy of Canada Limited and DALSA Corporation. Ms. Perry has a Bachelor of Engineering Science (Electrical) degree from the University of Western Ontario and a Master of Business Administration degree from the University of Toronto. She also holds the professional designation ICD.D from the Institute of Corporate Directors.

Tawfiq Popatia. Mr. Popatia has been a Managing Director of Onex\* since 2014 and leads its efforts in automation, aerospace and other transportation-focused industries, having joined the firm in 2007. Prior to joining Onex, Mr. Popatia worked at the private equity firm of Hellman & Friedman LLC and in the Investment Banking Division of Morgan Stanley & Co. Mr. Popatia currently serves on the boards of Advanced Integration Technology, an aerospace automation company, and BBAM, a provider of commercial jet aircraft leasing, financing and management. He previously served on the board of Spirit Aerosystems (a public company), and is a former Employer Trustee of the International Association of Machinists National Pension Fund. Mr. Popatia holds a Bachelor of Science degree in Microbiology and a Bachelor of Commerce degree in Finance from the University of British Columbia.

\*\*Onex holds an approximate 80% voting interest in Celestica. See "Controlling Shareholder Interest" under

Eamon J. Ryan. Mr. Ryan is a corporate director. He is the former Vice President and General Manager, Europe, Middle East and Africa for Lexmark International Inc. (a public company). Prior to that, he was the Vice President and General Manager, Printing Services and Solutions Manager, Europe, Middle East and Africa. Mr. Ryan joined Lexmark International Inc. in 1991 as the President of Lexmark Canada. Prior to that, he spent 22 years at IBM Canada, where he held a number of sales and marketing roles in its Office Products and Large Systems divisions. Mr. Ryan's last role at IBM Canada was Director of Operations for its Public Sector, a role he held from 1986 to 1990. He holds a Bachelor of Arts degree from the University of Western Ontario.

Item 4(B) above.

Michael M. Wilson. Mr. Wilson is a corporate director. Until his retirement in December 2013, he was the President and Chief Executive Officer, and a director, of Agrium Inc. (a public agricultural crop inputs company that has subsequently merged with Potash Corporation of Saskatchewan Inc. to form Nutrien Ltd.), and has over 30 years of international and executive management experience. Prior to joining Agrium Inc., Mr. Wilson served as President of Methanex Corporation (a public company), and held various senior positions in North America and Asia during his 18 years with The Dow Chemical Company (a public company). Mr. Wilson also currently serves on the board of directors of Air Canada and Suncor Energy Inc., and previously served on the board of directors of Finning International Inc. (each a public company), and was also the past Chair of the Calgary Prostate Cancer Centre. He holds a degree in Chemical Engineering from the University of Waterloo.

Robert A. Mionis. Mr. Mionis has been President and Chief Executive Officer of the Corporation since August 1, 2015. From July 2013 until August 2015, he was an Operating Partner at Pamplona Capital Management (Pamplona), a global private equity firm focused on companies in the industrial, aerospace, healthcare and automotive segments. Before joining Pamplona, Mr. Mionis spent over six years as the President and CEO of StandardAero, a global aerospace maintenance, repair and overhaul company. Before StandardAero, Mr. Mionis held senior leadership roles at Honeywell, most recently as the head of the Integrated Supply Chain Organization for Honeywell Aerospace. Prior to Honeywell, Mr. Mionis held a variety of progressively senior leadership roles with General Electric (GE) and Axcelis Technologies (each a public company) and AlliedSignal. Mr. Mionis has been serving on the board of directors of Shawcor Ltd., a TSX-listed energy company, since 2018. He holds a Bachelor of Science in Electrical Engineering from the University of Massachusetts.

Mandeep Chawla. Mr. Chawla has been Chief Financial Officer of the Corporation since October 2017. As Chief Financial Officer, Mr. Chawla is responsible for overseeing Celestica's financial strategy, as well as its accounting, financial and investor relations functions. Mr. Chawla joined Celestica in 2010 and has held a variety of roles, including most recently Senior Vice President, Finance and Interim Chief Financial Officer. Prior to joining Celestica, he held financial management roles with MDS Inc., Tyco International, and General Electric. Mr. Chawla holds a Master of Finance degree from Queen's University and a Bachelor of Commerce degree from McMaster University. He holds a CPA, CMA of Ontario, Canada designation.

Todd C. Cooper. Mr. Cooper joined Celestica as Chief Operations Officer in 2018 with over 25 years of experience in operations leadership and advisory roles. Prior to joining Celestica, Mr. Cooper led Supply Chain, Procurement, Logistics, and Sustainability value creation efforts across the portfolio companies of KKR, a leading global investment firm, from 2008 to 2018. Prior to that, he was the Vice President of Global Sourcing in Honeywell's Aerospace Division from 2005 to 2008. Before Honeywell, Mr. Cooper held various management roles at Storage Technology Corporation, McKinsey & Company, and served as a Captain in the U.S. Army.

Elizabeth L. DelBianco. Ms. DelBianco is Chief Legal and Administrative Officer and Corporate Secretary. In this role, she oversees legal, contracts, brand and communications, human resources and sustainability. Ms. DelBianco joined Celestica in 1998 and since that time has been responsible for managing legal, governance, and compliance matters for Celestica on a global basis. Prior to joining Celestica, Ms. DelBianco was a senior corporate legal advisor in the telecommunications industry. She holds a Bachelor of Arts degree from the University of Toronto, a Bachelor of Laws degree from Queen's University, and a Master of Business Administration degree from Western University. She is admitted to practice in Ontario and New York.

John ("Jack") J. Lawless. Mr. Lawless is President, ATS. In this role, he is responsible for the strategy and execution of Celestica's aerospace and defense, industrial, healthtech, smart energy, and capital equipment businesses. He has served in this role since joining Celestica in October 2015; however, his title changed in October 2016 from Executive Vice President, Diversified Markets in order to reflect organizational developments made to better align with the Corporation's business strategy and operational model. From 2009 to 2014, Mr. Lawless was the CEO of Associated Air Center, a subsidiary of StandardAero, one of the world's largest independent global aerospace maintenance, repair and overhaul companies. He also held the role of Chief Operating Officer of StandardAero, where he was responsible for operations, supply chain, quality, IT, and engineering. Prior to StandardAero, Mr. Lawless held a number of Vice President-level roles with Honeywell. Before joining Honeywell, he held progressively senior positions with Axcelis Technologies, General Cable and AlliedSignal.

Jason Phillips. Mr. Phillips was appointed President, CCS, effective January 1, 2019. In this role, he is responsible for the Corporation's enterprise and communications businesses and customers. From 2014 to 2018, he served as Senior Vice President for the Corporation's enterprise and cloud solutions businesses, where he was central to building the Corporation's JDM business. From 2008 to 2014, he held various positions within the Corporation's enterprise and communications business. Prior to joining Celestica, Mr. Phillips held various leadership roles with global EMS companies. He holds a BSBA from the University of North Carolina at Chapel Hill - Kenan-Flagler Business School. Michael P. McCaughey. Mr. McCaughey became an Advisor to the Corporation, effective January 1, 2019. In this role, he provides strategic advice to the Corporation and transitional support. From 2012 through 2018, he served as President, CCS and was responsible for strategic direction of the Corporation's enterprise and communications businesses, including its managed services businesses. From 2005 to 2012, he held senior positions within the Corporation's enterprise and communications businesses. Prior to joining Celestica in 2005, Mr. McCaughey held the role of Senior Vice President, Wireline Network Systems, at Sanmina-SCI. Before joining Sanmina-SCI, Mr. McCaughey held senior roles at Hyperchip Inc. and SCI Systems (prior to that company's merger with Sanmina). He holds a DEC in Electrotechnology from Vanier College and studied Electrical Engineering at McGill University. Nicolas Pujet. Mr. Pujet has been Chief Strategy Officer since July 2016. In this role, he leads Celestica's strategy and corporate development including the design and development of the Company's vision, strategic framework and planning activities in support of the Company's business objectives, as well as mergers and acquisitions. Prior to joining Celestica, Mr. Pujet spent more than 16 years in various strategic and leadership roles. From 2003 to 2016, he served in various strategy positions at Level 3 Communications. Most recently, he was the Senior Vice President, Corporate Strategy and was responsible for that company's strategic outlook and strategic planning and analyses worldwide. From 1999 to 2003, Mr. Pujet served as a management consultant with McKinsey & Company, a global management consulting firm. He holds a Ph.D. in Aeronautics and Astronautics from MIT. There are no family relationships among any of the foregoing persons, and there are no arrangements or

There are no family relationships among any of the foregoing persons, and there are no arrangements or understandings with any person pursuant to which any of our directors or executive officers were selected. None of the directors of the Corporation during 2018, or current directors or nominees serve together as directors of other corporations.

The following table identifies the functional competencies, expertise and qualifications of the Corporation's current directors and nominees pursuant to a skills matrix developed by the Nominating and Governance Committee to identify functional competencies, expertise and qualifications that our Board would ideally possess:

#### B. Compensation

**Director Compensation** 

Director compensation is set by the Board on the recommendation of the Compensation Committee and in accordance with director compensation guidelines and principles established by the Nominating and Corporate Governance Committee. Under these guidelines and principles, the Board seeks to maintain director compensation at a level that is competitive with director compensation at comparable companies, and requires a substantial portion of such compensation to be taken in the form of DSUs. The director fee structure for 2018 is set forth in Table 1 below. Table 1: Directors' Fee<sup>(1)</sup>

Director Fee Structure Element

for 2018<sup>(2)</sup>

\$360,000 – Board Chair Annual Board Retainer(3) \$235,000 – Directors

Travel Fees<sup>(4)</sup> \$2,500 Annual Retainer for the Audit Committee Chair \$20,000 Annual Retainer for the Compensation \$15,000 Committee Chair

Annual Retainer for the Nominating and

Corporate Governance Committee Chair<sup>(5)</sup>

Directors must elect to be paid either 100% or 75% of their

aggregate annual retainers (including committee Chair retainers) and

travel fees in the form of DSUs

Does not include Mr. Mionis, President and Chief Executive Officer ("CEO") of the Corporation, whose

(1) compensation is set out in Table 15. Does not include fees payable to Onex for the service of Mr. Popatia as a director, which is described in footnote 7 to Table 2.

Directors may also receive further retainers and meeting fees for participation on ad hoc committees. No fees were

- paid for participation on the Director Search Committee (an ad hoc committee formed to identify potential new directors) during 2018. The Board has the discretion to grant supplemental equity awards to individual directors as deemed appropriate (no such discretion was exercised in 2018).
- (3) Paid on a quarterly basis.

DSU Election<sup>(6)</sup>

- The travel fee is available only to directors who travel outside of their home state or province to attend a Board or Committee meeting.
- (5) The Chair of the Board also served as the Chair of the Nominating and Corporate Governance Committee in 2018, for which no additional fee was paid.

Credited on a quarterly basis. The number of DSUs granted are calculated by dividing the notional cash amount for (6) the quarter by the closing price of SVS on the NYSE on the last business day of such quarter. If no election is made, 100% of a director's aggregate annual retainer and travel fees will be paid in DSUs.

Subject to the terms of the Directors' Share Compensation Plan, each DSU represents the right to receive one SVS or an equivalent value in cash (at the Corporation's discretion) when the director (a) ceases to be a director of the Corporation and (b) is not an employee of the Corporation or a director or employee of any corporation that does not deal at arm's length with the Corporation (collectively, "Retires"). The date used in valuing the DSUs for settlement is the date that is 45 days following the date on which the director Retires, or as soon as practicable thereafter. DSUs are redeemed and payable on or prior to the 90th day following the date on which the director Retires. The number of DSUs granted is calculated by dividing the fee that would otherwise be payable by the closing price of SVS on the NYSE on the last business day of the quarter.

As part of the Compensation Committee's 2018 competitive review of director compensation (the "2018 Review"), the Compensation Committee engaged Willis Towers Watson (the "Compensation Consultant") to provide market information on director compensation policies and practices. The 2018 Review included a review of the mix of the elements of director compensation. As a result of the 2018 Review, amendments to director compensation and related

changes to the Directors' Share Compensation Plan were approved effective January 1, 2019 by the Compensation Committee and the Board. Specifically, directors who are paid for their service on the Board were previously required to elect to receive either 75% or 100% of their annual board fees, committee chair retainer fees and travel fees (collectively, "Annual Fees") in DSUs. Effective January 1, 2019, each such director may elect to receive 0%, 25% or 50% of their Annual Fees in cash, with the balance in DSUs, until such director has

satisfied the requirements of the Director Share Ownership Guidelines described (and defined) under Director Share Ownership Guidelines below. Once a director has satisfied the requirements of the Director Share Ownership Guidelines, the director may then elect to receive 0%, 25% or 50% of their Annual Fees in cash, with the balance in either DSUs or RSUs. If a director does not make an election, 100% of such director's Annual Fees will be paid in DSUs.

2019 Director Elections

Prior to Satisfaction of Director Share
Ownership Guidelines
Option 1
Option 2
Option 3
Option 3
Option 3
Option 5
Option 5
Option 7
Option 7
Option 7
Option 3
Optio

RSUs granted to directors will be governed by the terms of the Corporation's Long-Term Incentive Plan ("LTIP"). Grants of RSUs will be credited quarterly in arrears. The number of RSUs to be granted to a director will be determined by multiplying the amount of such director's Annual Fees for the quarter by the percentage of the Annual Fees that the director elected to receive in the form of RSUs and dividing the product by the closing price of the SVS on the NYSE on the last business day of the quarter. Each quarterly grant of RSUs will vest in installments of one-third per year on the first, second and third anniversary dates of the grant. Each vested RSU will entitle the holder thereof to one SVS. Unvested RSUs will vest immediately on the date that the director Retires. These changes were made in order to provide additional payment options for directors who have already met or exceeded the requirements of the Director Share Ownership Guidelines and to provide an option for greater liquidity to our long-serving Board members. See Directors' Ownership of Securities – Director Share Ownership Guidelines. Directors' Fees Earned in 2018

All compensation paid in 2018 by the Corporation to its directors is set out in Table 2, except for the compensation of Mr. Mionis, President and CEO of the Corporation, which is set out in Table 15, and Mr. Cascella, who was appointed to the Board effective February 1, 2019. In 2018, the Board (excluding Mr. Popatia – see footnote 7 to Table 2) earned total Annual Fees in the amount of \$1,776,250, including total grants of DSUs in the amount of \$1,542,187.

Table 2: Director Fees Earned in Respect of 2018

	Annual Fees I	Allocation of Annual Fees <sup>(1)</sup>				
Name	Annual Board Retainer	Annual Committee Chair Retainer	Travel Fees	Total Fees	DSUs <sup>(2)</sup>	Cash <sup>(3)</sup>
Deepak Chopra <sup>(4)</sup>	\$176,250	_	_	\$176,250	\$132,187	7\$44,063
Daniel P. DiMaggio	\$235,000	_	\$10,000	\$245,000	\$183,750	)\$61,250
William A. Etherington <sup>(5)</sup>	\$360,000	_	_	\$360,000	\$360,000	)_
Laurette T. Koellner	\$235,000	\$20,000(6)	\$10,000	\$265,000	\$198,750	)\$66,250
Carol S. Perry	\$235,000	_	_	\$235,000	\$235,000	)_
Tawfiq Popatia <sup>(7)</sup>	_	_	_	_	_	_
Eamon J. Ryan	\$235,000	\$15,000(8)	_	\$250,000	\$187,500	)\$62,500
Michael M. Wilson	\$235,000	_	\$10,000	\$245,000	\$245,000	)_

Directors were required to elect to receive either 75% or 100% of their 2018 Annual Fees (set forth in the "Total Fees" column above) in DSUs (i.e., at least 75% of such fees were payable in DSUs in 2018). The Annual Fees received by directors in DSUs for 2018 were credited quarterly, and the number of DSUs granted in respect of the amounts credited quarterly was determined using the closing price of the SVS on the NYSE on the last business day of each quarter, which was \$10.35 on March 29, 2018, \$11.87 on June 29, 2018, \$10.83 on September 28, 2018 and \$8.77 on December 31, 2018.

Amounts in this column for each of Messrs. Chopra, DiMaggio and Ryan and Ms. Koellner (who elected to receive 75% of their 2018 Annual Fees in DSUs), represent the grant date fair value of DSUs issued in respect of 75% of their 2018 Annual Fees. Amounts in this column for each of Messrs. Etherington and Wilson and Ms. Perry (who

- (2) their 2018 Annual Fees. Amounts in this column for each of Messrs. Etherington and Wilson and Ms. Perry (who elected to receive 100% of their Annual Fees paid in DSUs), represent the grant date fair value of DSUs issued in respect of 100% of their 2018 Annual Fees. The grant date fair value of the grants is the same as their accounting value.
- (3) Amounts in this column for Messrs. Chopra, DiMaggio and Ryan and Ms. Koellner represent the portion of their 2018 Annual Fees (25%), which they elected to have paid in cash.

- (4)Mr. Chopra was elected to the Board of Directors effective April 27, 2018.
  - During 2018, Mr. Etherington was the Chair of the Board and the Chair of the Nominating and Corporate
- (5) Governance Committee. Mr. Etherington received an annual Board Chair retainer fee in the amount of \$360,000. He did not receive a committee chair annual retainer in his capacity as Chair of the Nominating and Corporate Governance Committee.
- (6) Represents the annual retainer for the Chair of the Audit Committee.
  - Mr. Popatia is an officer of Onex and did not receive any compensation in his capacity as a director of the Corporation in 2018; however, Onex received compensation for providing the services of Mr. Popatia as a director in 2018 pursuant to a Services Agreement between the Corporation and Onex, entered into on January 1, 2009 (as amended January 1, 2017, the "Services Agreement"). The Services Agreement automatically renews for successive one year terms unless the Corporation or Onex provide notice of intent not to renew. The Services Agreement
- (7) terminates automatically and the rights of Onex to receive compensation (other than accrued and unpaid compensation) will terminate (a) 30 days after the first day on which Onex ceases to hold at least one MVS of Celestica or any successor company or (b) the date Mr. Popatia ceases to be a director of Celestica, for any reason. Onex receives compensation under the Services Agreement in an amount equal to \$235,000 per year (consistent with current annual Board retainer fees), payable in DSUs in equal quarterly installments in arrears. The number of DSUs is determined using the closing price of the SVS on the NYSE on the last day of the fiscal quarter in respect of which the installment is to be credited.
- (8) Represents the annual retainer for the Chair of the Compensation Committee.

Directors' Ownership of Securities

Outstanding Share Based Awards

Information concerning all outstanding share based awards as of December 31, 2018 made by the Corporation to each director proposed for election at the Meeting (other than Mr. Mionis, whose information is set out in Table 16, and Mr. Cascella, who was appointed to the Board effective February 1, 2019), including awards granted prior to 2018, is set out in Table 3. Such awards consist solely of DSUs. DSUs that were granted prior to January 1, 2007 may be settled in the form of SVS issued from treasury, SVS purchased in the open market, or an equivalent value in cash (at the discretion of the Corporation). DSUs granted after January 1, 2007 may only be settled in SVS purchased in the open market or an equivalent value in cash (at the discretion of the Corporation). In 2005, the Corporation amended the LTIP to prohibit grants to directors of options to acquire SVS. There are no options granted to directors (or former directors) prior to the foregoing amendment that remain outstanding.

Table 3: Outstanding Share Based Awards

	Number of	Market Value of
Name	Outstanding DSUs <sup>(1)</sup>	Outstanding DSUs(2)
	(#)	(\$)
Deepak Chopra <sup>(3)</sup>	12,804	\$112,291
Daniel P. DiMaggio	186,932	\$1,639,394
William A. Etherington	419,552	\$3,679,471
Laurette T. Koellner	212,688	\$1,865,274
Carol S. Perry	123,702	\$1,084,867
Tawfiq Popatia <sup>(4)</sup>	_	_
Eamon J. Ryan	262,768	\$2,304,475
Michael M. Wilson	190,013	\$1,666,414

- (1) Represents all outstanding DSUs, including the regular quarterly grant of DSUs issued on January 1, 2019 in respect of the fourth quarter of 2018.
- (2) The market value of DSUs was determined using a share price of \$8.77, which was the closing price of the SVS on the NYSE on December 31, 2018.
- (3)Mr. Chopra was elected to the Board of Directors effective April 27, 2018.

(4)

Mr. Popatia had no share-based awards from the Corporation outstanding as of December 31, 2018; however 219,139 DSUs have been issued to Onex (and are outstanding) pursuant to the Services Agreement since its inception, including 22,749 DSUs issued to Onex for the services of Mr. Popatia as a director of the Corporation in 2018. For further information see footnote 7 to Table 2.

## Changes in Directors' Equity Interest

The following table sets out, for each director proposed for election at the Meeting (other than Mr. Mionis, whose information is set out in Table 16), such director's direct or indirect beneficial ownership of, or control or direction over, shares and share-based awards in the Corporation as of February 13, 2019, and any changes therein since February 14, 2018, the date of disclosure in the Corporation's 2017 Annual Report on Form 20-F (the "2017 Annual Report").

Table 4: Changes in Directors' Equity Interest<sup>1)</sup>

Name	Date	SVS	Share-Based Awards (DSUs)	Total
Name	Date	(#)	(#)	(#)
	Feb. 14, 2018	_	N/A	_
Robert A. Cascella <sup>(2)</sup>	Feb. 13, 2019	_	N/A	_
	Change	_	N/A	_
	Feb. 14, 2018	_	_	_
Deepak Chopra <sup>(2)</sup>	Feb. 13, 2019	_	12,804	12,804
	Change	_	12,804	12,804
	Feb. 14, 2018	_	169,144	169,144
Daniel P. DiMaggio	Feb. 13, 2019	_	186,932	186,932
	Change	_	17,788	17,788
	Feb. 14, 2018	10,000	384,702	394,702
William A. Etherington <sup>(3)</sup>	Feb. 13, 2019	10,000	)419,552	429,552
	Change	_	34,850	34,850
	Feb. 14, 2018	_	193,448	193,448
Laurette T. Koellner	Feb. 13, 2019	_	212,688	212,688
	Change	_	19,240	19,240
	Feb. 14, 2018	_	100,953	100,953
Carol S. Perry	Feb. 13, 2019	_	123,702	123,702
	Change	_	22,749	22,749
	Feb. 14, 2018	_	_	_
Tawfiq Popatia <sup>(3)(4)</sup>	Feb. 13, 2019	_	_	_
	Change	_	_	_
	Feb. 14, 2018	_	244,617	244,617
Eamon J. Ryan	Feb. 13, 2019	_	262,768	262,768
	Change	_	18,151	18,151
	Feb. 14, 2018	_	166,296	166,296
Michael M. Wilson	Feb. 13, 2019	_	190,013	190,013
	Change	_	23,717	23,717

<sup>(1)</sup> Information as to SVS beneficially owned, or controlled or directed, directly or indirectly, is not within the Corporation's knowledge and therefore has been provided by each individual set forth in the table.

**Director Share Ownership Guidelines** 

<sup>(2)</sup> Mr. Cascella was appointed to the Board of Directors effective February 1, 2019. Mr. Chopra was elected to the Board of Directors effective April 27, 2018.

As of February 13, 2019, Mr. Etherington also owned 10,000 subordinate voting shares of Onex and Mr. Popatia (3) owned 8,894 subordinate voting shares of Onex. Other than Messrs. Etherington and Popatia, no director of the Corporation during 2018 owned, and no current director nominee owns, shares of Onex.

<sup>22,749</sup> DSUs were issued to Onex for the services of Mr. Popatia as a director of the Corporation in 2018. 219,139

(4) DSUs have been issued to Onex (and are outstanding) pursuant to the Services Agreement since its inception.

Onex's beneficial ownership of securities of the Corporation (which does not include DSUs) is set forth in footnote 2 to the Major Shareholder's Table in Item 7(A).

The Corporation has minimum shareholding requirements (the "Director Share Ownership Guidelines") for directors who are not employees or officers of the Corporation or Onex (see Executive Share Ownership for share ownership guidelines applicable to Mr. Mionis in his role as President and CEO of the Corporation). Subject to the amendment described below, the Director Share Ownership Guidelines require that a director hold SVS and/or DSUs with an aggregate value equal to 150% of the annual retainer and that the Chair of the Board hold SVS and/or DSUs with an aggregate value equal to 187.5% of the annual retainer. Directors have five years from January 1, 2016 or from the time of their appointment to the Board, as applicable, to comply with the Director Share Ownership Guidelines. Effective January 1, 2019, directors may elect to receive 0%, 25% or 50% of their Annual Fees in

cash, with the balance in DSUs, until the director has satisfied the requirements of the Director Share Ownership Guidelines. Once a director has satisfied the requirements of the Director Share Ownership Guidelines, the director may then elect to receive the non-cash portion of their Annual Fees in either DSUs or RSUs. See Director Compensation above. As a result, the Director Share Ownership Guidelines were amended effective January 1, 2019 to include the value of any unvested RSUs held by a director in determining whether such director has maintained compliance with such guidelines after initial satisfaction. Although directors subject to the Director Share Ownership Guidelines will not be deemed to have breached such Guidelines by reason of a decrease in the market value of the Corporation's securities, such directors are required to purchase further securities within a reasonable period of time after such occurrence to comply with the Director Share Ownership Guidelines. Each director's holdings of securities are reviewed annually as of December 31. The following table sets out, for each applicable director proposed for election at the Meeting, whether such director was in compliance with the Director Share Ownership Guidelines as of December 31, 2018.

Table 5: Shareholding Requirements

	Shareholding Requirements						
Director <sup>(1)</sup>	Target Value as of	Value as of	Met Target as of				
	December 31, 2018	December 31, 2018 (2)	December 31, 2018				
Deepak Chopra <sup>(3)</sup>	\$352,500	\$112,291	Not yet applicable				
Daniel P. DiMaggio	\$352,500	\$1,639,394	Yes				
William A. Etherington	\$675,000	\$3,679,471	Yes				
Laurette T. Koellner	\$352,500	\$1,865,274	Yes				
Carol S. Perry	\$352,500	\$1,084,867	Yes				
Eamon J. Ryan	\$352,500	\$2,304,475	Yes				
Michael M. Wilson	\$352,500	\$1,666,414	Yes				

As President and CEO of the Corporation, Mr. Mionis is subject to the Executive Share Ownership Guidelines. As an officer of Onex, Mr. Popatia is not subject to the Director Share Ownership Guidelines. Mr. Cascella will be required to comply with the Director Share Ownership Guidelines within five years of his appointment to the Board.

Attendance of Directors at Board and Committee Meetings

The following table sets forth the attendance of directors at Board meetings and at meetings of those standing committees of which they are members, from January 1, 2018 to February 13, 2019. All then-members of the Board attended the Corporation's last annual meeting of shareholders.

Table 6: Directors' Attendance at Board and Committee Meetings

				C	Meeti	ngs
					Atten	ded %
Director	Board	Audit	Compensation	Nominating and Corporate Governance	Board	lCommittee
Robert A. Cascella <sup>(1)</sup>	_	1 of 1	_	_	_	100%
Deepak Chopra <sup>(1)</sup>	5 of 5	4 of 4	4 of 4	2 of 2	100%	100%
Daniel P. DiMaggio	10 of 10	6 of 7	6 of 6	4 of 4	100%	94%
William A. Etherington	10 of 10	7 of 7	6 of 6	4 of 4	100%	100%
Laurette T. Koellner	10 of 10	7 of 7	6 of 6	4 of 4	100%	100%
Robert A. Mionis	10 of 10	_	_	_	100%	_
Carol S. Perry	10 of 10	7 of 7	6 of 6	4 of 4	100%	100%
Tawfiq Popatia	10 of 10	_	_	_	100%	_
Eamon J. Ryan	10 of 10	7 of 7	6 of 6	4 of 4	100%	100%

<sup>(2) \$8.77,</sup> which was the closing price of the SVS on the NYSE on December 31, 2018.

<sup>(3)</sup> Mr. Chopra was elected to the Board of Directors effective April 27, 2018 and he is required to comply with the Director Share Ownership Guidelines within five years of his election.

10 of 10 6 of 7 6 of 6 4 of 4 Michael M. Wilson

100% 94%

Mr. Cascella was appointed to the Board of Directors effective February 1, 2019. Mr. Chopra was elected to the Board of Directors effective April 27, 2018.

#### COMPENSATION DISCUSSION AND ANALYSIS

This Compensation Discussion and Analysis sets out the policies of the Corporation for determining compensation paid to the Corporation's CEO, its Chief Financial Officer ("CFO"), and the three other most highly compensated executive officers (collectively, the "Named Executive Officers" or "NEOs"). The NEOs who are the subject of this Compensation Discussion and Analysis are:

- Robert A. Mionis President and CEO;
- Mandeep Chawla CFO;

Michael P. McCaughey – President, CCS (effective January 1, 2019, Mr. McCaughey's title was changed to Advisor); John "Jack" J. Lawless – President, ATS; and

• Todd C. Cooper – Chief Operations Officer.

A description and explanation of the significant elements of compensation awarded to the foregoing NEOs during 2018 is set out in the section Compensation Discussion and Analysis – 2018 Compensation Decisions. Note Regarding Non-IFRS Measures

This Compensation Discussion and Analysis contains references to operating margin, adjusted return on invested capital ("adjusted ROIC"), and adjusted earnings per share ("EPS"), each of which are non-International Financial Reporting Standards ("IFRS") measures. With respect to all references to these measures, please note the following: Non-IFRS operating margin is defined as non-IFRS operating earnings divided by revenue. Non-IFRS operating earnings is defined as earnings before income taxes, finance costs (consisting of interest and fees relating to the Corporation's credit facility, accounts receivable sales program and a customer's supplier financing program), amortization of intangible assets (excluding computer software), and in applicable periods, employee stock based compensation expense, net restructuring and other charges (recoveries) (consisting of restructuring charges (recoveries), acquisition-related consulting, transaction, and integration costs, legal settlements (recoveries), Toronto transition costs (recoveries), and the accelerated amortization of unamortized deferred financing costs), impairment charges (recoveries), charges relating to the Corporation's solar panel manufacturing business ("Solar Charges") and acquisition inventory fair value adjustments ("FVAs").

Adjusted ROIC is determined by dividing non-IFRS operating earnings by average net invested capital, where net invested capital consists of the following IFRS measures: total assets less cash, accounts payable, accrued and other current liabilities and provisions, and income taxes payable, using a five-point average to calculate average net invested capital for the year.

Adjusted EPS is determined by dividing non-IFRS adjusted net earnings by the weighted average number of diluted shares for the applicable period. Non-IFRS adjusted net earnings is defined as net earnings before amortization of intangible assets (excluding computer software), and in applicable periods, employee stock based compensation expense, net restructuring and other charges (recoveries) (as defined above), impairment charges (recoveries), Solar Charges, FVAs, the tax impact of the foregoing items, and non-core tax impacts (tax adjustments related to acquisitions, and certain other tax costs or recoveries related to restructuring actions or restructured sites). See "Non-IFRS measures" in the Corporation's Management's Discussion and Analysis for the first three quarters of 2018 (available at www.sec.gov) and in Item 5 of this Annual Report for, among other things, a discussion of the exclusions used to determine these non-IFRS measures, how these non-IFRS measures are used, as well as a reconciliation of historical non-IFRS operating margin, non-IFRS adjusted ROIC, and non-IFRS adjusted EPS to the most directly comparable IFRS measures. These non-IFRS measures do not have any standardized meanings prescribed by IFRS and therefore may not be comparable to similar measures presented by other companies.

#### Compensation Objectives

The Corporation's executive compensation philosophies and practices are designed to attract, motivate and retain the leaders who drive the success of the Corporation. The Compensation Committee reviews compensation policies and practices regularly, considers related risks, and makes any adjustments it deems necessary to ensure the compensation policies are not reasonably likely to have a material adverse effect on the Corporation.

A substantial portion of the compensation of our executives is linked to the Corporation's performance. The Compensation Committee establishes target compensation with reference to the median compensation of a comparator group of Celestica's competitors, major suppliers, customers, and other major international technology companies that generally fall in the range of 50% to 200% of Celestica's revenue (such group, the "Comparator Group"). However, neither each element of compensation nor total compensation is expected to match the median of such Comparator Group exactly. NEOs have the opportunity for higher compensation for performance that exceeds target performance goals, and will receive lower compensation for performance that is below target performance goals.

The 2018 compensation package was designed to:

ensure executives are compensated fairly and in a way that does not result in the Corporation incurring undue risk or encouraging executives to take inappropriate risks;

provide competitive fixed compensation (i.e., base salary and benefits), as well as a substantial amount of at-risk pay through our annual and equity based incentive plans;

reward executives, through both annual cash incentives and long-term equity based incentives, for achieving operational and financial results that meet or exceed the Corporation's business plan and that are superior to those of direct competitors in the electronics manufacturing services ("EMS") industry;

align the interests of executives and shareholders through long-term equity based compensation;

recognize tenure and utilize a multi-year approach for setting and transitioning target compensation for executives who are new in their role;

reflect internal equity, recognize fair and appropriate compensation levels relative to differing roles and responsibilities, and encourage executives to work as a team to achieve corporate results; and ensure direct accountability for the annual operating results and the long-term financial performance of the Corporation.

#### Independent Advice

The Compensation Committee, which has the sole authority to retain and terminate an executive compensation consultant, has engaged the Compensation Consultant since October 2006 as its independent compensation consultant to assist in identifying appropriate comparator companies against which to evaluate the Corporation's compensation levels, to provide data about those companies, and to provide observations and advice with respect to the Corporation's compensation practices versus those of the Comparator Group and the market in general.

The Compensation Consultant also provides advice (upon request) to the Compensation Committee on the policy recommendations prepared by management and keeps the Compensation Committee apprised of market trends in executive compensation. The Compensation Consultant attended portions of all Compensation Committee meetings held in 2018, in person or by telephone, as requested by the Chair of the Compensation Committee. At each of its meetings, the Compensation Committee held an in camera session with the Compensation Consultant without any member of management being present. Decisions made by the Compensation Committee, however, are the responsibility of the Compensation Committee and may reflect factors and considerations supplementary to the information and advice provided by the Compensation Consultant.

Each year, the Compensation Committee reviews the scope of activities of the Compensation Consultant and, if it deems appropriate, approves the corresponding budget. During such review, the Compensation Committee also considers the independence

factors required to be considered by the NYSE prior to the selection or receipt of advice from a compensation consultant. After consideration of such independence factors and prior to engaging the Compensation Consultant in 2018, the Compensation Committee determined that the Compensation Consultant was independent. The Compensation Consultant meets with the Chair of the Compensation Committee and management at least annually to identify any initiatives requiring external support and agenda items for each Compensation Committee meeting throughout the year. The Compensation Consultant reports directly to the Chair of the Compensation Committee and is not engaged by management. The Compensation Consultant may, with the approval of the Compensation Committee, assist management in reviewing and, where appropriate, developing and recommending compensation programs to align the Corporation's practices with competitive practices. Any such service in excess of \$25,000 provided by the Compensation Consultant relating to executive compensation must be pre approved by the Chair of the Compensation Committee. In addition, any non-executive compensation consulting service in excess of \$25,000 must be submitted by management to the Compensation Committee for pre-approval, and any services that will cause total non executive compensation consulting fees to exceed \$25,000 in aggregate in a calendar year must also be pre approved by the Compensation Committee.

The following table sets out the fees paid by the Corporation to the Compensation Consultant in each of the past two

Table 7: Fees of the Compensation Consultant

Year Ended December 31 2018 2017

Executive Compensation-Related Fees<sup>(1)</sup> C\$328,828C\$246,859

All Other Fees

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Services for 2018 and 2017 included support on executive compensation matters that are part of its annual agenda (e.g., executive compensation competitive market analysis, review of trends in executive compensation, peer group review, pay-for-performance analysis and assistance with executive compensation-related disclosure), annual

(1) valuation of PSUs for accounting purposes, TSR peer group analysis, attendance at all Compensation Committee meetings, and support with ad-hoc executive compensation issues that arose throughout the year. Services for 2018 also included a compensation risk assessment and the 2018 Review of director compensation. Services for 2017 also included advice on incentive plan design changes and research and commentary on strategic incentive awards.

**Compensation Process** 

Executive compensation is determined as part of an annual process followed by the Compensation Committee, as supported by the Compensation Consultant, as follows:

Before/At Commencement of the

Performance Period

• Review and approve Comparator
• Review of pay-for-performance alignment

- Review of Comparator Group compensation and pay positioning
- Establish target compensation levels
- Review trends in executive compensation
- Establish performance objectives
- Conduct risk assessment of compensation programs

During the Performance Period

- relative to Comparator Group
- Evaluate interim performance relative to objectives
- Approve appointments to designated positions and any related compensation changes
- Reevaluate Comparator Group and update for the next performance period
- Review management succession plans, including retention value of unvested equity awards

After the Performance Period

- Evaluate individual performance relative to objectives
- Determine achievement of performance criteria for annual and long term incentives

The Compensation Committee reviews and approves compensation for the CEO and the other NEOs, including base salaries, target annual incentive awards under the CTI and equity based incentive grants. The Compensation Committee evaluates the performance of the CEO relative to financial and business goals and objectives approved by the Board from time to time for such purpose. The Compensation Committee reviews data for the Comparator Group and other competitive market data, and consults

with the Compensation Consultant before exercising its independent judgment to determine appropriate compensation levels. The CEO reviews the performance evaluations of the other NEOs with the Compensation Committee and provides compensation recommendations. The Compensation Committee considers these recommendations, reviews market compensation information, consults with the Compensation Consultant, and then exercises its independent judgment to determine if any adjustments are required prior to approval of the compensation of such other NEOs. The Compensation Committee generally meets five times a year, in January, April, July, October and December. At the July meeting, the Compensation Committee, based on recommendations from the Compensation Consultant, approves the Comparator Group that will be used for the compensation review for the following year. At the October meeting, the Compensation Consultant presents a competitive analysis of the total compensation for each of the NEOs, including the CEO, with reference to the established Comparator Group as well as other competitive market data. Using this analysis, the CEO develops base salary and equity based incentive recommendations for the NEOs which are then reviewed with the Compensation Consultant. The CEO's compensation is determined by the Compensation Committee in consultation with the Compensation Consultant with input from the Corporation's chief human resources executive. At the December meeting, preliminary compensation proposals for the CEO and the NEOs for the following year are reviewed, including base salary recommendations and the value and mix of their equity based incentives. By reviewing the compensation proposals in advance, the Compensation Committee is afforded sufficient time to discuss and provide input regarding proposed compensation changes prior to the January meeting at which time the Compensation Committee approves the compensation proposals, revised as necessary or appropriate, based on input provided at the December meeting. Previous grants of equity based awards and their current retention value are reviewed and may be taken into consideration when making decisions related to equity based compensation. The Compensation Committee also considers the potential value of the total compensation package for the CEO, which is stress-tested at different levels of performance and different stock prices to ensure that there is an appropriate link between pay and performance, taking into consideration the range of potential total compensation. The CEO and the NEOs are not present at the Compensation Committee meetings when their respective compensation is discussed.

Based on a management plan approved by the Board, CTI targets for the relevant year are approved by the Compensation Committee at the beginning of the year. The Compensation Committee reviews the Corporation's performance relative to these targets and the projected payment at the October and December meetings. At the January meeting of the following year, final payments under the CTI, as well as the vesting percentages for any previously granted equity based incentives that have performance vesting criteria, are calculated and approved by the Compensation Committee based on the Corporation's year-end results as approved by the Audit Committee. The amounts related to the CTI are then paid in February.

The Compensation Committee may exercise its discretion to either award compensation absent attainment of a relevant performance goal or similar condition, or to reduce or increase the size of any award or payout to any NEO. The Compensation Committee did not exercise such discretion for 2018 compensation with respect to any NEO. Compensation Risk Assessment and Governance Analysis

The Compensation Committee, in performing its duties and exercising its powers under its mandate, considers the implications of the risks associated with the Corporation's compensation policies and practices. This includes: identifying any such policies or practices that encourage executive officers to take inappropriate or excessive risks, identifying risks arising from such policies and practices that are reasonably likely to have a material adverse effect on the Corporation, and considering the risk implications of the Corporation's compensation policies and practices and any proposed changes to them.

The Corporation's compensation programs are designed with a balanced approach aligned with its business strategy and risk profile. A number of compensation practices have been implemented to mitigate potential compensation policy risk. The Compensation Consultant completed a risk assessment in 2018. It is the Compensation Committee's view that the Corporation's 2018 compensation policies and practices did not promote excessive risk-taking that would be reasonably likely to have a material adverse effect on the Corporation, and that appropriate risk mitigation features are in place within the Corporation's compensation program. In reaching its opinion, the Compensation Committee reviewed key risk-mitigating features in the Corporation's compensation governance processes and compensation

# Edgar Filing: Apollo Global Management LLC - Form 10-Q structure including the following:

#### Governance

Compensation
Decision-Making Process

Non-binding Shareholder Advisory Vote on Executive Compensation

Annual Review of Incentive Programs

External Independent Compensation Advisor

Overlapping Committee Membership • The Corporation has formalized compensation objectives to help guide compensation decisions and incentive design and to effectively support its pay-for-performance policy (see Compensation Discussion and Analysis – Compensation Objectives).

- The Corporation annually holds an advisory vote on executive compensation, allowing shareholders to express approval or disapproval of its approach to executive compensation.
- Each year, the Corporation reviews and sets performance measures and targets for the CTI and for PSU grants under the Celestica Share Unit Plan ("CSUP") and the LTIP that are aligned with the business plan and the Corporation's risk profile to ensure continued relevance and applicability.
- When new compensation programs are considered, they are stress tested to ensure potential payouts would be reasonable within the context of the full range of performance outcomes. CEO compensation is stress tested annually.
- On an ongoing basis, the Compensation Committee retains the services of an independent compensation advisor, to provide an external perspective as to marketplace changes and best practices related to compensation design, governance and compensation risk management.
- All of the Corporation's independent directors sit on the Compensation Committee to provide continuity and to facilitate coordination between the Committee's and the Board's respective oversight responsibilities.

Compensation Program Design

Review of Incentive Programs

- At appropriate intervals, Celestica conducts a review of its compensation strategy, including pay philosophy and program design, in light of business requirements, market practice and governance considerations.
- For the NEOs, a significant portion of target total direct compensation is delivered through variable compensation (CTI and long term, equity based incentive plans).
- The majority of the value of target variable compensation is delivered through grants under long term, equity based incentive plans which are subject to time and/or performance vesting requirements.
- The mix of variable compensation provides a strong pay-for-performance relationship.
- The NEO compensation package provides a competitive base level of compensation through salary, and mitigates the risk of encouraging the achievement of short term goals at the expense of creating and sustaining long term shareholder value, as NEOs benefit if shareholder value increases over the long term.
- Celestica's "one-company" annual incentive plan (the CTI) helps to mitigate risk-taking by tempering the results of any one business unit on Celestica's overall corporate performance, and aligning executives and employees in the various business units and regions with corporate goals.
- The CTI ensures a holistic assessment of performance with ultimate payout tied to measurable corporate financial metrics.
- Individual performance is assessed based on business results, teamwork and key accomplishments, and market performance is captured through RSUs as well as PSUs (which vest based on performance relative to both absolute and relative financial targets).
- For 2018, a specified corporate profitability requirement was established for any payout to occur under the CTI.
- Additionally, a second performance measure must be achieved for payment above target.
- Each of the CTI and PSU payouts have a maximum payout of two times target.

Incentive Programs

Fixed versus Variable Compensation

"One-company" Annual Incentive Plan

Balance of Financial Performance Metrics as well as Absolute and Relative Performance Metrics

Minimum Performance Requirements and Maximum Payout Caps

# Share Ownership Requirement

- The Corporation's share ownership guidelines require executives to hold a significant minimum amount of the Corporation's securities to help align their interests with those of shareholders' and the long term performance of the Corporation.
- This practice also mitigates against executives taking inappropriate or excessive risks to improve short term performance at the expense of longer-term objectives.
- In the event of the cessation of Mr. Mionis' employment with the Corporation for any reason, he will be required to retain the share ownership level set out in the Executive Share Ownership Guidelines on his termination date for the 12 month period immediately following his termination date as set out in Mr. Mionis' amended CEO employment agreement effective August 1, 2016 (the "CEO Employment Agreement").

Anti-hedging and Anti-pledging Policy

- Executives and directors are prohibited from entering into speculative transactions and transactions designed to hedge or offset a decrease in market value of equity securities of the Corporation granted as compensation or purchasing securities of the Corporation on margin, borrowing against securities of the Corporation held in a margin account, or pledging Celestica securities as collateral for a loan.
- A "clawback" policy provides for recoupment of incentive-based compensation from the CEO and CFO that was received during a specified period in the event of an accounting restatement due to material non compliance with financial reporting requirements as a result of misconduct, as well as any profits realized from the sale of securities during such period (see - "Clawback" Provisions).
- In addition, all longer term incentive awards made to NEOs may be subject to recoupment if certain employment conditions are breached.
- The LTIP and CSUP currently provide for change of control treatment for outstanding equity based on a "double trigger" requirement.
- NEOs' entitlements on termination without cause are in part contingent on complying with confidentiality, non solicitation and non competition obligations (two years).
- Periodic scenario testing of the executive compensation programs is conducted, including a pay-for-performance analysis.

"Double Trigger"

"Clawback" Policy

**Severance Protection** 

Pay-For-Performance • Analysis

**Comparator Group** 

The Compensation Committee establishes salary, annual incentive and equity based incentive awards with reference to the median of such elements for the Comparator Group, but is not bound to any target percentile for any element of compensation of the Comparator Group. The Comparator Group is comprised of a selection of the Corporation's competitors, major suppliers, customers, and other international technology companies that generally fall in the range of 50% to 200% of the Corporation's revenues and is approved annually by the Compensation Committee. The Compensation Committee also considers the Corporation's business objectives and its participation in global markets when approving the Comparator Group. While the Corporation is incorporated and headquartered in Canada, our business is global and we compete for executive talent worldwide with companies in the technology industry. Our global recruiting strategy has been evidenced by the fact that several of our executive officers were not recruited from Canada; and in fact, the Corporation's three most recent CEOs have come from the United States. There are no EMS competitor companies in the Comparator Group that are headquartered in Canada. For non-EMS companies, competitors of similar size and scope within Canada would not provide the desired global perspective. As a result, the determination of the Comparator Group is not bound by geographic limitations and instead includes a representation from a broad group of relevant companies which are publicly traded and against which the Corporation competes for executive leaders. Most of the companies in the current Comparator Group are based in the United States. The Comparator Group chosen in 2017 was used to establish 2018 executive compensation. In 2018, Level 3 Communications was acquired by another company and was subsequently removed from the Comparator Group. Applied Materials Inc. was also removed from the Comparator Group since its revenue was outside of an acceptable range for comparison. The Comparator Group chosen in 2018 to establish 2019 executive compensation was reviewed and approved by the Compensation Committee, and is set out in Table 8 below.

Table	8.	Comparator	Group(1)	
1 auto	ο.	Comparator	OIOUD.	

Industry Company Name	2017 Annual Revenue (billions)	Industry Company Name	2017 Annual Revenue (billions)	Industry Company Name	2017 Annual Revenue (billions)
Electronic Manufacturing Services		Communications		Technology Hardware, Storage, Peripherals	
Flex Ltd.	\$23.9	Harris Corp.	\$5.9	NCR Corp.	\$6.5
Jabil Circuit, Inc.	\$19.1	Juniper Networks, Inc.	\$5.0	NetApp, Inc.	\$5.5
Sanmina Corporation	\$6.9	Motorola Solutions	\$6.4		
Benchmark	\$2.5	ARRIS Internationa	1\$6.6		
Plexus Corp.	\$2.5				
Electronic Components		Diversified Markets	<b>;</b>	Semiconductor	
Corning Inc.	\$10.1	Agilent Technologies Inc.	\$4.5	Advanced Micro Devices Inc.	\$5.3
Amphenol Corporation	\$7.0	-		Lam Research	\$8.0
				NVIDIA Corp. Overall	\$6.9
				25th Percentile	\$5.3
				50th Percentile	\$6.5
				75th Percentile	\$7.0
				Celestica Inc.	\$6.1

(1) All data was provided by the Compensation Consultant (sourced by it from Standard & Poor's Capital IQ), reflecting fiscal year 2017 revenue for each company, and is presented in U.S. dollars.

Additionally, broader market compensation survey data for other similarly sized organizations as well as Canadian market data provided by the Compensation Consultant is analyzed in accordance with a process approved by the Compensation Committee. The Compensation Committee considered such survey data, among other matters, in making compensation decisions. In addition to the survey data, proxy disclosure of the Comparator Group companies for the most recently completed fiscal year was considered when determining the compensation of the CEO and the other NEOs.

#### Anti-Hedging and Anti-Pledging Policy

The Insider Trading Policy prohibits executives from, among other things, entering into speculative transactions and transactions designed to hedge or offset a decrease in market value of equity securities of the Corporation granted as compensation. Accordingly, executive officers may not sell short the Corporation's securities, buy or sell put or call options on the Corporation's securities, or purchase financial instruments (including prepaid variable contracts, equity swaps, collars or units of exchange funds) which are designed to hedge or offset a decrease in market value of the Corporation's securities. Executive officers are also prohibited from purchasing the Corporation's securities on margin, borrowing against the Corporation's securities held in a margin account, or pledging the Corporation's securities as collateral for a loan. The directors of the Corporation also must comply with the provisions of the Insider Trading policy which prohibit hedging and/or pledging of the Corporation's securities.

#### "Clawback" Provisions

The Corporation is subject to the "clawback" provisions of the Sarbanes Oxley Act of 2002. Accordingly, if the Corporation is required to restate financial results due to material non compliance with financial reporting requirements as a result of misconduct, the CEO and CFO would be required to reimburse the Corporation for any

bonuses or incentive based compensation they had received during the 12 month period following the first public issuance or filing with the SEC (whichever is earlier) of a financial document embodying such financial reporting requirement, as well as any profits they had realized from the sale of securities of the Corporation during that 12-month period.

In addition, under the terms of the stock option grants and the PSU and RSU grants made under the LTIP and the CSUP, a NEO may be required by the Corporation to repay an amount equal to the market value of the shares (or in the case of options, the intrinsic value realized by the executive) at the time of release, net of taxes, if, within 12 months of the release date, the executive:

accepts employment with, or accepts an engagement to supply services, directly or indirectly to, a third party that is in competition with the Corporation or any of its subsidiaries; or

fails to comply with, or otherwise breaches, the terms and conditions of a confidentiality agreement or non disclosure agreement with, or confidentiality obligations to, the Corporation or any of its subsidiaries; or

on his or her behalf or on another's behalf, directly or indirectly recruits, induces or solicits, or attempts to recruit, induce or solicit any current employee or other individual who is/was supplying services to the Corporation or any of its subsidiaries.

Executives who are terminated for cause also forfeit all unvested RSUs, PSUs and stock options as well as all vested and unexercised stock options.

Compensation Elements for the Named Executive Officers

The compensation of the NEOs in 2018 was comprised of the following elements:

Elements Rationale

Provides a fixed level of compensation intended to reflect the scope of an executive's responsibilities

Base Salary and level of experience and to reward sustained performance over time, as well as to approximate

competitive base salary levels

Annual Cash Incentives

Aligns executive performance with the Corporation's annual goals and objectives

Equity-Based Incentives

• RSUs Provides a strong incentive for long-term executive retention

• PSUs

Aligns executives' interests with shareholder interests and provides incentives for long-term

performance

Benefits Designed to help ensure the health and wellness of executives
Pension Designed to assist executives in saving for their retirement

Perquisites Perquisites are provided to executives on a case-by-case basis as considered appropriate and in the

interests of the Corporation

#### Compensation Element Mix

In order to ensure that our executive compensation program is market competitive, we annually review the program design and pay levels of companies in the Comparator Group and other competitive market data. We assess total target direct compensation (base salary, annual cash incentive and equity grants) as well as specific elements of compensation when reviewing market information relative to our executive compensation program. The Compensation Committee uses the median of the Comparator Group as a guideline when determining total target direct compensation but is not bound to any target percentile for any specific element of compensation. In addition to the Comparator Group, we also consider executive compensation relative to internal peers where responsibilities and experience vary. In determining appropriate positioning relative to the Comparator Group and internal peers, we utilize a multi-year approach for setting and transitioning target compensation for executives who are new in their role.

The at risk portion of total compensation varies by role and executive level, but has the highest weighting at the most senior levels of management. CTI awards and certain equity based incentive plan awards are contingent upon the Corporation's financial and operational performance and are therefore at-risk. With a significant portion of total target direct compensation delivered through variable compensation, the Corporation intends to continue to align NEO compensation with shareholder interests. The relative weighting of the compensation elements for the CEO and the other NEOs (average) for 2018 is set forth below.

Compensation Element Mix for CEO

Compensation Element Mix for NEOs

(Average)

Base Salary

The objective of base salary is to attract, reward and retain top talent. Base salaries for executive positions are determined with consideration given to the market median of the Comparator Group. Base salaries are reviewed annually and adjusted if appropriate, to reflect individual performance, relevant knowledge, experience and the executive's level of responsibility within the Corporation.

Celestica Team Incentive Plan

The objective of the CTI is to reward all eligible employees, including the NEOs, for the achievement of annual objectives. CTI awards for the NEOs are based on the achievement of pre determined corporate and individual goals, and are paid in cash. Payouts can vary from 0% for performance below a threshold up to a maximum capped at 200% of the Target Award (defined below). Awards are determined in accordance with the following formula:

Target Award The target award is calculated as each NEO's Eligible Earnings (i.e., base salary) multiplied by the Target Incentive (expressed as a percentage of base salary in the applicable plan year) (the "Target Award"). The maximum CTI payment is two times the Target Award.

The CPF is based on certain corporate financial targets (described for 2018 in more detail in Table 10 below) established at the beginning of the performance period and approved by the Compensation Committee and can vary from 0% to 200% of target.

Actual results relative to the targets, as described above, determine the amount of the annual incentive and for 2018, were subject to the following two parameters (the "CTI Parameters"):

**CPF** 

- (1) a minimum corporate profitability requirement must be achieved for the CPF to exceed zero; and
- (2) target non-IFRS operating margin must be achieved for other measures under the CPF to pay above target.

The CTI Parameters were set in addition to the CPF thresholds in order to ensure challenging limits reflective of our current business environment.

The CPF must be greater than zero for an executive to be entitled to any CTI payment.

Individual contribution is recognized through the IPF component of the CTI. The IPF is determined through the annual performance review process and is based on an evaluation of the NEO's performance measured against specific criteria established at the beginning of each year. The criteria may include factors such as the

IPF NEO's individual performance relative to business results, teamwork and the executive's key accomplishments. The IPF can increase an NEO's CTI award by a factor of up to 1.5x or reduce an NEO's CTI award to zero depending on individual performance. An IPF of less than 1.0 will result in a reduction of the CTI award otherwise payable. The CTI payment is subject to an overall maximum cap of 200% of the Target Award.

Equity Based Incentives

The Corporation's equity based incentives for the NEOs consist of RSUs, PSUs and/or stock options. The objectives of equity based compensation are to:

align the NEOs' interests with those of shareholders and incent appropriate behaviour for long term performance; reward the NEOs' contributions to the Corporation's long term success; and

enable the Corporation to attract, motivate and retain qualified and experienced employees.

At the January meeting, the Compensation Committee determines the dollar value and mix of the equity based grants to be awarded to the NEOs, if any. On the grant date, the dollar value is converted into the number of units that will be granted using the closing price of the SVS on the day prior to the grant date. The annual grants are made following the blackout period that ends not less than 48 hours after the Corporation's year end results have been released. The mix of equity-based incentives is reviewed and approved by the Compensation Committee each year, and is based on factors including competitive grant practices, balance between performance incentive and retention value, and the effectiveness of each equity vehicle for motivating and retaining critical leaders.

Target equity based incentives are determined using the median awards of the Comparator Group as a guideline; however, consideration is also given to individual performance and contribution when determining actual awards. In establishing the grant value of the annual equity awards for each of the NEOs, we start by assessing the median total target direct compensation of the equivalent position at companies in the Comparator Group. This data is then compared over a number of years for additional context and market trends. The Compensation Committee also considers individual performance, the need to retain experienced and talented leaders to execute the Corporation's business strategies and the executive's potential to contribute to long-term shareholder value. Also considered are the executive's role and responsibilities, internal equity and the level of previous long-term incentive awards. Once all of these factors are taken into consideration, the grant value of the annual equity-based awards for the NEOs is set. The CEO has the discretion to issue equity based awards throughout the year to attract new hires and to retain current employees (excluding executive officers) within limits set by the Compensation Committee. The number of units available throughout the year for these grants is pre approved by the Compensation Committee at the January meeting. Subject to the Corporation's blackout periods, these grants typically take place at the beginning of a month. Any such grants to NEOs must be

reviewed with the Compensation Committee at the next meeting following such grant and typically are reviewed in advance with the Chair of the Compensation Committee. No such grants were made to NEOs in 2018. RSUs

NEOs may be granted RSUs under either the LTIP or the CSUP as part of the Corporation's annual equity grant. Such awards may be subject to vesting requirements, including time-based or other conditions as may be determined by the Compensation Committee in its discretion. RSUs granted by the Corporation generally vest in instalments of one-third per year, over three years, based on continued employment with the Corporation. Each vested RSU entitles the holder to one SVS on the release date. The payout value of the award is based on the number of RSUs being released and the market price of the SVS at the time of release. The Corporation has the right under the CSUP to settle RSUs in either cash or SVS. Under the LTIP, the Corporation may, at the time of grant, authorize grantees to settle RSUs either in cash or in SVS. Absent such permitted election, grants under the LTIP will be settled in SVS. If the Corporation has authorized a settlement in SVS or cash, the holder can choose which of these the holder receives. See Compensation of Named Executive Officers – Equity Compensation Plans.

**PSUs** 

NEOs may be granted PSUs under the LTIP or the CSUP as part of the Corporation's annual equity grant. The vesting of such awards requires the achievement of specified performance based conditions over a specified time period, as determined by the Compensation Committee in its discretion. PSUs granted by the Corporation generally vest at the end of a three—year performance period subject to pre—determined performance criteria. Each vested PSU entitles the holder to receive one SVS on the applicable release date. The payout value of the award is based on the number of PSUs that vest (which ranges from 0% to 200% of the target amount granted) and the market price of the SVS at the time of release. The Corporation has the right under the CSUP to settle the PSUs in either cash or SVS. Under the LTIP, the Corporation may, at the time of grant, authorize grantees to settle PSUs either in cash or in SVS. Absent such permitted election, grants under the LTIP will be settled in SVS. If the Corporation has authorized a settlement in SVS or cash, the holder can choose which of these the holder receives. See Compensation of Named Executive Officers – Equity Compensation Plans.

**Stock Options** 

NEOs may be granted stock options under the LTIP. The exercise price of a stock option is the closing market price on the business day prior to the date of the grant. Stock options granted by the Corporation generally vest at a rate of 25% annually on each of the first four anniversaries of the date of grant and expire after a ten year term. The LTIP is not an evergreen plan and no stock options have been repriced.

Other Compensation

Benefits

NEOs participate in the Corporation's health, dental, pension, life insurance and long-term disability programs. Benefit programs are determined with consideration given to market median levels in the local geographic region.

Perquisites

Perquisites are provided to executives on a case-by-case basis as considered appropriate in the interests of the Corporation. NEOs are entitled to an annual comprehensive medical examination at a private health clinic. Where applicable, tax equalization is provided to NEOs as an integral part of the Corporation's Short Term Business Travel Program and is designed to maintain an individual's tax burden at approximately the same level it would have otherwise been had they remained in their home country. Due largely to variables such as timing and tax rate differences between Canada and the U.S., tax equalization amounts may vary from year to year. While the Corporation is incorporated and headquartered in Canada, our business is global, we compete for executive talent worldwide and our executives are often required to travel extensively. As a result, we believe it is appropriate to make tax equalization payments in order to attract and retain non-Canadian executive officers with specific capabilities as well as to ensure that our executives do not incur any additional tax burden as a result of the business travel necessitated by the global nature of our business.

Tax Deductibility of Executive Compensation for U.S. Tax Purposes

Prior to December 22, 2017, when the U.S. Tax Cuts and Jobs Act of 2017 (the "U.S. Tax Reform") became law, Section 162(m) of the U.S. Internal Revenue Code, which did not apply to foreign private issuers, generally disallowed a tax deduction to public companies for compensation paid to specified executive officers in excess of \$1 million per officer in any year that did not qualify as performance-based compensation. Pursuant to the U.S. Tax Reform, however, foreign private issuers who, like the Corporation, have securities registered under Section 12 of the United States Securities Exchange Act of 1934, as amended, have become subject to Section 162(m), to the extent they have U.S-based executive officers for whose compensation they take a deduction for U.S. tax purposes. Under the revisions to Section 162(m) implemented by the U.S. Tax Reform, the performance-based exception has been repealed and the \$1 million deduction limit now applies to anyone serving as the chief executive officer or the chief financial officer at any time during the taxable year and the top three other highest compensated executive officers serving at fiscal year-end (if relevant deductions for such executives are taken for U.S. tax purposes). The new rules generally apply to taxable years beginning after December 31, 2017, but do not apply to remuneration provided pursuant to a written binding contract in effect on November 2, 2017 that has not been modified in any material respect after that date. Because of ambiguities and uncertainties as to the scope of the foregoing exception, no assurance can be given that the compensation of our CEO and Mr. Lawless will be so exempted. In addition, although the Compensation Committee intends to consider the potential tax deductibility of executive compensation under Section 162(m) for applicable executive officers, the primary goal of our compensation programs is to meet the objectives set forth in this Compensation Discussion and Analysis. Accordingly, the Compensation Committee reserves the right to use its business judgment to authorize compensation payments that may be subject to the Section 162(m) deduction limit if it believes such payments are appropriate and in the best interests of the Corporation and its shareholders.

#### 2018 Compensation Decisions

Each element of compensation is considered independently of the other elements. However, the total package is reviewed to ensure that the achievement of target levels of corporate and individual performance will result in total compensation that is generally comparable to the median total compensation of the Comparator Group.

Key 2018 Executive Compensation Program Design Changes

During 2017, a comprehensive review of our incentive plans was undertaken in light of the Corporation's long-term strategic plan and then-recent organizational design changes. Following this review, the Compensation Committee approved the following design changes to the Corporation's incentive plans which were implemented for 2018 executive compensation (collectively, the "2018 Incentive Plan Design Changes"):

non-IFRS adjusted ROIC was eliminated as a performance measure for the CPF portion of the CTI. Instead, 50% of the CPF was based on the achievement of specified revenue goals and 50% of the CPF was based on the achievement of specified non-IFRS operating margin goals;

the equity mix changed to 40% RSUs and 60% PSUs (the previous mix was 50% RSUs and 50% PSUs); and the number of PSUs that will actually vest continues to range from 0% to 200% of the target number granted. The vesting level will be primarily based on the Corporation's non-IFRS operating margin (in the final year of the three-year performance period ("EBIAT Result"), and subject to modification by the Corporation's average annual non-IFRS adjusted ROIC achievement over the performance period ("ROIC Factor") and relative TSR achievement ("TSR Factor") over the performance period. See NEO Equity Awards and Mix below.

The 2018 Incentive Plan Design Changes were implemented to further improve the alignment of the incentive-based compensation of our executives with the Corporation's strategic goals and pay-for-performance objectives, and also to promote long-term shareholder value. In particular, we believe that the greater emphasis on non-IFRS operating margin as a performance measure for payouts under the CPF of the CTI, and introduction of this measure as the primary vesting criterion for our PSUs, strongly correlates with our current focus on margin improvement across all of our businesses. We believe that maintaining close alignment between our strategic objectives and our executive incentive compensation programs demonstrates our commitment to a pay-for-performance philosophy, which commitment requires adjustment to our performance criteria from time to time as our business goals and objectives evolve. Similarly, our decision to shift our equity grants to include a larger percentage of PSUs also demonstrates this

commitment, as PSUs vest based on the level of achievement relative to business performance objectives. We eliminated the comparative nature of non-IFRS adjusted ROIC performance from our PSU vesting calculation as we believe our

own results over the relevant period will represent a more meaningful measure of our financial performance. The decision to approve the 2018 Incentive Plan Design Changes was made upon the recommendation of management and after consultation with the Compensation Consultant. In reaching this decision, the Compensation Committee took into account competitive trends and practices as well as the Corporation's focus on retaining key leaders to effectively execute our strategic business goals.

#### **Base Salary**

The base salaries for the NEOs were reviewed during 2018, taking into account individual performance and experience, level of responsibility and median competitive data. No NEO base salaries were increased in 2018. The following table sets forth the annual base salary for the NEOs for the years ended December 31, 2016 through December 31, 2018:

Table 9: NEO Base Salary Changes

	•
NEO	Year Salary (\$)
NLO	(\$)
Robert A. Mionis	2018\$950,000
	2017\$950,000
	2016\$850,000
Mandeep Chawla	2018\$450,000
•	2017\$450,000
	2016\$246,000
Michael P. McCaughey	2018\$475,000
	2017\$475,000
	2016\$475,000
	2018\$460,000
Jack J. Lawless	2017\$460,000
	2016\$410,000
Todd C. Cooper	2018\$460,000
•	2017-
	2016-

Prior to his appointment as CFO on October 19, 2017, Mr. Chawla served as interim CFO of the Corporation at which time his annual base salary did not change from his prior role; however, in recognition of his significantly expanded responsibilities, he received a one-time cash award of C\$260,000 paid in two equal instalments during 2017. Upon his appointment as CFO, the Compensation Committee approved an annual base salary of \$450,000 for Mr. Chawla. When setting the base salary for Mr. Chawla, the Compensation Committee considered his experience and the responsibilities and duties connected with the CFO position, as well as variable incentive compensation and median aggregate compensation. The Compensation Committee also reviewed salaries for CFOs within the Comparator Group, median competitive data and historical data concerning CFO base salaries at the Corporation.

Mr. Cooper's base salary was determined upon his appointment as Chief Operations Officer of the Corporation effective January 4, 2018 and reflects the scope of his responsibilities, his level of experience and competitive base salary levels. In connection with his appointment as Chief Operations Officer, Mr. Cooper was granted a one-time cash award of \$200,000 during 2018. This one-time cash award was made in order to incentivize Mr. Cooper to join the Corporation when we deemed expedient for him to transition seamlessly into a key leadership position and in recognition of the related forfeiture of his eligibility to receive a short-term incentive award from his previous employer.

Annual Incentive Award (CTI)

2018 Company Performance Factor

The CPF component of the CTI calculation for 2018 was based on the achievement by the Corporation relative to specified financial targets as set forth in Table 10 below. These measures were approved by the Compensation

Committee as they were determined to be aligned with the Corporation's key objectives of driving profitable growth, on both a "top line" and "bottom line"

basis. The 2018 financial targets were established at levels consistent with the Corporation's Annual Operating Plan for 2018, which was approved by the Board. The financial targets for non-IFRS operating margin and revenue for 2018 were unchanged from 2017 and were not set lower than the actual results achieved in 2017. As described above, no minimum CTI payments are guaranteed. See Key 2018 Executive Compensation Program Design Changes for a discussion of the changes to the performance measures for the CTI that were implemented in 2018.

Before the CPF for 2018 was calculated, the Compensation Committee reviewed the CTI Parameters and determined that: (1) the minimum corporate profitability requirement was met and, therefore, a CTI payment for 2018 would be made; and (2) as non-IFRS operating margin did not meet target, in accordance with the provisions of the CTI, the revenue metric would be capped at target performance (notwithstanding that the actual performance of the revenue metric was in excess of target). The percentage achievement for each measure was then determined by interpolating between the factor that corresponds to threshold, target and maximum, as applicable. Each achievement factor was then multiplied by its weight (50%) in order to determine the weighted achievement.

The CPF for 2018 was 80% based on the results in the following table:

Table 10: Company Performance Factor

Measure	Weight	Threshold	lTarget	Maximum	Achieved Results	Weighted Achievement
Non-IFRS operating margin	50%	2.8%	3.7%	4.6%	3.2%	30%
Revenue <sup>(1)</sup>	50%	\$5,700M	\$6,200M	[\$6,700M	\$6,633M <sup>(2)</sup>	50%
CPF						80%

- (1) Revenue means the Corporation's annual revenue.
- Notwithstanding that the performance of the revenue measure was in excess of target, that metric was capped at (2) target performance based on the design of the CTI plan, which limits payment on the revenue measure if non-IFRS operating margin is below target performance.

2018 Individual Performance Factor

The IPF can increase an executive's CTI award by a factor of up to 1.5x or reduce the CTI award to zero depending on individual performance (an IPF of less than 1.0 will result in a reduction of the CTI award otherwise payable). Notwithstanding the foregoing, CTI payments are subject to an overall maximum cap of 200% of the Target Award. The IPF is determined through the annual performance review process.

At the beginning of each year, the Compensation Committee and the CEO agree on performance goals for the CEO that are then approved by the Board. Goals for the other NEOs that align with the CEO's goals are then established and agreed to between the CEO and the respective NEOs. The performance of the CEO and the NEOs is measured against the established goals, but also contains subjective elements, such that criteria for, and the amount of, the IPF remains at the discretion of the Compensation Committee. However, the CPF must be greater than zero for an executive to be entitled to any CTI payment.

#### CEO

In assessing Mr. Mionis' individual performance, the Compensation Committee considers the Corporation's objectives and results achieved, personal performance objectives as determined annually, as well as other factors the Committee considers relevant to the role of CEO. Key results that were considered in determining Mr. Mionis' IPF for 2018 are included below:

Objective	Metric	Result
Profitable Growth	Revenue	\$6.6 billion in revenue for 2018, including revenue of \$2.2 billion from our ATS segment (13% growth year-over-year) and revenue of \$4.4 billion from our CCS segment (6% growth year over year).
	Customer Satisfaction	Customer satisfaction was strong overall. Celestica was named as "supplier of the year" by a key customer for execution excellence and recognized for superior performance by several other important customers.
	Expand Market Offerings	Expanded our aerospace and defense and healthtech lifecycle capabilities.
Expand Capabilities	Enhance Interna Capabilities	Continued progress in developing Celestica's commercial excellence program.
	Pursue Strategic M&A	Through the acquisitions of Atrenne and Impakt, Celestica grew its aerospace and defense and capital equipment businesses. These acquisitions bolstered capabilities and reach by improving design competency, expanding our ability to serve important customers, and establishing the Corporation in new markets (Organic Light Emitting Diode (OLED)) and geographies (South Korea).
Financial Strength		Delivered continued sequential non-IFRS operating margin improvements each quarter of 2018; however, full-year non-IFRS operating margin of 3.2% and non-IFRS sadjusted EPS of \$1.07 were down year-over-year, due in part to the adverse impact of cyclical decreased demand in our capital equipment business.
	Transform Enterprise Productivity	Execution of cost efficiency initiatives helping to achieve sequential non-IFRS operating margin expansion throughout 2018.
People Driven	Mobilize Talent	Developed our "Grow Together" talent strategy with the objective of attracting, engaging and developing our talent. Talent and succession plans for all organizations were completed in 2018. Global employee engagement survey was launched in 2018 with a strong participation rate of 86%.

The Compensation Committee determined that, in 2018, Mr. Mionis made meaningful progress in advancing Celestica's strategic goals and driving future margin expansion by completing two strategic acquisitions, launching our cost efficiency initiatives, expanding our capabilities and implementing various people initiatives. Overall financial results for 2018 were below expectations partly as a result of demand softness from our capital equipment business; however, the Celestica team, under Mr. Mionis' leadership, has remained consistent in executing a strategy focused on growing our ATS segment while maintaining our strong and differentiated CCS segment. As a result, the Compensation Committee and the Board believe that an IPF of 0.95 for 2018 for Mr. Mionis appropriately reflects Celestica's overall performance in 2018, as well as Mr. Mionis' leadership in executing the Corporation's key strategic initiatives. As a result of his 2018 IPF and the CPF for 2018, Mr. Mionis received less than his Target Award, which reduced his realized compensation for 2018.

#### Other NEOs

The performance of the NEOs (other than the CEO) are assessed at year-end relative to objective measures that align with the targets for the CEO. The CEO assesses each NEO's contributions to the Corporation's results, including such NEO's contributions as a part of the senior leadership team. Based on the CEO's assessment, the Compensation Committee considered each NEO to have either substantially met expectations or exceeded expectations for 2018 based on his individual performance and contribution to corporate goals and objectives.

Factors considered in the evaluation of each NEO's IPF included the following:

- Provided strong support for the acquisitions of Atrenne and Impakt
- Mr. Chawla
- Drove capital allocation priorities, including negotiating new term loans, introducing interest rate swaps and executing the Corporation's normal course issuer bid
- Strengthened relationships with both the investment and financial community
- Strong leadership of our CCS segment during a transformational period

Mr. McCaughey

- CCS segment revenue increased 6% year-over-year, led by increased demand and new programs, including JDM programs, in our Communications end market, as well as strong demand in our storage business
- Led the expansion of our ATS segment, both organically, and through the Atrenne and Impakt acquisitions

- Mr. Lawless ATS segment revenue increased 13% year-over-year, driven primarily by solid performance in our aerospace and defense and industrial markets, partially offset by cyclical decreased demand in our capital equipment business
  - Developed a comprehensive global operations strategy with a focus on people, quality, shop floor operations and supply chain as well as related key performance indicators

Mr. Cooper

Deployed Celestica's new global operating system, which improved operational performance by driving quality, delivery and cost productivity throughout our operations and supply chain

#### Target Award

The following table sets forth information with respect to the potential and actual awards under the CTI for participating NEOs during 2018:

Table 11: 2018 CTI Awards

Name	Target Incentive %(1)	Potential Award for Below Threshold Performance	Potential Award for Threshold Performance <sup>(2)</sup>	Potential Award for Target Performance <sup>(2)</sup>	Potential Maximum Award <sup>(2)</sup>	Amount Awarded	Amount Awarded as a % of Base Salary
Robert A. Mionis	125%	\$0	\$296,875	\$1,187,500	\$2,375,000	\$902,500	95%
Mandeep Chawla	80%	\$0	\$90,000	\$360,000	\$720,000	\$316,800	70%
Michael P. McCaughey	80%	\$0	\$95,000	\$380,000	\$760,000	\$304,000	64%
Jack J. Lawless	80%	\$0	\$92,000	\$368,000	\$736,000	\$323,840	70%
Todd C. Cooper <sup>(3)</sup>	80%	\$0	\$90,992	\$363,967	\$727,934	\$291,980	64%

The Target Incentive for each of Messrs. Mionis, Chawla, McCaughey and Lawless was not changed from 2017.

- (1)Mr. Cooper's Target Incentive was determined upon his appointment as Chief Operations Officer effective January 4, 2018 based on the scope of his responsibilities.
- (2) Award amounts in these columns are calculated based on an IPF of 1.0.
- As Mr. Cooper was appointed on January 4, 2018, his Target Award is equal to his Target Incentive multiplied by the prorated amount of his annualized salary for 2018.

#### NEO Equity Awards and Mix

Target equity-based incentives were determined for the NEOs with reference to the median awards of the Comparator Group and, for 2018, were set lower than such median awards. Consideration was also given to individual

performance, the roles and responsibilities of the NEOs, retention value and market trends. Under the 2018 Incentive Plan Design Changes, the equity mix for 2018 was changed to 40% RSUs and 60% PSUs (the previous mix was 50% RSUs and 50% PSUs). See Compensation Elements for the Named Executive Officers – Equity Based Incentives for a general description of the process for determining the amounts of these awards and Key 2018 Executive Compensation Program Design Changes for a discussion of the changes to the equity mix that were implemented pursuant to the 2018 Incentive Plan Design Changes.

The following table sets forth equity awards granted to the NEOs on January 30, 2018 as part of their 2018 compensation:

Table 12: NEO Equity Awards

Nama	RSUs	PSUs	Stock Options	Value of Equity
Name	$(#)^{(1)}$	$(#)^{(2)}$	(#)	Award <sup>(3)</sup>
Robert A. Mionis	274,024	411,037	'-	\$7,200,000
Mandeep Chawla	55,185	82,778	-	\$1,450,000
Michael P. McCaughey	64,700	97,050	-	\$1,700,000
Jack J. Lawless	62,797	94,196	-	\$1,650,000
Todd C. Cooper	60,894	91,341	-	\$1,600,000

- (1) Grants were based on a share price of \$10.51, which was the closing price of the SVS on the NYSE on January 29, 2018 (the last business day before the date of grant).
- (2) Assumes achievement of 100% of target level performance.
- (3) Represents the aggregate grant date fair value of the RSUs and PSUs.

The RSUs vest ratably over a three-year period, commencing on the first anniversary of the date of grant. The value of the RSUs granted on January 30, 2018 was determined at the January 2018 meeting of the Compensation Committee. The number of RSUs granted was determined using the closing price of the SVS on January 29, 2018 (the day prior to the date of grant) on the NYSE of \$10.51.

PSUs granted as set forth in the table above vest at the end of a three-year performance period subject to pre-determined performance criteria. For such awards, each NEO was granted a target number of PSUs ("Target Grant"). The number of PSUs that will actually vest ranges from 0% to 200% of the Target Grant and will be primarily based on the EBIAT Result for the final year of the three-year performance period, subject to modification by the ROIC Factor and the TSR Factor over the performance period in accordance with the following:

Formula

Description

**Preliminary Vesting** % based on EBIAT Result

The percentage of PSUs that will vest based on the EBIAT Result (the "Preliminary Vesting %") can range between 0% and 200% of the Target Grant. The Preliminary Vesting % will be subject to initial adjustment based on the ROIC Factor and further adjustment based on the TSR Factor, as described below, provided that the maximum number of PSUs that may vest will not exceed 200% of the Target Grant.

**Preliminary Vesting** % subject to modification by a **ROIC Factor** 

The Corporation's ROIC Factor will be measured relative to a pre-determined non-IFRS adjusted ROIC range approved by the Board. The Preliminary Vesting % will not be modified if the ROIC Factor is within that pre-determined range. The Preliminary Vesting % will be factor of either -25%, increased or decreased by 25 percentage points if the ROIC Factor is above or below that 0% or +25% based on predetermined range, respectively (as so adjusted, the "Secondary Vesting %"). The ROIC Factor cannot increase the actual number of PSUs that vest to more than 200% of the Target Grant. TSR measures the performance of a company's shares over time. It combines share price appreciation and dividends, if any, paid over the period to determine the total return to the shareholder expressed as a percentage of the share price at the beginning of the performance period. With respect to each TSR Comparator (as defined below), TSR is calculated as the change in share price over the three year performance period (plus any dividends) divided by the share price at the beginning of the period, where the average of the daily closing share price for the month of December 2017 is the beginning share price and the average of the daily closing price for the month of December 2020 will be the ending share price. The TSR of the Corporation is calculated in the same manner in respect of the SVS (the Corporation does not currently pay dividends).

Secondary Vesting % subject to modification by a factor ranging from -25% to +25% based on TSR Factor

Summary

For purposes of determining modifications to the Secondary Vesting % based on the TSR Factor, the Corporation's TSR will be measured relative to the information technology companies within the S&P 1500 Index as at January 1, 2018, with the addition of Flex Ltd. (the only EMS-peer company not already included in the S&P 1500 Index), that remain publicly traded on an established U.S. stock exchange for the entire performance period (the "TSR Comparators"). The Corporation's market capitalization is positioned around the median of the TSR Comparators.

After calculating the percentile rank for each TSR Comparator (by arranging the TSR results from highest to lowest), the Corporation's TSR will be ranked against that of each of the TSR Comparators. The Secondary Vesting % will then be subject to modification (ranging from a decrease of 25 percentage points to an increase of 25 percentage points) by interpolating between the corresponding percentages immediately above and immediately below Celestica's percentile position as set out in the table below, provided that the Corporation's TSR performance cannot increase the actual number of PSUs that will vest to more than 200% of the Target Grant.

Total PSU Vesting Percentage =

(1) Preliminary Vesting % based on EBIAT Result;

(2) Preliminary Vesting % is subject to modification by a factor of either -25%, 0% or +25% based on ROIC Factor and results in the Secondary Vesting %; and

(3) Secondary Vesting % is subject to modification by a factor ranging from -25% to +25% based on TSR Factor.

Realized and Realizable Compensation

CEO Realized and Realizable Compensation

The following table is a look back at CEO compensation that compares the total target direct compensation awarded to Mr. Mionis for the financial years ended December 31, 2016 through December 31, 2018 to his realized and realizable compensation for each such year. The total target direct compensation value represents Mr. Mionis' salary, target CTI award and the target value

of share-based awards. The realized and realizable value represents actual salary paid, actual CTI award paid and share-based awards at vest date value or, if the vest date is after December 31, 2018, at \$8.77 per share, the closing price of the SVS on the NYSE on December 31, 2018.

Table 13: CEO Realized and Realizable Compensation

2016 2017 2018

Total Target Direct Compensation \$6,912,500 \$7,582,021 \$9,337,500 Realized and Realizable Compensation \$7,629,976 \$5,457,729 \$7,860,485

#### NEO Realized and Realizable Compensation and Total Shareholder Return

The following graph compares the five-year trend in the Corporation's TSR versus compensation for the NEOs as reported in each year's Annual Report on Form 20-F. The comparison also demonstrates the difference between total target direct compensation and the realized and realizable compensation for the NEOs related to each year. The total target direct compensation value represents salary, target CTI award and the target value of share-based awards and option awards (if applicable) for all NEOs reported in the Corporation's Annual Report on Form 20-F each year. The realized and realizable value represents: actual salary paid; actual CTI award paid; share-based awards at vest date value or if the vest date is after December 31, 2018, at \$8.77 per share, the closing price of the SVS on the NYSE on December 31, 2018; and option awards (if applicable) at their intrinsic value. This look back at compensation demonstrates the comparison between actual pay and total target compensation intended at the time of grant. The difference between total target direct compensation and realized and realizable compensation was driven by the performance of the SVS and achievement relative to CTI and PSU performance measures, as well as changes in the reported NEOs in applicable years.

We believe that our TSR for 2018 was negatively impacted as a result of a highly competitive and volatile market environment and was further negatively impacted by volatility in North American equity markets in the fourth quarter of 2018. Although we compete in a turbulent competitive environment, we continue to include TSR as an element for measuring the Corporation's performance; however, we also assess our performance based on various other measures, including revenue and non-IFRS operating margin, and utilize such other measures in aligning our pay for performance. We also measure our performance against how well we have achieved our objectives through a complex and necessary business transformation strategy designed to diversify the Corporation's business and drive more sustainable, long-term revenue and profitable growth. We believe that progress towards our business transformation will have a positive impact on our TSR.

A significant portion of NEO compensation is provided in the form of long-term incentives and for 2018, we increased the proportion of PSUs to 60% (from 50% in 2017) and the value of such PSUs will not be realizable by the NEOs until the end of the performance period in 2021. We believe the realized value of the long-term incentives granted to NEOS, and the performance of the PSUs in particular, will more closely mirror the trend in share price movement and serve to align the interests of management with those of our shareholders. PSU payouts made in January 2018 (with respect to PSUs issued in 2015) reflect that the Corporation's relative non-IFRS adjusted ROIC performance (40% weight) resulted in 140% achievement and the Corporation's relative TSR ranking (60% weight) resulted in zero achievement for an overall vesting level of 56%.

Table 14: NEOs Realized and Realizable Compensation

2014 2015 2016 2017 2018 Celestica Total Shareholder Return (1 year) 13% -6% 7% -12% -16%

Total Target Direct Compensation \$17,095,810\$8,727,784\$16,375,500\$16,088,075\$19,049,426

Realized and Realizable Compensation \$15,606,638\$7,376,294\$16,453,863\$12,075,011\$16,277,477

# **EXECUTIVE COMPENSATION**

This section contains references to operating margin and adjusted ROIC, each of which are non-IFRS measures. See Compensation Discussion and Analysis – Note Regarding Non-IFRS Measures for definitions of such non-IFRS measures, and where to find a discussion of the exclusions used to determine such measures, how they are used, as well as a reconciliation of historical non-IFRS operating margin and non-IFRS adjusted ROIC to the most directly comparable IFRS measures. These non-IFRS measures do not have any standardized meaning prescribed by IFRS and therefore may not be comparable to similar measures presented by other companies.

**Summary Compensation Table** 

The following table sets forth the compensation of the NEOs for the financial years ended December 31, 2016 through December 31, 2018.

Non-equity

Table 15: Summary Compensation Table

					Non-equity			
					Incentive			
					Plan			
					Compensation	1		
Name & Principal Position	Year	Salary (\$)	Share based Awards (\$) <sup>(1)</sup> (2)	Option based Awards (\$) <sup>(3)</sup>	Annual Incentive	Pension Value (\$) <sup>(5)</sup>	All Other Compensation (\$) <sup>(6)</sup>	Total Compensation (\$)
Robert A. Mionis <sup>(7)</sup>	2018	\$950,000	\$7,200,000	. ,	\$902,500	\$132,613	3\$1,051,189	\$10,236,302
President and Chief Executive			\$5,500,000		\$912,041	-	\$721,898	\$8,215,102
Officer	2016	\$850,000	\$5,000,000	_	\$1,227,188	\$141,262	2\$265,623	\$7,484,073
Mandeep Chawla <sup>(8)</sup>	2018	\$450,000	\$1,450,000	_	\$316,800	\$48,692	\$479	\$2,265,971
Chief Financial Officer	2017	\$287,359	\$1,025,000	_	\$359,161	\$47,234	\$493	\$1,719,247
	2016	\$210,196	\$285,000	_	\$103,966	\$21,008	\$48	\$620,218
Michael P. McCaughey <sup>(9)</sup>	2018	\$475,000	\$1,700,000	_	\$304,000	\$61,992	\$3,254	\$2,544,246
President, CCS	2017	\$475,000	\$1,550,000	_	\$299,630	\$78,586	\$6,201	\$2,409,417
	2016	\$475,000	\$1,550,000	_	\$498,750	\$62,510	\$1,018	\$2,587,278
Jack J. Lawless <sup>(10)</sup>	2018	\$460,000	\$1,650,000	_	\$323,840	\$44,230	\$41,194	\$2,519,264
President, ATS	2017	\$447,671	\$1,500,000	_	\$297,254	\$52,975	\$34,522	\$2,332,422
Fresident, A15	2016	\$410,000	\$1,350,000	_	\$447,720	\$31,914	\$2,738	\$2,242,372
Todd C. Cooper <sup>(11)</sup>	2018	\$454,959	\$1,600,000	_	\$491,980	\$27,568	\$10,477	\$2,584,984
Chief Operations Officer	2017	_	\$2,750,000	_	_	_	_	\$2,750,000
	2016	_	_	_	_	_	_	_

(1) All amounts in this column represent the grant date fair value of share-based awards. Amounts in this column for 2018 represent RSU and PSU grants made on January 30, 2018 to all NEOs. Grants were based on a share price of \$10.51, which was the closing price of the SVS on the NYSE on January 29, 2018 (the day prior to the date of the grant). Amounts in this column for 2017 represent: (i) RSU and PSU grants made on January 31, 2017 to all NEOs; (ii) for Mr. Chawla, includes the additional one-time RSU grant made on June 5, 2017; and (iii) for Mr. Cooper, includes a one-time RSU grant made on December 15, 2017. The one-time RSU grant to Mr. Cooper was made following the acceptance of his employment terms with Celestica in recognition of the forfeiture of his unvested equity with his previous employer and to incentivize Mr. Cooper to join Celestica in a timely fashion. Grants for 2017 were based on a share price of \$13.66, which was the closing price of the SVS on the NYSE on January 30, 2017 (the day prior to the date of the grant), except for (i) the one-time additional grant made to Mr. Chawla, which was based on a share price of \$14.01, which was the closing price of the SVS on the NYSE on June 2, 2017 (the last business day prior to the date of the grant); and (ii) the one-time grant made to Mr. Cooper, which was based on a share price of \$10.32, which was the closing price of the SVS on December 14, 2017 (the last

business day prior to the date of the grant). Amounts in this column for 2016 represent RSU and PSU grants made on February 1, 2016 under the CSUP. Grants were based on a share price of \$9.06, which was the closing price of the SVS on the NYSE on January 29, 2016 (the day prior to the date of grant). See Compensation Discussion and Analysis – Compensation Elements for the Named Executive Officers – Equity Based Incentives for a description of the process followed in determining the grants for 2018, and see Compensation Discussion and Analysis – 2018 Compensation Decisions – Equity Based Incentives for a description of the vesting terms of the RSU and PSU awards. Commencing with the annual equity grants made in 2016, grants made in-year are reported for such year rather than the most recently completed year.

The estimated accounting fair value of the share based awards is calculated using the market price of SVS as defined under each of the plans and various fair value pricing models. The grant date fair value of the RSU portion of the share based awards in Table 15 is the same as the accounting fair value of such awards. The accounting fair values for the PSU portion of the 2016, 2017 and 2018 share based awards reflects various assumptions as to

(2) estimated vesting for such awards in accordance with applicable accounting standards. The grant date fair value for the PSU portion of the share based awards reflects the dollar amount of the award intended for compensation purposes, based on the market value of the underlying shares on the grant dates based on an assumption of the vesting of 100% of the target number of PSUs granted. The accounting fair value for all share-based awards in the table assumed a zero

forfeiture rate. The number of PSUs granted in 2018 that will actually vest will range from 0% to 200% of the target number granted and will be primarily based on the Corporation's EBIAT Result in the final year of the three-year performance period, and then potentially modified by the Corporation's ROIC Factor and TSR Factor over the performance period, as described in detail under NEO Equity Awards and Mix above. The Corporation estimated the grant date fair value of the TSR Factor using a Monte Carlo simulation model. The accounting grant date fair value is not subsequently adjusted regardless of the eventual number of awards that are earned based on TSR. The grant date fair value for the non-TSR-based performance measurement and modifier was based on the market value of our subordinate voting shares at the time of grant and may be adjusted in subsequent periods to reflect a change in the estimated level of achievement related to the applicable performance condition. 60% of the PSUs granted with respect to 2016 and 2017 performance vest depending on the level of TSR achievement over a three-year period relative to the TSR of a pre-defined comparator group. The comparator group was based on the S&P 1500 Technology Index for each of 2016 and 2017 with the addition of Flex Ltd., and which remain publicly traded on an established U.S. stock exchange for the entire performance period. The cost the Corporation recorded for these PSUs was determined using a Monte Carlo simulation model. The number of awards expected to be earned is factored into the grant date Monte Carlo valuation for the award. The accounting grant date fair value is not subsequently adjusted regardless of the eventual number of awards that are earned based on the market performance condition. 40% of the PSUs granted with respect to 2016 and 2017 vest depending on the Corporation's non-IFRS adjusted ROIC performance (a non-market performance condition), in the final year of a three-year vesting period, relative to the non-IFRS adjusted ROIC of a pre-determined EMS competitor group. The cost the Corporation recorded for these PSUs was determined based on the market value of SVS at the time of grant, and such cost may be adjusted (usually during the last year of the three-year performance period) based on management's estimate of the relative level of achievement of non-IFRS adjusted ROIC, as outlined above.

- (3) There were no stock options granted to the NEOs in 2016, 2017 or 2018.

  Amounts in this column represent CTI incentive payments made to NEOs. See Compensation Discussion and Analysis Compensation Elements for the Named Executive Officers Celestica Team Incentive Plan for a
- (4) \$200,000 paid to him in connection with his appointment as Chief Operations Officer. Amounts in this column for Mr. Chawla for 2017 also include the one-time cash award of C\$260,000 paid to him (in two equal instalments) in connection with his appointment as interim CFO.
  - Amounts in this column represent Celestica's contributions to defined contribution pension plans on behalf of the NEOs. Pension values for Messrs. Mionis, Lawless and Cooper are reported in U.S. dollars. For 2018 and 2017, Mr. Mionis' pension values include \$132,613 and \$155,821, respectively, in U.S. dollars representing the pension value from the U.S. pension plans. For 2016, his pension values include \$8,088 in U.S. dollars representing the
- (5) pension value from the U.S. pension plans and \$133,174 having been converted from Canadian dollars representing the pension value from the Canadian Pension Plans (as defined below). See Pension Plans for a full description of the plans Mr. Mionis participated in during 2018. Pension values for Messrs. Chawla and McCaughey are reported in U.S. dollars, having been converted from Canadian dollars. Amounts were converted to U.S. dollars at the average exchange rate for 2018 of \$1.00 equals C\$1.2957.
- (6) Amounts in this column for Mr. Mionis represent amounts for items provided for under the CEO Employment Agreement, which for 2018 consisted of tax equalization payments of \$948,353, housing expenses of \$76,261 while in Canada, group life insurance premiums of \$7,482, a 401(k) contribution of \$16,500, a tax preparation fee of \$500 and a comprehensive medical exam at a private clinic of \$2,093. For 2017, the amount in this column for Mr. Mionis consisted of tax equalization payments of \$624,011, housing expenses of \$73,669 while in Canada, group life insurance premiums of \$1,177, a 401(k) contribution of \$16,200, travel expenses between Toronto and Arizona of \$4,346, a tax preparation fee of \$500 and the cost of a comprehensive medical exam at a private health clinic of \$1,995. For 2016, the amount in this column for Mr. Mionis consisted of tax equalization payments of \$124,548, housing expenses of \$75,916 while in Canada, group life insurance premiums of \$1,089, a 401(k) contribution of \$10,298, travel expenses between Toronto and Arizona of \$28,795, tax preparation fees of \$23,168 and the cost of a comprehensive medical exam at a private health clinic of \$1,809. Amounts in this column for Mr.

Lawless for 2018 consisted of tax equalization payments of \$25,013, a 401(k) contribution of \$15,681 and a tax preparation fee of \$500. Amounts in this column for Mr. Lawless for 2017 consisted of tax equalization payments of \$17,610 and a 401(k) contribution of \$16,200. Amounts in this column for Mr. Cooper for 2018 consisted of a 401(k) contribution of \$8,250 and a comprehensive medical exam at a private clinic of \$2,227. In accordance with the Corporation's Short Term Business Travel Program, the Compensation Committee approved tax equalization payments for Messrs. Mionis and Lawless in order to cover taxes on their compensation in excess of the taxes they would have incurred in the United States. Due largely to variables such as timing and tax rate differences between Canada and the U.S., tax equalization amounts may vary from one year to the next and the net benefit may be positive or negative in the year. While the Corporation is incorporated and headquartered in Canada, our business is global and we compete for executive talent worldwide. As a result, we believe it is appropriate to make tax equalization payments in order to attract and retain non-Canadian executive officers with specific capabilities. In January 2017, the Compensation Committee approved an increase in Mr. Mionis' annual base salary from \$850,000 to \$950,000 effective April 1, 2017 in order to align his salary to the median of the Corporation's competitive benchmark. As such, annualized amounts for 2017 were pro-rated to reflect actual compensation paid, awarded or earned.

- Mr. Chawla was appointed as interim CFO of the Corporation effective May 23, 2017 and CFO of the Corporation (8) effective October 19, 2017 and, accordingly, annualized amounts for 2017 have been pro-rated to reflect actual compensation paid, awarded or earned.
- (9) Effective January 1, 2019, Mr. McCaughey's title was changed to Advisor.
- In January 2017, the Compensation Committee approved an increase in Mr. Lawless' annual base salary from \$410,000 to \$460,000 effective April 1, 2017 in order to align his salary to the median of the Corporation's competitive benchmark. As such, annualized amounts for 2017 were pro-rated to reflect actual compensation paid, awarded or earned.
- (11) Mr. Cooper was appointed as Chief Operations Officer of the Corporation effective January 4, 2018.

# Option-Based and Share-Based Awards

The following table provides details of each stock option grant outstanding (vested and unvested) and the aggregate number of unvested share-based awards for each of the NEOs as of December 31, 2018.

Table 16: Outstanding Option Based and Share Based Awards

	Option Based Awards			Share Based Awards					
	_					Payout	Payout	Payout	Payout
	Number of				Number	Value of	Value of	Value of	Value of
	Securities	Option		Value of	of			Share-Base	
			Option	Unexercised	Shares or	Awards	Awards	Awards	Share Based
Name	Unexercised	Price	Expiration	In-the-Money	Units that	that	that	that	Awards
	Options	(\$)	Date	Options	nave not	nave not	have not	have not	Not Paid
	(#)	(+)		$(\$)^{(2)}$	Vested		Vested at		Out or
	· /				$(#)^{(3)}$	Minimum			Distributed
Dalamt A						$(\$)^{(4)}$	$(\$)^{(4)}$	$(\$)^{(4)}$	(\$)
Robert A. Mionis									
MIOIIIS			Δμα 1						
Aug. 1, 2013	5298,954	C\$17.52	Aug. 1, 2025	_	_	_	_	_	_
Feb. 1, 2016	-	-	_	_	275,938	_	\$2,547,054	\$5,094,109	)_
Jan. 31,	_	_	_	_	335,528	\$1,177,030	\$2,942,581	\$4,708,131	<del>_</del>
2017 Jan. 30,									
2018	_		_		685,061	\$2.403.100	\$6,007,085	\$9,612,779	)
2010					005,001	Ψ2,403,170	/ψ0,007,702	, ψ2,012,772	
						- 4	*** **	\$19,415,01	9
Total	298,954	_	_	_	1,296,527	7\$3,580,221	\$11,497,62	20	_
Mandeep									
Chawla									
Feb. 1, 2016		_	_	_	10,209	_	\$94,234	\$188,469	_
Aug. 1, 2010	5–	_	_	_	6,017	\$55,540	\$55,540	\$55,540	_
Jan. 31,	_	_	_	_	21,352	\$78,838	\$197,090	\$315,343	_
2017 Jun. 5, 2017	_	_	_	_	32,120	\$296,485	\$296,485	\$296,485	_
Jan. 30,					137,963	\$509,387	\$1 272 472	2\$2,037,557	
2018	_	_	_	_	•				
Total	_	-	_	_	207,661	\$940,250	\$1,916,821	\$2,893,393	<b>)</b> —
Michael P.									
McCaughey Feb. 1, 2016					85,540		\$789,580	\$1,579,159	•
Jan. 31,	, —	_	_	_		_			
2017	_	_	_	_	94,557	\$349,126	\$872,811	\$1,396,496	<b>)</b> —
Jan. 30,					161 750	¢507 215	¢1 402 020	1¢2 200 062	•
2018	_	_	_	_	161,750	\$597,215		\$2,388,862	
Total	_	_	_	_	341,847	\$946,342	\$3,155,430	\$5,364,517	'-
Jack J.									
Lawless	-				<b>54.500</b>		Φ. <b></b> 221	φ1 20 C = 22	
Feb. 1, 2016	) <b>—</b>	_	_	_	74,503	_	\$653,391	\$1,306,783	i <b>—</b>
Jan. 31,	_	_	_	_	91,507	\$321,008	\$802,516	\$1,284,024	<del> </del> —
2017									

Jan. 30, 2018	_	_	_	_	156,993	\$550,730	\$1,376,829 \$2,202,928-
Total	_	_	_	_	323,003	\$871,738	\$2,832,736\$4,793,735-
Todd C.							
Cooper							
Dec. 15, 2017	_	_	_	_	266,473	\$2,336,968	\$\$2,336,968 \$2,336,968 -
Jan. 30, 2018	_	_	_	_	152,235	\$534,040	\$1,335,101 \$2,136,162-
Total	_	_	_	_	418,708	\$2,871,009	\$3,672,069 \$4,473,130

<sup>(1)</sup> See Compensation Discussion and Analysis – 2018 Compensation Decisions – Equity Based Incentives for a discussion of the equity grants.

The value of unexercised in the money stock options was determined using a share price of C\$11.96, which was the (2) closing price of the SVS on the TSX on December 31, 2018, converted to U.S. dollars at the average exchange rate for 2018 of \$1.00 equals C\$1.2957.

(3) Includes unvested RSUs, as well as PSUs assuming achievement of 100% of target level performance.

Payout values at minimum vesting include the value of RSUs only, as the minimum value of PSUs would be \$0.00 if the minimum performance condition is not met. Payout value at target vesting is determined assuming vesting of 100% of the target number of PSUs granted and payout values at maximum vesting is determined assuming vesting of 200% of the target number of PSUs granted. Payout values for Messrs. Chawla and McCaughey and the

(4) February 1, 2016 grants for Mr. Mionis were determined using a share price of C\$11.96, which was the closing price of the SVS on the TSX on December 31, 2018, converted to U.S. dollars at the average exchange rate for 2018 of \$1.00 equals C\$1.2957. Payout values for Mr. Lawless and the payout value for Mr. Mionis' January 31, 2017 grant were determined using a share price of \$8.77, which was the closing price of the SVS on the NYSE on December 31, 2018.

The following table provides details for each NEO of the value of option based and share based awards that vested during 2018 and the value of annual incentive awards earned in respect of 2018 performance.

Table 17: Incentive Plan Awards – Value Vested or Earned in 2018

	Ontion based Awards	Chara based Awards	Non-equity Incentive
	Value Vesta I Desire	Wales Wasted Dawins	Non-equity Incentive Plan Compensation –
Name	value vested During	value vested During	Value Earned During
	the Year	the Year	the Year
	(\$)	$(\$)^{(1)}$	$(\$)^{(2)}$
Robert A. Mionis	_	\$3,734,824	\$902,500
Mandeep Chawla	_	\$576,767	\$316,800
Michael P. McCaughey	_	\$1,915,465	\$304,000
Jack J. Lawless	_	\$683,482	\$323,840
Todd C. Cooper	_	_	\$291,980

Amounts in this column reflect: (i) share based awards released in 2018 for Messrs. Mionis and Lawless based on the price of the SVS on the NYSE as follows:

Type of Award	Vesting Date	Price
RSU	January 31, 2018	\$10.17
RSU	February 1, 2018	\$10.11
RSU	December 3, 2018	\$9.92

and (ii) share based awards released in 2018 for Messrs. Mionis, Chawla, and McCaughey based on the price of the SVS on the TSX as follows:

Type of Award	Vesting Date	Price
PSU	January 23, 2018	\$13.75
RSU	January 31, 2018	\$12.50
RSU	February 1, 2018	\$12.42
RSU	February 5, 2018	\$12.84
RSU	December 3, 2018	\$13.19

Certain values in this column were converted to U.S. dollars from Canadian dollars at the average exchange rate for 2018 of \$1.00 equals C\$1.2957. With respect to previously-issued PSUs subject to vesting in 2018, the Corporation's relative TSR (determinative for 60% of such PSUs) ranked  $6^{th}$  among the TSR Comparators, resulting in zero achievement for such PSUs and the Corporation's relative non-IFRS adjusted ROIC (determinative for 40% of such PSUs) ranked  $2^{nd}$  among the ROIC Competitors resulting in 140% achievement for an overall vesting level of 56%, i.e. ((60% \* 0%) + (40% \* 140%)).

Consists of payments under the CTI made on February 22, 2019 in respect of 2018 performance. See

(2) Compensation Discussion and Analysis – 2018 Compensation Decisions – Annual Incentive Award – Target Award. These are the same amounts as disclosed in Table 15 under the column "Non-equity Incentive Plan Compensation – Annual Incentive Plans".

No gains were realized by NEOs from exercising stock options in 2018.

Securities Authorized for Issuance Under Equity Compensation Plans Table 18: Equity Compensation Plans as at December 31, 2018<sup>(1)</sup>

				becurries
			Weighted Average	eRemaining
		Convities to be Issued Hear	Exercise Price of	Available for
		Securities to be Issued Upon	Outstanding	Future
Plan Category		Exercise of Outstanding Options, Warrants and Rights	Options,	Issuance Under
		e	Warrants and	Equity
		(#)	Rights	Compensation
			(\$)	Plans <sup>(2)</sup>
				(#)
Equity Compensation Plans	LTIP	345,577	C\$16.27	N/A <sup>(2)</sup>
Approved by Securityholders				
	LTIP (RSUs)	772,719	N/A	N/A <sup>(3)</sup>
	LTIP	1,380,858	N/A	N/A <sup>(3)</sup>
	(PSUs) <sup>(4)</sup>			
	Total <sup>(5)</sup>	2,499,154	C\$16.27	8,572,065

This table sets forth information, as of December 31, 2018, with respect to subordinate voting shares of the Corporation authorized for issuance under the LTIP, and does not include subordinate voting shares of the

- Corporation purchased (or to be purchased) in the open market to settle equity awards under the LTIP or the (1) Corporation's other equity compensation plans. The LTIP, which was approved by the Corporation's shareholders, is the only equity compensation plan pursuant to which the Corporation may issue new subordinate voting shares to settle equity awards.
- (2) Excluding securities that may be issued upon exercise of outstanding stock options, warrants and rights.
- The LTIP provides for a maximum number of securities that may be issued from treasury, but does not provide separate maximums for each type of award thereunder.
- (4) Assumes the maximum payout for all outstanding PSUs (200% of target).

The total number of securities issuable upon the exercise/settlement of outstanding grants under all equity compensation plans approved by shareholders represents 1.834% of the total number of (5) outstanding shares at December 31, 2018 (LTIP (Options) – 0.254%; LTIP (RSUs) – 0.567%; and LTIP (PSUs) - 1.013%).

**Equity Compensation Plans** 

Long-Term Incentive Plan

The LTIP (which was approved by the Corporation's shareholders) is the only securities based compensation plan providing for the issuance of securities from treasury under which grants have been made and continue to be made by the Corporation since the company was listed on the TSX and the NYSE. Under the LTIP, the Board of Directors may in its discretion from time to time grant stock options, share units (in the form of RSUs and PSUs) and stock appreciation rights ("SARs") to employees and consultants of the Corporation and affiliated entities. Up to 29,000,000 SVS may be issued from treasury pursuant to the LTIP. The number of SVS that may be issued from treasury under the LTIP to directors is limited to 2,000,000; however, the Corporation decided in 2004 that stock option grants under the LTIP would no longer be made to directors. Under the LTIP, as of February 13, 2019, 18,544,730 SVS have been issued from treasury, 345,577 SVS are issuable under outstanding stock options, 385,491 SVS are issuable under outstanding RSUs, and 690,429 SVS are issuable under outstanding PSUs assuming vesting at 100% of target (1,380,858 SVS are issuable under outstanding PSUs assuming vesting at 200% of target). Accordingly, as of February 13, 2019, 10,455,270 SVS are reserved for issuance from treasury pursuant to current and potential future grants of securities based compensation under the LTIP (including PSUs assuming vesting at 100% of

Securities

target). In addition, the Corporation may satisfy obligations under the LTIP by acquiring SVS in the open market. As of February 13, 2019, the Corporation had a "gross overhang" of 7.1% under the LTIP. "Gross overhang" refers to the total number of shares reserved for issuance from treasury under equity plans at any given time relative to the total number of shares outstanding, including shares reserved for outstanding stock options, RSUs and PSUs (assuming vesting at 100% of target). The Corporation's "net overhang" (i.e. the total number of shares that have been reserved for issuance from treasury to satisfy outstanding equity grants to employees relative to the total number of shares outstanding) was 1.0% (including PSUs assuming vesting at 100% of target).

As of December 31, 2018, the Corporation had an "overhang" for stock options of 6.54%, representing the number of shares reserved for outstanding stock options as at such date, together with shares reserved for potential future grants of stock options, relative to the total number of shares outstanding as at such date.

The Corporation had a "burn rate" for the LTIP for each of the years 2018, 2017, and 2016 of 0.0%, 1.6%, and 0.5%, respectively. "Burn rate" is calculated by dividing the number of awards granted during the applicable year (including the target amount of PSUs granted), by the weighted average number of securities outstanding for the applicable year. The LTIP limits the number of SVS that may be (a) reserved for issuance to insiders (as defined under TSX rules for this purpose), and (b) issued within a one—year period to insiders pursuant to stock options, rights or share units granted pursuant to the LTIP, together with SVS reserved for issuance under any other employee—related plan of the Corporation or stock options for services granted by the Corporation, in each case to 10% of the aggregate issued and outstanding SVS and MVS of the Corporation. The LTIP also limits the number of SVS that may be reserved for issuance to any one participant pursuant to stock options, SARs or share units granted pursuant to the LTIP, together with SVS reserved for issuance under any other employee—related equity plan of the Corporation or stock options for services granted by the Corporation, to 5% of the aggregate issued and outstanding SVS and MVS.

Vested stock options issued under the LTIP may be exercised during a period determined as provided in the LTIP, which may not exceed ten years. The LTIP also provides that, unless otherwise determined by the Board of Directors, stock options will terminate within specified time periods following the termination of employment of an eligible participant with the Corporation or affiliated entities, including in connection with a change of control. The exercise price for stock options issued under the LTIP is the closing price for SVS on the last business day prior to the grant. The TSX closing price is used for Canadian employees and the NYSE closing price is used for all other employees. The exercise of stock options may be subject to vesting conditions, including specific time schedules for vesting and performance based conditions such as share price and financial results. The grant of stock options to, or exercise of stock options by, an eligible participant may also be subject to certain share ownership requirements.

The interest of any participant under the LTIP is generally not transferable or assignable. However, the LTIP does provide that a participant may assign his or her rights to a spouse, or a personal holding company or family trust controlled by the participant, of which any combination of the participant, the participant's spouse, minor children or grandchildren are shareholders or beneficiaries, as applicable.

Under the LTIP, eligible participants may be granted SARs, a right to receive a cash amount equal to the amount, if any, by which the market price of the SVS at the time of exercise of the SAR exceeds the market price of the SVS at the time of the grant. The market price used for this purpose is the weighted average price for SVS during the five trading days preceding the date of determination. The TSX market price is used for Canadian employees and the NYSE market price is used for all other employees. Such amounts may also be payable by the issuance of SVS (at the discretion of the Corporation). The exercise of SARs may also be subject to conditions similar to those which may be imposed on the exercise of stock options. To date, the Corporation has not granted any SARs under the LTIP. Under the LTIP, eligible participants may be allocated share units in the form of PSUs or RSUs. Each vested RSU and PSU entitles the holder to receive one SVS on the applicable release date (however, the number of PSUs that may vest range from 0% to 200% of a target amount). The issuance of such shares may be subject to vesting requirements similar to those described above with respect to the exercisability of stock options and SARs, including such time or performance based conditions as may be determined by the Board of Directors in its discretion. The number of SVS that may be issued to any one person pursuant to the share unit program shall not exceed 1% of the aggregate issued and outstanding SVS and MVS. The number of SVS that may be issued under share units in the event of termination of employment without cause, death or long term disability is subject to pro-ration, unless otherwise determined by the Corporation. The LTIP provides for the express designation of share units as either RSUs (restricted share units), which have time-based vesting conditions or PSUs (performance share units), which have performance-based vesting conditions over a specified period. In the event a holder of PSUs retires, unless otherwise determined by the Corporation, the pro-rated vesting of such PSUs shall be determined based on the actual performance achieved during the period specified for the grant by the Corporation.

The following types of amendments to the LTIP or the entitlements granted under it require the approval of the holders of the voting securities by a majority of votes cast by shareholders present or represented by proxy at

a meeting:

(a) increasing the maximum number of SVS that may be issued under the LTIP;

- (b) reducing the exercise price of an outstanding stock option (including cancelling and, in conjunction therewith, regranting a stock option at a reduced exercise price);
- (c) extending the term of any outstanding stock option or SAR;
- expanding the rights of participants to assign or transfer a stock option, SAR or share unit beyond that currently contemplated by the LTIP;
- (e) amending the LTIP to provide for other types of security based compensation through equity issuance;
- (f) permitting a stock option to have a term of more than ten years from the grant date;
- (g) increasing or deleting the percentage limit on SVS issuable or issued to insiders under the LTIP;
- (h) 5% of the Corporation's total issued and outstanding SVS and MVS);
- (i) adding to the categories of participants who may be eligible to participate in the LTIP; and
- (j) amending the amendment provision,
- subject to the application of the anti-dilution or re-organization provisions of the LTIP.
- The Board may approve amendments to the LTIP or the entitlements granted under it without shareholder approval, other than those specified above as requiring approval of the shareholders, including, without limitation:
- clerical changes (such as a change to correct an inconsistency or omission or a change to update an administrative provision);
  - a change to the termination provisions for the LTIP or for a stock option as long as the change does not permit the
- (b) Corporation to grant a stock option with a termination date of more than ten years from the date of grant or extend an outstanding stock option's termination date beyond such date; and
- (c) a change deemed necessary or desirable to comply with applicable law or regulatory requirements.

### Celestica Share Unit Plan

The CSUP provides for the issuance of RSUs and PSUs in the same manner as provided in the LTIP, except that the Corporation may not issue shares from treasury to satisfy its obligations under the CSUP and there is no limit on the number of share units that may be issued as RSUs and PSUs under the terms of the CSUP. The share units may be subject to vesting requirements, including any time-based conditions established by the Board of Directors at its discretion. The vesting of PSUs also requires the achievement of specified performance based conditions as determined by the Compensation Committee. There is no "burn rate" for the CSUP because issuances under the CSUP are not from treasury and are therefore non-dilutive.

#### Pension Plans

The following table provides details of the amount of Celestica's contributions to its defined contribution pension plans on behalf of the NEOs, and the accumulated value thereunder as of December 31, 2018 for each NEO.

Table 19: Defined Contribution Pension Plan

Accumulated Value	Commonsotom	Accumulated Value
at Start of Year	(\$)	at End of Year <sup>(1)</sup>
(\$)	(Φ)	(\$)
\$391,354	\$132,613	\$507,632
\$167,375	\$48,692	\$215,918
\$515,797	\$61,992	\$585,857
\$110,220	\$44,230	\$143,159
\$ -	\$27,568	\$26,141
	(\$) \$391,354 \$167,375 \$515,797 \$110,220	(\$) \$391,354 \$132,613 \$167,375 \$48,692 \$515,797 \$61,992 \$110,220 \$44,230

The difference between (i) the sum of the Accumulated Value at Start of Year column plus the Compensatory (1) column and (ii) the Accumulated Value at End of Year column is attributable to non-compensatory changes in the Corporation's accrued obligations during the year ended December 31, 2018.

The difference between the Accumulated Value at Start of Year reported here and the Accumulated Value at End of Year reported in the 2017 Annual Report for Messrs. Mionis, Chawla and McCaughey is attributable to different exchange rates used in the 2017 Annual Report and in this Annual Report. The exchange rate used in the 2017 Annual Report was \$1.00 = C\$1.2984.

### Canadian Pension Plans

Messrs. Chawla and McCaughey participate in the Corporation's registered pension plan for Canadian employees (the "Canadian Pension Plan") which is a defined contribution plan. The Canadian Pension Plan allows employees to choose how the Corporation's contributions are invested on their behalf within a range of investment options provided by third-party fund managers. Retirement benefits depend upon the performance of the investment options chosen. Messrs. Chawla and McCaughey also participate in an unregistered supplementary pension plan (the "Canadian Supplementary Plan"). This is also a defined contribution plan through which the Corporation provides an annual contribution of an amount equal to the difference between (i) the maximum annual contribution limit as determined in accordance with the formula set out in the Canadian Pension Plan and with Canada Revenue Agency rules and (ii) 8% of the total base salary and paid annual incentives. Notional accounts are maintained for each participant in the Canadian Supplementary Plan. Participants are entitled to select from among the investment options available in the Canadian Pension Plan for the purpose of determining the return on their Canadian Supplementary Plan notional accounts.

### U.S. Pension Plans

Messrs. Mionis, Lawless and Cooper participate in the Corporation's U.S. pension plans comprised of two defined contribution retirement programs, one of which qualifies as a deferred salary arrangement under section 401(k) of the Internal Revenue Code (United States) (the "401(k) Plan"). Under the 401(k) Plan, participating employees may defer 100% of their pre-tax earnings subject to any statutory limitations. The Corporation may make contributions for the benefit of eligible employees. The 401(k) Plan allows employees to choose how their account balances are invested on their behalf within a range of investment options provided by third-party fund managers. The Corporation contributes: (i) 3% of eligible compensation for the participant, and (ii) up to an additional 3% of eligible compensation by matching 50% of the first 6% contributed by the participant. The maximum contribution of the Corporation to the 401(k) Plan, based on the Internal Revenue Code rules and the 401(k) Plan formula for 2018 was \$18,500 (plus an additional \$6,000 for an individual over the age of 50). Messrs. Mionis, Lawless and Cooper also participate in a supplementary retirement plan that is also a defined contribution plan (the "U.S. Supplementary Plan"). Under the U.S. Supplementary Plan, the Corporation contributes to the participant an annual amount equal to the difference between 8% of the participant's salary and paid incentive and the amount that Celestica would contribute to the 401(k) Plan assuming the participant contributes the amount required to receive the matching 50% contribution by Celestica. A notional account is maintained for Messrs. Mionis, Lawless and Cooper, and they are entitled to select from among the investment options available in the 401(k) Plan for the purpose of determining the return on their notional accounts.

Termination of Employment and Change in Control Arrangements with Named Executive Officers

The Corporation has entered into employment agreements with certain of its NEOs in order to provide certainty to the
Corporation and such NEOs with respect to issues such as obligations of confidentiality, non solicitation and
non competition after termination of employment, the amount of severance to be paid in the event of termination of the
NEO's employment, and to provide a retention incentive in the event of a change in control scenario.

#### Mr. Mionis

The CEO Employment Agreement provides that Mr. Mionis is entitled to certain severance benefits if, during a change of control period or a potential change of control period at the Corporation, he is terminated without cause or resigns for good reason as defined in his agreement (a "double trigger" provision) where good reason includes, without limitation, a material adverse change in position or duties or a specified reduction(s) in total compensation (including base salary, equity and CTI award). A change of control period is defined in his agreement as the 12-month period following a change of control. A potential change of control period is defined in his agreement as the period beginning upon the occurrence of a potential change of control and ending on the earlier of: (i) the end of the 6-month period following a potential change of control; and (ii) a change of control.

The amount of the severance payment for Mr. Mionis is equal to: (i) base salary up to and including the termination date; (ii) a lump sum amount equal to his target payment under the CTI prorated to the date of termination; (iii) a lump sum amount equal to any payments accrued under the CTI in respect of the fiscal year preceding the fiscal year during which his termination occurs, if any; (iv) a lump sum amount equal to two times his eligible earnings (such eligible earnings calculated as his annual base salary plus the lesser of (a) his target payment under the CTI for the fiscal year during which his termination occurs based on target achievement of the CPF of 1.0 and an IPF of 1.0, and (b) payment received under the CTI for the fiscal year preceding the fiscal year during which termination occurs); (v) vacation pay earned but unpaid up to and including the date of termination; (vi) a lump sum cash settlement of contributions to, or continuation of his pension and retirement plans for a two year period; and (vii) a one-time lump sum payment of \$100,000 in lieu of all future benefits and perquisites. In addition, upon a change of control and termination without cause or for good reason (a) the stock options granted to him vest immediately, (b) the unvested PSUs granted to him vest immediately at the target level of performance specified in the terms of the PSU grant, and (c) the RSUs granted to him shall vest immediately.

Outside a change in control period, upon termination without cause or resignation for good reason as defined in his agreement, the amount of the severance payment for Mr. Mionis is equal to: (a) base salary up to and including the termination date; (ii) a lump sum amount equal to any payments accrued under the CTI in respect of the fiscal year preceding the fiscal year during which his termination occurs; (iii) a lump sum amount equal to two times his eligible earnings (as calculated in the paragraph above); (iv) vacation pay earned but unpaid up to and including the date of termination; (v) a one-time lump sum payment of \$100,000 in lieu of all future benefits and perquisites; and (vi) a lump sum cash settlement of contributions to, or continuation of his pension and retirement plans for a two year period. In addition, (a) vested stock options may be exercised for a period of 30 days and unvested stock options are forfeited on the termination date, (b) RSUs shall vest immediately on a pro rata basis based on the ratio of (i) the number of full years of employment completed between the date of grant and termination of employment, to (ii) the number of years between the date of grant and the vesting date, and (c) PSUs vest based on actual performance on a pro rata basis based on the ratio of (i) the number of full years of employment completed between the date of grant and the termination of employment, to (ii) the number of years between the date of grant and the vesting date. The foregoing entitlements are conferred on Mr. Mionis in part upon his fulfillment of certain confidentiality, non-solicitation and non-competition obligations for a period of two years following termination of employment. In the event of a breach of such obligations, the Corporation is entitled to seek appropriate legal, equitable and other remedies, including injunctive relief.

The following table summarizes the incremental payments and benefits to which Mr. Mionis would have been entitled upon a change in control occurring on December 31, 2018, or if his employment had been terminated on December 31, 2018 as a result of a change in control, retirement or termination without cause (or with good reason). Table 20: Mr. Mionis' Benefits

	Cash Portion	Value of Option-Based and Share-Based Awards <sup>(1)</sup>	Other Benefits <sup>(2)</sup>	Total
Termination without Cause/with Good Reason or Change in Control with Termination	\$3,724,082	2—	\$398,227	\$4,122,309
Change in Control with no Termination or Retirement	_	_	_	_

No incremental amount would be received in respect of accelerated vesting of options, RSUs and PSUs, if any, on (1) the assumption that the discount rate applied to calculate the net present value of the accelerated entitlements is not greater than the rate at which the SVS would otherwise be expected to appreciate over the period of acceleration.

(2) Other benefits consist of group health benefits and pension plan contribution.

Messrs. Chawla, McCaughey, Lawless and Cooper

Messrs. Chawla, McCaughey, Lawless and Cooper are subject to the Executive Policy Guidelines which provide the following:

Termination without cause

Termination without cause within two years following a change in control of the Corporation ("double trigger" provision)

Termination with cause

Retirement

Resignation

• eligible to receive a severance payment up to two times annual base salary and the lower of target or actual annual incentive for the previous year ("Eligible Earnings"), subject to adjustment for factors including length of service, together with a portion of their annual incentive for the year, prorated to the date of termination

- (a) vested stock options may be exercised for a period of 30 days and unvested stock options are forfeited on the termination date, (b) RSUs shall vest immediately on a pro rata basis based on the ratio of (i) the number of full years of employment completed between the date of grant and termination of employment, to (ii) the number of years between the date of grant and the vesting date, and (c) PSUs vest based on actual performance on a pro rata basis based on the ratio of (i) the number of full years of employment completed between the date of grant and the termination of employment, to (ii) the number of years between the date of grant and the vesting date
- eligible to receive a severance payment up to two times Eligible Earnings, subject to adjustment for factors including length of service, together with a portion of their annual incentive for the year, prorated to the date of termination
- (a) all unvested stock options vest on the date of change in control, (b) all unvested RSUs vest on the date of change in control, and (c) all unvested PSUs vest on the date of change in control at target level of performance unless the terms of a PSU grant provide otherwise, or on such other more favourable terms as the Board may in its discretion provide
- no severance benefit is payable
- all unvested equity is forfeited on the termination date
- (a) stock options continue to vest and are exercisable until the earlier of three years following retirement and the original expiry date, (b) RSUs will continue to vest on their vesting dates, and (c) PSUs vest based on actual performance on a pro rata basis based on the percentage represented by the number of days between the date of grant and the date of retirement as compared to the total number of days from the date of grant to the scheduled release date for the issuance of shares in respect of vested PSUs
- no severance benefit is payable
- (a) vested stock options may be exercised for a period of 30 days and unvested stock options are forfeited on the resignation date and (b) all unvested RSUs and PSUs are forfeited on the resignation date

Value of Option-Based and

Additionally, the Executive Policy Guidelines provide that executives whose employment has been terminated will have their pension and benefits coverage treated according to the terms of the plans in which they participate. The entitlements described in the above table are only conferred on eligible executives who fulfill certain confidentiality, non solicitation and non competition obligations for a period of two years following termination of their employment.

The following tables summarize the incremental payments to which Messrs. Chawla, McCaughey, Lawless and Cooper would have been entitled upon a change in control occurring on December 31, 2018, or if their employment had been terminated on December 31, 2018 as a result of a change in control, retirement or termination without cause. Table 21: Mr. Chawla's Benefits

Cash

	Portion <sup>(1)</sup> Share-Based Awards <sup>(2)</sup>	Benefits	Total
Termination without Cause or Change in Control with Termination	\$1,205,522—	_	\$1,205,522

Other

Change in Control with no Termination or Retirement

(1) Amounts in this column assume a maximum severance payment of two times Eligible Earnings but the actual amounts payable could be less.

No incremental amount would be received in respect of accelerated vesting of options, RSUs and PSUs, if any, on (2) the assumption that the discount rate applied to calculate the net present value of the accelerated entitlements is not greater than the rate at which the SVS would otherwise be expected to appreciate over the period of acceleration.

Table 22: Mr. McCaughey's Benefits		
	Cash	Value of Option-Based and
	Portion <sup>(1)</sup>	Share-Based Awards <sup>(2)</sup>

Other Benefits Total

\$1,549,260

Termination without Cause or Change in Control with Termination

\$1,549,260—

Change in Control with no Termination or Retirement

\_ \_ \_

(1) Amounts in this column assume a maximum severance payment of two times Eligible Earnings but the actual amounts payable could be less.

No incremental amount would be received in respect of accelerated vesting of options, RSUs and PSUs, if any, on (2) the assumption that the discount rate applied to calculate the net present value of the accelerated entitlements is not greater than the rate at which the SVS would otherwise be expected to appreciate over the period of acceleration.

Table 23: Mr. Lawless' Benefits

	Cash Value of Option-Based and Portion <sup>(1)</sup> Share-Based Awards <sup>(2)</sup>	Other Benefits Total
Termination without Cause or Change in Control with Termination	\$1,514,508—	- \$1,514,508
Change in Control with no Termination or Retirement		

(1) Amounts in this column assume a maximum severance payment of two times Eligible Earnings but the actual amounts payable could be less.

No incremental amount would be received in respect of accelerated vesting of options, RSUs and PSUs, if any, on (2) the assumption that the discount rate applied to calculate the net present value of the accelerated entitlements is not greater than the rate at which the SVS would otherwise be expected to appreciate over the period of acceleration.

Table 24: Mr.	Cooper's	Benefits
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	Cash Value of Option-Based and Portion <sup>(1)</sup> Share-Based Awards <sup>(2)</sup>	Other Benefits Total
Termination without Cause or Change in Control with Termination	\$920,000 —	\$920,000
Change in Control with no Termination or Retirement		

(1) Amounts in this column assume a maximum severance payment of two times Eligible Earnings but the actual amounts payable could be less.

No incremental amount would be received in respect of accelerated vesting of options, RSUs and PSUs, if any, on (2) the assumption that the discount rate applied to calculate the net present value of the accelerated entitlements is not greater than the rate at which the SVS would otherwise be expected to appreciate over the period of acceleration.

#### Performance Graph

The SVS have been listed and posted for trading under the symbol "CLS" on the NYSE and the TSX since June 30, 1998 (except for the period commencing on November 8, 2004 and ending on May 15, 2006 during which the symbol on the TSX was CLS.SV). The following chart compares the cumulative TSR of C\$100 invested in SVS with the cumulative TSR of the S&P/TSX Composite Total Return Index for the period from December 31, 2013 to December 31, 2018.

An investment in the Corporation on December 31, 2013 would have resulted in an 8.3% increase in value over the five year period ended December 31, 2018 compared with a 22% increase that would have resulted from an investment in the S&P/TSX Composite Total Return Index over the same period.

Over the same period, total NEO Compensation (as defined below) increased by 5.4%. In the medium to long term, compensation of the Corporation's NEOs is directly impacted by the market value of the SVS, as a significant portion of NEO Compensation is awarded in the form of equity based incentives with payout tied to the market value of the SVS.

For the purpose of the above discussion, "NEO Compensation" is defined as aggregate annual compensation (i.e. the sum of actual salary paid, actual CTI awards paid and the grant date fair value of share-based awards and option-based awards (if any) but excluding all other compensation). The executive compensation values have been calculated for the NEOs based on the same methodology set out in Table 15. This is a methodology adopted by Celestica solely for the purposes of this comparison. It is not a recognized or prescribed methodology for this purpose, and may not be comparable to methodologies used by other issuers for this purpose.

#### **EXECUTIVE SHARE OWNERSHIP**

The Corporation has executive share ownership guidelines (the "Executive Share Ownership Guidelines") which require specified executives to hold a multiple of their base salary in securities of the Corporation as shown in Table 25. Executives subject to the Executive Share Ownership Guidelines are expected to achieve the specified ownership within a period of five years following the later of: (i) the date of hire, or (ii) the date of promotion to a level subject to ownership guidelines. Compliance is reviewed annually as of December 31 of each year. The Compensation Committee reviewed the Executive Share Ownership Guidelines in April 2018 and determined no policy changes were required. The table below sets forth the compliance status of the applicable NEOs with the Executive Share Ownership Guidelines as of December 31, 2018:

Table 25: Share Ownership Guidelines

Name	Ownership Guidelines	Share and Share Unit Ownership (Value) <sup>(1)</sup>	Share and Share Unit Ownership (Multiple of Salary)
Robert A. Mionis <sup>(2)</sup>	\$4,750,000 (5 × salary)	\$6,455,764	6.8x
Mandeep Chawla <sup>(3)</sup>	\$1,350,000 (3 × salary)	\$1,089,142	2.4x
Michael P. McCaughey	\$1,425,000 (3 × salary)	\$2,330,663	4.9x
Jack J. Lawless	\$1,380,000 (3 × salary)	\$1,653,228	3.6x
Todd C. Cooper	\$1,380,000 (3 × salary)	\$2,871,009	6.2x

Includes the following, as of December 31, 2018: (i) SVS beneficially owned, (ii) all unvested RSUs, and (iii) PSUs that vested on February 1, 2019 at 50% of target, which, on December 31, 2018, was the Corporation's anticipated payout and was in fact the resulting payout; the value of which was determined using a share price of \$8.77, the closing price of SVS on the NYSE on December 31, 2018.

- Mr. Mionis' Share and Share Unit Ownership (Value) of \$6,455,764 consists of the following holdings: (i)
- \$1,665,555 of SVS, (ii) \$3,580,221 of unvested RSUs and (iii) \$1,209,988 of PSUs that vested on February 1, 2019; the value of which was determined using a share price of \$8.77, being the closing price of SVS on the NYSE on December 31, 2018.
- (3) Mr. Chawla was appointed as CFO of the Corporation effective October 19, 2017 and has five years from that date to achieve the required share ownership.

The CEO Employment Agreement provides that, in the event of the cessation of Mr. Mionis' employment with the Corporation for any reason, he will be required to retain the share ownership level set out in the Executive Share Ownership Guidelines on his termination date for the 12 month period immediately following his termination date.

#### C. Board Practices

Members of the Board are elected until the close of the next annual meeting of shareholders or until their successors are elected or appointed (unless such position is earlier vacated in accordance with the Corporation's by-laws). Each member of our senior management is appointed to serve at the discretion of our Board (subject to the terms and conditions of their respective employment agreements, if any). See Item 6(A), "Directors and Senior Management" for details for the period during which each director has served in his/her office. Our non-management directors meet in camera (i.e., without our chief executive officer, chief financial officer or other members of management present) from time to time to consider such matters as they deem appropriate. In accordance with NYSE listing standards, "non-management" directors are all those who are not executive officers of the Corporation. We have designated the Chair of the Board as the presiding non-management director at all in camera sessions. The non-management directors can set their own agenda, maintain minutes and report back to the Board as a whole. Among the items that the non-management directors meet privately in camera to review is the performance of the Corporation's executive officers. Our Audit Committee, which consists solely of independent, non-management directors, met in camera immediately following each Audit Committee meeting in 2018.

The Board has determined that Mr. Cascella, Mr. Chopra, Mr. DiMaggio, Mr. Etherington, Ms. Koellner, Ms. Perry, Mr. Ryan and Mr. Wilson (constituting a majority of the Board) are independent directors under applicable independence standards in Canada and under NYSE listing standards. Our independent directors hold an executive session at least once annually.

Except for the right to receive deferred compensation, no director is entitled to benefits from Celestica under any service contracts when they cease to serve as a director. See Item 6(B), "Compensation."

Communications with the Board

Shareholders and other interested parties may communicate with the Board, the Audit Committee, the Compensation Committee, any individual director, or all non-management or independent directors as a group, by writing to:

until April 1, 2019: Celestica Inc. 844 Don Mills Road Toronto, Ontario, Canada M3C 1V7 Attention: Board of Directors after April 1, 2019: Celestica Inc.

5140 Yonge Street, Suite 1900 Toronto, Ontario, Canada M2N 6L7 Attention: Board of Directors

If the letter is from a shareholder, the letter should state that the sender is a shareholder. Under a process approved by the Board, depending on the subject matter, management will:

forward the letter to the director or directors to whom it is addressed; or

attempt to handle the matter directly (where information about the Corporation or its stock is requested); or not forward the letter if it is primarily commercial in nature or relates to an improper or irrelevant topic.

A summary of all relevant communications that are received after the last meeting of the full Board and which are not forwarded will be presented at each meeting of the Board, together with any specific communication requested by a director to be presented to the Board.

Shareholders and other interested parties who have concerns or complaints relating to accounting, internal accounting controls or other matters may also contact the Audit Committee by writing to the address set out above or by reporting the matter through our Ethics Hotline toll free at 1-888-312-2689. Callers outside the United States or Canada can place a collect call to 1-503-726-2457. Alternatively, concerns or complaints can be reported using a secure on-line web-based tool at www.ethics.celestica.com.

All communications will be handled in a confidential manner, to the degree that Canadian and U.S. laws allow. Communications may be made on an anonymous basis; however, in these cases the reporting individual must provide sufficient details for the matter to be reviewed and resolved. The Corporation will not tolerate any retaliation against an employee who makes a good faith report.

#### **Board Committees**

The Board has three standing committees, each with a specific mandate (charter): the Audit Committee, the Compensation Committee, and the Nominating and Corporate Governance Committee. All of these committees are composed solely of independent directors (as that term is defined by applicable Canadian and SEC rules and in the NYSE listing standards, as applicable).

#### **Audit Committee**

The Audit Committee in 2018 consisted of Ms. Koellner (Chair), Mr. Chopra (commencing upon his election to the Board in April 2018), Mr. DiMaggio, Mr. Etherington, Ms. Perry, Mr. Ryan and Mr. Wilson, all of whom the Board determined to be independent directors for audit committee purposes (as that term is defined by applicable Canadian and SEC rules and in the NYSE listing standards) and financially literate. Mr. Cascella, who was appointed to the committee effective February 1, 2019, meets such independence definitions and is financially literate. All of the audit committee members have held executive positions with large corporations or financial services companies. The Audit Committee has a well-defined mandate which, among other things, sets out its relationship with, and expectations of, the external auditors, including the determination of the independence of the external auditors and approval of any non-audit services of the external auditor; the engagement, evaluation, remuneration and termination of the external auditor; its relationship with, and expectations of, the internal auditor function and its oversight of internal control; and the disclosure of financial and related information. In addition to fulfilling the responsibilities as set forth in its mandate, the Audit Committee has established procedures for a formal annual review of the qualifications, expertise, resources and the overall performance of the Corporation's external auditor, including conducting a survey of each member of the Audit Committee and of certain key management personnel. The Audit Committee has direct communication channels with the internal and external auditors to discuss and review specific issues and has the

authority to retain and fund such independent legal, accounting,

or other advisors as it may consider appropriate. The Audit Committee reviews and approves the mandate and plan of the internal audit department on an annual basis. The Audit Committee's duties include responsibility for reviewing financial statements with management and the auditors, monitoring the adequacy of Celestica's internal control procedures, and reviewing the adequacy of Celestica's processes for identifying and managing risk.

The Audit Committee has established procedures for: (i) receipt, retention, and treatment of complaints regarding accounting, internal accounting controls, or auditing matters and (ii) confidential, anonymous submission by employees of concerns regarding questionable accounting or auditing matters. A copy of the Audit Committee Mandate is available on our website at www.celestica.com.

Members of the Audit Committee do not serve on more than three audit committees of public companies, including that of Celestica.

See Item 16A "Audit Committee Financial Expert" for a discussion of the Corporation's Audit Committee Financial Experts.

Audit Committee Report:

The Audit Committee has reviewed and discussed the audited financial statements with management;

The Audit Committee has discussed with the independent auditors the matters required to be discussed by applicable Public Company Accounting Oversight Board Auditing Standards;

The Audit Committee has received the written disclosures and the letter from the independent auditor as required by the Public Company Accounting Oversight Board regarding the independent auditor's communications with the Audit Committee concerning independence, and has discussed with the independent auditor the independent auditor's independence; and

Based on such review and discussions, the Audit Committee recommended to the Board that the audited financial statements be included in this Annual Report for the year ended December 31, 2018 for filing with the SEC.

The Audit Committee:

Mr. Cascella

Mr. Chopra

Mr. DiMaggio

Mr. Etherington

Ms. Koellner

Ms. Perry

Mr. Ryan

Mr. Wilson

### **Compensation Committee**

The Compensation Committee in 2018 consisted of Mr. Ryan (Chair), Mr. Chopra (commencing upon his election to the Board in April 2018), Mr. DiMaggio, Mr. Etherington, Ms. Koellner, Ms. Perry and Mr. Wilson, all of whom the Board determined to be independent directors for compensation committee purposes pursuant to the applicable Canadian and SEC rules and the NYSE listing standards. Mr. Cascella, who was appointed to the committee effective February 1, 2019, meets such independence definitions. It is the responsibility of the Compensation Committee to define and communicate compensation policies and principles that reflect and support our strategic direction, business goals and desired culture. Pursuant to its mandate, the Compensation Committee: reviews and approves Celestica's overall reward/compensation policy, including an executive compensation policy that is consistent with competitive practice and supports organizational objectives and shareholder interests; reviews, modifies, as appropriate, and approves the elements of our incentive compensation plans and equity-based plans, including plan design, performance targets, administration and total funds/shares reserved for payment; reviews the corporate goals and objectives relevant to the compensation of the CEO, as approved by the Board, evaluates the CEO's performance in light of these goals and objectives, and sets the compensation of the CEO based on this evaluation; approves the compensation of our most senior executives; maintains and reviews our succession plans for key executive positions; reviews material changes to our organizational structure and human resource policies; and regularly reviews the risks associated with our executive compensation policies and practices. See Item 6(B), "Compensation" for details regarding our processes and procedures for the consideration and determination of executive and director

compensation and the role of our compensation consultant in making recommendations to the Compensation Committee regarding executive officer and director compensation.

A copy of the Compensation Committee Mandate is available on our website at www.celestica.com. Compensation Committee Report:

The Compensation Committee has reviewed and discussed the Compensation Discussion and Analysis with management and based on such review and discussions, the Compensation Committee recommended to the Board that the Compensation Discussion and Analysis be included in this Annual Report for the year ended December 31, 2018.

The Compensation Committee:

Mr. Cascella

Mr. Chopra

Mr. DiMaggio

Mr. Etherington

Ms. Koellner

Ms. Perry

Mr. Ryan

Mr. Wilson

Nominating and Corporate Governance Committee

The Nominating and Corporate Governance Committee in 2018 consisted of Mr. Etherington (Chair), Mr. Chopra (commencing upon his election to the Board in April 2018), Mr. DiMaggio, Ms. Koellner, Ms. Perry, Mr. Ryan and Mr. Wilson, all of whom were determined by the Board to be independent directors pursuant to applicable Canadian rules and NYSE listing standards. Mr. Cascella, who was appointed to the committee effective February 1, 2019, meets such independence definitions. The Nominating and Corporate Governance Committee recommends to the Board the criteria for selecting candidates for nomination to the Board and the individuals to be nominated for election by our shareholders. The committee's mandate includes making recommendations to the Board relating to the Corporation's approach to corporate governance; reviewing the Corporation's corporate governance guidelines and recommending appropriate changes to the Board; and assessing the effectiveness of the Board and its committees. A copy of the Nominating and Corporate Governance Committee Mandate is available on our website at www.celestica.com.

### D. Employees

As of December 31, 2018, we employed approximately 28,700 permanent and temporary (contract) employees worldwide (December 31, 2017 — 27,500; December 31, 2016 — 26,400). Some of our employees in China, Japan, Mexico, Romania, Singapore and Spain are represented by unions or are covered by collective bargaining agreements. We believe we have a productive and collaborative working relationship between management and the relevant unions. We believe that our employee relationships are generally positive and stable.

The following table sets forth information concerning our employees (permanent and temporary) by geographic location for the past three fiscal years:

Number of Employees

Date Americasrope Asia Total December 31, 2016 4,600 2,400 19,400 26,400 December 31, 2017 5,900 2,800 18,800 27,500 December 31, 2018 6,900 3,900 17,900 28,700

Given the variable nature of our project flow and the quick response time required by our customers, it is critical that we be able to quickly adjust our production up or down to maximize efficiency. To achieve this, our approach has been to employ a skilled temporary labor force, as required. As at December 31, 2018, approximately 5,100 temporary (contract) employees (December 31, 2017 — 4,100; December 31, 2016 — 3,400) were engaged by us worldwide. We used, on average for the year, approximately 4,700 temporary (contract) employees in 2018.

#### E. Share Ownership

The following table sets forth certain information concerning the direct and beneficial ownership of shares of Celestica at February 13, 2019 by each director, each NEO, each non-NEO executive officer, and all directors and executive officers of Celestica as a group as of such date. The address of each shareholder named below is Celestica's principal executive office.

Name of Beneficial Owner <sup>(1)(2)</sup>	Number of Shares <sup>(3)(4)</sup>	Percentage of Class	Percentage of all Equity Shares <sup>(5)</sup>	Percentage of Voting Power
William A. Etherington	10,000 SVS	*	*	*
Robert A. Cascella	0 SVS		_	
Deepak Chopra	0 SVS	_		
Daniel P. DiMaggio	0 SVS	_	_	_
Laurette T. Koellner	0 SVS		_	
Carol S. Perry	0 SVS		_	
Tawfiq Popatia	0 SVS		_	
Eamon J. Ryan	0 SVS		_	
Michael M. Wilson	0 SVS	_	_	_
Robert A. Mionis	593,906 SVS	*	*	*
Mandeep Chawla	38,986 SVS	*	*	*
Elizabeth L. DelBianco	161,687 SVS	*	*	*
Todd C. Cooper	58,553 SVS	*	*	*
John ("Jack") J. Lawless	92,105 SVS	*	*	*
Jason Phillips	48,990 SVS	*	*	*
Michael P. McCaughey	120,461 SVS	*	*	*
Nicolas Pujet	9,256 SVS	*	*	*
All directors and executive officers as a group (17 persons)	1,133,944 SVS	*	*	*

#### \*Less than 1%.

As used in this table, beneficial ownership means sole or shared power to vote or direct the voting of the security, or the sole or shared investment power with respect to a security (i.e., the power to dispose, or direct a disposition,

- (1) of a security). A person is deemed at any date to have beneficial ownership of any security that such person has a right to acquire within 60 days of such date. More than one person may be deemed to have beneficial ownership of the same securities. Information with respect to stock options held by each NEO, including exercise price and expiration date, is included in Table 16.
- (2) Information as to shares beneficially owned or shares over which control or direction is exercised is not within Celestica's knowledge. Except as otherwise disclosed, such information has been provided by each individual. Includes SVS subject to a total of 270,839 stock options that are currently exercisable, or will be exercisable within 60 days of February 13, 2019, as follows: Mr. Mionis — 224,216 stock options; Ms. DelBianco — 46,623 stock
- options. With respect to Mr. Mionis: all of his options have an exercise price of C\$17.52 and an expiration date of August 1, 2025. With respect to Ms. DelBianco: 22,742 of her options have an exercise price of C\$8.26 and an expiration date of January 31, 2022, and 23,881 of her options have an exercise price of C\$8.29 and an expiration date of January 28, 2023.
- (4) SVS refers to subordinate voting shares.
- Represents the percentage beneficial ownership of the Company's subordinate voting shares and multiple voting shares in the aggregate.

Multiple voting shares and subordinate voting shares have different voting rights. Multiple voting shares entitle the holder to 25 votes per share and subordinate voting shares entitle the holder to one vote per share. Subordinate voting shares represent approximately 20% of the aggregate voting rights attached to Celestica's shares. Multiple voting

shares represent approximately 80% of the voting rights attached to Celestica's shares. See Item 10(B), "Additional Information — Memorandum and Articles of Incorporation."

At February 13, 2019, 2 persons (each an executive officer) held stock options to acquire an aggregate of 0.27 million subordinate voting shares (see footnote (3) in the table above). These stock options were issued pursuant to our Long-Term Incentive

Plan. See Item 6(B), "Compensation" and note 13(b) to the Consolidated Financial Statements in Item 18 for a discussion of the different types of equity awards, including stock options, RSUs and PSUs, issuable to our employees. The following table sets forth information with respect to stock options outstanding as at February 13, 2019. No other Celestica employees hold outstanding stock options.

Outstanding Options

Beneficial Holders Number of Subordinate Voting Shares Under Option	Exercise Price	Date of Issuance	Date of Expiry
Executive Officers 22,742	C\$8.26	January 31, 2012	January 31, 2022
23,881	C\$8.29	January 28, 2013	January 28, 2023
298,954	C\$17.52	August 1, 2015	August 1, 2025

Item 7. Major Shareholders and Related Party Transactions

### A. Major Shareholders

The following table sets forth certain information concerning the direct and beneficial ownership of the shares of Celestica as of February 13, 2019 by each person known to Celestica to own beneficially, directly or indirectly, 5% or more of the subordinate voting shares or multiple voting shares. Multiple voting shares (MVS in the table below) and subordinate voting shares (SVS in the table below) have different voting rights (see Item 6(E) above). Subordinate voting shares represent approximately 20% of the aggregate voting rights attached to Celestica's shares, and multiple voting shares represent approximately 80% of the aggregate voting rights attached to Celestica's shares. See Item 4(B) "Information on the Company — Business Overview — Controlling Shareholder Interest" above for additional information regarding our controlling shareholder, and Item 10(B), "Additional Information — Memorandum and Articles of Incorporation" for additional information regarding our share capital.

Name of Beneficial Owner <sup>(1)</sup>	Number of	Percentage of	Percentage of	Percentage of
	Shares	Class	All Equity Shares	Voting Power
Onex Corporation <sup>(2)</sup>	18,600,193 MVS	100%	13.6%	79.7%
	397,045 SVS	*	*	*
Gerald W. Schwartz <sup>(3)</sup>	18,600,193 MVS	100%	13.6%	79.7%
	517,702 SVS	*	*	*
Letko, Brosseau & Associates Inc. (4)	22,173,121 SVS	18.8%	16.2%	3.8%
Total percentage of all equity shares and total percentage of voting		30.2%	92 601	
power			30.2%	83.6%

<sup>\*</sup>Less than 1%.

As used in this table, beneficial ownership means sole or shared power to vote or direct the voting of the security, or the sole or shared investment power with respect to a security (i.e., the power to dispose, or direct a disposition,

- (1) of a security). A person is deemed at any date to have beneficial ownership of any security that such person has a right to acquire within 60 days of such date. More than one person may be deemed to have beneficial ownership of the same securities.
  - Includes 945,010 MVS held by a wholly-owned subsidiary of Onex. 814,546 of such MVS are subject to options granted to certain officers of Onex pursuant to certain Onex management investment plans, which options may be exercised upon specified dispositions by Onex (directly or indirectly) of Celestica's securities, with respect to
- (2) which Onex has the right to vote or direct the vote ("MIP Options"), including 688,807 MIP Options granted to Mr. Schwartz (each of which MVS will, upon exercise of such options, be automatically converted into an SVS). The percentage ownership of SVS beneficially owned by Onex (assuming conversion of all MVS) was 13.5% as of February 15, 2017, 13.3% as of February 14, 2018, and 13.9% as of February 13, 2019.

The Corporation's Restated Articles of Incorporation (Articles) provide "coat-tail" protection to the holders of the subordinate voting shares by providing that the multiple voting shares will be converted automatically into subordinate voting shares upon any transfer thereof, except (i) a transfer to Onex or any affiliate of Onex or (ii) a

transfer of 100% of the outstanding multiple voting shares to a purchaser who also has offered to purchase all of the outstanding subordinate voting shares for a per share consideration identical to, and otherwise on the same terms as, that offered for the multiple voting shares, and the multiple voting shares held by such purchaser thereafter shall be subject to the share provisions relating to conversion (including with respect to the provisions described herein) as if all references to Onex were references to such purchaser. In addition, if (i) any holder of any multiple

voting shares ceases to be an affiliate of Onex, (ii) Onex and its affiliates, collectively, cease to have the right, in all cases, to exercise the votes attached to, or to direct the voting of, any of the multiple voting shares held by Onex and its affiliates, such multiple voting shares shall convert automatically into subordinate voting shares on a one-for-one basis. For these purposes, (i) Onex includes any successor corporation resulting from an amalgamation, merger, arrangement, sale of all or substantially all of its assets, or other business combination or reorganization involving Onex, provided that such successor corporation beneficially owns directly or indirectly all multiple voting shares beneficially owned directly or indirectly by Onex immediately prior to such transaction and is controlled by the same person or persons as controlled Onex immediately prior to the consummation of such transaction; (ii) a corporation shall be deemed to be a subsidiary of another corporation if, but only if, (a) it is controlled by that other, or that other and one or more corporations each of which is controlled by that other, or two or more corporations each of which is controlled by that other, or (b) it is a subsidiary of a corporation that is that other's subsidiary; (iii) "affiliate" means a subsidiary of Onex or a corporation controlled by the same person or company that controls Onex; and (iv) "control" means beneficial ownership of, or control or direction over, securities carrying more than 50% of the votes that may be cast to elect directors if those votes, if cast, could elect more than 50% of the directors. For these purposes, a person is deemed to beneficially own any security which is beneficially owned by a corporation controlled by such person. In addition, if at any time the number of outstanding multiple voting shares shall represent less than 5% of the aggregate number of the outstanding multiple voting shares and subordinate voting shares, all of the outstanding multiple voting shares shall be automatically converted at such time into subordinate voting shares on a one-for-one basis. Onex, which beneficially owns, controls or directs, directly or indirectly all of the outstanding multiple voting shares, has entered into an agreement with Computershare Trust Company of Canada (as successor to the Montreal Trust Company of Canada), as trustee for the benefit of the holders of the subordinate voting shares, for the purpose of ensuring that the holders of subordinate voting shares will not be deprived of any rights under applicable take-over bid legislation to which they would be otherwise entitled in the event of a take-over bid (as that term is defined in applicable securities legislation) if multiple voting shares and subordinate voting shares were of a single class of shares. Subject to certain permitted forms of sale, such as identical or better offers to all holders of subordinate voting shares, Onex has agreed that it, and any of its affiliates that may hold multiple voting shares from time to time, will not sell any multiple voting shares, directly or indirectly, pursuant to a take-over bid (as that term is defined under applicable securities legislation) under circumstances in which any applicable securities legislation would have required the same offer or a follow-up offer to be made to holders of subordinate voting shares if the sale had been a sale of subordinate voting shares rather than multiple voting shares, but otherwise on the same terms.

The address of Onex is: c/o Onex Corporation, 161 Bay Street, P.O. Box 700, Toronto, Ontario, Canada M5J 2S1. The number of shares beneficially owned, or controlled or directed, directly or indirectly, by Mr. Schwartz consists of 120,657 SVS owned by a company controlled by Mr. Schwartz, and all of the 18,600,193 MVS and 397,045 SVS beneficially owned, or controlled or directed, directly or indirectly, by Onex. Of Celestica's MVS beneficially owned by Onex, 814,546 MVS are subject to MIP Options, including the 688,807 MIP Options granted to Mr. Schwartz (each of which MVS will, upon exercise of such options, be automatically converted into

(3) Board, President and Chief Executive Officer of Onex. In addition, he indirectly owns multiple voting shares of Onex carrying the right to elect a majority of the Onex board of directors. Accordingly, under applicable securities laws, Mr. Schwartz is deemed to be the beneficial owner of the Celestica shares owned by Onex; Mr. Schwartz has advised Celestica, however, that he disclaims beneficial ownership of the shares held by Onex. The percentage ownership of SVS beneficially owned by Mr. Schwartz (assuming conversion of all MVS) was 13.6% as of February 15, 2017, 13.4% as of February 14, 2018, and 14.0% as of February 13, 2019.

The address of Mr. Schwartz is: 161 Bay Street, P.O. Box 700, Toronto, Ontario, Canada M5J 2S1.

(4) Letko, Brosseau & Associates Inc. ("Letko") is the beneficial owner of 22,173,121 SVS and has sole voting power and sole dispositive power over these shares. Clients of Letko have the right to receive or the power to direct the receipt of dividends from, or the proceeds from sale of, the SVS reported as beneficially owned by Letko. No clients of Letko beneficially own more than five percent of the SVS. The address of Letko is: 1800 McGill College Av., Suite 2510, Montréal, Québec, Canada H3A 3J6. The number of shares reported as owned by Letko in this

Major Shareholders Table and the information in this footnote is based on the Schedule 13G/A filed by Letko with the SEC on February 4, 2019, reporting beneficial ownership as of December 31, 2018. The percentage ownership of SVS beneficially owned by Letko was 16.8% as of February 15, 2017, 16.4% as of February 14, 2018, and 18.8% as of February 13, 2019.

There are no arrangements known to the Corporation, the operation of which may at a subsequent date result in a change of control of the Corporation.

#### Holders

As of February 13, 2019, based on information provided to us by our transfer agent, there were 1,630 holders of record of subordinate voting shares, of which 383 holders, holding approximately 78.5% of the outstanding subordinate voting shares, were resident in the United States and 353 holders, holding approximately 21.3% of the outstanding subordinate voting shares, were resident in Canada. These numbers are not representative of the number of beneficial holders of our subordinate voting shares nor are they representative of where such beneficial holders reside, since many of such shares are held of record by brokers or other nominees. The Corporation does not have knowledge of the identities of the beneficial owners of subordinate voting shares registered through intermediaries. No multiple voting shares are held in the United States.

#### B. Related Party Transactions

Onex, which beneficially owns or controls, directly or indirectly, all of our outstanding multiple voting shares, has entered into an agreement with Celestica and with Computershare Trust Company of Canada (as successor to the Montreal Trust Company of Canada), as trustee for the benefit of the holders of the subordinate voting shares, for the purpose of ensuring that the holders

of subordinate voting shares will not be deprived of any rights under applicable take-over bid legislation to which they would be otherwise entitled in the event of a take-over bid (as that term is defined in applicable securities legislation) if multiple voting shares and subordinate voting shares were of a single class of shares. Subject to certain permitted forms of sale, such as identical or better offers to all holders of subordinate voting shares, Onex has agreed that it, and any of its affiliates that may hold multiple voting shares from time to time, will not sell any multiple voting shares, directly or indirectly, pursuant to a take-over bid (as that term is defined under applicable securities legislation) under circumstances in which any applicable securities legislation would have required the same offer or a follow-up offer to be made to holders of subordinate voting shares if the sale had been a sale of subordinate voting shares rather than multiple voting shares, but otherwise on the same terms.

On January 1, 2009, Celestica and Onex entered into a Services Agreement for the services of Mr. Schwartz as a director of the Corporation. The initial term of the Services Agreement was for one year and it automatically renews for successive one-year terms unless either party provides a notice of intent not to renew. In connection with the retirement of Mr. Schwartz from our Board as of December 31, 2016, and the appointment of Mr. Tawfiq Popatia (also an officer of Onex) as his replacement effective January 1, 2017, the Services Agreement was amended as of such date to replace all references to Mr. Schwartz therein with references to Mr. Popatia, and to increase the annual fee payable to Onex thereunder from \$200,000 per year to \$235,000 per year (to be consistent with current annual Board retainer fees), payable in DSUs in equal quarterly installments in arrears. The number of DSUs is determined using the closing price of the subordinate voting shares on the NYSE on the last day of the fiscal quarter in respect of which the installment is to be credited. The Services Agreement terminates automatically and the rights of Onex to receive compensation (other than accrued and unpaid compensation) will terminate (a) 30 days after the first day on which Onex ceases to hold at least one MVS of Celestica or any successor company or (b) the date Mr. Popatia ceases to be a director of Celestica, for any reason.

See Item 5, "Operating and Financial Review and Prospects — Management's Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — Toronto Real Property and Related Transactions" above for a description of the Property Sale Agreement (and related lease arrangements) with respect to the sale of our real property in Toronto, Ontario (which includes our corporate headquarters and our Toronto manufacturing operations) to the Property Purchaser, the terms of the September 2018 assignment of such agreement to the Assignee, and the consummation of such sale on March 7, 2019.

Given the interest in the transaction at the time of execution of the Property Sale Agreement of the Property Purchaser (a related party, as described below), our Board formed a special committee (Special Committee), consisting solely of independent directors, which retained its own independent legal counsel, to review and supervise a competitive bidding process. The Special Committee, after considering, among other factors, that the purchase price for the property exceeded the valuation provided by an independent appraiser, determined that the Property Purchaser's transaction terms were in the best interests of Celestica. Our Board, at a meeting where Mr. Schwartz was not present, approved the transaction based on the unanimous recommendation of the Special Committee.

The original parties to the Property Sale Agreement were the Company and the Property Purchaser, a consortium of four real estate partnerships. Approximately 27% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a privately-held partnership in which Mr. Schwartz has a material interest; and approximately 25% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a partnership in which Mr. Schwartz has a non-voting interest. In September 2018, the Property Sale Agreement was assigned to the Assignee, although the Property Purchaser was not released from its obligations under the Property Sale Agreement. At the time of execution of the assignment, the Assignee was unrelated to us or the Property Purchaser. Subsequent to the execution of such assignment, the Assignee granted the Property Purchaser an option to obtain a 5% non-voting interest in the Assignee.

Our related party transactions are also disclosed in Item 5, "Operating and Financial Review and Prospects — Management's Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — Related Party Transactions."

Indebtedness of Related Parties

As at February 13, 2019, other than inter-company loans among Celestica and its wholly-owned subsidiaries, no related parties (as defined in Form 20-F), were indebted to Onex, Celestica or its subsidiaries.

C. Interests of Experts and Counsel

Not applicable.

#### Item 8. Financial Information

A. Consolidated Statements and Other Financial Information

See Item 18, "Financial Statements."

**Export Sales** 

For the year ended December 31, 2018, we had approximately \$6.3 billion of export sales (i.e., sales to customers located outside of Canada), constituting approximately 95% of our \$6.6 billion in total sales for the year. For further information regarding the allocation of our revenues by geographic region over the last three years, see Item 4, "Information on the Company — Business Overview — Geographies."

Litigation

We are party to litigation from time-to-time. We are not currently (nor in the recent past have been) party to any legal or arbitration proceedings which management expects may have significant effects on the results of operations, business, or financial condition of Celestica. There are no material proceedings in which any of our affiliates, directors, or members of senior management is either a party adverse to us or our subsidiaries or has a material interest adverse to us or our subsidiaries.

Information concerning the status of certain tax matters is disclosed in Item 5, "Operating and Financial Review and Prospects — Management's Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — Litigation and contingencies" and note 24 to the Consolidated Financial Statements in Item 18. Dividend Policy

We have not declared or paid any dividends to our shareholders. We intend to retain earnings for general corporate purposes to promote future growth; as such, our Board does not anticipate paying any dividends at this time. Our Board will review this policy from time-to-time, having regard to our financial condition, financing requirements and other relevant factors.

### B. Significant Changes

Except as otherwise disclosed in this Annual Report, no significant change has occurred since December 31, 2018.

Item 9. The Offer and Listing

A. Offer and Listing Details

Market Information

The subordinate voting shares are listed on the NYSE and the TSX (in each case under the symbol "CLS").

B. Plan of Distribution

Not applicable.

C. Markets

See Item 9A. — "Offer and Listing Details" above. The subordinate voting shares are listed on the NYSE and the TSX.

D. Selling Shareholders

Not applicable.

E. Dilution

Not applicable.

F. Expenses of the Issue

Not applicable.

Item 10. Additional Information

A. Share Capital

Not applicable.

B. Memorandum and Articles of Incorporation

Objects and Purposes

Celestica (Ontario Corporation No. 1201522) can engage in any legal activity permitted under the OBCA. As set forth in Item 6 of our Restated Articles of Incorporation (Articles), there are no restrictions on the business we may carry on or on the powers we may exercise.

Certain Powers of Directors

Celestica's by-laws provide that the directors shall from time to time determine by resolution the remuneration to be paid to the directors, which shall be in addition to the salary paid to any officer or employee of Celestica who is also a director. The directors may also, by resolution, award special remuneration to any director in undertaking any special services on Celestica's behalf other than the normal work ordinarily required of a director of Celestica. The by-laws provide that confirmation of any such resolution by Celestica's shareholders is not required.

The Articles provide that the Board may, without shareholder authorization, from time to time in such amounts and on such terms as it deems expedient: (i) borrow money upon the credit of Celestica; (ii) issue, reissue, sell or pledge debt obligations of Celestica; (iii) give a guarantee on behalf of Celestica to secure performance of an obligation of any person; and (iv) mortgage, hypothecate, charge, pledge or otherwise create a security interest in all or any currently owned or subsequently acquired real and personal, movable and immovable, property of Celestica, including book debts, rights, powers, franchises and undertakings, to secure Celestica's obligations.

Directors do not stand for re-election at staggered intervals, and there is no provision in our Articles or by-laws imposing a requirement for retirement or non-retirement of directors under an age limit requirement. However, the Board has a retirement policy which provides that, unless the Board authorizes an exception, a director shall not stand for re-election after his or her 75<sup>th</sup> birthday.

Share Ownership Requirements

The OBCA provides that unless the articles of a corporation otherwise provide, a director of a corporation is not required to hold shares issued by the corporation. There is no provision in the Articles imposing a requirement that a director hold any shares issued by Celestica. Our Board, however, has established guidelines setting out minimum shareholding requirements for directors who are not employees or officers of Celestica or Onex. See the section entitled "Director Share Ownership Guidelines" under Item 6, "Directors, Senior Management and Employees — Compensation" for a summary of these minimum shareholding requirements.

No Limitation on Foreign Ownership

There are no limitations under our Articles or in the OBCA on persons who are not citizens of Canada with respect to holding or exercising their voting rights as holders of our securities.

Other Provisions of Articles and By-laws

Other than the "coat-tail provisions" described in detail in footnote (2) to the table set forth in Item 7(A), "Major Shareholders" above, there are no provisions in the Articles or By-laws: (i) delaying, deferring or preventing a change in control of our company that operate only with respect to a merger, acquisition or corporate restructuring; (ii) discriminating against any existing or prospective holder of our securities as a result of such shareholder owning a substantial number of our securities; (iii) requiring disclosure of share ownership; or (iv) governing changes in the rights of holders of our securities or our capital, where such provisions are more stringent than those required by law.

#### Shareholder Rights and Limitations

The rights and preferences attached to our subordinate voting shares and multiple voting shares are described in the section entitled "Description of Capital Stock" of our registration statement on Form F-3ASR (Reg. No. 333-221144), filed with the SEC on October 26, 2017, which section is incorporated herein by reference thereto.

Additional information concerning the rights and limitations of Celestica's shareholders is described in the section entitled "Comparison of Celestica and MSL Stockholder's Rights" of our registration statement on Form F-4/A (Reg. No. 333-110362), filed with the SEC on February 9, 2004, which information (pertaining to Celestica) is incorporated herein by reference thereto.

### C. Material Contracts

Information with respect to material contracts, other than contracts entered into in the ordinary course of business, to which Celestica or its subsidiaries is a party, entered into during the two years immediately preceding the publication of this Annual Report, is included in Item 5, "Operating and Financial Review and Prospects — Liquidity and Capital Resources" and Item 6(B), "Compensation." These contracts include equity compensation plans and agreements related to our credit facility and our \$250.0 million accounts receivable sales program, as well as our acquisition of Impakt, each of which is included as an exhibit to this Annual Report. See Item 19, "Exhibits."

#### D. Exchange Controls

Canada has no system of exchange controls. There are no Canadian restrictions on the repatriation of capital or earnings of a Canadian public company to non-resident investors. There are no laws of Canada or exchange restrictions affecting the remittance of dividends, interest, royalties or similar payments to non-resident holders of Celestica's securities, although there may be Canadian and other foreign tax considerations. See Item 10E.— "Taxation."

#### E. Taxation

# Material Canadian Federal Income Tax Considerations

The following is a summary of the material Canadian federal income tax considerations generally applicable to a person (a "U.S. Holder"), who acquires subordinate voting shares and who, for purposes of the Income Tax Act (Canada) (the "Canadian Tax Act") and the Canada-United States Income Tax Convention (1980) (as amended, the "Tax Treaty") at all relevant times is resident in the United States and is neither resident nor deemed to be resident in Canada, is eligible for benefits under the Tax Treaty, deals at arm's length and is not affiliated with Celestica, holds such subordinate voting shares as capital property, and does not use or hold, and is not deemed to use or hold, the subordinate voting shares in carrying on business in Canada. Special rules, which are not discussed in this summary, may apply to a U.S. Holder that is a financial institution (as defined in the Canadian Tax Act), or is an insurer to whom the subordinate voting shares are designated insurance property (as defined in the Canadian Tax Act). This summary is based on Celestica's understanding of the current provisions of the Tax Treaty, the Canadian Tax Act and the regulations thereunder, all specific proposals to amend the Canadian Tax Act or the regulations publicly announced by the Minister of Finance (Canada) prior to February 13, 2019, and the current published administrative policies and assessing practices of the Canada Revenue Agency.

This summary does not express an exhaustive discussion of all possible Canadian federal income tax considerations and, except as mentioned above, does not take into account or anticipate any changes in law, whether by legislative, administrative or judicial decision or action, nor does it take into account the tax legislation or considerations of any province or territory of Canada or any jurisdiction other than Canada, which may differ significantly from the considerations described in this summary.

This summary is of a general nature only and is not intended to be, nor should it be construed to be, legal or tax advice to any particular holder, and no representation with respect to the Canadian federal income tax consequences to any particular holder is made. Consequently, U.S. Holders of subordinate voting shares should consult their own tax advisors with respect to the income tax consequences to them having regard to their particular circumstances. All amounts relevant in computing a U.S. Holder's liability under the Canadian Tax Act are to be computed in Canadian dollars.

#### Taxation of Dividends

By virtue of the Canadian Tax Act and the Tax Treaty, dividends (including stock dividends) on subordinate voting shares paid or credited or deemed to be paid or credited to a U.S. Holder who is the beneficial owner of such dividends will generally be subject to Canadian non-resident withholding tax at the rate of 15% of the gross amount of such dividends. Under the Tax Treaty, the rate of withholding tax on dividends is reduced to 5% if that U.S. Holder is a company that beneficially owns (or is deemed to beneficially own) at least 10% of the voting stock of Celestica. Moreover, under the Tax Treaty, dividends paid to certain religious, scientific, literary, educational or charitable organizations and certain pension organizations that are resident in, and generally exempt from tax in, the U.S., generally are exempt from Canadian non-resident withholding tax. Provided that certain administrative procedures are observed by such an organization, Celestica would not be required to withhold such tax from dividends paid or credited to such organization. Any such organization that has suffered withholding tax should consult its own advisors about the possibility of seeking a refund.

## Disposition of Subordinate Voting Shares

A U.S. Holder will not be subject to tax under the Canadian Tax Act in respect of any capital gain realized on the disposition or deemed disposition of subordinate voting shares unless the subordinate voting shares constitute or are deemed to constitute "taxable Canadian property" other than "treaty-protected property," as defined in the Canadian Tax Act, at the time of such disposition. Generally, subordinate voting shares will not be "taxable Canadian property" to a U.S. Holder at a particular time, where the subordinate voting shares are listed on a designated stock exchange (which currently includes the TSX and NYSE) at that time, unless at any time during the 60-month period immediately preceding that time: (A) the U.S. Holder, persons with whom the U.S. Holder did not deal at arm's length, partnerships of which the U.S. Holder or persons not dealing at arm's length with the U.S. Holder holds a membership interest (directly or indirectly through another partnership) or the U.S. Holder together with all such persons or partnerships, owned 25% or more of the issued shares of any class or series of shares of the capital stock of Celestica; and (B) more than 50% of the fair market value of the subordinate voting shares was derived directly or indirectly from one or any combination of (i) real or immoveable properties situated in Canada, (ii) "Canadian resource properties", (iii) "timber resource properties" and (iv) options in respect of, or interests in, property described in (i) to (iii), in each case as defined in the Canadian Tax Act. In certain circumstances set out in the Canadian Tax Act, the subordinate voting shares of a particular U.S. Holder could be deemed to be "taxable Canadian property" to that holder. Even if the subordinate voting shares are "taxable Canadian property" to a U.S. Holder, they generally will be "treaty-protected property" to such holder by virtue of the Tax Treaty if the value of such shares at the time of disposition is not derived principally from "real property situated in Canada" as defined for these purposes under the Tax Treaty and the Canadian Tax Act. Consequently, on the basis that the value of the subordinate voting shares should not be considered derived principally from such "real property situated in Canada" at any relevant time, any gain realized by the U.S. Holder upon the disposition of the subordinate voting shares generally will be exempt from tax under the Canadian Tax Act.

## Material U.S. Federal Income Tax Considerations

The following discussion describes the material U.S. federal income tax consequences to United States Holders (as defined below) of subordinate voting shares. For purposes of this discussion, a United States Holder is a citizen or resident of the United States, a corporation (or other entity taxable as a corporation for U.S. federal income tax purposes) that is created or organized in or under the laws of the United States or of any state thereof, an estate, the income of which is includible in gross income for U.S. federal income tax purposes regardless of its source, or a trust, if either (i) a court within the United States is able to exercise primary supervision over the administration of the trust and one or more "United States persons" (within the meaning of Section 7701(a)(30) of the U.S. Internal Revenue Code of 1986, as amended (Internal Revenue Code)) have the authority to control all substantial decisions of the trust, or (ii) the trust has made an election under applicable U.S. Department of the Treasury regulations (Treasury Regulations) to be treated as a domestic trust for U.S. federal income tax purposes. If a partnership (or any other entity that is treated as a partnership for U.S. federal income tax purposes) holds subordinate voting shares, the tax treatment of an equity owner of the partnership (or other entity that is treated as a partnership for U.S. federal income tax purposes) generally will depend upon the status of the equity owner and upon the activities of the partnership (or other

entity that is treated as a partnership for U.S. federal income tax purposes). If you are an equity owner of a partnership (or other entity that is treated as a partnership for U.S. federal income tax purposes) holding subordinate voting shares, we suggest that you consult with your tax advisor. This summary is for general information purposes only. It does not purport to be a comprehensive description of all of the tax considerations that may be relevant to your decision to purchase, hold or dispose of subordinate voting shares. This summary considers only United States Holders who will own subordinate voting shares as capital assets within the meaning of Section 1221 of the Internal Revenue Code. In this context, the term "capital assets" means, in general, assets held for investment by a taxpayer. Certain material aspects of U.S. federal income tax relevant to non-United States Holders are also discussed below.

This discussion is based on current provisions of the Internal Revenue Code, current and proposed Treasury Regulations promulgated thereunder, administrative rulings and pronouncements of the U.S. Internal Revenue Service (the "IRS"), and judicial decisions, all as of February 13, 2019, and all of which are subject to change, possibly on a retroactive basis. This discussion does not address all aspects of U.S. federal income taxation that may be relevant to any particular United States Holder based on the United States Holder's individual circumstances. In particular, this discussion does not address the potential application of the alternative minimum tax or U.S. federal income tax consequences to United States Holders who are subject to special treatment, including, without limitation, taxpayers who are broker dealers or insurance companies, taxpayers who have elected mark-to-market accounting, individual retirement and other tax-deferred accounts, tax-exempt organizations, financial institutions or "financial services entities," real estate investment trusts, regulated investment companies, taxpayers subject to special accounting rules under Section 451(b) of the Internal Revenue Code, taxpayers who hold subordinate voting shares as part of a "straddle," "hedge" or "conversion transaction" with other investments, taxpayers owning directly, indirectly or by attribution at least 10% of the voting power or value of our share capital, and taxpayers whose functional currency (as defined in Section 985 of the Internal Revenue Code) is not the U.S. dollar.

This discussion does not address any aspect of U.S. federal gift or estate tax or state, local or non-U.S. tax laws. Additionally, the discussion does not consider the tax treatment of persons who hold subordinate voting shares through a partnership or other pass-through entity (such as an S corporation). For U.S. federal income tax purposes, income earned through a non-U.S. or domestic partnership or similar entity generally is attributed to its owners. You are advised to consult your own tax advisor with respect to the specific tax consequences to you of purchasing, holding or disposing of the subordinate voting shares.

In December 2017, the United States enacted U.S. federal income tax reform, which significantly changed the U.S. federal income tax system. Although this summary takes into account this new U.S. federal income tax law, its provisions are complex and there is limited administrative guidance about its application. United States Holders should consult their own tax advisers regarding the potential impact of this new U.S. federal income tax law on the U.S. federal income tax consequences to them in light of their particular circumstances.

Taxation of Dividends Paid on Subordinate Voting Shares

Subject to the discussion of the passive foreign investment company (PFIC) rules below, in the event that we pay a dividend, a United States Holder will be required to include in gross income as ordinary income the amount of any distribution paid on subordinate voting shares, including any Canadian taxes withheld from the amount paid, on the date the distribution is received, to the extent that the distribution is paid out of our current or accumulated earnings and profits as determined for U.S. federal income tax purposes. In addition, distributions of the Corporation's current or accumulated earnings and profits will be foreign source "passive category income" for U.S. foreign tax credit purposes and will not qualify for the dividends received deduction available to corporations. Distributions in excess of such earnings and profits will be applied against and will reduce the United States Holder's tax basis in the subordinate voting shares and, to the extent in excess of such basis, will be treated as capital gain.

Distributions of current or accumulated earnings and profits paid in Canadian dollars to a United States Holder will be includible in the income of the United States Holder in a dollar amount calculated by reference to the exchange rate on the date the distribution is received. A United States Holder who receives a distribution of Canadian dollars and converts the Canadian dollars into U.S. dollars subsequent to receipt will have foreign exchange gain or loss based on any appreciation or depreciation in the value of the Canadian dollar against the U.S. dollar. Such gain or loss will generally be ordinary income and loss and will generally be U.S. source gain or loss for U.S. foreign tax credit purposes. United States Holders should consult their own tax advisors regarding the treatment of a foreign currency gain or loss.

United States Holders will generally have the option of claiming the amount of any Canadian income taxes withheld either as a deduction from gross income or as a dollar-for-dollar credit against their U.S. federal income tax liability, subject to specified conditions and limitations. Individuals who do not claim itemized deductions, but instead utilize the standard deduction, may not claim a deduction for the amount of the Canadian income taxes withheld, but these individuals generally may still claim a credit against their U.S. federal income tax liability. The amount of foreign income taxes that may be claimed as a credit in any year is subject to complex limitations and restrictions, which must

be determined on an individual basis by each shareholder. The total amount of allowable foreign tax credits in any year cannot exceed the pre-credit U.S. tax liability for the year attributable to foreign source taxable income and further limitations may apply to individuals under the alternative minimum tax. A United States Holder will be denied a foreign tax credit with respect to Canadian income tax withheld from dividends received on subordinate voting shares to the extent that he or she has not held the subordinate voting shares for at least 16 days of the 31-day period beginning on the date which is 15 days before the ex-dividend date or to the extent that he or she is under an obligation to make related payments with respect to substantially similar or related property. Instead, a deduction may be allowed. Any days during which a

United States Holder has substantially diminished his or her risk of loss on his or her subordinate voting shares are not counted toward meeting the 16-day holding period.

Individuals, estates or trusts who receive "qualified dividend income" (excluding dividends from a PFIC) generally will be taxed at a current maximum U.S. federal rate of 20% (rather than the higher tax rates generally applicable to items of ordinary income) provided certain holding period requirements are met. Subject to the discussion of the PFIC rules below, Celestica believes that dividends paid by it with respect to its subordinate voting shares should constitute "qualified dividend income" for United States federal income tax purposes and that holders who are individuals (as well as certain trusts and estates) should be entitled to the reduced rate of tax, as applicable. Holders are urged to consult their own tax advisors regarding the impact of the "qualified dividend income" provisions of the Internal Revenue Code on their particular situations, including related restrictions and special rules.

Dividends received by certain high-income individuals, trusts and estates will also be subject to a 3.8% unearned Medicare contribution tax on passive income.

Taxation of Disposition of Subordinate Voting Shares

Subject to the discussion of the PFIC rules below, upon the sale, exchange or other disposition of subordinate voting shares, a United States Holder will recognize capital gain or loss in an amount equal to the difference between his or her adjusted tax basis in his or her shares and the amount realized on the disposition.

A United States Holder's adjusted tax basis in the subordinate voting shares will generally be the initial cost, but may be adjusted for various reasons including the receipt by such United States Holder of a distribution that was not made up wholly of earning and profits as described above under the heading "Taxation of Dividends Paid on Subordinate Voting Shares." A United States Holder is required to calculate the dollar value of the proceeds received on the sale date as of the "trade date," rather than the date the sale settles, regardless of whether such United States Holder uses the cash method or accrual method of accounting. Capital gain from the sale, exchange or other disposition of shares held more than one year is long-term capital gain. Long-term capital gain that is recognized by non-corporate taxpayers is eligible for a current maximum 20% rate of taxation plus a 3.8% tax on passive income derived by certain high-income individuals, trusts and estates. A reduced rate does not apply to capital gains realized by a United States Holder that is a corporation. Capital losses are generally deductible only against capital gains and not against ordinary income. In the case of an individual, however, unused capital losses in excess of capital gains may offset up to \$3,000 annually of ordinary income. Gain or loss recognized by a United States Holder on a sale, exchange or other disposition of subordinate voting shares generally will be treated as U.S. source income or loss for U.S. foreign tax credit purposes. A United States Holder who receives foreign currency upon disposition of subordinate voting shares and converts the foreign currency into U.S. dollars subsequent to receipt will have foreign exchange gain or loss based on any appreciation or depreciation in the value of the foreign currency against the U.S. dollar. United States Holders should consult their own tax advisors regarding the treatment of a foreign currency gain or loss.

Tax Consequences if We Are a Passive Foreign Investment Company

A non-U.S. corporation will be a passive foreign investment company, or PFIC, if, in general, either (i) 75% or more of its gross income in a taxable year, including the pro rata share of the gross income of any U.S. or foreign company in which it is considered to own 25% or more of the shares by value, is passive income or (ii) 50% or more of its assets in a taxable year, averaged over the year and ordinarily determined based on fair market value and including the pro rata share of the assets of any company in which it is considered to own 25% or more of the shares by value, are held for the production of, or produce, passive income. If Celestica were a PFIC and a United States Holder did not make an election to treat the Corporation as a "qualified electing fund" and did not make a mark-to-market election, each as described below, then:

\*Excess distributions" by Celestica to a United States Holder would be taxed in a special way. "Excess distributions" are amounts received by a United States Holder with respect to subordinate voting shares in any taxable year that exceed 125% of the average distributions received by the United States Holder from the Corporation in the shorter of either the three previous years or his or her holding period for his or her shares before the present taxable year. Excess distributions must be allocated ratably to each day that a United States Holder has held subordinate voting shares. A United States Holder must include amounts allocated to the current taxable year and to any non-PFIC years in his or her gross income as ordinary income for that year. A United States Holder must pay tax on amounts allocated to each

prior taxable PFIC year at the highest marginal tax rate in effect for that year on ordinary income and the tax is subject to an interest charge at the rate applicable to deficiencies for income tax.

The entire amount of gain that is realized by a United States Holder upon the sale or other disposition of shares would also be considered an excess distribution and would be subject to tax as described above.

A United States Holder's tax basis in shares that were acquired from a decedent generally would not receive a step-up to fair market value as of the date of the decedent's death but instead would be equal to the decedent's tax basis, if lower than such value.

The special PFIC rules do not apply to a United States Holder if the United States Holder makes an election to treat the Corporation as a "qualified electing fund" in the first taxable year in which he or she owns subordinate voting shares and if we comply with reporting requirements as described below. Instead, a shareholder of a qualified electing fund is required for each taxable year to include in income a pro rata share of the ordinary earnings of the qualified electing fund as ordinary income and a pro rata share of the net capital gain of the qualified electing fund as long-term capital gain, subject to a separate election to defer payment of taxes, which deferral is subject to an interest charge. We have agreed to supply United States Holders with the information needed to report income and gain pursuant to this election in the event that we are classified as a PFIC. The election is made on a shareholder-by-shareholder basis and may be revoked only with the consent of the IRS. A shareholder makes the election by attaching a completed IRS Form 8621, reflecting the information contained in the PFIC annual information statement, to a timely filed U.S. federal income tax return. Even if an election is not made, a shareholder in a PFIC who is a United States Holder generally must file a completed IRS Form 8621 every year.

A United States Holder who owns PFIC shares that are publicly traded could elect to mark the shares to market annually, recognizing as ordinary income or loss each year an amount equal to the difference as of the close of the taxable year between the fair market value of the PFIC shares and the United States Holder's adjusted tax basis in the PFIC shares, provided, that, in the case of any loss, it can be recognized only to the extent of any net mark-to-market income recognized in prior years. If the mark-to-market election were made, then the rules set forth above would not apply for periods covered by the election. The subordinate voting shares would be treated as publicly traded for purposes of the mark-to-market election and, therefore, such election could be made if Celestica were classified as a PFIC. A mark-to-market election is, however, subject to complex and specific rules and requirements, and United States Holders are strongly urged to consult their tax advisors concerning this election if Celestica is classified as a PFIC

Despite the fact that we are engaged in an active business, we are unable to conclude that Celestica was not a PFIC in 2018 or in prior years, though we believe, based on our internally performed analysis, that such status is unlikely. The tests for determining PFIC status include the determination of the value of all assets of the Corporation which is highly subjective. Further, the tests for determining PFIC status are applied annually, and it is difficult to make accurate predictions of future income and assets, which are relevant to the determination as to whether we will be a PFIC in the future. Accordingly, it is possible that Celestica could be a PFIC in 2019 or in a future year. A United States Holder who holds subordinate voting shares during a period in which we are a PFIC will be subject to the PFIC rules, even if we cease to be a PFIC, unless he or she has made a qualifying electing fund election. Although we have agreed to supply United States Holders with the information needed to report income and gain pursuant to this election in the event that Celestica is classified as a PFIC, if Celestica was determined to be a PFIC with respect to a year in which we had not thought that it would be so treated, the information needed to enable United States Holders to make a qualifying electing fund election would not have been provided. United States Holders are strongly urged to consult their tax advisors about the PFIC rules, including the consequences to them of making a mark-to-market or qualifying electing fund elections with respect to subordinate voting shares in the event that Celestica is treated as a PFIC.

Tax Consequences for Non-United States Holders of Subordinate Voting Shares
Except as described in "Information Reporting and Backup Withholding" below, a holder of subordinate voting shares
that is not a United States Holder ("Non-United States Holder") will not be subject to U.S. federal income or
withholding tax on the payment of dividends on, and the proceeds from the disposition of, subordinate voting
shares unless:

• the item is effectively connected with the conduct by the Non-United States Holder of a trade or business in the United States and, generally, in the case of a resident of a country that has an income treaty with the

United States, such item is attributable to a permanent establishment in the United States; the Non-United States Holder is an individual who holds subordinate voting shares as a capital asset, is present in the United States for 183 days or more in the taxable year of the disposition and satisfies certain other requirements; or the Non-United States Holder is subject to tax pursuant to the provisions of U.S. tax law applicable to U.S. expatriates who expatriated prior to June 17, 2008.

Information Reporting and Backup Withholding

Payments made within the United States, or by a U.S. payor or U.S. middleman, of dividends and proceeds arising from certain sales or other taxable dispositions of subordinate voting shares will be subject to information reporting. Backup withholding tax, at the then applicable rate, will apply if a United States Holder (a) fails to furnish the United States Holder's correct U.S. taxpayer identification number (generally on an IRS Form W-9), (b) is notified by the IRS that the United States Holder has previously failed to properly report items subject to backup withholding tax, or (c) fails to certify, under penalty of perjury, that the United States Holder has furnished the United States Holder's correct U.S. taxpayer identification number and that the IRS has not notified the United States Holder that the United States Holder is subject to backup withholding tax. However, United States Holders that are corporations generally are excluded from these information reporting and backup withholding tax rules. Any amounts withheld under the U.S. backup withholding tax rules will be allowed as a credit against a United States Holder's U.S. federal income tax liability, if any, or will be refunded, if the United States Holder follows the requisite procedures and timely furnishes the required information to the IRS. United States Holders should consult their own tax advisors regarding the information reporting and backup withholding tax rules.

U.S. individuals and "specified domestic entities" generally are required to report an interest in any "specified foreign financial asset" if the aggregate value of such assets owned by such person exceeds \$50,000 on the last day of the taxable year or \$75,000 at any time during the taxable year (or such higher threshold as may apply to a particular taxpayer pursuant to the instructions to IRS Form 8938). Stock issued by a non-U.S. corporation is treated as a specified foreign financial asset for this purpose.

Non-United States Holders generally are not subject to information reporting or backup withholding with respect to dividends paid on or upon the disposition of shares, provided, in some instances, that the Non-United States Holder certifies to his foreign status or otherwise establishes an exemption.

F. Dividends and Paying Agents

Not applicable.

G. Statement by Experts

Not applicable.

## H. Documents on Display

Any statement in this Annual Report about any of our contracts or other documents is not exhaustive. If the contract or document is filed as an exhibit to this Annual Report or is incorporated herein by reference thereto, the contract or document is deemed to modify our description. You must review the exhibits themselves for a complete description of the contract or document.

You may access this Annual Report, including exhibits and schedules, on our website at www.celestica.com or request a copy free of charge through our website. Requests may also be directed: (i) to clsir@celestica.com; (ii) by mail to Celestica Investor Relations, until April 1, 2019, to: 844 Don Mills Road, Toronto, Ontario, Canada M3C 1V7, and after April 1, 2019, to: 5140 Yonge Street, Suite 1900, Toronto, Ontario, Canada M2N 6L7; or (iii) by telephone at 416-448-2211.

The SEC maintains a website (www.sec.gov) that contains reports, proxy and information statements and other information regarding registrants. You may access the documents we file with or furnish to the SEC at that website (for submissions commencing November 2000, the date we began to file electronically with the SEC). Our SEC filings are also available from commercial document retrieval services.

We also file reports, statements and other information with the Canadian Securities Administrators, or the CSA, and these can be accessed electronically at the CSA's System for Electronic Document Analysis and Retrieval website (www.sedar.com).

You may access other information about Celestica on our website at www.celestica.com. Information on our website is not incorporated by reference into this Annual Report.

I. Subsidiary Information

Not applicable.

## Item 11. Quantitative and Qualitative Disclosures about Market Risk

Market Risk

Market risk is the potential loss arising from changes in market rates and market prices. Our market risk exposure results primarily from fluctuations in foreign currency exchange rates and interest rates.

We do not hold financial instruments for speculative trading purposes.

Exchange Rate Risk

Conducting business in currencies other than the U.S. dollar subjects us to translation and transaction risks associated with fluctuations in currency exchange rates. Although we conduct the majority of our business in U.S. dollars (our functional currency), our global operations subject us to foreign currency volatility. Our non-U.S. currency exposures include the Canadian dollar, Thai baht, Malaysian ringgit, Mexican peso, British pound sterling, Chinese renminbi, Euro, Romanian leu, Korean won, and Singapore dollar. As part of our risk management program, we enter into foreign exchange forward contracts and swaps, generally for periods up to 12 months, intended to hedge foreign currency transaction risk and local currency denominated balance sheet exposures. These contracts include, to varying degrees, elements of market risk. We enter into these contracts to lock in the exchange rates for future foreign currency transactions and balance sheet balances, which is intended to reduce the variability of our operating costs and future cash flows denominated in local currencies. While these contracts are intended to reduce the effects of fluctuations in foreign currency exchange rates, our hedging strategy does not mitigate the longer-term impacts of changes to foreign exchange rates.

Currency risk on our income tax expense arises because we are generally required to file our tax returns in the local currency for each particular country in which we have operations. Exchange rate volatility between the relevant local currency and the U.S. dollar will affect the recorded amounts of our foreign assets, liabilities, revenues and expenses in local currency for statutory financial statement purposes. In addition, we earn revenues and incur expenses in foreign currencies as part of our global operations. As a result, we are also exposed to foreign currency exchange transaction risk, such that fluctuations in currency exchange rates may significantly impact the amount of translated U.S. dollars required for expenses incurred in other currencies or received from non-U.S. dollar revenues. While our hedging programs are designed to mitigate currency risk vis-à-vis the U.S. dollar, we remain subject to taxable foreign exchange impacts in our translated local currency financial results relevant for tax reporting purposes.

The table below presents the notional amounts (the U.S. dollar equivalent amounts of the foreign currency buy/sell

contracts at hedge rates), weighted average exchange rates by expected (contractual) maturity dates, and the fair values of our outstanding foreign exchange forward contracts and swaps at December 31, 2018. These notional amounts are used to calculate the contractual payments to be exchanged under the contracts. At December 31, 2018, we had foreign currency contracts and swaps covering various currencies in an aggregate notional amount of \$544.2 million (December 31, 2017 — \$576.1 million). These contracts had a fair value net unrealized loss of \$14.2 million at December 31, 2018 (December 31, 2017 — \$10.3 million net unrealized gain).

At December 31, 2018, we had foreign exchange forward contracts and swaps to trade U.S. dollars in exchange for the following currencies:

	Expected Maturity Date										
	2019	2020	2021 and thereafter	Total	Fair Valu Gain (Los (in million	ss)					
Forward Exchange Agreements											
(Contract amounts in millions)											
Receive C\$/Pay U.S.\$											
Contract amount	\$210.2	\$ -	-\$ -	-\$210.2	\$ (10.3	)					
Average exchange rate	0.76										
Receive Thai Baht/Pay U.S.\$											
Contract amount	\$81.1		_	\$81.1	\$ (0.7	)					
Average exchange rate	0.03										
Receive Malaysian Ringgit/Pay U.S.\$											
Contract amount	\$53.4		_	\$53.4	\$ (0.8	)					
Average exchange rate	0.24										
Receive Mexican Peso/Pay U.S.\$											
Contract amount	\$25.6	_		\$25.6	\$ 0.2						
Average exchange rate	0.05										
Receive British Pound Sterling/Pay U.S.\$											
Contract amount	\$5.3			\$5.3	\$ —						
Average exchange rate	1.27			•	•						
Receive Chinese Renminbi/Pay U.S.\$											
Contract amount	\$66.8			\$66.8	\$ (1.6	)					
Average exchange rate	0.15				, ,						
Pay Euro/Receive U.S.\$											
Contract amount	\$35.8		_	\$35.8	\$ 0.3						
Average exchange rate	1.17			•	•						
Receive Romanian Leu/Pay U.S.\$											
Contract amount	\$40.4		_	\$40.4	\$ (0.9	)					
Average exchange rate	0.25				, ,						
Receive Singapore Dollar/Pay U.S.\$											
Contract amount	\$22.1			\$22.1	\$ (0.3	)					
Average exchange rate	0.74			,	( - 1 - 1						
Pay Other/Receive U.S.\$											
Contract amount	\$3.5		_	\$3.5	\$ (0.1	)					
Average exchange rate	0.01			,	. (	,					
Total	\$544.2	\$ -	_\$ _	<b>-</b> \$544.2	\$ (14.2	)					
Interest Rate Risk	, <del>-</del>					,					

Interest Rate Risk

Borrowings under the New Credit Facility bear interest at specified rates, plus specified margins. See note 12 to the Consolidated Financial Statements in Item 18. Our borrowings under this facility at December 31, 2018 totaled \$757.3 million, comprised of \$348.3 million under the June Term Loan, \$250.0 million under the November Term Loan, and other than ordinary course letters of credit, \$159.0 million under the New Revolver. These borrowings expose us to interest rate risk due to the potential variability in market interest rates. Assuming our outstanding aggregate borrowings under the New Credit Facility as at

December 31, 2018 as described above (December 31, 2017 — aggregate outstanding borrowings of \$187.5 million under our prior credit facility), and without accounting for the interest rate swap agreements described below, a one-percentage point increase in applicable interest rates would increase our interest expense by \$7.6 million annually (December 31, 2017 — an increase of \$1.9 million annually). Assuming aggregate borrowings of \$600.0 million under our term loans and \$450.0 million under the New Revolver (the credit limit thereunder without further use of the accordion feature), and without accounting for the interest rate swap agreements described below, a one-percentage point increase in applicable interest rates would increase our interest expense by \$10.5 million annually. As part of our risk management program, we attempt to mitigate interest rate risk through interest rate swaps. In order to partially hedge against our exposure to interest rate variability on our term loans, we entered into 5-year agreements with a syndicate of third-party banks in August and December 2018 to swap the variable interest rate (based on LIBOR plus a margin) with a fixed rate of interest for an aggregate of \$350.0 million of the total borrowings under our term loans. The swap agreements include options that allow us to cancel up to \$150.0 million of the notional amount of the original swap agreements (\$75.0 million under the November Term Loan starting in December 2020, and \$75.0 million under the June Term Loan starting in August 2021). The cancellable options in the swap agreements are aligned with our risk management strategy for our term loans as they allow us to make voluntary prepayments of outstanding amounts without premium or penalty, subject to certain conditions. Our unhedged borrowings under the New Credit Facility at December 31, 2018 were \$407.3 million (comprised of an aggregate of \$173.3 million under the June Term Loan and \$75.0 million under the November Term Loan, and other than ordinary course letters of credit, \$159.0 million under the New Revolver). A one-percentage point increase in the interest rates applicable to our unhedged borrowings outstanding as at December 31, 2018 would increase our interest expense by \$4.1 million annually (such hedge agreements were not in place as of December 31, 2017).

The change in our exposure to interest rate risk as of December 31, 2018 as compared to December 31, 2017 is attributable to the increased amount of borrowings under the New Credit Facility incurred in 2018 primarily to fund acquisitions in 2018 as compared to the prior year.

See note 21 to the Consolidated Financial Statements in Item 18 for further detail.

#### Credit and Counterparty Risk

Management monitors the institutions that hold our cash and cash equivalents. Management's emphasis is primarily on safety of principal. Management, in its discretion, has diversified our cash and cash equivalents among banking institutions to adjust our exposure to levels they deem acceptable with respect to any one of these entities. To date, we have experienced no loss or lack of access to our invested cash or cash equivalents; however, we can provide no assurances that access to these holdings will not be impacted by adverse conditions in the financial markets, or that third party institutions will retain acceptable credit ratings or investment practices.

Cash balances held at banking institutions in the United States with which we do business may exceed the Federal Deposit Insurance Corporation (FDIC) insurance limits. While management monitors the cash balances in these bank accounts, such cash balances could be impacted if the underlying banks were to become insolvent or could be subject to other adverse conditions in the financial markets.

Credit risk refers to the risk that a counterparty may default on its contractual obligations resulting in a financial loss to us. We believe our risk of counterparty non-performance is relatively low, however, if a key supplier (or any company within such supplier's supply chain) or customer experiences financial difficulties or fails to comply with their contractual obligations, this could result in a financial loss to us (see Item 5, "Operating and Financial Review and Prospects — Management's Discussion and Analysis of Financial Condition and Results of Operations — Overview of business environment" for a discussion of write-downs recorded in each of 2017 and 2016 in connection with our exit from the solar panel manufacturing business). If an institution from which we purchased annuities for our pension plans defaults on their contractual obligations, this would result in a financial loss to us, as we retain ultimate responsibility for the payment of benefits to plan participants unless and until such pension plans are wound-up. With respect to our financial market activities, we have adopted a policy of dealing only with credit-worthy counterparties to help mitigate the risk of financial loss from defaults. We monitor the credit risk of the counterparties with whom we conduct business, through a combined process of credit rating reviews and portfolio reviews. To attempt to mitigate the risk of financial loss from defaults under our foreign currency forward contracts and swaps, and our interest rate

swaps, our contracts are held by counterparty financial institutions, each of which had a Standard and Poor's rating of A-2 or above at December 31, 2018. In addition, we maintain cash and short-term investments in highly-rated investments or on deposit with major financial institutions. Each financial institution with which we have our A/R sales program and the SFP had a Standard and Poor's short-term rating of

A-2 or above and a long-term rating of BBB+ or above at December 31, 2018. Each financial institution from which annuities have been purchased for the defined benefit component of our Canadian pension plan had an A.M. Best or Standard and Poor's long-term rating of A or above at December 31, 2018. In addition, the financial institutions from which annuities have been purchased for the defined benefit component of our U.K. pension plans are governed by local regulatory bodies. We also provide unsecured credit to our customers in the normal course of business. From time to time, we extend the payment terms applicable to certain customers and/or provide longer payment terms when deemed commercially reasonable. Longer payment terms, which have become more prevalent, could adversely impact our working capital requirements, and increase our financial exposure and credit risk. We attempt to mitigate customer credit risk by monitoring our customers' financial condition and performing ongoing credit evaluations as appropriate. In certain instances, we may obtain letters of credit or other forms of security from our customers. We may also purchase credit insurance from a financial institution to reduce our credit exposure to certain customers. We consider credit risk in determining our allowance for doubtful accounts and we believe our allowances, as adjusted from time to time, are adequate.

Item 12. Description of Securities Other than Equity Securities

A. Debt Securities

Not applicable.

B. Warrants and Rights

Not applicable.

C. Other Securities

Not applicable.

D. American Depositary Shares

None.

Part II.

Item 13. Defaults, Dividend Arrearages and Delinquencies

None.

Item 14. Material Modifications to the Rights of Security Holders and Use of Proceeds

None.

Item 15. Controls and Procedures

The information required by this Item concerning our disclosure controls and procedures, and changes in our internal control over financial reporting, is set forth in Item 5, "Operating and Financial Review and Prospects — Management's Discussion and Analysis of Financial Condition and Results of Operations — Liquidity and Capital Resources — Controls and Procedures."

Management's Report on Internal Control over Financial Reporting is set forth on page F-1 of our Consolidated Financial Statements in Item 18. The Company completed the acquisition of Impakt in November 2018, and as a result, management has excluded Impakt's internal controls from the scope of its assessment, and conclusion on the effectiveness, of the Company's internal control over financial reporting as of December 31, 2018, and from such report. Impakt represented 10% of the Company's consolidated assets, and less than 1% of the Company's consolidated revenue as of, and for the year ended, December 31, 2018, respectively.

The attestation report from our independent auditors, KPMG LLP (KPMG) is set forth on page F-2 of our Consolidated Financial Statements in Item 18.

Item 16. [Reserved]

Item 16A. Audit Committee Financial Expert

The Board has considered the extensive financial experience of Mr. Etherington, Ms. Koellner, and Ms. Perry, and has determined that each of them is an audit committee financial expert within the meaning of Item 16A(b) of Form 20-F, and each are independent directors, as that term is defined by the applicable Canadian and SEC rules and in the NYSE listing standards.

Item 16B. Code of Ethics

The Board has adopted a Finance Code of Professional Conduct for Celestica's Chief Executive Officer, our senior finance officers, and all personnel in its finance organization to deter wrongdoing and promote honest and ethical conduct in the practice of financial management, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships; full, fair, accurate, timely and understandable disclosure; compliance with all applicable laws, rules and regulations; prompt internal reporting of violations of the code and accountability for adherence to the code. These professionals are expected to abide by this code as well as Celestica's Business Conduct Governance policy and all of our other applicable business policies, standards and guidelines. The Finance Code of Professional Conduct and the Business Conduct Governance policy can be accessed electronically at www.celestica.com. Celestica will provide a copy of such policies free of charge to any person who so requests. Requests should be directed: (i) to clsir@celestica.com; (ii) by mail to Celestica Investor Relations, until April 1, 2019, to: 844 Don Mills Road, Toronto, Ontario, Canada M3C 1V7, and after April 1, 2019, to: 5140 Yonge Street, Suite 1900, Toronto, Ontario, Canada M2N 6L7; or (iii) by telephone at 416-448-2211.

Item 16C. Principal Accountant Fees and Services

The external auditor is engaged to provide services pursuant to pre-approval policies and procedures established by the Audit Committee of the Board. The Audit Committee approves the external auditor's Audit Plan, the scope of the external auditor's quarterly reviews and all related fees. The Audit Committee must approve any non-audit services provided by the auditor and related fees and does so only if it considers that these services are compatible with the external auditor's independence.

Our auditors are KPMG. KPMG did not provide any financial information systems design or implementation services to us during 2017 or 2018. The Audit Committee has determined that the provision of the non-audit services by KPMG described below does not compromise KPMG's independence.

**Audit Fees** 

KPMG billed \$2.5 million in 2018 (2017 — \$2.3 million) for audit services.

Audit-Related Fees

KPMG billed \$0.3 million in 2018 (2017 — \$0.1 million) for audit-related services, including pension audits and due diligence for acquisitions.

Tax Fees

KPMG billed \$0.1 million in 2018 (2017 — \$0.1 million) for tax compliance and tax advisory services.

All Other Fees

KPMG billed \$0.1 million in 2018 for a regulatory performance audit related to compliance with government accounting standards (2017 — \$0.2 million).

Pre-approval Policies and Procedures — Percentage of Services Approved by Audit Committee

All KPMG services and fees are approved by the Audit Committee as follows. The Audit Committee has established an Audit and Non-Audit Services Pre-Approval Policy to pre-approve all permissible audit and non-audit services provided by our independent auditors. On an annual basis, the Audit Committee reviews and provides pre-approval for certain types of services that may be rendered by the independent auditors and a budget for audit services for the applicable fiscal year. Upon pre-approval of the services on the initial list, management may engage the auditor for specific engagements that are within the definition of

the pre-approved services. Any significant service engagements above a certain threshold will require separate pre-approval. The policy contains a provision delegating pre-approval authority to the Chair of the Audit Committee in instances when pre-approval is needed prior to a scheduled Audit Committee meeting. The Chair of the Audit Committee is required to report on such pre-approvals at the next scheduled Audit Committee meeting. A final detailed review of all audit and non-audit services and fees is performed by the Audit Committee prior to the issuance of the audit opinion at year-end.

Percentage of Hours Expended on KPMG's engagement not performed by KPMG's full-time, permanent employees (if greater than 50%):

Not applicable.

Item 16D. Exemptions from the Listing Standards for Audit Committees None.

Item 16E. Purchases of Equity Securities by the Issuer and Affiliated Purchasers ISSUER PURCHASES OF EQUITY SECURITIES

Period	(a) Total number of subordinate voting shares purchased (in millions)	(b) Average price paid per subordinate voting share	(c) Total number of subordinate voting shares purchased as part of publicly announced plans or programs (in millions)	number of
January 1 — 31, 2018	_	_	_	8.3
February 1 — 28, 20¶8	2.9	\$10.57	2.9	5.4
March 1 — 31, $20^{1/8}(2)$	0.8	\$11.12	0.8	4.6
April 1 — 30, 2018	_	_	_	4.6
May 1 — 31, 20₽8	0.2	\$11.99	0.2	4.4
June 1 — 30, 20¶8(2)	0.5	\$12.21	0.5	3.9
July 1 — 31, 2018	_	_	_	3.9
August 1 — 31, 20¶8	0.9	\$12.21	0.9	3.0
September 1 — 30, 20¶8	1.0	\$12.13	1.0	2.0
October 1 — 31, 20¶8	0.4	\$10.27	0.4	1.6
November 1 — 30, 20¶8(2)	2.0	\$10.31	0.9	_
December 1 — 31, $20\%$ <sup>(3)</sup>	0.2	\$10.21	_	9.5
Total	8.9	\$11.01	7.6	

On November 8, 2017, the TSX accepted our notice to launch, and we announced, a normal course issuer bid (the 2017 NCIB). The 2017 NCIB allowed us to repurchase, at our discretion, until the earlier of November 12, 2018 or the completion of purchases thereunder, up to approximately 10.5 million subordinate voting shares (representing approximately 7.3% of our total outstanding subordinate voting and multiple voting shares at the time of launch) in the open market or as otherwise permitted, subject to the normal terms and limitations of such bids. During 2017, we repurchased and cancelled a total of 1.9 million subordinate voting shares under the 2017 NCIB at a weighted average price of \$10.58 per share. During 2018, we repurchased and cancelled a total of 6.8 million subordinate voting shares under the 2017 NCIB at a weighted average price of \$11.10 per share. The maximum number of subordinate voting shares we were permitted to repurchase for cancellation under the 2017 NCIB was reduced by 1.1 million subordinate voting shares purchased in the open market during the term of the 2017 NCIB (0.8 million subordinate voting shares in 2018) to satisfy delivery obligations under our equity-based compensation plans. See footnote (2) below. The 2017 NCIB expired on November 12, 2018.

(1)

From time-to-time, a broker has purchased subordinate voting shares in the open market, on our behalf, to settle vested employee awards under our equity-based compensation plans. During 2018, approximately 2.1 million subordinate voting shares were purchased on our behalf by a broker for such purpose (0.8 million of which were purchased during the term of the 2017 NCIB, and 1.3 million of which were purchased after the expiry of the 2017 NCIB and prior to the beginning of the 2018 NCIB (as defined in footnote (3) below)). Shares purchased to settle employee awards were not cancelled.

On December 14, 2018, the TSX accepted our notice to launch, and we announced, a normal course issuer bid (the 2018 NCIB). The 2018 NCIB allows us to repurchase, at our discretion, until the earlier of December 17, 2019 or the completion of purchases thereunder, up to approximately 9.5 million subordinate voting shares (representing approximately 7.0% of our total outstanding subordinate voting and multiple voting shares at the time of launch) in

(3) the open market or as otherwise permitted, subject to the normal terms and limitations of such bids. During 2018, we did not repurchase or cancel any subordinate voting shares under the 2018 NCIB. The maximum number of subordinate voting shares we are permitted to repurchase for cancellation under the 2018 NCIB will be reduced by the number of subordinate voting shares purchased in the open market during the term of the 2018 NCIB to satisfy delivery obligations under our equity-based compensation plans. See footnote (2) above.

Item 16F. Change in Registrant's Certifying Accountant

Not applicable.

Item 16G. Corporate Governance

Corporate Governance

We are subject to a variety of corporate governance guidelines and requirements enacted by the TSX, the CSA, the NYSE and the SEC under its rules and those mandated by the United States Sarbanes Oxley Act of 2002 and the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. We are listed on the NYSE and, although we are not required to comply with all of the NYSE corporate governance requirements to which we would be subject if we were a U.S. corporation, our governance practices differ significantly in only one respect from those required of U.S. domestic issuers by the NYSE, as described below. Celestica complies with TSX rules, which require shareholder approval of share compensation arrangements involving new issuances of shares, and of certain amendments to such arrangements, but do not require such approval if the compensation arrangements involve only shares purchased by the Corporation in the open market. NYSE rules require shareholder approval of all equity compensation plans (and material revisions thereto) regardless of whether new issuances or treasury shares are used. Our corporate governance guidelines can be accessed electronically at www.celestica.com.

Item 16H. Mine Safety Disclosure

Not applicable.

Part III.

Item 17. Financial Statements

Not applicable.

Item 18. Financial Statements

The following financial statements have been filed as part of this Annual Report:

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Management's Report on Internal Control Over Financial Reporting	F-1
Reports of Independent Registered Public Accounting Firm	F-2, F-3
Consolidated Balance Sheet as at January 1, 2017, December 31, 2017 and December 31, 2018	F-4
Consolidated Statement of Operations for the years ended December 31, 2016, 2017 and 2018	F-5
Consolidated Statement of Comprehensive Income for the years ended December 31, 2016, 2017 and 2018	F-6
Consolidated Statement of Changes in Equity for the years ended December 31, 2016, 2017 and 2018	F-7
Consolidated Statement of Cash Flows for the years ended December 31, 2016, 2017 and 2018	F-8
Notes to the Consolidated Financial Statements	F-9

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Item 19. Exhibits
The following exhibits have been filed as part of this Annual Report:

Incorporated by Reference								
Exhibit Number	Description	Form	File No.	Filing Date	Exhibit Fil No. He	ed rewith		
1.1	<u>Certificate and Restated Articles of Incorporation</u> <u>effective June 25, 2004</u>	20-F	001-14832	March 23, 2010	1.10			
1.2	Bylaw No. 1	20-F	001-14832	March 23, 2010	1.11			
2	Instruments defining rights of holders of equity securities or long-term debt:							
2.1	See Certificate and Restated Articles of Incorporation identified above							
2.2	Form of Subordinate Voting Share Certificate	F-3ASR	333-221144	October 26, 2017	4.1			
4	Certain Contracts:							
4.1	Services Agreement, dated as of January 1, 2009, between Celestica Inc. and Onex Corporation ("Services Agreement")	20-F	001-14832	March 23, 2010	4.1			
4.2	Amending Agreement to Services Agreement made as of January 1, 2017	20-F	001-14832	March 13, 2017	4.2			
4.3	Executive Employment Agreement, dated as of January 1, 2008, between Celestica Inc., Celestica International Inc. and Elizabeth L. DelBianco	20-F	001-14832	March 25, 2008	4.6			
4.4	Amended and Restated Celestica Inc. Long-Term Incentive Plan as of January 29, 2014	6-K	001-14832	July 9, 2014	99.1			
4.5	Amended and Restated Celestica Inc. Long-Term Incentive Plan as of July 22, 2015	6-K	001-14832	July 29, 2015	99.1			
4.6	Amended and Restated Celestica Inc. Long-Term Incentive Plan as of October 19, 2015	20-F	001-14832	March 7, 2016	4.5			
4.7	Amended and Restated Celestica Inc. Long-Term Incentive Plan as of October 19, 2016	20-F	001-14832	March 13, 2017	4.7			
4.8	Amended and Restated Celestica Share Unit Plan as of January 29, 2014	6-K	001-14832	July 9, 2014	99.2			
4.9	Amended and Restated Celestica Share Unit Plan as of July 22, 2015	6-K	001-14832	July 29, 2015	99.2			
4.10	Amended and Restated Celestica Share Unit Plan as of October 19, 2015	20-F	001-14832	March 7, 2016	4.8			
4.11	Coattail Agreement, dated June 29, 1998, between Onex Corporation, Celestica Inc. and Montreal Trust Company of Canada.		005-55523	October 29, 2012	(d)(1)			
4.12	Directors' Share Compensation Plan (2008)	SC TO-I	005-55523	October 29, 2012	(d)(3)			
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		Incorp	porated by R	Reference		
Exhibit Number	Description	Form	File No.	Filing Date	Exhibit No.	Filed Herewith
4.13	Amended and Restated Revolving Trade Receivables Purchase Agreement, dated as of November 4, 2011, among the Celestica Inc., Celestica LLC, Celestica Czech Republic s.r.o., Celestica Holdings Pte Ltd., Celestica Valencia S.A., Celestica Hong Kong Ltd., Celestica (Romania) s.r.l., Celestica Japan KK, Celestica Oregon LLC, each of the financial institutions named on Schedule I thereto and Deutsche Bank AG New York Branch	20-F	001-14832	March 13, 2015		
4.14	First Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement	20-F	001-14832	March 13, 2017	4.18	
4.15	Second Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement	20-F	001-14832	March 14, 2014	4.14	
4.16	Third Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement					X
4.17	Fourth Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement*		001-14382	March 13, 2015	4.16	
4.18	Fifth Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement and Accession Agreement*		001-14382	March 7, 2016	4.20	
4.19	Sixth Amendment to Amended and Restated Revolving Trade Receivables Agreement*	20-F	001-14382	March 13, 2017	4.23	
4.20	<u>Letter Agreement pertaining to Amended and Restated</u> <u>Revolving Trade Receivables Agreement*</u>	20-F	001-14382	March 12, 2018	4.20	
4.21	Seventh Amendment to Amended and Restated Revolving Trade Receivables Agreement*	20-F	001-14382	March 12, 2018	4.21	
4.22	Eighth Amendment to Amended and Restated Revolving Trade Receivables Agreement	20-F	001-14382	March 12, 2018	4.22	
4.23	Ninth Amendment to Amended and Restated Revolving Trade Receivables Purchase Agreement and Accession Agreement					X
4.24	Tenth Amendment to the Amended and Restated Revolving Trade Receivables Purchase Agreement†					X
4.25	<u>Directors' Share Compensation Plan, amended and restated as of July 25, 2013</u>	20-F	001-14382	March 14, 2014	4.16	
4.26	<u>Directors' Share Compensation Plan, amended and restated as of January 1, 2016</u>	20-F	001-14382	March 7, 2016	4.22	
4.27	<u>Directors' Share Compensation Plan, amended and restated as of January 1, 2019</u>					X
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		Incor	porated by F	Reference		
Exhibit Number	Description	Form	File No.	Filing Date	Exhibit No.	Filed Herewith
4.28	Credit Agreement, dated as of June 27, 2018, among Celestica Inc, and the subsidiaries identified therein as Borrowers, Celestica Inc, and specified subsidiaries identified therein as Guarantors, Bank of America, N.A. as Administrative Agent, Swing Line Lender and an L/C Issuer, and the financial institutions named therein as Lenders				140.	X
4.29	First Incremental Facility Amendment, dated as of November 14, 2018, by and among Celestica Inc., Celestica International LP, Celestica (USA) Inc., the guarantors party thereto, the Incremental Term B-2 Lender (as defined therein), and Bank of America, N.A., as Administrative Agent					X
4.30	Second Amendment to Credit Agreement, dated as of December 21, 2018, by and among Celestica Inc., Celestica International LP, Celestica (USA) Inc., the Guarantors party thereto, and Bank of America, N.A., as Administrative Agent.					X
4.31	Securities Purchase and Merger Agreement, dated as of October 9, 2018, by and among Impakt Holdings, LLC, Graycliff Private Equity Partners III Parallel (A-1 Blocker) LLC, Graycliff Private Equity Partners III Parallel LP, Celestica (USA) Inc., Iron Man Acquisition Inc., Iron Man Merger Sub, LLC, and Fortis Advisors LLC, in its capacity as Holder Representative†					X
4.32	First Amendment to the Securities Purchase and Merger Agreement, dated as of November 9, 2018, by and among Graycliff Private Equity Partners III Parallel LP, Iron Man Acquisition Inc., and Impakt Holdings, LLC†					X
8.1 11.1 11.2	Subsidiaries of Registrant Finance Code of Professional Conduct Business Conduct Governance Policy			March 23, 2010 March 12, 2018		X
12.1	Principal Executive Officer Certification pursuant to Rule 13(a)-14(a)					X
12.2	Principal Financial Officer Certification pursuant to Rule 13(a)-14(a)					X
13.1	Certification required by Rule 13a-14(b) and Section 1350 of Chapter 63 of Title 18 of the United States Code**					X
15.1	Consent of KPMG LLP, Chartered Professional					X
101.INS**	Accountants XBRL Instance Document					X

X

		Incorporated b	y Reference		
Exhibit	Description	Form File No.	Filing	Exhibit	Filed
Number	Description	roini riie No.	Date	No.	Herewith
101.CAL**	XBRL Taxonomy Extension Calculation Linkbase				X
101.CAL	Document				Λ
101.DEF**	XBRL Taxonomy Extension Definition Linkbase				X
101.DEI	Document				Λ
101.LAB**	XBRL Taxonomy Extension Label Linkbase Document				X
101.PRE**	XBRL Taxonomy Extension Presentation Linkbase				X
	Document				Λ

Certain confidential portions of this exhibit were omitted by means of redacting a portion of the text. This exhibit has \*been filed separately with the Securities and Exchange Commission without redactions. Confidential treatment has been granted pursuant to our Application for an Order Granting Confidential Treatment Pursuant to Rule 24b-2 of the U.S. Exchange Act.

Will not be deemed "filed" for purposes of Section 18 of the U.S. Exchange Act, or otherwise subject to the liability \*\* of Section 18 of the U.S. Exchange Act, and will not be incorporated by reference into any filing under the U.S. Securities Act, or the U.S. Exchange Act, except to the extent that the registrant specifically incorporates it by reference.

Certain confidential portions of this exhibit were omitted by means of redacting a portion of the text. This exhibit has been filed separately with the Securities and Exchange Commission without redactions pursuant to our Application for an Order Granting Confidential Treatment Pursuant to Rule 24b-2 of the U.S. Exchange Act.

## **SIGNATURES**

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

CELESTICA INC.

By:/s/ ELIZABETH L. DELBIANCO

Elizabeth L. DelBianco

Chief Legal and Administrative Officer

Date: March 11, 2019

#### MANAGEMENT'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

The management of Celestica Inc. (the Company) is responsible for establishing and maintaining adequate internal control over financial reporting for the Company. The Company's internal control system was designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board. All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement preparation and presentation.

Our internal control over financial reporting includes those policies and procedures that: pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of our assets; provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with applicable accounting principles, and that our receipts and expenditures are being made only in accordance with authorizations of our management and directors; and provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of our assets that could have a material effect on our financial statements.

Management assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2018 based on the criteria set forth in Internal Control — Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on this assessment, management has concluded that, as of December 31, 2018, the Company's internal control over financial reporting is effective.

As discussed in note 3 to the Company's 2018 audited consolidated financial statements, the Company completed the acquisition of Impakt Holdings, LLC (Impakt) in November 2018. As a result, management has excluded Impakt's internal controls from the scope of its assessment, and conclusion on the effectiveness, of the Company's internal control over financial reporting as of December 31, 2018, and from this report. Impakt represented 10% of the Company's consolidated assets and less than 1% of the Company's consolidated revenue as of, and for the year ended, December 31, 2018, respectively.

The Company's independent auditors, KPMG LLP, have audited the effectiveness of our internal control over financial reporting as of December 31, 2018, as stated in their report appearing on page F-2. March 7, 2019

#### REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareholders of Celestica Inc.:

## Opinion on Internal Control Over Financial Reporting

We have audited Celestica Inc.'s (the Company) internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control — Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission. In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control — Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of December 31, 2018 and 2017, and the related consolidated statements of operations, comprehensive income, changes in equity and cash flows for each of the years in the three-year period ended December 31, 2018, and related notes (collectively, the consolidated financial statements), and our report dated March 7, 2019 expressed an unqualified opinion on those consolidated financial statements.

The Company acquired Impakt Holdings, LLC (Impakt) in November 2018, and management excluded from its assessment of the effectiveness of the Company's internal control over financial reporting as of December 31, 2018, Impakt's internal control over financial reporting. Impakt represented 10% of the Company's consolidated assets, and less than 1% of the Company's consolidated revenue as of, and for the year ended, December 31, 2018, respectively. Our audit of internal control over financial reporting of the Company also excluded an evaluation of the internal control over financial reporting of Impakt.

## **Basis for Opinion**

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying "Management's Report on Internal Control over Financial Reporting." Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

## Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed 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. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become

inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ KPMG LLP

Toronto, Canada March 7, 2019 Chartered Professional Accountants, Licensed Public Accountants

#### REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareholders of Celestica Inc.:

Opinion on the Consolidated Financial Statements

We have audited the accompanying consolidated balance sheets of Celestica Inc. (the Company) as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive income, changes in equity and cash flows for each of the years in the three-year period ended December 31, 2018, and related notes (collectively, the consolidated financial statements). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the financial performance and its cash flows for each of the years in the three-year period ended December 31, 2018, in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board. We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control — Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission, and our report dated March 7, 2019 expressed an unqualified opinion on the effectiveness of the Company's internal control over financial reporting.

Change in Accounting Principle

As discussed in note 2(y) to the consolidated financial statements, the Company has changed its method of accounting for revenue recognition in 2018 due to the adoption of IFRS 15, Revenue from Contracts with Customers and included the presentation of the consolidated balance sheet as of January 1, 2017.

## **Basis for Opinion**

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ KPMG LLP

Toronto, Canada March 7, 2019 Chartered Professional Accountants,

Licensed Public Accountants

We have served as the Company's auditor since 1997.

## CELESTICA INC. CONSOLIDATED BALANCE SHEETS (in millions of U.S. dollars)

	January 1 2017	December 31 2017	December 2018	31
Assets		(restated)*	2010	
Current assets:	(restated)	(restated)		
Cash and cash equivalents (note 21)	\$557.2	\$ 515.2	\$ 422.0	
Accounts receivable (note 5)	1,017.4	1,023.7	1,206.6	
Inventories (note 6)	684.4	824.0	1,089.9	
Income taxes receivable	5.4	1.6	5.0	
Assets classified as held for sale (note 7)	28.9	30.1	27.4	
Other current assets	73.9	82.0	72.6	
Total current assets	2,367.2	2,476.6	2,823.5	
Property, plant and equipment (note 8)	302.7	323.9	365.3	
Goodwill (note 9)	23.2	23.2	198.4	
Intangible assets (note 9)	25.5	21.6	283.6	
Deferred income taxes (note 20)	35.3	37.6	36.7	
Other non-current assets (note 10)	88.0	81.3	30.2	
Total assets	\$2,841.9	\$ 2,964.2	\$ 3,737.7	
Liabilities and Equity	,		•	
Current liabilities:				
Borrowings under credit facility & finance leases (notes 4 & 12)	\$56.0	\$ 37.9	\$ 107.7	
Accounts payable	876.9	931.1	1,126.7	
Accrued and other current liabilities	261.7	233.2	320.4	
Income taxes payable (note 20)	32.4	37.7	42.3	
Current portion of provisions (note 11)	18.7	26.6	23.2	
Total current liabilities	1,245.7	1,266.5	1,620.3	
Long-term portion of borrowings under credit facility & finance leases (notes	<sup>4</sup> 188.7	166.5	650.2	
& 12)	188.7	100.5	650.2	
Pension and non-pension post-employment benefit obligations (note 19)	86.0	97.8	88.8	
Provisions and other non-current liabilities (note 11)	28.3	35.4	20.6	
Deferred income taxes (note 20)	35.4	27.8	25.5	
Total liabilities	1,584.1	1,594.0	2,405.4	
Equity:				
Capital stock (note 13)	2,048.2	2,048.3	1,954.1	
Treasury stock (note 13)	(15.3)	(8.7)	(20.2	)
Contributed surplus	862.6	863.0	906.6	
Deficit	(1,613.0)	(1,525.7)	(1,481.7	)
Accumulated other comprehensive loss (note 14)	(24.7)	(6.7)	(26.5	)
Total equity	1,257.8	1,370.2	1,332.3	
Total liabilities and equity	\$2,841.9	\$ 2,964.2	\$ 3,737.7	

Commitments, contingencies and guarantees (note 24), Subsequent event (note 8)

Signed on behalf of the Board of Directors
[Signed] William A. Etherington, Director

\* Certain prior period figures have been restated to reflect the adoption of IFRS 15 (see note 2)
The accompanying notes are an integral part of these consolidated financial statements.

# CELESTICA INC. CONSOLIDATED STATEMENT OF OPERATIONS (in millions of U.S. dollars, except per share amounts)

	Year ended December 31				
	2016 2017 2		2018		
	(restated)				
Revenue	\$6,046.6	\$6,142.7	\$6,633.2		
Cost of sales (notes 6 & 15)	5,617.0	5,724.2	6,202.7		
Gross profit	429.6	418.5	430.5		
Selling, general and administrative expenses (SG&A) (note 15)	211.1	203.2	219.0		
Research and development	24.9	26.2	28.8		
Amortization of intangible assets (note 9)	9.4	8.9	15.4		
Other charges (note 16)	25.5	37.0	61.0		
Earnings from operations	158.7	143.2	106.3		
Refund interest income (notes 17 & 20)	(14.3)				
Finance costs (note 17)	10.0	10.1	24.4		
Earnings before income taxes	163.0	133.1	81.9		
Income tax expense (recovery) (note 20)					
Current	14.2	39.1	39.7		
Deferred	10.5	(11.5)	(56.7)		
	24.7	27.6	(17.0)		
Net earnings	\$138.3	\$105.5	\$98.9		
Basic earnings per share	\$0.98	\$0.74	\$0.71		
Diluted earnings per share	\$0.96	\$0.73	\$0.70		
Shares used in computing per share amounts (in millions):	Ψ0.20	Ψ 0.73	Ψ0.70		
Basic (note 23)	141.8	143.1	139.4		
Diluted (note 23)	143.9	145.1	140.6		
Diace (note 25)	1-TJ.J	1-10.4	1-10.0		

<sup>\*</sup> Certain prior period figures have been restated to reflect the adoption of IFRS 15 (see note 2) The accompanying notes are an integral part of these consolidated financial statements.

## CELESTICA INC.

## CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME

(in millions of U.S. dollars)

	Year er	nded Decen	nber 31
	2016	2017	2018
	(restate	d()restated)	k
Net earnings	\$138.3	\$ 105.5	\$98.9
Other comprehensive income (loss), net of tax (note 14)			
Items that will not be reclassified to net earnings:			
Gains (losses) on pension and non-pension post-employment benefit plans (note 19)	17.1	(18.2)	(54.9)
Items that may be reclassified to net earnings:			
Currency translation differences for foreign operations		0.7	0.1
Changes from currency forward derivatives designated as hedges	8.1	17.3	(15.5)
Changes from interest rate swap derivatives designated as hedges		_	(4.4)
Total comprehensive income	\$163.5	\$ 105.3	\$24.2

<sup>\*</sup> Certain prior period figures have been restated to reflect the adoption of IFRS 15 (see note 2)

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

# CELESTICA INC. CONSOLIDATED STATEMENT OF CHANGES IN EQUITY (in millions of U.S. dollars)

	Capital stock (note 13)	Treasury stock (note 13)	Contribut surplus	<sup>ed</sup> Def	icit	Accumulate other comprehens income (loss) (a)		Total equity	
Balance — December 31, 2015	\$2,093.9	\$(31.4)	\$ 846.7	\$(1,	785.4)	\$ (32.8	)	\$1,091.	0
Impact of change in accounting policies (note 2)		_	_	17.0	)	_		17.0	
Restated balance at December 31, 2015	2,093.9	(31.4)	846.7	(1,7	68.4 )	(32.8	)	1,108.0	
Capital transactions:									
Issuance of capital stock	6.4		(2.3	) —				4.1	
Repurchase of capital stock for cancellation	(52.1)		17.8	_				(34.3	)
Purchase of treasury stock for stock-based plans		(18.2)	_	_		_		(18.2)	)
Stock-based compensation and other		34.3	0.4					34.7	
Total comprehensive income:									
Net earnings for 2016				138	.3			138.3	
Gains on pension and non-pension				17.1				17.1	
post-employment benefit plans (note 19)				17.1				1/.1	
Changes from currency forward derivatives						8.1		8.1	
designated as hedges						0.1		0.1	
Balance — December 31, 2016	\$2,048.2	\$(15.3)	\$ 862.6	\$(1,	613.0)	\$ (24.7)	)	\$1,257.	8
Capital transactions:									
Issuance of capital stock	30.4	_	(16.8)	) —		_		13.6	
Repurchase of capital stock for cancellation	,	_	10.4	_		_		(19.9	)
Purchase of treasury stock for stock-based plans		(16.7)						(16.7	)
Stock-based compensation and other		23.3	6.8					30.1	
Total comprehensive income:									
Net earnings for 2017	_	_	—	105	.5	_		105.5	
Losses on pension and non-pension				(18.	2 )			(18.2	)
post-employment benefit plans (note 19)				(10.	ر ک			(10.2	,
Currency translation differences for foreign						0.7		0.7	
operations						0.7		0.7	
Changes from currency forward derivatives						17.3		17.3	
designated as hedges									
Balance — December 31, 2017	\$2,048.3	\$(8.7)	\$ 863.0	\$(1,	525.7)	\$ (6.7	)	\$1,370.	2
Capital transactions:									
Issuance of capital stock	14.9	_	(14.5	) —		_		0.4	
Repurchase of capital stock for cancellation	(109.1)		33.6					(75.5	)
Purchase of treasury stock for stock-based plans		(22.4)	_					(22.4)	)
Stock-based compensation and other	_	10.9	24.5	_		_		35.4	
Total comprehensive income:									
Net earnings for 2018				98.9	)			98.9	
Losses on pension and non-pension				(54.	9 )			(54.9	)
post-employment benefit plans (note 19)				(⊅-т.	, )			(5 1.)	,
Currency translation differences for foreign	_	_	_	_		0.1		0.1	
operations									
	_	_	_			(15.5)	)	(15.5)	)

Changes	from currency forward derivatives						
designate	d as hedges						
_	from interest rate swap derivatives d as hedges	_	_	_	_	(4.4	) (4.4
Balance -	— December 31, 2018	\$1,954.1	\$(20.2)	\$ 906.6	\$(1,481.7)	\$ (26.5	) \$1,332.3
(a)	Accumulated other comprehensive note 14.	income (loss	s) is net of	tax. See			
The accor	mpanying notes are an integral part of	f these conso	olidated fi	nancial sta	tements.		
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# CONSOLIDATED STATEMENT OF CASH FLOWS

(in millions of U.S. dollars)

	Year ended December 31				
	2016	2017		2018	
Cash provided by (used in):	(restated	d)(restated	)*		
Operating activities:					
Net earnings	\$138.3	\$ 105.5		\$98.9	
Adjustments to net earnings for items not affecting cash:					
Depreciation and amortization	75.6	76.5		89.1	
Equity-settled stock-based compensation (note 13)	33.0	30.1		33.4	
Other charges (note 16)	21.2	5.7		1.4	
Finance costs, net of refund interest income	(4.3)	10.1		24.4	
Income tax expense (recovery)	24.7	27.6		(17.0)	)
Other	(1.1)	(1.6	)	(7.5	)
Changes in non-cash working capital items:					
Accounts receivable	(134.6)	(6.3	)	(155.4	)
Inventories	(61.5)	(139.6	)	(224.0	)
Other current assets	(5.3)	(2.0	)	7.6	
Accounts payable, accrued and other current liabilities and provisions	75.4	51.8		227.0	
Non-cash working capital changes	(126.0)	(96.1	)	(144.8	)
Net income tax refund (paid), including related refund interest income	11.9	(30.8	-	(44.8	-
Net cash provided by operating activities	173.3	127.0	_	33.1	
Investing activities:					
Acquisitions (note 3)	(14.9)	_		(467.1	)
Purchase of computer software and property, plant and equipment (a)	(64.1)	(102.6	)	(82.2	)
Proceeds from sale of assets	1.0	0.8	_	3.7	
Repayment of advances from solar supplier (note 4)	14.0	12.5			
Net cash used in investing activities	(64.0)	(89.3	)	(545.6	)
C	,	`		`	
Financing activities:					
Borrowing under prior credit facility (note 12)	40.0	_		163.0	
Repayments under prior credit facility (note 12)	(75.0)	(40.0	)	(350.5	)
Borrowing under new credit facility (note 12)	_	<del></del>		759.0	
Repayments under new credit facility (note 12)	_	_		(1.7	)
Finance lease payments (note 12)	(4.5)	(6.5	)	-	)
Issuance of capital stock (note 13)	4.1	13.6	_	0.4	
Repurchase of capital stock for cancellation (note 13)		(19.9	)	(75.5	)
Purchase of treasury stock for stock-based plans (note 13)		(16.7	)	(22.4	-
Finance costs paid		(10.2	)	(2.6.0	
Net cash provided by (used in) financing activities		(79.7	)		
provided of (aces in) rinding deviation	( )	(,,,,	,		
Net increase (decrease) in cash and cash equivalents	11.9	(42.0	)	(93.2	)
Cash and cash equivalents, beginning of year	545.3	557.2	,	515.2	,
Cash and cash equivalents, end of year	\$557.2	\$ 515.2		\$422.0	)
(a) Additional equipment of \$9.3 was acquired through finance leases in			0:		

<sup>(</sup>a) Additional equipment of \$9.3 was acquired through finance leases in 2018 (2017 — \$5.0; 2016 — \$3.4). See notes 4, 8 and 12. Purchases of property, plant and equipment that were unpaid at December 31, 2018 were \$14.4 (December 31, 2017 — \$14.0; December 31, 2016 — \$22.6).

\* Certain prior period figures have been restated to reflect the adoption of IFRS 15 (see note 2)

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

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

### 1. REPORTING ENTITY:

Celestica Inc. (Celestica) is incorporated in Ontario with its corporate headquarters located in Toronto, Ontario, Canada. Celestica's subordinate voting shares are listed on the Toronto Stock Exchange (TSX) and the New York Stock Exchange (NYSE).

Celestica delivers innovative supply chain solutions globally to customers in two operating and reportable segments: Advanced Technology Solutions (ATS) and Connectivity & Cloud Solutions (CCS). Our ATS segment consists of our ATS end market, and is comprised of our aerospace and defense, industrial, smart energy, healthtech, and capital equipment businesses. Our capital equipment business consists of our semiconductor, display, and power & signal distribution equipment businesses. Our CCS segment consists of our Communications and Enterprise end markets, and is comprised of our enterprise communications, telecommunications, servers and storage businesses. See note 25 for a discussion of the reorganization of our end markets and the division of our business into two operating and reportable segments, commencing in the first quarter of 2018. Our prior period financial information has been reclassified to reflect the reorganized segment structure and to conform to the current presentation.

# 2. BASIS OF PREPARATION AND SIGNIFICANT ACCOUNTING POLICIES:

# Statement of compliance:

The consolidated financial statements have been prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB).

The consolidated financial statements were authorized for issuance by our Board of Directors on March 7, 2019. Functional and presentation currency:

The consolidated financial statements are presented in U.S. dollars, which is also our functional currency. Unless otherwise noted, all financial information is presented in millions of U.S. dollars (except percentages and per share amounts).

# Use of estimates and judgments:

The preparation of financial statements in conformity with IFRS requires management to make judgments, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets and liabilities, revenue and expenses, and the related disclosures of contingent assets and liabilities. We base our judgments, estimates and assumptions on current facts, historical experience and various other factors that we believe are reasonable under the circumstances. The economic environment could also impact certain estimates necessary to prepare our consolidated financial statements, including estimates related to the recoverable amounts used in our impairment testing of our non-financial assets, and the discount rates applied to our net pension and non-pension post-employment benefit assets or liabilities. Our assessment of these factors forms the basis for our judgments on the carrying values of our assets and liabilities, and the accrual of our costs and expenses. Actual results could differ materially from our estimates and assumptions. We review our estimates and underlying assumptions on an ongoing basis and make revisions as determined necessary by management. Revisions are recognized in the period in which the estimates are revised and may impact future periods as well.

Key sources of estimation uncertainty and judgment: We have applied significant estimates, judgment and assumptions in the following areas which we believe could have a significant impact on our reported results and financial position: our determination of the timing of revenue recognition, measures of work in progress, and estimates and timing of expected returns, revenues and related costs; valuations of inventory, assets held for sale and income taxes; the amount of our restructuring charges or recoveries; the measurement of the recoverable amounts of our cash generating units (or CGUs, which are the smallest identifiable group of assets that cannot be tested individually and generate cash inflows that are largely independent of those of other assets or groups of assets), which includes estimating future growth, profitability, discount and terminal growth rates, and the fair value of our real

property; our valuations of financial assets and liabilities, pension and non-pension post-

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

employment benefit costs, employee stock-based compensation expense, provisions and contingencies; and the allocation of the purchase price and other valuations related to our business acquisitions.

We have also applied significant judgment in the following areas: the determination of our CGUs (which can be comprised of a single site, a group of sites, or a line of business) and whether events or changes in circumstances during the relevant period are indicators that a review for impairment should be conducted, the timing of the recognition of charges or recoveries associated with our restructuring actions, and the decisions and timing of our pension annuity purchases.

We describe our use of judgment and estimation uncertainties in greater detail in the accounting policies described under "Significant Accounting Policies" below.

Recently adopted accounting standards:

# IFRS 9, Financial Instruments:

Effective January 1, 2018, we adopted IFRS 9, Financial Instruments. This standard introduced a new model for the classification and measurement of financial assets, a single expected credit loss (ECL) model for the measurement of the impairment of financial assets, and a new model for hedge accounting that is aligned with a company's risk management activities. In connection with the adoption of this standard, we also complied with the transitional rules of IAS 1, Presentation of Financial Statements and IFRS 7, Financial Instruments Disclosures. In accordance with the transitional provisions of the rule, we have applied the changes of IFRS 9 retrospectively, with the exception of the hedge accounting policies, which we have applied prospectively as required. The adoption of this standard did not result in any adjustments to our consolidated financial statements. See notes 2(q) and (r) for further detail. Under IFRS 9, financial assets are classified as: measured at amortized cost, fair value through other comprehensive income (FVOCI), or fair value through profit or loss (FVTPL). This classification is generally based on the business model in which the financial asset is managed and its contractual cash flow characteristics. IFRS 9 eliminated the held-to-maturity, loans and receivables, and available-for-sale categories previously allowed under IAS 39. Trade and non-customer receivables, that were previously classified as loans and receivables under IAS 39, are measured at amortized cost under IFRS 9. Although the classification of such assets changed, measurement of these assets continues to be at amortized cost, and no changes to their carrying amounts were required upon adopting IFRS 9. For financial liabilities, IFRS 9 largely retains the existing IAS 39 classifications, with the exception of those designated at FVTPL. We do not currently hold any financial liabilities designated as FVTPL, or any financial assets or liabilities designated as FVOCI.

# IFRS 15, Revenue from Contracts with Customers:

Effective January 1, 2018, we adopted IFRS 15, Revenue from Contracts with Customers. This standard provides a comprehensive five-step revenue recognition model for all contracts with customers, and prescribes when and how much revenue should be recognized. This standard replaced IAS 18, Revenues, IAS 11, Construction Contracts, and related interpretations. In accordance with the transitional provisions of the rule, we elected to apply IFRS 15 using the retrospective method, and have restated the comparative reporting periods presented herein, and recognized the transitional adjustments through equity at the start of the first comparative reporting period presented herein. The new standard changed the timing of our revenue recognition for a significant portion of our business, resulting in the recognition of revenue for certain customer contracts earlier than under the previous recognition rules (which was generally upon delivery). The new standard had a material impact on our consolidated financial statements, primarily in relation to inventory and accounts receivable balances. See note 2(y) for the transitional impacts of adopting IFRS 15.

# SIGNIFICANT ACCOUNTING POLICIES:

The accounting policies below are in compliance with IFRS and have been applied consistently to all periods presented in these consolidated financial statements.

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#### (a) Basis of measurement:

These consolidated financial statements have been prepared primarily on the historical cost basis. Other measurement bases, where used, are described in the applicable notes.

### (b) Basis of consolidation:

These consolidated financial statements include our direct and indirect subsidiaries, all of which are wholly-owned. Any subsidiaries that are formed or acquired during the year are consolidated from their respective dates of formation or acquisition. Inter-company transactions and balances are eliminated on consolidation.

### (c) Business combinations:

We use the acquisition method to account for any business combinations. All identifiable assets and liabilities are recorded at fair value as of the acquisition date. Any goodwill that arises from business combinations is tested annually for impairment (see note 2(1)). Potential obligations for contingent consideration and other contingencies are also recorded at fair value as of the acquisition date. We record subsequent changes in the fair value of such potential obligations from the date of acquisition to the settlement date in our consolidated statement of operations. We expense integration costs (for the establishment of business processes, infrastructure and information systems for acquired operations) and acquisition-related consulting and transaction costs as incurred in our consolidated statement of operations.

We use judgment to determine the estimates used to value identifiable net assets and the fair value of contingent consideration, if applicable, at the acquisition date. We may engage third parties to assist in determining the fair value of inventory, property, plant and equipment and intangible assets. We use estimates to determine cash flow projections, including the period of expected future benefit, and future growth and discount rates, among other factors. (d) Foreign currency translation:

The majority of our subsidiaries have a U.S. dollar functional currency, which represents the currency of the primary economic environment in which they operate. For these subsidiaries, we translate monetary assets and liabilities denominated in foreign currencies into U.S. dollars at the period-end exchange rates. We translate non-monetary assets and liabilities denominated in foreign currencies into U.S. dollars at historic rates, and we translate revenue and expenses into U.S. dollars at the average exchange rates prevailing during the month of the transaction. Exchange gains and losses also arise on the settlement of foreign-currency denominated transactions. We recognize foreign currency differences arising on translation in our consolidated statement of operations.

For our subsidiaries with a non-U.S. dollar functional currency, we translate assets and liabilities into U.S. dollars using the period-end exchange rates, and we translate revenue and expenses into U.S. dollars at the average exchange rates prevailing during the month of the transaction. We defer gains and losses arising from the translation of these operations in the foreign currency translation account included in accumulated other comprehensive income (OCI). (e) Cash and cash equivalents:

Cash and cash equivalents include cash on account and short-term investments with original maturities of three months or less. These instruments are subject to an insignificant risk of change in fair value over their terms and, as a result, we carry cash and cash equivalents at cost.

# (f) Accounts receivable:

We initially value our accounts receivable at fair value. We record an allowance for doubtful accounts against accounts receivable that management believes are impaired. We record specific allowances against customer receivables based on a forward-looking ECL model. Our allowance is based on historical experience, and includes consideration of the aging of the balances, the customer's creditworthiness, current economic conditions, expectation of bankruptcies, and political and economic volatility in the markets/location of our customers, among other factors. A default of accounts receivable occurs when customers are unable to pay for the goods or services provided in accordance with the contract terms and conditions. An accounts receivable

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balance is written off or written down to its net realizable value as soon as it is known to be in full or partial default. We will adjust previous write-downs to reflect changes in estimates or actual experience.

(g) Inventories:

We procure inventory and manufacture based on specific customer orders and forecasts and value our inventory on a first-in, first-out basis at the lower of cost and net realizable value. The cost of our finished goods and work in progress includes direct materials, labor and overhead. We may require valuation adjustments if actual market conditions or demand for our customers' products or services are less favorable than originally projected. The determination of net realizable value involves significant management judgment. We consider factors such as shrinkage, the aging of and future demand for the inventory, and contractual arrangements with customers. We attempt to utilize excess inventory in other products we manufacture or return inventory to the relevant suppliers or customers. We use future sales volume forecasts to estimate excess inventory on-hand. A change to these assumptions may impact our inventory valuation and our gross margins. Should circumstances change, we may adjust our previous write-downs in our consolidated statement of operations in the period a change in estimate occurs.

(h) Assets classified as held for sale:

We classify assets as held for sale if the carrying amount will be recovered principally through a sale transaction rather than through continued use. Management must be committed to the sale transaction and the asset must be immediately available for sale in its present condition to qualify as an asset held for sale. Assets classified as held for sale are measured at the lower of their carrying amount and fair value less costs of disposal, and are no longer depreciated. The determination of fair value less costs of disposal involves judgment by management of the probability and timing of disposition and the expected amount of recoveries and costs. We may engage third parties to assist in the determination of the estimated fair value less costs of disposal for assets classified as held for sale. At the end of each reporting period, we evaluate the appropriateness of our estimates and assumptions. We may require adjustments to reflect actual experience or changes in estimates.

# (i) Property, plant and equipment:

We carry property, plant and equipment at cost less accumulated depreciation and accumulated impairment losses. Cost consists of expenditures directly attributable to the acquisition of the asset, including interest on qualified long-term assets. We capitalize the cost of an asset when the economic benefits associated with that asset are probable and when the cost can be measured reliably. We capitalize the costs of major renovations and we write-off the carrying amount of replaced assets. We expense all other maintenance and repair costs in our consolidated statement of operations as incurred. We do not depreciate land. We recognize depreciation expense on a straight-line basis over the estimated useful life of the asset as follows:

Buildings Up to 40 years

Building/leasehold improvements Up to 40 years or term of lease

Machinery and equipment 3 to 15 years

We estimate the useful life of property, plant and equipment based on the nature of the asset, historical experience, expected changes in technology, and the expected duration of related customer programs. When major components of an asset have a significantly different useful life than their primary asset, the components are accounted for and depreciated separately. We review our estimates of residual values, useful lives and the methods of depreciation annually at year end and, if required, adjust for these prospectively. We determine gains and losses on the disposal or retirement of property, plant and equipment by comparing the proceeds from disposal with the carrying amount of the asset and we recognize these gains and losses in our consolidated statement of operations in the period of disposal.

(i) Leases:

We are the lessee of property, plant and equipment, primarily buildings and machinery. We classify leases as operating leases where the risks and rewards of ownership are retained by the lessor. We generally treat payments

made under operating leases as rentals and recognize them as expenses on a straight-line basis over the term of the lease in our consolidated statement of operations. For operating leases, we do not record the leased asset or associated obligation on our consolidated balance sheet.

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We classify leases as finance leases if the risks and rewards of ownership have substantially transferred to us. We capitalize finance leases at the commencement of the lease at the lower of the fair value of the leased asset and the present value of the minimum lease payments (included in property, plant and equipment on our consolidated balance sheet), and we depreciate finance leases over a period based on the useful life of the asset. We include the corresponding liabilities, net of finance costs, on our consolidated balance sheet (see note 12). We allocate each finance lease payment between the liability and finance costs.

See note 2(x), "Recently issued accounting pronouncements" for a description of a new IFRS standard on leases that we adopted as of January 1, 2019.

(k) Goodwill and intangible assets:

### Goodwill:

We initially record goodwill related to acquisitions on our consolidated balance sheet in the amount of the excess of the fair value of the aggregate consideration paid (including the estimated fair value of any contingent consideration) over the fair value of the identifiable net assets acquired. In subsequent reporting periods, we measure goodwill at cost less accumulated impairment losses, if any. We do not amortize goodwill. For purposes of impairment testing, we allocate goodwill to the CGU, or group of CGUs, that we expect will benefit from the related acquisition. See note 2(1), "Impairment of goodwill, intangible assets and property, plant and equipment." Intangible assets:

We record intangible assets on our consolidated balance sheet at fair value on the date of acquisition. We capitalize intangible assets when the economic benefits associated with the asset are probable and when the cost can be measured reliably. We estimate the useful life of intangible assets based on the nature of the asset, historical experience and the projected period of expected future economic benefits to be provided by the asset. In subsequent reporting periods, we measure intangible assets at cost less accumulated amortization and accumulated impairment losses, if any. We amortize these assets on a straight-line basis over their estimated useful lives as follows:

Intellectual property 3 to 5 years Other intangible assets 4 to 15 years Computer software assets 1 to 10 years

Intellectual property assets consist primarily of certain non-patented intellectual property and process technology. Other intangible assets consist primarily of acquired customer relationships and contract intangibles. Computer software assets consist primarily of software licenses. We review our estimates of residual values, useful lives and the methods of amortization annually at year end and, if required, adjust for these prospectively. We reflect changes in useful lives on a prospective basis.

(1) Impairment of goodwill, intangible assets and property, plant and equipment:

We review the carrying amount of goodwill, intangible assets and property, plant and equipment for impairment whenever events or changes in circumstances (triggering events) indicate that the carrying amount of such assets (or the related CGU or CGUs) may not be recoverable. If any such indication exists, we test the carrying amount of such assets or CGUs for impairment. In addition to an assessment of triggering events during the year, we conduct an annual goodwill impairment assessment in the fourth quarter of the year to correspond with our annual planning cycle. Judgment is required in the determination of our CGUs and whether events or changes in circumstances during the year are indicators that a review for impairment should be conducted.

We recognize an impairment loss when the carrying amount of an asset, CGU or group of CGUs exceeds its recoverable amount. The recoverable amount of an asset, CGU or group of CGUs is measured as the greater of its expected value-in-use and its estimated fair value less costs of disposal. The process of determining the recoverable amount is subjective and requires management to exercise significant judgment in estimating future growth, profitability, discount and terminal growth rates, and in projecting future cash flows, among other factors.

Determination of our value-in-use is based on a discounted cash flow

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analysis of the relevant asset, CGU or group of CGUs. The process of determining the estimated fair value less costs of disposal requires valuations and use of appraisals. Where applicable, we engage independent brokers to obtain market prices to estimate our real property and other asset values. We recognize impairment losses in our consolidated statement of operations. We first allocate impairment losses in respect of a CGU or group of CGUs to reduce the carrying amount of its goodwill, and then to reduce the carrying amount of other assets in such CGU or group of CGUs generally on a pro rata basis. See notes 8, 9 and 16(a).

We do not reverse impairment losses for goodwill in future periods. We reverse impairment losses for property, plant and equipment and intangible assets if the losses we recognized in prior periods no longer exist or have decreased as a result of changes in circumstances. At each reporting date, we review for indicators that could change the estimates we used to determine the recoverable amount of the relevant assets. The amount of the reversal will be limited to the carrying amount that would have been determined, net of depreciation or amortization, had we recognized no impairment loss in prior periods.

### (m) Provisions:

We recognize a provision for legal or constructive obligations arising from past events when the amount can be reliably estimated and it is probable that an outflow of resources will be required to settle an obligation. The nature and type of provisions vary and management judgment is required to determine the extent of an obligation and whether the outflow of resources is probable. At the end of each reporting period, we evaluate the appropriateness of the remaining balances. We may require adjustments to the recorded amounts to reflect actual experience or changes in estimates in future periods.

### Restructuring:

We incur restructuring charges relating to workforce reductions, site consolidations, and costs associated with businesses we are downsizing or exiting. Our restructuring charges include employee severance and benefit costs, consultant costs, gains, losses or impairments related to owned sites and equipment we no longer use and which are available for sale, impairment of related intangible assets, and costs related to leased sites and equipment we no longer use.

The recognition of restructuring charges requires management to make certain judgments and estimates regarding the nature, timing and amounts associated with our restructuring actions. Our major assumptions include the timing of employees to be terminated, the measurement of termination costs, the timing and amount of lease obligations and any anticipated sublease recoveries from exited sites, and the timing of disposition and estimated fair values less costs of disposal for assets we no longer use and which are available for sale. We develop detailed plans and record termination costs in the period the employees are informed of their termination. For owned sites and equipment that are no longer in use and are available for sale, we recognize an impairment loss based on their estimated fair value less costs of disposal, with fair value estimated based on market prices for similar assets. We may engage third parties to assist in the determination of the fair values less costs of disposal for these assets. For leased sites that we intend to exit, we discount the lease obligation costs, which represent future contractual lease payments and cancellation fees, if any, less estimated sublease recoveries, if any. We recognize any change in provisions due to the passage of time as finance costs. To estimate future sublease recoveries, we engage independent brokers to determine the estimated tenant rents we can expect to realize. At the end of each reporting period, we evaluate the appropriateness of our restructuring charges and balances. Adjustments to the recorded amounts may be required to reflect actual experience or changes in estimates for future periods. See note 16(a).

# Legal and other contingencies:

In the normal course of our operations, we may be subject to lawsuits, investigations and other claims, including environmental, labor, product, customer disputes and other matters. The filing of a suit or formal assertion of a claim does not automatically trigger a requirement to record a provision. We recognize a provision for loss contingencies,

including legal claims, based on management's estimate of the probable outcome. Judgment is required when there is a range of possible outcomes. Management considers the degree of probability of the outcome and the ability to make a reasonable estimate of the loss. We may also use third party advisors in making our determination. The ultimate outcome, including the amount and timing of any payments required, may vary significantly from our original estimates. Potential material legal and other material contingent obligations that have not been recognized as provisions, as the outcome is remote or not probable, or the amount cannot be reliably estimated, are disclosed as contingent liabilities. See note 24.

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# Warranty:

We offer product and service warranties to our customers. We record a provision for future warranty costs based on management's estimate of probable claims under these warranties. In determining the amount of the provision, we consider several factors including the terms of the warranty (which vary by customer, product or service), the current volume of products sold or services rendered during the warranty period, and historical warranty information. We review and adjust these estimates as necessary to reflect our experience and new information. The amount and aging of our provision will vary depending on various factors including the length of the warranty offered, the remaining life of the warranty and the extent and timing of warranty claims. We classify the portion of our warranty provision for which payment is expected in the next 12 months as current, and the remainder as non-current. (n) Employee benefits:

Pension and non-pension post-employment benefits:

We classify pension and non-pension post-employment benefits as either defined contribution plans or defined benefit plans.

Under defined contribution plans, our obligation is to make a fixed contribution to a separate entity. The related investment risk is borne by the employee. We recognize our obligations to make contributions to defined contribution plans as an employee benefit expense in our consolidated statement of operations in the period the employee services are rendered.

Under defined benefit plans, our obligation is to provide an agreed-upon benefit to specified plan participants. We remain exposed to the actuarial and investment risks with respect to defined benefit plans. Our obligation is actuarially determined using the projected unit credit method, based on service and management's estimates. Actuarial valuations require management to make certain judgments and estimates relating to salary escalation, compensation levels at the time of retirement, retirement ages, the discount rate used in measuring the net interest on the net defined benefit asset or liability, and expected healthcare costs (as applicable). These actuarial assumptions could change from period-to-period and actual results could differ materially from the estimates originally made by management. We evaluate our assumptions on a regular basis, taking into consideration current market conditions and historical data. Market driven changes may affect the actual rate of return on plan assets compared to our assumptions, as well as our discount rates and other variables which could cause actual results to differ materially from our estimates. Changes in assumptions could impact our defined benefit pension plan valuations and our future defined benefit pension expense and required funding.

Our obligation for each defined benefit plan consists of the present value of the defined benefit obligation less the fair value of plan assets, and is presented on a net basis on our consolidated balance sheet. When the actuarial calculation results in a benefit, the asset we recognize is restricted to the present value of economic benefits available in the form of future refunds from the plan or reductions in future contributions to the plan. To calculate the present value of economic benefits, we also consider any minimum funding requirements that apply to the plan. An economic benefit is available if it is realizable during the life of the plan, or on settlement of the plan liabilities.

We recognize past service costs or credits arising from plan amendments, whether vested or unvested, immediately in our consolidated statement of operations. We determine the net interest expense (income) on the net defined benefit liability (asset) for each year by applying the discount rate used to measure the defined benefit obligation at the beginning of the year to the net defined benefit liability (asset) position, taking into account any changes in the net defined benefit liability (asset) during the year as a result of contributions and benefit payments. Net interest expense and other expenses related to defined benefit plans are recognized in our consolidated statement of operations. The difference between the interest income on plan assets and the actual net return on plan assets is included in the re-measurement of the net defined benefit liability (asset). We recognize actuarial gains and losses on plan assets or obligations, as well as any year over year change in the impairment of the balance sheet position in OCI and we

reclassify the amounts to deficit. Curtailment gains or losses may arise from significant changes to a plan. We record curtailment gains or losses in our consolidated statement of operations when the curtailment occurs. To mitigate the actuarial and investment risks of our defined benefit pension plans, we from time to time purchase annuities (using existing plan assets) from third party insurance companies for certain, or all, plan participants. The purchase of annuities by the pension plan substantially hedges the financial risks associated with our pension obligations. Where the annuities

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are purchased on behalf of, and held by the pension plan, the relevant employer retains the ultimate responsibility for the payment of benefits to plan participants, and we retain the pension assets and liabilities on our consolidated balance sheet. Our annuity purchases have resulted (and future annuity purchases may result) in losses, due to a reduction in the value of the plan assets relative to plan obligations as of the date of the annuity purchase. We record these non-cash losses in OCI on our consolidated balance sheet and simultaneously reclassify such amounts to deficit in the same period. Alternatively, where we purchase annuities from insurance companies on behalf of applicable plan participants with the intention of winding-up the relevant plan in the future (with the expectation of transferring the annuities to the individual plan members), the insurance company assumes responsibility for the payment of benefits to the relevant plan participants once the wind-up is complete. In this case, settlement accounting is applied to the purchase of the annuities and the loss (if any) is recorded in other charges in our consolidated statement of operations. In addition, both the pension assets and liabilities will be removed from our consolidated balance sheet once the wind-up of the plan is complete.

# Stock-based compensation:

We generally grant performance share units (PSUs) and restricted share units (RSUs), and from time to time grant stock options, to employees under our stock-based compensation plans. Stock options and RSUs vest in installments over the vesting period. Stock options generally vest 25% per year over a four-year period, and RSUs generally vest one-third per year over a three-year period. We treat each installment under a grant of stock options and RSUs as a separate grant in determining the compensation expense. PSUs vest at the end of their respective terms, generally three years from the grant date, to the extent that specified performance conditions have been met. Stock options:

Stock options are exercisable for subordinate voting shares. We recognize the grant date fair value of stock options granted to employees as compensation expense in our consolidated statement of operations, with a corresponding charge to contributed surplus on our consolidated balance sheet, over the vesting period. We adjust compensation expense to reflect the estimated number of options we expect to vest at the end of the vesting period. When options are exercised, we credit the proceeds to capital stock on our consolidated balance sheet. We measure the fair value of stock options using the Black-Scholes option pricing model. Measurement inputs include the price of our subordinate voting shares on the grant date, the exercise price of the stock option, and our estimates of the following: expected price volatility of our subordinate voting shares (based on weighted average historic volatility), weighted average expected life of the stock option (based on historical experience and general option holder behavior), and the risk-free interest rate.

### RSUs:

The cost we recorded for RSUs was based on the market value of our subordinate voting shares at the time of grant. We amortize the cost of RSUs to compensation expense in our consolidated statement of operations, with a corresponding charge to contributed surplus on our consolidated balance sheet, over the vesting period. We generally settle these awards with subordinate voting shares purchased in the open market by a broker, or by issuing subordinate voting shares from treasury.

# PSUs granted in 2016 and 2017:

The cost we recorded for 40% of PSUs granted in each of 2016 and 2017 was based on the market value of our subordinate voting shares at the time of grant. The cost we recorded for these PSUs, which vest based on a non-market performance condition related to the achievement of pre-determined financial targets over a specified period, was based on our estimate of the outcome of such performance condition. We adjust the cost of these PSUs as new facts and circumstances arise; the timing of these adjustments is subject to judgment. We generally record adjustments to the cost of these PSUs in the final year of the three-year term based on management's estimate of the expected level of

achievement of such performance condition. We amortize the cost of these PSUs to compensation expense in our consolidated statement of operations, with a corresponding charge to contributed surplus on our consolidated balance sheet, over the vesting period. We generally settle these awards with subordinate voting shares purchased in the open market by a broker, or by issuing subordinate voting shares from treasury.

We determined the cost we recorded for 60% of PSUs granted in each of 2016 and 2017 using a Monte Carlo simulation model. The number of awards expected to vest is factored into the grant date Monte Carlo valuation for the award. The number

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of these PSUs that will vest depends on the level of achievement of total shareholder return (TSR), which is a market performance condition, relative to the TSR of a pre-defined group of companies over a three-year period. We do not adjust the grant date fair value regardless of the eventual number of awards that vest based on the level of achievement of the market performance condition. We recognize compensation expense in our consolidated statement of operations on a straight-line basis over the requisite service period and we reduce this expense for the estimated PSU awards that are not expected to vest because the employment conditions are not expected to be satisfied. We generally settle these awards with subordinate voting shares purchased in the open market by a broker, or by issuing subordinate voting shares from treasury.

# PSUs granted in 2018:

The cost we recorded for the PSUs granted in 2018 was based on our estimate of the outcome of the performance conditions. The number of PSUs granted in 2018 that will actually vest will vary from 0 to 200% of the target amount granted based on the level of achievement of a pre-determined non-market performance measurement in the final year of the three-year performance period, subject to modification by a separate pre-determined non-market financial target and our relative TSR performance over the 3 -year vesting period. We estimated the grant date fair value of the TSR modifier for these awards using a Monte Carlo simulation model. The grant date fair value for the non-TSR-based performance measurement and modifier was based on the market value of our subordinate voting shares at the time of grant and may be adjusted in subsequent periods to reflect a change in the estimated level of achievement related to the applicable performance condition. We recognize compensation expense in our consolidated statement of operations on a straight-line basis over the requisite service period and we reduce this expense for the estimated PSU awards that are not expected to vest because the employment conditions are not expected to be satisfied. We generally settle these awards with subordinate voting shares purchased in the open market by a broker, or by issuing subordinate voting shares from treasury.

# DSUs:

The compensation of our Board of Directors is comprised of annual Board retainer fees, annual Audit and Compensation Committee Chair retainer fees (for the Chairs of those committees) and travel fees (collectively, Annual Fees) payable in quarterly installments in arrears. In 2018, directors were required to elect to have either 75% or 100% of their Annual Fees paid in deferred share units (DSUs). The number of DSUs we grant is determined by dividing the elected percentage of the dollar value of the Annual Fees earned in the quarter by the closing price of our subordinate voting shares on the NYSE on the last business day of such quarter. Each DSU represents the right to receive one subordinate voting share or an equivalent value in cash after the individual ceases to serve as a director. DSUs granted prior to January 1, 2007 may be settled with subordinate voting shares issued from treasury or purchased in the open market, or with cash (at the discretion of the Company). DSUs granted after January 1, 2007 may only be settled with subordinate voting shares purchased in the open market, or with cash (at the discretion of the Company). We expense the cost of DSUs through SG&A in our consolidated statement of operations in the period the services are rendered.

### (o) Deferred financing costs:

Deferred financing costs consist of costs relating to the establishment or amendment of our credit facility. We defer financing costs related to our revolving facility as other assets on our consolidated balance sheet which we amortize to our consolidated statement of operations on a straight-line basis over the term of the revolving facility. We record financing costs relating to the issuance of our term loans as a reduction to the cost of the related debt (see note 12) which we amortize to our consolidated statement of operations using the effective interest rate method over the term of the related debt or when the debt is retired, if earlier.

(p)Income taxes:

Our income tax expense for a reporting period is comprised of current and deferred income taxes. Current income taxes and deferred income taxes are recognized in our consolidated statement of operations, except to the extent that they relate to items recognized in OCI or directly in equity, in which case the taxes are also recognized in OCI or directly in equity, respectively.

In the ordinary course of business, there are many transactions for which the ultimate tax outcome is uncertain until we resolve it with the relevant tax authority, which may take many years. The final tax outcome of these matters may be different from the estimates management originally made in determining our tax provision. Management periodically evaluates the

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positions taken in our tax returns with respect to situations in which applicable tax rules are subject to interpretation. We establish provisions related to tax uncertainties where appropriate, based on our estimate of the amount that ultimately will be paid to or received from the tax authorities. We recognize accrued interest and penalties relating to tax uncertainties in current income tax expense. The various judgments and estimates by management in establishing provisions related to tax uncertainties significantly affect the amounts we recognize in our consolidated financial statements.

We use the liability method of accounting for deferred income taxes. Under this method, we recognize deferred income tax assets and liabilities for future income tax consequences attributable to temporary differences between the financial statement carrying amounts of assets and liabilities and their respective income tax bases, and on unused tax losses and tax credit carryforwards. We measure deferred income taxes using tax rates and laws that have been enacted or substantively enacted at the reporting date and that we expect will apply when the related deferred income tax asset is realized or the deferred income tax liability is settled. We recognize deferred income tax assets to the extent we believe it is probable, based on management's estimates, that future taxable profit will be available against which the deductible temporary differences as well as unused tax losses and tax credit carryforwards can be utilized. Estimates of future taxable profit in different tax jurisdictions are an area of estimation uncertainty. We review our deferred income tax assets at each reporting date and reduce them to the extent it is no longer probable that we will realize the related tax benefits. We recognize the effect of a change in income tax rates in the period of enactment or substantive enactment.

We do not recognize deferred income taxes if they arise from the initial recognition of goodwill, or for temporary differences arising from the initial recognition of an asset or a liability in a transaction that is not a business combination and that affects neither accounting nor taxable profit or loss. We also do not recognize deferred income taxes on temporary differences relating to investments in subsidiaries to the extent we are able to control the timing of the reversal of the temporary differences and it is probable that the temporary differences will not reverse in the foreseeable future.

During each period, we record current income tax expense or recovery based on taxable income earned or loss incurred in each tax jurisdiction where we operate, and for any adjustments to taxes payable in respect of previous years, using tax laws that are enacted or substantively enacted at the balance sheet date.

(q) Financial assets and financial liabilities:

We recognize financial assets and financial liabilities initially at fair value and subsequently measure these at either fair value or amortized cost based on their classification as described below.

See note 2(s), "Impairment of financial assets."

Fair value through profit or loss (FVTPL):

Financial assets and any financial liabilities that we purchase or incur, respectively, with the intention of generating earnings in the near term, and derivatives other than cash flow hedges, are classified as FVTPL. This category includes short-term investments in money market funds (if applicable) that we group with cash equivalents, and derivative assets and derivative liabilities that do not qualify for hedge accounting. For investments that we classify as FVTPL, we initially recognize such financial assets on our consolidated balance sheet at fair value and recognize subsequent changes in our consolidated statement of operations. We expense transaction costs as incurred in our consolidated statement of operations. We do not currently hold any liabilities designated as FVTPL.

Amortized cost:

Financial assets that we hold with the intention of collecting the contractual cash flows (in the form of payment of principal and related interest) are measured at amortized cost, and includes our trade receivables, term deposits and non-customer receivables. We initially recognize the carrying amount of such assets on our consolidated balance sheet at fair value plus directly attributable transaction costs, and subsequently measure these at amortized cost using the

effective interest rate method, less any impairment losses.

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

#### Other financial liabilities:

This category is for our financial liabilities that are not classified as FVTPL, and includes our accounts payable, the majority of our accrued liabilities and certain other provisions, as well as borrowings under our credit facility, including our term loans. We record these financial liabilities at amortized cost on our consolidated balance sheet. (r) Derivatives and hedge accounting:

We enter into forward exchange and swap contracts to hedge the cash flow risk associated with firm purchase commitments and forecasted transactions in foreign currencies that are considered highly probable and to hedge foreign-currency denominated balances. We use estimates to forecast future cash flows and the future financial position of net monetary assets or liabilities denominated in foreign currencies. We enter into interest rate swap agreements to mitigate a portion of the interest rate risk on our term loan borrowings. We apply hedge accounting to those hedge transactions that are considered effective. Management assesses the effectiveness of hedges by comparing actual outcomes against our estimates on a regular basis. Subsequent revisions in estimates of future cash flow forecasts, if significant, may result in the discontinuation of hedge accounting for that hedge. We do not enter into derivative contracts for speculative purposes.

At the inception of a hedging relationship, we formally document the relationship between our hedging instrument and the hedged item, as well as our risk management objectives and strategy for undertaking the various hedge transactions. Our process includes linking all derivatives to specific assets and liabilities on our consolidated balance sheet or to specific firm commitments or forecasted transactions. We also formally assess, both at the hedge's inception and at the end of each quarter, whether the derivatives used in hedged transactions are highly effective in offsetting changes in the cash flows of the hedged items. We record the gain or loss from these forward contracts in the same line item where the underlying exposures are recognized in our consolidated statement of operations. For our non-designated hedges against our balance sheet exposures denominated in foreign currencies, we record the gain or loss from these forward contracts in SG&A in our consolidated statement of operations.

Forward contracts that are not designated as hedges are marked to market each period, resulting in a gain or loss in our consolidated statement of operations. We measure all derivative contracts at fair value on our consolidated balance sheet. The majority of our derivative assets and liabilities arise from the foreign currency forward contracts and interest rate swaps that we designate as cash flow hedges. In a cash flow hedge, we defer the changes in the fair value of the hedging derivative, to the extent effective, in OCI until we recognize the asset, liability or forecasted transactions being hedged in our consolidated statement of operations. Any cash flow hedge ineffectiveness is recognized in our consolidated statement of operations immediately. For hedges that we discontinue before the end of the original hedge term, we amortize the unrealized hedge gain or loss in OCI in our consolidated statement of operations over the remaining term of the hedge. If the hedged item ceases to exist before the end of the original hedge term, we recognize the unrealized hedge gain or loss in OCI immediately in our consolidated statement of operations. For our current currency forward and swap cash flow hedges, the majority of the underlying expenses we hedge are included in cost of sales. For our interest rate swaps, the underlying interest expenses that we hedge are included in finance costs in our consolidated statement of operations.

We value our derivative assets and liabilities based on inputs that are either readily available in public markets or derived from information available in public markets. The inputs we use include discount rates, forward exchange rates, interest rate yield curves and volatility, and credit risk adjustments. Changes in these inputs can cause significant volatility in the fair value of our financial instruments in the short-term.

# (s) Impairment of financial assets:

We review financial assets at each reporting date. Financial assets are deemed to be impaired when objective evidence resulting from one or more events subsequent to the initial recognition of the asset indicates the estimated future cash

flows of the asset have decreased. We use a forward-looking ECL model in determining our allowance for doubtful accounts as it relates to trade receivables, contract assets (under IFRS 15), and other financial assets. Our allowance is based on historical experience, and includes consideration of the aging of the balances, the customer's creditworthiness, current economic conditions, expectation of bankruptcies, and political and economic volatility in the markets/location of our customers, among other factors. We measure an impairment loss as the excess of the carrying amount over the present value of the estimated future cash flows discounted using the financial asset's original discount rate, and we recognize this loss in our consolidated statement of operations. A

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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financial asset is written off or written down to its net realizable value as soon as it is known to be impaired. We will adjust previous write-downs to reflect changes in estimates or actual experience.

# (t) Revenue and deferred investment costs:

We derive the majority of our revenue from the sale of electronic products and services that we manufacture and provide to customer specifications. We recognize revenue from the sale of products and services rendered when our performance obligations have been satisfied or when the associated control over the products has passed to the customer and no material uncertainties remain as to the collection of our receivables. Under IFRS 15, which we adopted on January 1, 2018, where products are custom-made to meet a customer's specific requirements, and such customer is obligated to compensate us for the work performed to date, we will recognize revenue over time as production progresses to completion, or as services are rendered. We generally estimate revenue for our work in progress based on costs incurred to date plus a reasonable profit margin for eligible products for which we do not have alternative uses. For other contracts that do not qualify for revenue recognition over time, we recognize revenue at the point in time where control is passed to the customer, which is generally upon shipment when no further performance obligation remains except for our standard manufacturing or service warranties. We apply significant estimates, judgment and assumptions in determining the timing of revenue recognition, measuring work in progress, and estimating the amount and timing of expected returns, revenues and related costs. As our invoices are typically issued at the time of the delivery of final products to the customers, the earlier recognition of revenue on certain custom-made products has significantly increased the amount of unbilled contract assets included in accounts receivable on our consolidated balance sheet. See "Recently adopted accounting standards" above and note 2(y) below for the impact of adopting IFRS 15 effective January 1, 2018.

We record certain investment costs, comprised of contract acquisition or fulfillment costs, to the extent recoverability of these costs are probable, in other current and non-current assets on our consolidated balance sheet. We subsequently amortize these investment costs over the projected period of expected future economic benefits, or as recoveries are realized, from the new contracts. We monitor these deferred costs for potential impairment on a regular basis.

### (u) Government grants:

We receive government grants from time to time related to equipment purchases or other expenditures. We recognize these grants when there is reasonable assurance that we will retain the benefits. If we receive a grant but cannot reasonably assure that we will comply with the conditions of the grant, we will defer the grant and record a liability on our consolidated balance sheet until the conditions are fulfilled. For grants that relate to the purchase of equipment, we reduce the cost of the asset in the period the cost is incurred or when the conditions are fulfilled, and we calculate amortization on the net amount. For grants that relate to operating expenditures, we reduce the expense in the period the cost is incurred or when the conditions are fulfilled.

# (v) Research and development:

We incur costs relating to research and development activities. We expense these costs as incurred in our consolidated statement of operations unless development costs meet the required criteria under IFRS for capitalization.

# (w) Earnings per share (EPS):

We calculate basic EPS by dividing net earnings by the weighted average number of shares (subordinate and multiple voting shares collectively) outstanding during the period. We calculate diluted EPS using the treasury stock method, which reflects the potential dilution from stock-based awards that are issued from treasury.

### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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### (x) Recently issued accounting pronouncements:

# IFRS 16, Leases:

In January 2016, the IASB issued this standard, which brings most leases on-balance sheet for lessees under a single model, eliminating the distinction between operating and finance leases. IFRS 16 supersedes IAS 17, Leases, and related interpretations, and is effective for periods beginning on or after January 1, 2019. We adopted this standard effective January 1, 2019 applying the modified retrospective approach, whereby the cumulative effect of adopting IFRS 16 will be recognized as an adjustment to the opening retained deficit balance as of January 1, 2019, without restatement of prior period comparative information. We have implemented changes to our business processes, systems and controls to enable the preparation of our consolidated financial statements in accordance with IFRS 16. We will recognize new right-of-use assets and lease liabilities related to the majority of our operating leases on our consolidated balance sheet as of January 1, 2019 upon initial application of IFRS 16. The amortization of these assets will be recognized as a depreciation charge, and the interest expense on the lease liabilities will be recognized as finance costs in our consolidated statement of operations, Previously, we recognized operating lease expenses on a straight-line basis over the lease term generally in cost of sales or SG&A in our consolidated statement of operations. No significant changes are expected for our existing finance leases nor for any leases in which we are a lessor. Although we are completing our analysis of the impact of adopting IFRS 16, we anticipate that the initial application of the new standard will have a material impact on our consolidated financial statements, and we currently estimate that we will recognize right-of-use assets and lease liabilities on our consolidated financial statements of approximately \$113 as of January 1, 2019. The opening retained deficit adjustment is not expected to be material.

#### (y) Transition to IFRS 15, Revenue from Contracts with Customers:

We adopted the new revenue recognition standard effective January 1, 2018, by applying the retrospective method, and have restated the comparative reporting periods presented herein. In computing the transitional adjustments, we applied the practical expedients in accordance with IFRS 15 to exclude certain contracts that we started and completed in the same annual reporting period, or were completed prior to January 1, 2016, the beginning of the earliest period presented herein. We recognized the transitional adjustments through equity as of January 1, 2016. Transitional impacts:

For a significant portion of our business, the timing of our revenue recognition has changed under the new standard from a point-in-time to over time, resulting in earlier recognition of revenue than under the previous recognition rules (which was generally upon delivery of final products to our end customer). The most significant financial impacts of adopting IFRS 15 on the comparative periods in our consolidated financial statements are summarized as follows:

	Year ended		Year ended		
	January December 1, 2016 31, 2016	er <sub>31</sub>	perDecember 31, 2017	December 31, 2017	
	Increase (decreas	e)			
Contract assets (included in accounts receivable)	\$196.9 —	\$ 226.9		\$ 258.9	
Inventories	(178.2)—	(206.2	)—	(237.8)	)
Deferred taxes	(1.7)—	(1.7	)—	(1.9	)
Accrued and other current liabilities				(0.3	)
Deficit	(17.0 )—	(19.0	)—	(19.5	)
Revenue	_ \$ 30.1	_	\$ 32.2		

Cost of sales	 28.1	_	31.5	
Income tax expense	 	_	0.2	
Net earnings	 2.0		0.5	
Diluted earnings per share	 \$ 0.01		\$ 0.01	

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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#### Contract assets and liabilities:

Our contract assets consist of unbilled amounts recognized as revenue under IFRS 15 and deferred investment costs incurred to obtain or fulfill a contract. Contract assets are recorded in accounts receivable on our consolidated balance sheet. Deferred investment costs are recorded in other current and non-current assets on our consolidated balance sheet. Our contract liabilities consist of advance payments from customers and deferred revenue, which are recorded in accrued and other current liabilities on our consolidated balance sheet.

# 3. ACQUISITIONS:

We may, at any time, be engaged in ongoing discussions with respect to possible acquisitions that could expand our revenue base and/or service offerings, increase our penetration in various industries, establish strategic relationships with new or existing customers, enhance our competitiveness and/or enhance our global supply chain network. We incur consulting, transaction and integration costs (Acquisition Costs) relating to potential and completed acquisitions. During 2018, we recorded Acquisition Costs of \$11.0 (2017 — \$4.5; 2016 — \$1.4) in other charges in our consolidated statement of operations.

In November 2016, we acquired the business assets of Lorenz, Inc. and Suntek Manufacturing Technologies, SA de CV, collectively known as Karel Manufacturing (Karel), for a cash purchase price of \$14.9, with operations in Mexico. Karel is a manufacturing services company that specializes in complex wire harness assembly, systems integration, sheet metal fabrication, welding and machining, serving primarily aerospace and defense customers. As part of the acquisition, we acquired \$11.5 in assets, primarily for current assets, net of cash acquired, and \$3.7 of goodwill, representing the specialized knowledge of the acquired workforce and expected synergies. The goodwill arising from this acquisition is attributable to our ATS segment, and approximately two-thirds of such goodwill was tax deductible.

In April 2018, we completed the acquisition of U.S.-based Atrenne Integrated Solutions, Inc. (Atrenne), a designer and manufacturer of ruggedized electromechanical solutions, primarily for military and commercial aerospace applications, with operations in Minnesota and Massachusetts. The purchase price for Atrenne was \$141.7, net of cash acquired, including a net working capital adjustment of \$3.8 (which is subject to finalization). The purchase was funded with borrowings under the revolving portion of our then-available credit facility. We recorded \$64.0 of goodwill as part of the acquisition, attributable primarily to the specific knowledge and capabilities of the acquired workforce and expected synergies from the combination of our operations.

Details of our preliminary purchase price allocation in the year of acquisition are as follows:

	Atrenr	ne
Current assets, net of \$1.1 of cash acquired	\$31.5	
Property, plant and equipment	7.8	
Customer intangible assets and computer software assets	51.0	
Goodwill	64.0	
Current liabilities	(8.5)	)
Deferred income taxes and other-long-term liabilities	(4.1	)
_	\$141.7	7

Acquired assets and liabilities are recorded on our consolidated balance sheet at their fair values as of the date of acquisition. In connection with our purchase of Atrenne, we recorded a \$1.6 fair value adjustment to write up the value of the acquired inventory as of the acquisition date, representing the difference between the inventory's cost and its fair value. During the second quarter of 2018, we recognized the full \$1.6 fair value adjustment through cost of sales, as all such acquired inventory was sold during that quarter.

The purchase price for Atrenne includes a customary post-closing net working capital adjustment. We expect to finalize our purchase price allocation by the end of the first quarter of 2019, once such net working capital adjustment has been finalized.

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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Annual amortization of intangible assets increased by approximately \$6 as a result of the Atrenne acquisition. The goodwill arising from this acquisition is attributable to our ATS segment and is not tax deductible.

In November 2018, we completed the acquisition of U.S.-based Impakt Holdings, LLC (Impakt), a highly-specialized, vertically integrated company providing manufacturing solutions for leading OEMs in the display and semiconductor industries, as well as other markets requiring complex fabrication services, with operations in California and South Korea. The purchase price for Impakt was \$325.4, net of cash acquired. The purchase price is subject to a net working capital adjustment, which has not yet been finalized. The purchase was funded with borrowings under our revolving credit facility, \$245.0 of which was repaid with proceeds of a new incremental term loan under our credit facility (see note 12). We recorded \$111.2 of goodwill as part of the acquisition, attributable primarily to the specific knowledge and capabilities of the acquired workforce and expected synergies from the combination of our operations.

Details of our preliminary purchase price allocation in the year of acquisition are as follows:

Impakt
\$46.7
20.9
223.0
111.2
(23.8)
(52.6)
\$325.4

The determination of the fair value of certain assets in the table above, including customer intangible assets and working capital assets, has not been finalized. We expect to complete the valuation of these assets and to finalize the purchase price allocation for Impakt in the first half of 2019.

We expect annual amortization of intangible assets to increase by approximately \$15 as a result of the Impakt acquisition. The goodwill arising from this acquisition is attributable to our ATS segment and is not tax deductible. Pro forma disclosure: Consolidated revenue and net earnings for fiscal year 2018 would not have been materially different had either (or both of) the Atrenne and Impakt acquisitions occurred at the beginning of 2018.

We engaged third-party consultants to provide valuations of certain inventory, property, plant and equipment and intangible assets in connection with our purchases of Atrenne and Impakt. The fair value of the acquired tangible assets was measured based on their value in-use, by applying the market (sales comparison, brokers' quotes), cost or replacement cost, or the income (discounted cash flow) approach, as deemed appropriate. The valuation of the intangible assets by the third-party consultants was primarily based on the income approach using a discounted cash flow model and forecasts based on management's subjective estimates and assumptions. Various Level 2 and 3 data inputs of the fair value measurement hierarchy (see note 21 for definitions) were used in the valuation of the above-mentioned assets.

### 4. SOLAR PANEL MANUFACTURING BUSINESS:

During the fourth quarter of 2016, due to anticipated prolonged volatility in the solar panel market, we made the decision to exit the solar panel manufacturing business, and terminated (prior to its scheduled expiration) a supply agreement pursuant to which we had made specific cash advances during 2015 to an Asia-based solar cell supplier (Solar Supplier). All such cash advances were repaid in full during 2017 (cash advances outstanding at December 31,

2016 — \$12.5). Under this supply agreement, we also manufactured and sold completed solar panels to the Solar Supplier as a customer (discussed below).

In connection with our exit from this business, we wrote down the carrying values of our inventories and our solar panel manufacturing equipment during 2016 to then-recoverable amounts (see notes 6 and 16(a), respectively), and completed production of the final solar panels in the first quarter of 2017. During 2017, we recorded: (i) additional provisions of \$0.9 in

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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cost of sales, to further write down the carrying value of our remaining solar panel inventory to reflect lower prices obtained in then-current purchase orders, (ii) a provision of \$0.5 in SG&A, to write down the carrying value of solar accounts receivable, primarily as a result of a solar customer's bankruptcy, and (iii) net impairment charges of \$3.8 in other charges (through restructuring) to further write down the carrying value of our solar panel manufacturing equipment to its estimated fair value less costs of disposal, based on executed sales agreements (see note 16(a)). During the third quarter of 2017, we shipped all of our remaining solar panel inventory to customers, including to the Solar Supplier. As of December 31, 2017, we had \$6.7 of outstanding solar accounts receivable, all from the Solar Supplier, which were repaid in full during 2018. During the second quarter of 2018, we completed the sale of our remaining solar equipment. In anticipation of such disposition, we paid \$11.3 (including fees and accrued interest) to terminate and settle our outstanding lease obligations for this equipment in January 2018. See notes 8 and 12.

# 5. ACCOUNTS RECEIVABLE:

Accounts receivable sales and financing programs:

We have an agreement to sell up to \$250.0 in accounts receivable on an uncommitted basis (subject to pre-determined limits by customer) to two third-party banks. Based on a review of our requirements, we amended this agreement in November 2018 to increase its overall capacity from \$200.0 to \$250.0. The term of this agreement has been annually extended in recent years (including in November 2018) for additional one-year periods (and is currently extendable to November 2020 under specified circumstances), but may be terminated earlier as provided in the agreement. At December 31, 2018, \$130.0 of accounts receivable were sold under this program (December 31, 2017 — \$80.0). We continue to collect cash from our customers and remit the cash to the banks once it is collected.

We also participate in a customer's supplier financing program (SFP), pursuant to which we sell accounts receivable from such customer to a third-party bank on an uncommitted basis. At December 31, 2018, we sold \$50.0 of accounts receivable under the SFP (December 31, 2017 — \$52.3), in order to receive earlier payment. We utilize the SFP to substantially offset the effect of extended payment terms required by such customer on our working capital for the period. The third-party bank collects the relevant receivables directly from the customer.

The accounts receivable sold under both of these programs are de-recognized from our accounts receivable balance and removed from our consolidated balance sheet, and the proceeds are reflected as cash provided by operating activities in our consolidated statement of cash flows. Upon sale, we assign the rights to the accounts receivable to the banks. We pay discount charges which we record as finance costs in our consolidated statement of operations. Contract assets:

At December 31, 2018, our accounts receivable balance included \$267.8 of contract assets (December 31, 2017 — \$258.9) recognized as revenue under IFRS 15. See note 2(y).

### 6. INVENTORIES:

Inventories are comprised of the following:

December 31 2017 2018 (restated)

Raw materials \$733.2 \$948.8 Work in progress 57.6 101.5 Finished goods 33.2 39.6

\$824.0 \$1,089.9

We record our inventory provisions, net of valuation recoveries, in cost of sales. We record inventory provisions to reflect write-downs in the value of our inventory to net realizable value, and valuation recoveries primarily to reflect realized gains on the disposition of inventory previously written-down to net realizable value. During 2018, we recorded net inventory provisions of \$13.5 (2017 — \$3.3; 2016 — \$12.0). We regularly review our estimates and assumptions used to value our inventory

### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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through analysis of historical performance. The increase in our inventory provisions for 2018 as compared to 2017 was a result of increases in our overall aged inventory levels, more than half of which related to customers in our ATS segment. Our inventory provisions for 2017 included provisions of \$0.9 that we recorded in the second quarter of 2017 to further write down the carrying amount of our remaining solar panel inventory (in our ATS segment) to recoverable amounts. Our inventory provisions for 2016 consisted primarily of the write down of our solar panel inventory to then-lower net realizable values. See note 4.

# 7. ASSETS CLASSIFIED AS HELD FOR SALE:

As a result of previously announced restructuring actions, we have reclassified certain assets as held for sale. These assets were reclassified at the lower of their carrying value and estimated fair value less costs of disposal at the time of such reclassification. At December 31, 2018, we had \$27.4 (December 31, 2017 — \$30.1) of assets classified as held for sale, which consisted primarily of land and buildings in Europe and North America.

See note 8 for a discussion of the sale of our Toronto real property.

# 8. PROPERTY, PLANT AND EQUIPMENT:

Property, plant and equipment are comprised of the following:

	2017		
	Cost	Accumulated Depreciation and Impairment	Net Book Value
Land	\$23.1	\$ 12.0	\$11.1
Buildings including improvements	344.0	202.4	141.6
Machinery and equipment	745.5	574.3	171.2
	\$1,112.6	\$ 788.7	\$323.9
	2018		
	Cost	Accumulated Depreciation and Impairment	Net Book Value
Land	\$26.8	\$ 12.0	\$14.8
Buildings including improvements	375.5	218.0	157.5
Machinery and equipment	781.2	588.2	193.0
wateriniery and equipment	/01.2	366.2	175.0

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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The following table details the changes to the net book value of property, plant and equipment for the years indicated:

	Buildings	Machinery	
Land	including	and	Total
	Improvements	Equipment	
\$10.9	\$ 140.1	\$ 151.7	\$302.7
	22.8	72.1	94.9
	(21.3)	(46.3)	(67.6)
	(0.2)	(5.3)	(5.5)
0.2	0.2	(1.0)	(0.6)
11.1	141.6	171.2	323.9
	25.4	62.3	87.7
3.6	10.8	13.9	28.3
	(20.4)	(53.3)	(73.7)
	_	(0.9)	(0.9)
0.1	0.1	(0.2)	_
\$14.8	\$ 157.5	\$ 193.0	\$365.3
	\$10.9 	Land including Improvements \$10.9 \$ 140.1	Land including Improvements       and Equipment         \$10.9       \$140.1       \$151.7         —       22.8       72.1         —       (21.3       ) (46.3       )         —       (0.2       ) (5.3       )         0.2       0.2       (1.0       )         11.1       141.6       171.2          —       25.4       62.3         3.6       10.8       13.9         —       (20.4       ) (53.3       )         —       —       (0.9       )         0.1       0.1       (0.2       )

Includes \$4.8 of solar panel manufacturing equipment that we reclassified as assets held for sale during 2017. In (i) 2017, we recorded net impairment losses of \$3.8 primarily to write-down solar panel manufacturing equipment. See note 16(a).

(ii) \$7.3) of assets under finance leases. See note 24 for the future minimum lease payments under these finance leases. We review the carrying amount of property, plant and equipment for impairment whenever events or changes in circumstances (triggering events) indicate that the carrying amount of such assets (or the related CGU or CGUs) may not be recoverable. If any such indication exists, we test the carrying amount of such assets or CGUs for impairment. We did not identify any triggering event during the course of 2018 indicating that the carrying amount of such assets or GCUs may not be recoverable. With respect to 2016 and 2017, we determined that, other than the write-down of our solar panel manufacturing equipment (in our ATS segment) in each year, discussed in notes 4 and 16(a) (recorded through restructuring charges), there was no impairment of our property, plant and equipment, as the recoverable amount of such assets and CGUs exceeded their respective carrying values. See footnote (i) to the table above and notes 9 and 16(a).

Toronto Real Property and Related Transactions:

On July 23, 2015, we entered into an agreement of purchase and sale (Property Sale Agreement) to sell our real property located in Toronto, Ontario, which includes the site of our corporate headquarters and our Toronto manufacturing operations, to a special purpose entity (the Property Purchaser) formed by a consortium of four real estate partnerships (see below). If the transaction is completed, the purchase price for the property will be approximately \$137 million Canadian dollars (approximately \$100 at year-end exchange rates), exclusive of applicable taxes and subject to specified adjustments, including for certain density bonuses and other items in accordance with usual commercial practice.

Upon execution of the Property Sale Agreement, we were paid a cash deposit of \$15 million Canadian dollars (\$11.2 at the then-prevailing exchange rate). Prior to the assignment of the Property Sale Agreement described below, the Property Purchaser was to pay us an additional \$53.5 million Canadian dollars in cash (approximately \$39 at year-end exchange rates) at closing, with the balance to be satisfied at closing by an interest-free, first-ranking mortgage in the amount of \$68.5 million Canadian dollars (approximately \$50 at year-end exchange rates) to be registered on title to the property and having a term of two years from the closing date. As part of the Property Sale Agreement, we agreed,

upon closing, to enter into a long-term lease for our new corporate headquarters on commercially reasonable arm's-length terms.

In September 2018, the Property Sale Agreement was assigned from the Property Purchaser to a new purchaser (Assignee), although the Property Purchaser was not released from its obligations under the Property Sale Agreement. In connection with the assignment, the Property Sale Agreement was amended to provide for the remaining proceeds of \$122 million Canadian dollars (approximately \$89 at year-end exchange rates) to be paid in one lump sum cash payment upon closing

# CELESTICA INC. NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS (in millions of U.S. dollars, except percentages and per share amounts)

of the transaction. Other terms of the agreement remained unchanged. On January 21, 2019, the required municipal zoning approval was obtained. On March 7, 2019, we completed the sale of the real property and received total proceeds of approximately \$110, including a high density bonus and an early vacancy incentive related to the temporary relocation of our corporate headquarters. The gain on sale of this property will be recorded as recoveries through other charges (recoveries) during 2019. No net tax impact is anticipated from this sale as the gain will be offset by the utilization of currently unrecognized tax losses.

Approximately 27% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a privately-held partnership in which Mr. Gerald Schwartz (a controlling shareholder of Celestica) has a material interest, and approximately 25% of the interests in the Property Purchaser were at the time of execution of the Property Sale Agreement, and are, held by a partnership in which Mr. Schwartz has a non-voting interest. At the time of execution of the assignment, the Assignee was unrelated to us and the Property Purchaser. Subsequent to such execution, the Assignee granted the Property Purchaser an option to obtain a 5% non-voting interest in the Assignee.

In connection with the anticipated sale, we entered into a long-term lease in November 2017 (in the Greater Toronto area) for the relocation of our Toronto manufacturing operations, and commenced occupancy in March 2018. We completed this relocation in February 2019. We are also in the process of relocating our corporate headquarters to a temporary location while space in a new office building (to be built by the Assignee on the site of our former location) is under construction. In connection therewith, in September 2018, we entered into a 3-year lease for such temporary offices, and such relocation is currently expected to be completed by the end of the first half of 2019. We have incurred, and will continue to incur, significant costs throughout the transition period (which commenced in the fourth quarter of 2017) to relocate our corporate headquarters and to transfer our Toronto manufacturing operations to its new location. These costs consist of building improvements and equipment in connection with our new manufacturing site (totaling \$17 of which approximately \$15 was incurred during 2018), which we have capitalized, as well as transition-related costs which we record in other charges. We also anticipate capitalizing building improvements (2018 — nil) in connection with our temporary corporate headquarters. Transition costs are comprised of direct relocation costs, duplicate costs (such as rent expense, utility costs, depreciation charges, and personnel costs) incurred during the transition period, as well as cease-use costs incurred in connection with idle or vacated portions of the relevant premises that we would not have incurred but for these relocations. During 2018, we recorded \$13.2 (2017 — \$1.6) of such transition costs, consisting primarily of utility costs related to idle premises, depreciation charges and personnel costs incurred in the operation of duplicate production lines in advance of the transition, duplicate rent expense, and relocation costs. See note 16.

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#### 9. GOODWILL AND INTANGIBLE ASSETS:

Goodwill and intangible assets are comprised of the following:

	2017		
	Cost	Accumulated Amortization and Impairment	Net Book Value
Goodwill	\$78.6	\$ 55.4	\$23.2
Intellectual property Other intangible assets Computer software assets	237.0 285.3	\$ 111.3 226.6 274.1 \$ 612.0	\$— 10.4 11.2 \$21.6
	Cost	Accumulated Amortization and Impairment	Net Book Value
Goodwill	\$253.8	\$ 55.4	\$198.4
Intellectual property Other intangible assets Computer software assets	508.0 290.1	\$ 111.3 238.2 276.3 \$ 625.8	\$— 269.8 13.8 \$283.6

The following table details the changes to the net book value of goodwill and intangible assets for the years indicated:

		Other	Computer	
	Goodwill	Intangible	Software	Total
		Assets	Assets	
Balance — January 1, 2017	\$ 23.2	\$ 15.9	\$ 9.6	\$48.7
Additions		_	4.9	4.9
Amortization		(5.5)	(3.4)	(8.9)
Foreign exchange and other		_	0.1	0.1
Balance — December 31, 2017	23.2	10.4	11.2	44.8
Additions	_	_	3.3	3.3
Acquisitions through business combinations (note 3)	175.2	271.0	3.0	449.2
Amortization	_	(11.6)	(3.8)	(15.4)
Foreign exchange and other	_	_	0.1	0.1
Balance — December 31, 2018	\$ 198.4	\$ 269.8	\$ 13.8	\$482.0

We review the carrying amount of goodwill and intangible assets for impairment whenever events or changes in circumstances (triggering events) indicate that the carrying amount of such assets (or the related CGU or CGUs) may not be recoverable. If any such indication exists, we test the carrying amount of such assets or CGUs for impairment. In addition to an assessment of triggering events during the year, we conduct an annual goodwill impairment assessment (Annual Impairment Assessment) of CGUs with goodwill in the fourth quarter of the year. We recorded no impairment charges against goodwill or intangible assets in 2018, or as a result of our 2018 Annual Impairment

Assessment, as the recoverable amount of such assets and CGUs exceeded their respective carrying values as of December 31, 2018. We also recorded no impairment charges against goodwill or intangible assets in 2017 or 2016. See note 8 for a discussion of write-downs of our solar panel manufacturing equipment (in our ATS segment) in each of 2017 and 2016 (recorded through restructuring charges).

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For our Annual Impairment Assessments, we used cash flow projections based primarily on our plan for the following year and, to a lesser extent, on our three-year strategic plan and other financial projections. Our plans, which are primarily based on financial projections submitted by our subsidiaries along with input from our customer teams, are reviewed by various levels of management as part of our annual planning cycle. The plan for 2019 (used for our 2018 Annual Impairment Assessment) was approved by management and presented to our Board of Directors in December 2018.

The process of determining the recoverable amount of a CGU is subjective and requires management to exercise significant judgment in estimating future growth, profitability, and discount and terminal growth rates, among other factors. The assumptions used in our 2018 Annual Impairment Assessment were determined based on past experiences adjusted for expected changes in future conditions. Where applicable, we also engaged independent brokers to obtain market prices to estimate our real property and other asset values. For our 2018 Annual Impairment Assessment, we used cash flow projections over periods ranging from 4 to 5 years, and applied a perpetuity growth rate of 2% thereafter (consistent with long-term inflation guidance).

Our goodwill balance at December 31, 2018 was \$198.4 (December 31, 2017 — \$23.2; December 31, 2016 — \$23.2). Our capital equipment CGU consists of \$111.2 of goodwill attributable to our acquisition of Impakt in November 2018 and \$19.5 attributable to prior acquisitions. Our A&D CGU consists of goodwill of \$3.7 attributable to our November 2016 Karel acquisition. Our Atrenne CGU consists of goodwill of \$64.0 attributable to our April 2018 Atrenne acquisition. See note 3 for further details.

We used the following assumptions for purposes of our Annual Impairment Assessments of goodwill for the periods shown:

Assumption	Capital equipment CGU	A&D CGU	Atrenne CGU
Annual revenue growth rate <sup>(1)</sup>	2018 — 4% over 5 year period; 2017 — 9% over 6 year period; 2016 — 7% over 7 year period	2018 — modest growth over 5 year period; 2017 — modest growth over 4 year period; 2016 — N/A	2018 — 12% over 4 year period; 2017 and 2016 — N/A
Average annual margins	2018 — above company margins;	2018 — slightly above comparmargins;	2018 — above company
	2017 and 2016 — slightly above	2017 — used company margin	margins;
	company margins	2016 — N/A	2017 and 2016 — N/A
Discount rate (1) Supported by new bu	2018 —13%;	2018 — 11%;	2018 — 13%;
	2017 and 2016 —17%	2017 — 9%; 2016 — N/A	2017 and 2016 — N/A
	usiness awarded in recent years, and t	he expectation of future new bus	siness awards.

In our 2018 Annual Impairment Assessment, we did not identify any key assumptions where a reasonable possible change would result in material impairments to the goodwill of any of the above mentioned CGUs. Future events and market conditions may impact our assumptions as to prices, costs or other factors that may result in changes to our estimates of future cash flows. Failure to realize the assumed revenues at an appropriate profit margin of a CGU could result in impairment losses in such CGU in future periods.

#### 10. OTHER NON-CURRENT ASSETS:

10. OTHER MON-CORRENT ASSETS.				
	Decem	iber 31		
	2017	2018		
Net pension assets (note 19)	\$62.9	\$4.5		
Land rights	10.5	10.1		

Deferred investment costs	3.2	2.9
Deferred financing costs	0.7	2.1
Other	4.0	10.6
	\$81.3	\$30.2

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#### 11. PROVISIONS:

Our provisions include restructuring, warranty, legal and other provisions. We have included a description of our restructuring, warranty and legal provisions in note 2(m). We include details of our restructuring provision in note 16(a). The following chart details the changes in our provisions for the year indicated:

	Restructuring	g Warranty	Legal (i)	Other(ii)	Total
Balance — December 31, 2017	\$ 12.7	\$ 21.4	\$2.5	\$ 6.8	\$43.4
Provisions	35.3	10.8		0.7	46.8
Reversal of prior year provisions(iii)	(0.1)	(6.2)	(0.6)	_	(6.9)
Payments/usage	(37.6)	(7.1)	(0.7)		(45.4)
Accretion, foreign exchange and other	_	(0.2)	(0.1)	_	(0.3)
Balance — December 31, 2018	\$ 10.3	\$ 18.7	\$1.1	\$ 7.5	\$37.6
Current	\$ 10.3	\$ 11.0	\$1.1	\$ 0.8	\$23.2
Non-current <sup>(iv)</sup>		7.7		6.7	14.4
December 31, 2018	\$ 10.3	\$ 18.7	\$1.1	\$ 7.5	\$37.6

- (i) Legal represents our aggregate provisions recorded for various legal actions based on our estimates of the likely outcomes.
- (ii)Other represents our asset retirement obligations relating to sites that we currently lease.
- During 2018, we reversed prior year warranty provisions as a result of expired warranties and changes in estimated costs based on historical experience.
- (iv) Non-current balances are included in provisions and other non-current liabilities on our consolidated balance sheet.

At the end of each reporting period, we evaluate the appropriateness of our provisions, and adjustments may be made to reflect actual experience or changes in our estimates.

#### 12. CREDIT FACILITIES AND LONG-TERM DEBT:

In June 2018, we entered into an \$800.0 credit agreement with Bank of America, N.A., as Administrative Agent, and the other lenders party thereto (New Credit Facility), which provides for a \$350.0 term loan (June Term Loan) that matures in June 2025, and a \$450.0 revolving credit facility (New Revolver) that matures in June 2023. The net proceeds from the June Term Loan were used primarily to repay all amounts outstanding under our previous credit facility (Prior Facility), which was terminated on such repayment. In November 2018, we utilized the accordion feature under our New Credit Facility to add an incremental term loan of \$250.0 (November Term Loan), maturing in June 2025. The June Term Loan and the November Term Loan are collectively referred to as the New Term Loans. The Prior Facility consisted of a \$250.0 term loan (Prior Term Loan) and a \$300.0 revolving credit facility (Prior Revolver), both of which were scheduled to mature in May 2020. The New Credit Facility is described below. The Prior Facility is described in note 12 to our 2017 audited consolidated financial statements.

As of December 31, 2018, an aggregate of \$598.3 was outstanding under the New Term Loans, and other than ordinary course letters of credit (described below), \$159.0 was outstanding under the New Revolver.

During the second quarter of 2018, we borrowed a total of \$163.0 under the Prior Revolver, used primarily to fund the Atrenne acquisition in April 2018 (see note 3). The net proceeds of the June Term Loan were used primarily to repay

the outstanding amounts under the Prior Revolver (\$163.0) and the Prior Term Loan (\$175.0), as well as costs related to the arrangement of the New Credit Facility. During the third quarter of 2018, we borrowed \$55.0 under the New Revolver for working capital purposes. During the fourth quarter of 2018, we borrowed \$339.5 under the New Revolver to fund the Impakt acquisition in November 2018 (see note 3). The net proceeds of the November Term Loan were used to repay \$245.0 of the outstanding amounts under the New Revolver, as well as costs related to the arrangement of the November Term Loan. We made sc

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heduled quarterly principal repayments of \$0.875 during the last two quarters of 2018 under the June Term Loan. We made scheduled quarterly principal repayments of \$6.25 during each quarter of 2017 and during the first two quarters of 2018 under the Prior Term Loan.

The June Term Loan requires quarterly principal repayments of \$0.875, commencing September 30, 2018, and the November Term Loan requires quarterly principal repayments of \$0.625, commencing March 31, 2019, and in each case a lump sum repayment of the remainder outstanding at maturity. Commencing in 2020, we are also required to make an annual prepayment of outstanding obligations under the New Credit Facility (applied first to the New Term Loans, then to the New Revolver, in the manner set forth in the New Credit Facility) ranging from 0% — 50% (based on a defined leverage ratio) of specified excess cash flow (as defined in the New Credit Facility) for the prior fiscal year. Proceeds from the sale of our Toronto real property (note 8) will be taken into account in the determination of excess cash flow. In addition, prepayments of outstanding obligations under the New Credit Facility (applied as described above) may also be required in the amount of specified net cash proceeds received above a specified annual threshold (including proceeds from the disposal of certain assets, but excluding the net proceeds from the sale of our Toronto real estate). Except under specified circumstances, and subject to the payment of breakage costs (if any), we are generally permitted to make voluntary prepayments of outstanding amounts under the New Revolver and the New Term Loans without any other premium or penalty. Repaid amounts on the term loans may not be re-borrowed. The New Credit Facility has an accordion feature that allows us to increase the term loans and/or revolving loan commitments thereunder by approximately \$110, plus an unlimited amount to the extent that a specified leverage ratio on a pro forma basis does not exceed specified limits, in each case on an uncommitted basis and subject to the satisfaction of certain terms and conditions. The New Revolver also includes a \$50.0 sub-limit for swing line loans, providing for short-term borrowings up to a maximum of ten business days, as well as a \$150.0 sub-limit for letters of credit, in each case subject to the overall New Revolver credit limit. The New Revolver permits us and certain designated subsidiaries to borrow funds (subject to specified conditions) for general corporate purposes, including for capital expenditures, certain acquisitions, and working capital needs. Borrowings under the New Revolver bear interest at LIBOR, Canadian Prime or Base Rate (each as defined in the New Credit Facility) plus a specified margin, or in the case of any bankers' acceptance, at the B/A Discount Rate (as defined in the New Credit Facility). The margin for borrowings under the New Revolver ranges from 0.75% to 2.5%, and commitment fees range between 0.35% and 0.50%, in each case depending on the rate we select and our consolidated leverage ratio. As a result of our use of the accordion feature of the New Credit Facility in November 2018, interest on the June Term Loan increased from LIBOR plus 2.0% to LIBOR plus 2.125%. The November Term Loan currently bears interest at LIBOR plus

We are required to comply with certain restrictive covenants under the New Credit Facility, including those relating to the incurrence of certain indebtedness, the existence of certain liens, the sale of certain assets (excluding real property then held for sale), specified investments and payments, sale and leaseback transactions, and certain financial covenants relating to a defined interest coverage ratio and leverage ratio that are tested on a quarterly basis. At December 31, 2018, we were in compliance with all restrictive and financial covenants under the New Credit Facility. The obligations under the New Credit Facility are guaranteed by us and certain specified subsidiaries. Subject to specified exemptions and limitations, all assets of the guarantors are pledged as security for the obligations under the New Credit Facility. The New Credit Facility contains customary events of default. If an event of default occurs and is continuing, the administrative agent may declare all amounts outstanding under the New Credit Facility to be immediately due and payable and may cancel the lenders' commitments to make further advances thereunder. In the event of a payment or other specified defaults, outstanding obligations accrue interest at a specified default rate.

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The following table sets forth our borrowings under our credit facilities, and our finance lease obligations, as of December 31, 2018 and 2017:

	December	r 31December	r 31
	2017	2018	
Borrowings under the Prior Revolver/New Revolver (1)	\$ —	\$ 159.0	
Borrowings under the Prior Term Loan/New Term Loans	187.5	598.3	
Total borrowings under applicable credit facility	187.5	757.3	
Less: unamortized debt issuance costs (2)	(0.8	) (9.8	)
Finance lease obligations (see notes 4 and 24) (3)	17.7	10.4	
	\$ 204.4	\$ 757.9	
Comprised of:			
Current portion of borrowings under applicable credit facility and finance lease obligations (3)	\$ 37.9	\$ 107.7	
Long-term portion of borrowings under applicable credit facility and finance lease obligations	166.5	650.2	
	\$ 204.4	\$ 757.9	

Debt issuance costs were incurred in connection with our Prior Revolver in 2014 (\$1.7) and the New Revolver in 2018 (\$3.1), which we deferred as other assets on our consolidated balance sheets and amortize over the term of

- (1) the relevant revolver. See note 10 for the long-term portion of the deferred financing costs. We accelerated the amortization of \$0.6, representing the remaining portion of the unamortized deferred financing costs related to the Prior Revolver, upon termination of the Prior Facility, and recorded it to other charges in June 2018.

  Debt issuance costs were incurred in connection with our Prior Term Loan in 2015 (\$2.1), the June Term Loan (\$4.9), and the November Term Loan (\$5.4), which we deferred as long-term debt on our consolidated balance
- (2) sheets and amortize over the term of the relevant term loan using the effective interest rate method. We accelerated the amortization of \$0.6, representing the remaining portion of the unamortized deferred financing costs related to the Prior Term Loan, upon termination of the Prior Facility, and recorded it to other charges in June 2018.

At December 31, 2017, \$11.1 of our finance lease obligations related to our solar panel manufacturing equipment (recorded as current liabilities on our consolidated balance sheet as at December 31, 2017). In connection with the anticipated disposition of such equipment, we terminated and settled these lease obligations in full in January 2018 for \$11.3 (including \$0.2 of fees and accrued interest). See note 4.

The New Term Loans require aggregate quarterly principal repayments of \$1.5, and a lump sum repayment of the remainder outstanding at maturity. At December 31, 2018, the aggregate remaining mandatory principal repayments of the New Term Loans were as follows:

Years ending December 31	Amount
2019	\$6.0
2020	6.0
2021	6.0
2022	6.0
2023	6.0
2024	6.0
2025 (to maturity in June 2025)	562.3

We entered into 5-year interest rate swap agreements with a syndicate of third-party banks in August and December 2018 to partially hedge against our exposures to the interest rate variability on our New Term Loans. The derivative instruments swap the variable rate of interest for a fixed rate of interest on \$175.0 of the amounts outstanding under each of our June Term Loan and our November Term Loan, for an aggregate hedged amount of \$350.0. See note 21.

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Commitment fees paid under our relevant credit facilities in 2018 were \$1.3 (2017 — \$1.3; 2016 — \$1.4). At December 31, 2018, we had \$21.3 outstanding in letters of credit under the New Revolver (December 31, 2017 — \$23.2 outstanding in letters of credit under the Prior Revolver). We also arrange letters of credit and surety bonds outside of our revolving facility. At December 31, 2018, we had \$14.4 (December 31, 2017 — \$13.6) of such letters of credit and surety bonds outstanding.

At December 31, 2018, we also had a total of \$132.8 (December 31, 2017 — \$73.5) in uncommitted bank overdraft facilities available for intraday and overnight operating requirements under our applicable credit facility. There were no amounts outstanding under these overdraft facilities at December 31, 2018 or December 31, 2017. The amounts we borrow and repay under our facilities can vary significantly from month-to-month depending upon our working capital and other cash requirements.

#### 13. CAPITAL STOCK:

We are authorized to issue an unlimited number of subordinate voting shares, which entitle the holder to one vote per share, and an unlimited number of multiple voting shares, which entitle the holder to 25 votes per share. The subordinate voting shares and multiple voting shares vote together as a single class on all matters submitted to a vote of shareholders, including the election of directors, except as otherwise required by law. The holders of the subordinate voting shares and multiple voting shares are entitled to share ratably, as a single class, in any dividends declared subject to any preferential rights of any outstanding preferred shares in respect of the payment of dividends. Each multiple voting share is convertible at any time at the option of the holder thereof and automatically, under certain circumstances, into one subordinate voting share. We are also authorized to issue an unlimited number of preferred shares, issuable in series. No preferred shares have been issued to date.

(a) Capital transactions:

	Subordinate	Multiple
Number of shares (in millions)	Voting	Voting
	Shares	Shares
Issued and outstanding at December 31, 2015	124.5	18.9
Issued from treasury(i)	0.6	_
Cancelled under NCIB(ii)	(3.2)	_
Issued and outstanding at December 31, 2016	121.9	18.9
Issued from treasury(i)	2.8	_
Cancelled under NCIB(ii)	(1.9)	_
Other <sup>(iii)</sup>	0.35	(0.35)
Issued and outstanding at December 31, 2017	123.2	18.6
Issued from treasury(i)	1.3	_
Cancelled under NCIB(ii)	(6.8)	
Issued and outstanding at December 31, 2018	117.7	18.6

During 2018, we issued 0.1 million (2017 — 1.7 million; 2016 — 0.6 million) subordinate voting shares from treasury upon the exercise of stock options for aggregate cash proceeds of \$0.4 (2017 — \$13.6; 2016 — \$4.1). We also issued (i) 1.2 million (2017 — 1.1 million; 2016 — nil) subordinate voting shares from treasury with ascribed values of \$14.3 (2017 — \$9.8; 2016 — nil) upon the vesting of certain RSUs and PSUs. We also settled RSUs and PSUs with subordinate voting shares purchased in the open market. Settlement of these awards is described below.

- (ii) NCIB stands for normal course issuer bid.
- During 2017, Onex Corporation converted 346,175 of our multiple voting shares into subordinate voting shares. Onex Corporation did not convert any multiple voting shares in 2016 or 2018.

We have repurchased subordinate voting shares in the open market and otherwise for cancellation in recent years pursuant to normal course issuer bids (NCIBs) and substantial issuer bids (SIBs), which allow us to repurchase a limited number of subordinate voting shares during a specified period. The maximum number of subordinate voting shares we are permitted to

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repurchase for cancellation under each NCIB is reduced by the number of subordinate voting shares purchased in the open market during the term of such NCIB to satisfy obligations under our stock-based compensation plans. We enter into program share repurchases (PSRs) from time to time as part of the NCIB process (if permitted by the TSX), pursuant to which we make a prepayment to a broker in consideration for the right to receive a variable number of subordinate voting shares upon such PSR's completion. Under such PSRs, the price and number of subordinate voting shares to be repurchased by us is generally determined based on a discount to the volume weighted-average market price of such shares during the term of the PSR, subject to certain terms and conditions. The subordinate voting shares repurchased under any PSR are cancelled upon such PSR's completion.

In December 2018, the TSX accepted our notice to launch a new NCIB (2018 NCIB), which allows us to repurchase, at our discretion, until the earlier of December 17, 2019 or the completion of the purchases thereunder, up to approximately 9.5 million subordinate voting shares in the open market, or as otherwise permitted. We did not repurchase or cancel any subordinate voting shares under the 2018 NCIB in 2018.

In November 2017, we launched an NCIB (2017 NCIB) which was completed in November 2018. The 2017 NCIB allowed us to repurchase, at our discretion, up to approximately 10.5 million subordinate voting shares in the open market, or as otherwise permitted. During the term of the 2017 NCIB, we paid an aggregate of \$19.9 (including transaction fees) in 2017 to repurchase and cancel 1.9 million subordinate voting shares at a weighted average price of \$10.58 per share, and \$75.5 to cancel 6.8 million subordinate voting shares during 2018 at a weighted average price of \$11.10 per share. In addition, prior to its expiry, we repurchased an aggregate of 1.1 million subordinate voting shares under the 2017 NCIB (including 0.3 million subordinate voting shares in 2017) to satisfy delivery obligations under our stock-based compensation plans (see below).

In February 2016, we launched an NCIB (2016 NCIB) which was completed in February 2017. The 2016 NCIB allowed us to repurchase, at our discretion, up to approximately 10.5 million subordinate voting shares in the open market, or as otherwise permitted. During 2016, we paid \$34.3 (including transaction fees) to repurchase and cancel 3.2 million subordinate voting shares under the 2016 NCIB at a weighted average price of \$10.69 per share, including 2.8 million subordinate voting shares repurchased under a \$30.0 PSR we funded in March 2016 (and completed in May 2016) at a weighted average price of \$10.69 per share. We did not repurchase any subordinate voting shares under the 2016 NCIB for cancellation during 2017. However, prior to its expiry, we repurchased an aggregate of 1.6 million subordinate voting shares under the 2016 NCIB (2016 — 1.6 million; 2017 — nil), to satisfy delivery obligations under our stock-based compensation plans (see below).

(b) Employee stock-based compensation:

Long-Term Incentive Plan (LTIP):

Under the LTIP, we may grant stock options, stock appreciation rights, RSUs and PSUs to eligible employees, consultants and directors. We may, at the time of grant, authorize the grantees to settle these awards either in cash or in subordinate voting shares. Absent such permitted election, grants under the LTIP will be settled in subordinate voting shares, which we may purchase in the open market, or issue from treasury (up to a maximum aggregate of 29.0 million subordinate voting shares). As of December 31, 2018, 11.1 million subordinate voting shares remain reserved for issuance from treasury, covering potential issuances of subordinate voting shares for outstanding awards and for potential future grants of stock-based compensation under the LTIP.

Celestica Share Unit Plan (CSUP):

Under the CSUP, we may grant RSUs and PSUs to eligible employees. We have the option to settle RSUs and PSUs issued thereunder in subordinate voting shares purchased in the open market, or in cash.

For disclosure regarding DSUs issued to eligible directors under our Directors' Share Compensation Plan (DSC Plan), see paragraph (c) below.

During 2018, we recorded aggregate employee stock-based compensation expense (excluding DSU expense) through cost of sales and SG&A, of \$33.4 (2017 — \$30.1; 2016 — \$33.0). Employee stock-based compensation expense varies from period-to-period. The portion of such expense that relates to a non-market performance condition varies depending on the level of achievement of pre-determined financial targets.

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#### (i) Stock options:

We are permitted to grant stock options under our LTIP, although no stock options have been granted in 2016, 2017 or 2018. When granted, stock options are granted at prices equal to the closing market price on the day prior to the grant date and are exercisable during a period not to exceed 10 years from the grant date.

Stock option transactions were as follows for the years indicated:

		Weighted
	Number of	Average
	Options	Exercise
		Price
	(in millions)	
Outstanding at January 1, 2016	2.9	\$ 8.03
Exercised	(0.6)	\$ 6.46
Forfeited/Expired	(0.2)	\$ 9.99
Outstanding at December 31, 2016	2.1	\$ 8.46
Exercised	(1.7)	\$ 7.87
Outstanding at December 31, 2017	0.4	\$ 12.14
Exercised	(0.1)	\$ 6.20
Outstanding at December 31, 2018	0.3	\$ 11.93

Outstanding stock options were exercised throughout the year. The weighted average closing market price of a subordinate voting share was \$10.92 during 2018 (2017 — \$12.41; 2016 — \$10.66).

The following stock options were outstanding as at December 31, 2018:

Range of Exercise Prices	Outstanding Options	Weighted Average Exercise Price	Weighted Average Remaining Life of Outstanding Options	Exercisable Options	Weighted Average Exercise Price
	(in millions)	)	(years)	(in millions)	
\$6.06 - \$12.85	0.3	\$11.93	6.2	0.3	\$11.68

We amortize the estimated grant date fair value of stock options to expense over the vesting period (generally four years). The grant date fair value of outstanding stock options was determined using the Black-Scholes option pricing model and the following assumptions in the year of the grant: risk-free interest rate (based on U.S. government bond yields), expected volatility of the market price of our shares (based on historical volatility of our share price), and the expected option life (in years) (based on historical option holder behavior).

# (ii) RSUs and PSUs:

We grant RSUs and PSUs to our employees pursuant to our LTIP and CSUP. Each vested unit generally entitles the holder to receive one subordinate voting share. Under the CSUP, we have the option to satisfy the delivery of shares upon vesting of the awards by purchasing subordinate voting shares in the open market or by settling such awards in cash. Under the LTIP, we may (at the time of grant) authorize the grantees to settle awards in either cash or subordinate voting shares (absent such permitted election, grants will be settled in subordinate voting shares, which we may purchase in the open market or issue from treasury, subject to certain limits). We have generally settled these awards with subordinate voting shares purchased in the open market by a broker, or by issuing subordinate voting shares from treasury. We amortize the grant date fair value of RSUs and PSUs to expense over the vesting period.

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The following table outlines the RSU transactions during the years indicated, under each of the LTIP and CSUP.

Number of awards (in millions)	LTIP	CSUP	Total
Outstanding at January 1, 2016	—	3.5	3.5
Granted	0.8	1.5	2.3
Settled	_	(1.9)	(1.9)
Forfeited/Expired	_	(0.1)	(0.1)
Outstanding at December 31, 2016	0.8	3.0	3.8
Granted	1.4	0.5	1.9
Settled	(0.3)	(2.0)	(2.3)
Forfeited/Expired	(0.2)		(0.2)
Outstanding at December 31, 2017	1.7	1.5	3.2
Granted	_	2.6	2.6
Settled	(0.9)	(0.9)	(1.8)
Forfeited/Expired	(0.1)	(0.1)	(0.2)
Outstanding at December 31, 2018	0.7	3.1	3.8

The grant date fair value of RSUs is based on the market value of our subordinate voting shares at the time of grant. With respect to PSUs, employees are granted a target number of PSUs. The number of PSUs that will actually vest will vary from 0 to 200% of the target amount granted based on the level of achievement of the relevant performance conditions. During 2018, we granted 1.6 million (2017 — 0.9 million; 2016 — 1.25 million) PSUs (representing in each case 100% of target), primarily granted in the first quarter of each such year. The PSUs granted in 2018 vest based on the level of achievement of a pre-determined non-market performance measurement in the final year of the three-year performance period, subject to modification by a separate pre-determined non-market financial target and our relative TSR performance over the 3-year vesting period. See note 2(n) for a description of TSR. We estimated the grant date fair value of the TSR modifier using a Monte Carlo simulation model and a premium of 106%. The grant date fair value of the non TSR-based performance measurement and modifier was based on the market value of our subordinate voting shares at the time of grant and may be adjusted in subsequent years to reflect a change in the estimated level of achievement related to the applicable performance condition. 60% of the PSUs granted in 2017 and 2016 vest based on the achievement of a market performance condition tied to TSR, and the balance vest based on a pre-determined non-market performance measurement in the final year of the three-year performance period. We estimated the grant date fair value of the TSR-based PSUs using a Monte Carlo simulation model (2017 grants — premium of 143%; 2016 grants — premium of 109%). The grant date fair value of the non TSR-based PSUs was based on the market value of our subordinate voting shares at the time of grant and may be adjusted in subsequent years to reflect a change in the estimated level of achievement related to the applicable performance condition. We expect to settle these awards with subordinate voting shares purchased in the open market by a broker or issued from treasury. During 2018, we settled 0.4 million (2017 — 0.8 million; 2016 — 1.1 million) PSUs with subordinate voting shares. At December 31, 2018, 3.2 million (December 31, 2017 — 2.5 million; December 31, 2016 — 3.0 million) PSUs were outstanding (representing 100%) of the target amounts granted). Of the total number of outstanding PSUs at December 31, 2018, 0.7 million PSUs were granted pursuant to the LTIP, and 2.5 million PSUs were granted pursuant to the CSUP.

The weighted average grant date fair value of RSUs awarded in 2018 was \$10.48 per unit (2017 — \$13.05; 2016 — \$9.29). The weighted average grant date fair value of PSUs awarded in 2018 was \$11.11 per unit (2017 — \$17.18; 2016 — \$9.61). As of December 31, 2018, none of the outstanding RSUs or PSUs had vested.

From time-to-time, we pay cash for the purchase by a broker of subordinate voting shares in the open market to satisfy the delivery of subordinate voting shares upon vesting of awards under our stock-based compensation plans. For accounting purposes, we classify these shares as treasury stock until they are delivered pursuant to the plans. During

2018, we purchased 2.1 million subordinate voting shares (2017 — 1.4 million; 2016 — 1.6 million) in the open market through a broker for \$22.4 (2017 — \$16.7; 2016 — \$18.2) (including transaction fees) to satisfy delivery requirements under our stock-based compensation plans.

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At December 31, 2018, the broker held 1.9 million (December 31, 2017 — 0.8 million; December 31, 2016 — 1.4 million) subordinate voting shares with a value of \$20.2 (December 31, 2017 — \$8.7; December 31, 2016 — \$15.3). As management currently intends to settle all outstanding share unit awards with subordinate voting shares purchased in the open market by a broker or subordinate voting shares issued from treasury, we have accounted for these share unit awards as equity-settled awards.

#### (c) Deferred share units:

We grant DSUs to certain members of our Board of Directors under our DSC Plan. The DSUs may be settled in cash or with subordinate voting shares issued from treasury or purchased in the open market (at the Company's option). See note 2(n) for details. During 2017, two of our directors resigned from the Board and in connection therewith, we settled their outstanding DSUs in 2017 in accordance with the provisions of the DSC Plan. Specifically, we paid \$1.7 in cash to Joseph M. Natale to settle his outstanding DSUs, and we settled the outstanding DSUs of Thomas S. Gross with 14,098 subordinate voting shares that we purchased in the open market. As Celestica is permitted to, and currently intends to, settle all other DSUs with shares purchased in the open market, we have accounted for these awards as equity-settled awards. In 2018, we recorded DSU expense of \$2.0 (2017 — \$2.2; 2016 — \$2.1) through SG&A. At December 31, 2018, 1.6 million (December 31, 2017 — 1.5 million; December 31, 2016 — 1.3 million) DSUs were outstanding.

## 14. ACCUMULATED OTHER COMPREHENSIVE LOSS, NET OF TAX:

	Year ended
	December 31
	2016 2017 2018
Opening balance of foreign currency translation account	\$(15.2) \$(15.2) \$(14.5)
Foreign currency translation adjustments	<b>—</b> 0.7 0.1
Closing balance	(15.2 ) (14.5 ) (14.4 )
Opening balance of unrealized net gain (loss) on currency forward cash flow hedges	\$(17.6) \$(9.5 ) \$7.8
Net gain (loss) on currency forward cash flow hedges <sup>(i)</sup>	(2.2 ) 27.9 (14.7 )
Reclassification of net loss (gain) on currency forward cash flow hedges to operations <sup>(ii)</sup>	10.3 (10.6 ) (0.8 )
Closing balance(iii)	(9.5 ) 7.8 (7.7 )
Opening balance of unrealized net gain (loss) on interest rate swap cash flow hedges	\$—
Net loss on interest rate swap cash flow hedges	<b>—</b> — (4.8 )
Reclassification of net loss on interest rate swap cash flow hedges to operations	<b>—</b> — 0.4
Closing balance <sup>(iv)</sup>	—       (4.4   )
Actuarial gains (losses) on pension and non-pension post-employment benefit plans (note	Φ17.1 Φ(1.2 \ Φ0.4
19)	\$17.1 \$(1.2) \$8.4
Reclassification of actuarial losses (gains) to deficit	(17.1 ) 1.2 (8.4 )
Loss on purchase of pension annuities (note 19)	<b>—</b> (17.0 ) (63.3 )
Reclassification of loss on purchase of pension annuities to deficit (note 19)	<b>—</b> 17.0 63.3
Closing balance	
Accumulated other comprehensive loss	\$(24.7) \$(6.7) \$(26.5)

(i) Net of income tax benefit of \$1.0 for 2018 (2017 — net of \$2.8 income tax expense; 2016 — net of \$1.2 income tax benefit).

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Net of release of income tax expense of \$0.7 associated with the reclassification of net hedge (gain) loss to (ii) operations for 2018 (2017 — net of release of \$0.3 income tax expense; 2016 — net of release of \$1.1 income tax benefit).

- Net of income tax benefit of \$0.5 as of December 31, 2018 (December 31, 2017 net of \$1.2 income tax expense; December 31, 2016 net of \$1.3 income tax benefit).
- (iv) No income tax impact as of December 31, 2018.

We expect that the majority of net gains or losses on foreign exchange cash flow hedges reported in the 2018 accumulated other comprehensive loss balance will be reclassified to operations during 2019, primarily in cost of sales, as the underlying expenses that are being hedged are primarily included in cost of sales. The gains or losses on interest rate swap cash flow hedges will be released from OCI to finance costs in each of the respective interest payment periods during the 5-year term of the swap agreements, which mature in 2023 if the cancellable options remain unexercised.

#### 15. EXPENSES BY NATURE:

We have presented our consolidated statement of operations by function. Included in our cost of sales and SG&A for 2018 were employee-related costs of \$804.7 (2017 — \$726.4; 2016 — \$711.3), including employee stock-based compensation expense of \$33.4 (2017 — \$30.1; 2016 — \$33.0), freight and transportation costs of \$97.0 (2017 — \$79.3; 2016 — \$80.9), depreciation expense of \$73.7 (2017 — \$67.6; 2016 — \$66.2) and rental expense of \$35.4 (2017 — \$28.5; 2016 — \$27.1).

#### 16. OTHER CHARGES:

	Year ended		
	Decem	ber 31	
	2016	2017	2018
Restructuring charges (a)	\$31.9	\$28.9	\$35.4
Loss on pension annuity purchase (note 19)	_	1.9	
Toronto transition costs (note 8)		1.6	13.2
Accelerated amortization of unamortized deferred financing costs (b)			1.2
Other (c)	(6.4)	4.6	11.2
	\$25.5	\$37.0	\$61.0

## (a) Restructuring:

Our restructuring charges were comprised of the following:

Year ended
December 31
2016 2017 2018
Cash charges \$10.7 \$25.1 \$35.2
Non-cash charges 21.2 3.8 0.2
\$31.9 \$28.9 \$35.4

We perform ongoing evaluations of our business, operational efficiency and cost structure, and implement restructuring actions as we deem necessary. In connection therewith, we are currently implementing restructuring actions under a cost efficiency initiative (CEI), including actions identified as part of our previously-disclosed CCS segment portfolio review and actions in response to the demand environment in our capital equipment business. This initiative includes reductions to our workforce, as well as potential consolidation of certain sites to better align capacity and infrastructure with current and anticipated customer demand, related transfers of customer programs and production, re-alignment of business processes, management reorganizations, and other associated activities.

We recorded restructuring charges of \$35.4 in 2018, all in connection with our CEI, consisting of cash charges of \$35.2, primarily for consultant costs, and employee and lease termination costs, and non-cash charges of \$0.2, representing losses on

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the sale of surplus equipment. Our restructuring provision at December 31, 2018 was \$10.3 (December 31, 2017 — \$12.7), which we recorded in current portion of provisions on our consolidated balance sheet.

We recorded restructuring charges of \$28.9 in 2017. Our restructuring charges for 2017 consisted of cash charges of \$25.1, comprised of employee termination costs related to our Organizational Design (OD) and Global Business Services (GBS) initiatives (each of which were completed in 2017), costs in connection with the rationalization of certain operations in the third quarter of 2017, and \$8.0 of charges in connection with our CEI in the fourth quarter of 2017, and net non-cash charges of \$3.8, to write down the carrying value of our solar panel manufacturing equipment based on executed sale agreements. See note 4.

We recorded restructuring charges of \$31.9 in 2016, consisting of cash charges of \$10.7, primarily for employee termination costs relating to our GBS and OD initiatives, our solar panel manufacturing operations and other exited operations, and non-cash charges of \$21.2 to write down certain plant assets and equipment to recoverable amounts, including \$19.0 related to our solar panel manufacturing equipment at our two locations. See note 4 for a description of our decision in the fourth quarter of 2016 to exit the solar panel manufacturing business.

See notes 2(m) and 11 for further details regarding our restructuring provisions.

(b) Accelerated amortization of unamortized deferred financing costs:

During the second quarter of 2018, we recorded a \$1.2 charge to accelerate the amortization of unamortized deferred financing costs related to the extinguishment of the Prior Facility in June 2018. See note 12. (c) Other:

During 2018, we recorded \$11.0 (2017 — \$4.5; 2016 — \$1.4) in Acquisition Costs. See note 3. Additionally, during 2017 and 2016, we received recoveries of damages of \$1.1 and \$12.0, respectively, in connection with the settlement of class action lawsuits in which we were a plaintiff, related to certain purchases we made in prior periods. These recoveries were offset in part by costs we recorded in each year for unrelated legal matters.

### 17. FINANCE COSTS AND REFUND INTEREST INCOME:

Our finance costs are comprised primarily of interest expenses and fees related to our applicable credit facility, interest rate swap agreements, accounts receivable sales program and the SFP. See notes 5 and 12.

Refund interest income represents the refund of interest on cash previously held on account with tax authorities in connection with the resolution of certain previously-disputed tax matters in 2016. See note 20.

#### 18. RELATED PARTY TRANSACTIONS:

Onex Corporation (Onex) beneficially owns or controls, directly or indirectly, all of our outstanding multiple voting shares. Accordingly, Onex has the ability to exercise significant influence over our business and affairs and generally has the power to determine all matters submitted to a vote of our shareholders where the subordinate voting shares and multiple voting shares vote together as a single class. Mr. Gerald Schwartz, the Chairman of the Board, President and Chief Executive Officer of Onex, indirectly owns shares representing the majority of the voting rights of Onex. In January 2009, we entered into a Services Agreement with Onex for the services of Mr. Schwartz (amended in 2017 to replace references to Mr. Schwartz with references to Mr. Tawfiq Popatia) as a director of Celestica, pursuant to which Onex receives compensation for such services. This agreement automatically renews for successive one-year terms unless either party provides a notice of intent not to renew. Under such agreement, as amended, the annual fee payable to Onex is \$0.235 payable in DSUs in equal quarterly installments, in arrears. The Services Agreement terminates automatically and the rights of Onex to receive compensation (other than accrued and unpaid compensation) will terminate (a) 30 days after the first day on which Onex ceases to hold at least one multiple voting share of Celestica or any successor company or (b) the date Mr. Popatia ceases to be a director of Celestica for any reason.

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See note 8 for details with respect to Mr. Schwartz's interest in the Property Purchaser, and the Property Purchaser's option to obtain a 5% non-voting interest in the Assignee.

Compensation of key management personnel:

Our key management team consists of directors and senior executive officers. The aggregate compensation expenses we recognized under IFRS for our directors and key management team were as follows:

 $\begin{tabular}{lll} Year ended \\ December 31 \\ 2016 & 2017 & 2018 \\ Short-term employee benefits and costs & $6.2$ & $7.5$ & $6.2$ \\ Post-employment and other long-term benefits & 0.4 & 0.6 & 0.3 \\ Stock-based compensation (including DSUs to eligible directors) & 12.3 & 12.4 & 14.8 \\ $18.9$ & $20.5$ & $21.3 \\ \end{tabular}$ 

## 19. PENSION AND NON-PENSION POST-EMPLOYMENT BENEFIT PLANS:

#### (a) Plan summaries:

We provide pension and non-pension post-employment benefit plans for our employees. Such plans include defined benefit pension plans for our employees in the United Kingdom (U.K.) that generally provide participants with stated benefits on retirement based on their pensionable service, either in annuities and/or lump sum payments. The U.K defined benefit pension plans are comprised of a Main pension plan and a Supplementary pension plan, both of which are closed to new members. The U.K. Main pension plan is our largest defined benefit pension plan. The Supplementary pension plan does not have any active members. Approximately 1% of the U.K. Main pension plan members remain active employees of the Company. Defined contribution pension plans are offered to certain employees, mainly in Canada and the U.S. We provide non-pension post-employment benefits (under other benefit plans) to retired and terminated employees in Canada, the U.S., Mexico and Thailand. These benefits may include one-time retirement and specified termination benefits, medical, surgical, hospitalization coverage, supplemental health, dental and/or group life insurance.

In March 2017, the Trustees of our U.K. Main pension plan entered into an agreement with a third party insurance company to purchase an annuity for participants in such plan who have retired. The cost of the annuity was £123.7 million (approximately \$154.3 at the exchange rate at the time of recording) and was funded with existing plan assets. The annuity is held as an asset of the Main pension plan. Although we retain ultimate responsibility for the payment of benefits to plan participants, the annuity substantially hedges the financial risk component of the associated pension obligations for such retired participants. The purchase of the annuity resulted in a non-cash loss of \$17.0 which we recorded in OCI and simultaneously re-classified to deficit during the first quarter of 2017. We also reduced the value of our pension assets by \$17.0 during the first quarter of 2017, which was recorded in other non-current assets on our consolidated balance sheet. The cost of this annuity is subject to a true-up adjustment in the near term, and we may be required to pay additional premium amounts to the insurance company after completion of data verification of all retired participants.

In April 2017, the Trustees of our U.K. Supplementary pension plan entered into an agreement with a third party insurance company to purchase an annuity for all participants of this plan, all of whom are retired. The cost of the annuity was £9.1 million (approximately \$11.7 at the exchange rate at the time of recording) and was funded with existing plan assets. The annuity is held as an asset of such plan. We currently anticipate transferring the pension annuity to individual plan members and winding up the Supplementary pension plan in the first half of 2019. Although we retain ultimate responsibility for the payment of benefits to plan participants until such wind-up is complete, the annuity substantially hedges the financial risk component of the associated pension obligations for such

retired participants. The purchase of the annuity resulted in a non-cash loss of \$1.9 which we recorded during the second quarter of 2017 in other charges (see note 16) in our consolidated statement of operations, with a corresponding reduction in the value of our pension assets which is recorded in other non-current assets on our consolidated balance sheet. As we anticipate winding up this plan, the non-cash loss was recorded through our consolidated statement of operations.

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In June 2018, the Trustees of the U.K. Main pension plan entered into an agreement with a third party insurance company to purchase an annuity for participants in such plan who have not yet retired. The cost of the annuity was £156.1 million (approximately \$209.2 at the exchange rate at the time of recording) and was funded with existing plan assets. The purchase of the annuity resulted in a non-cash loss of \$63.3 for the second quarter of 2018 which we recorded in OCI and simultaneously re-classified to deficit, and the recognition of an additional pension obligation on our consolidated balance sheet after we fully reduced the pension asset to zero. The cost of this annuity is subject to a true-up adjustment within 12 months of the purchase of the annuity, and we may be required to pay additional premium amounts to the insurance company after completion of data verification for such non-retired participants. The overall governance of our pension plans is conducted by our Global Compensation Committee which, through annual reviews, approves material plan changes, reviews funding levels, investment performance, compliance matters and plan assumptions, and ensures that the plans are administered in accordance with local statutory requirements. We have established a Pension Committee to govern our Canadian pension plans. The U.K. pension plans are governed by a Board of Trustees, composed of employee and company representation. Both the Canadian Pension Committee and the U.K. Board of Trustees review funding levels, investment performance and compliance matters for their respective plans. Our pension funding policy is to contribute amounts sufficient, at minimum, to meet local statutory funding requirements. For our defined benefit pension plans (primarily U.K.), local regulatory bodies either define the minimum funding requirement or approve the funding plans submitted by us. We may make additional discretionary contributions taking into account actuarial assessments and other factors. The contributions that we make to support ongoing plan obligations are recorded in the respective asset or liability accounts on our consolidated balance sheet. Our U.K. plans require an actuarial valuation to be completed every three years. The actuarial valuation was completed using a measurement date of April 2016; the next valuation will have a measurement date of April 2019. We currently fund our non-pension post-employment benefit plans as we incur benefit payment obligations thereunder. Excluding our mandatory plans, the most recent actuarial valuations for our largest non-pension post-employment benefit plans were completed using measurement dates of May 2016 (Canada) and December 2018 (U.S.). The next actuarial valuations for these plans will have measurement dates of May 2019 and December 2019, respectively. We accrue the expected costs of providing non-pension post-employment benefits during the periods in which the employees render service.

We used a measurement date of December 31, 2018 for the accounting valuation for pension and non-pension post-employment benefits.

Our pension plans are exposed to market risks such as changes in interest rates, inflation, and fluctuations in investment values, as well as financial risks including counterparty risks of financial institutions from which annuities have been purchased for specified plans. See note 21(c). Our plans are also exposed to non-financial risks, including the membership's mortality and demographic changes, as well as regulatory changes.

We manage the funding level risk of defined benefit pension plans through our asset allocation strategy for each plan. In the U.K., we follow an active de-risking strategy and allocate a higher level of the plan assets to debt instruments if the funding level of the plan improves. Certain of the obligations under our U.K. defined benefit pension plans have been hedged with the purchase of annuities with insurance companies. See above.

Pension fund assets are invested primarily in fixed income and equity securities. Asset allocation between fixed income and equity securities is adjusted based on the expected life of the plan and the expected retirement dates of the plan participants. Our pension funds do not invest directly in our shares, but may invest indirectly as a result of the inclusion of our shares in certain investment funds. All of our plan assets are measured at their fair value using inputs described in the fair value hierarchy in note 21. At December 31, 2018, \$26.5 (December 31, 2017 — \$247.0) of our plan assets were measured using level 1 inputs of the fair value hierarchy and \$266.5 (December 31, 2017 — \$148.5) of our plan assets (comprised of insurance annuities) were measured using level 3 inputs of the fair value hierarchy. At

December 31, 2018, none (December 31, 2017 — none) of our plan assets were measured using level 2 inputs of the fair value hierarchy. Approximately 97% of our plan assets consist of annuities purchased with insurance companies and assets held with financial institutions with a Standard and Poor's long-term rating of A- or above at December 31, 2018. The annuities purchased for the U.K. pension plans are held with financial institutions that are governed by local regulatory bodies. The remaining assets are held with financial institutions where ratings are not available or are below A-. For these institutions, Celestica monitors counterparty risk based on the diversification of plan assets. These

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plan assets are maintained in segregated accounts by a custodian that is independent from the fund managers. We believe that the counterparty risk is low.

Plan assets are measured at their fair values; however, the amounts we are permitted to record for defined benefit plan assets may be restricted under IFRS. See note 2(n) for a description of this restriction. Based on a review of the terms, conditions, and statutory minimum funding requirements of our defined benefit plans, we have determined that the present value of future pension refunds or reductions in future contributions to our pension plans exceeds the total of the fair value of plan assets net of the present value of related obligations. This determination was made on a plan-by-plan basis. As a result of our assessment, there were no reductions to the amounts we recorded for defined benefit plan assets as at December 31, 2018 or 2017.

(b) Plan financials:

The table below presents the market value of plan assets:

•			Act	ual	Asse	et	
	Fair Market		Allocation				
	Value a	(%)					
	Decemb	at					
		Dec	em	ber 3	31		
	2017	2018	201	7	201	8	
Quoted market prices:							
Debt investment funds	\$225.2	\$10.2	57	%	4	%	
Equity investment funds	7.0	6.6	2	%	2	%	
Non-quoted market prices:							
Insurance annuities	148.5	266.5	37	%	91	%	
Other	14.8	9.7	4	%	3	%	
Total	\$395.5	\$293.0	100	%	100	%	

The following tables provide a summary of the financial position of our pension and other benefit plans:

	Pension Plans	Other Benefit Plans		
	Year ended	Year e	nded	
	December 31	December 31		
	2017 2018	2017	2018	
Plan assets, beginning of year	\$377.2 \$395.5	\$ —	\$ —	
Interest income	10.0 9.4	_	_	
Actuarial losses in other comprehensive income (i)	(6.1) (82.2)	) —	_	
Administrative expenses paid from plan assets	(1.4) (1.4)	) —	_	
Employer contributions	2.4 2.7	_	_	
Employer direct benefit payments	0.1 1.0	2.5	2.3	
Employer direct settlement payments		2.0	2.5	
Settlement payments from employer		(2.0)	(2.5)	
Settlement payments from plan (see note 19(a))	(11.7) 0.1			
Benefit payments from plan	(10.5) (12.7)	) —		
Benefit payments from employer	(0.1) $(1.0)$	) (2.5)	(2.3)	
Foreign currency exchange rate changes and other	35.6 (18.4	) —	_	

Plan assets, end of year

\$395.5 \$293.0 \$ — \$ —

Actuarial gains or losses are determined based on actual return on plan assets less interest income as set forth in the (i)table above. For 2018, includes a \$63.3 loss resulting from the purchase of annuities in June 2018. For 2017, includes a \$17.0 loss resulting from the purchase of annuities in March 2017 (see note 19(a) above).

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	Pension Year end Decemb	ded	Other I Plans Year en Decem	nded
	2017	2018	2017	2018
Accrued benefit obligations, beginning of year	\$325.6	\$355.8	\$65.8	\$75.5
Current service cost	2.1	1.8	2.0	2.2
Past service cost and settlement/curtailment losses	1.9	0.1	0.6	1.2
Interest cost	8.7	8.6	2.6	2.6
Actuarial losses (gains) in other comprehensive income from:				
— Changes in demographic assumptions	5.4	(3.7)	0.2	_
— Changes in financial assumptions	2.9	(19.9)	2.9	(3.5)
— Experience adjustments	0.1	0.2	0.6	(0.5)
Settlement payments from employer	_	_	(2.0)	(2.5)
Settlement payments from plan	(11.7)	0.1		
Benefit payments from plan	(10.5)	(12.7)		
Benefit payments from employer	(0.1)	(1.0)	(2.5)	(2.3)
Foreign currency exchange rate changes and other	31.4	(19.7)	5.3	(4.6)
Accrued benefit obligations, end of year	\$355.8	\$309.6	\$75.5	\$68.1
Weighted average duration of benefit obligations (in years)	19	18	14	13

The present value of the defined benefit obligations, the fair value of plan assets and the surplus or deficit in our defined benefit pension and other benefit plans are summarized as follows:

	Pension I Decembe		Other Benefit Plans		
	Decembe	1 31	Decemb	er 31	
	2017	2018	2017	2018	
Accrued benefit obligations, end of year	\$(355.8)	\$(309.6)	\$(75.5)	\$(68.1)	
Plan assets, end of year	395.5	293.0		_	
Excess (deficiency) of plan assets over accrued benefit obligations	\$39.7	\$(16.6)	\$(75.5)	\$(68.1)	

The following table outlines the plan balances as reported on our consolidated balance sheet:

S			Decemb 2017	er 31		Decemb 2018	er 31	
			Pension Plans	Other Benefit Plans	Total	Pension Plans	Other Benefit Plans	Total
Pension and non-pension post-	employment benefit oblig	gations	\$(23.2)	\$(74.6)	\$(97.8)	\$(21.1)	\$(67.7)	\$(88.8)
Current other post-employment	nt benefit obligations (i)			(0.9)	(0.9)		(0.4)	(0.4)
Non-current net pension assets	s (note 10)		62.9		62.9	4.5		4.5
			\$39.7	(75.5)	\$(35.8)	\$(16.6)	\$(68.1)	\$(84.7)

In connection with certain restructuring actions announced prior to the end of 2017, we reclassified a current portion of the accumulated post-employment benefits totaling \$0.9 to accrued and other current liabilities on our consolidated balance sheet as of December 31, 2017. The current portion of post-employment benefits as of December 31, 2018 was \$0.4.

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The following table outlines the net expense recognized in our consolidated statement of operations for pension and non-pension post-employment benefit plans:

	Pension Plans Year ended December 31			Other Benefit Plans Year ended December 31			
	2016	2017	2018	2016	2017	2018	
Current service cost	\$1.7	\$2.1	\$1.8	\$1.9	\$2.0	\$2.2	
Net interest cost (income)	(1.6)	(1.3)	(0.8)	2.6	2.6	2.6	
Past service cost and settlement/curtailment losses	_	1.9	0.1	—	0.6	1.2	
Plan administrative expenses and other	1.1	1.3	1.3	—	_		
	1.2	4.0	2.4	4.5	5.2	6.0	
Defined contribution pension plan expense (note 19(c))	10.0	9.4	9.6				
Total expense for the year	\$11.2	\$13.4	\$12.0	\$4.5	\$5.2	\$6.0	

We generally record the expenses for pension plans and non-pension post-employment benefits in cost of sales and SG&A expenses depending on the nature of the expenses. Our settlement loss in 2017 of \$1.9 in pension plans arose as a result of annuity purchases for our U.K. Supplementary plan in April 2017. See note 19(a) above.

The following table outlines the gains and losses, net of tax, recognized in OCI and reclassified directly to deficit:

	Y ear ended			
	Decem			
	2016	2017	2018	
Cumulative losses, beginning of year	\$13.0	\$(4.1)	\$14.1	
Loss on pension annuity purchases (note 19(a))	_	17.0	63.3	
Actuarial losses (gains) recognized during the year (i)	(17.1)	1.2	(8.4)	
Cumulative losses (gains), end of year (ii)	\$(4.1)	\$14.1	\$69.0	

<sup>(</sup>i) Net of income tax recovery of \$0.1 for 2018 (2017 — \$0.0 income tax recovery; 2016 — net of \$1.4 income tax expense).

The following percentages and assumptions were used in measuring the plans for the years indicated:

	Pension Plans		Other Benefit		
	r clision r	Plans			
	201 <b>@</b> 017	2018	2016	2017	2018
Weighted average discount rate at December 31 (i) for:					
Benefit obligations	2.6 2.5	2.9	3.9	3.6	3.8
Net pension cost	3.8 2.6	2.5	4.1	3.9	3.6
Weighted average rate of compensation increase for:					
Benefit obligations	3.9 4.0	4.1	4.6	4.6	4.2
Net pension cost	3.8 3.9	4.0	4.6	4.6	4.6
Healthcare cost trend rates:					
Immediate trend		_	5.9	5.8	5.7
Ultimate trend		_	4.5	4.5	4.0
Year the ultimate trend rate is expected to be achieved		_	2030	2030	2040

<sup>(</sup>ii) Net of income tax recovery of \$0.8 as at December 31, 2018 (December 31, 2017 — net of \$0.7 income tax recovery; December 31, 2016 — net of \$0.7 income tax recovery).

The weighted average discount rate is determined using publicly available rates for highly-rated bonds by currency (i) in countries where there is a pension or non-pension benefit plan. A lower discount rate would increase the present value of the benefit obligation.

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Management applied significant judgment in determining these assumptions. We evaluate these assumptions on a regular basis taking into consideration current market conditions and historical market data. Actual results could differ materially from those estimates and assumptions.

A one percentage-point increase or decrease in one of the following actuarial assumptions, holding other assumptions constant in each case, would increase (decrease) our benefit obligations as follows:

	Pension Plans Year ended		Other Benefit Plans				
			Year ended				
	December 31,		December 31,				
	2018		2018				
	1%	1%	1%	1%			
	Increase	Decrease	Increas	seDecrea	se		
Discount rate	\$(48.1)	\$ 62.1	\$(8.0)	\$ 9.7			
Healthcare cost trend rate	\$	\$ —	\$6.2	\$ (5.1	)		

The sensitivity figures shown above were calculated by determining the change in our benefit obligations as at December 31, 2018 due to a 100 basis point increase or decrease to each of our significant actuarial assumptions used, primarily the discount rate and healthcare cost trend rate, in isolation, leaving all other assumptions unchanged from the original calculation.

## (c) Plan contributions:

In 2018, we made contributions to our pension plans of \$13.3 (2017 — \$11.9) of which \$9.6 (2017 — \$9.4) was for defined contribution plans and \$3.7 (2017 — \$2.5) was for defined benefit plans. In 2018, we made aggregate contributions to our non-pension post-employment benefit plans of \$4.8 (2017 — \$4.5) to fund benefit payments. We currently estimate that our 2019 contributions will be \$2.4 for defined benefit pension plans, \$9.6 for defined contribution pension plans, and \$3.6 for our non-pension post-employment benefit plans. Our actual contributions could differ materially from these estimates.

#### 20. INCOME TAXES:

	Year ended				
	December 31				
	2016	2017		2018	
Current income tax expense:	(restate	edrestate	d)		
Current year (i)	\$48.3	\$ 39.3		\$44.4	
Adjustments for prior years, including changes to net provisions related to tax uncertainties (ii)	(34.1)	(0.2	)	(4.7	)
	14.2	39.1		39.7	
Deferred income tax expense (recovery):					
Origination and reversal of temporary differences (i)	20.0	(5.6	)	6.2	
Changes in previously unrecognized tax losses and deductible temporary differences, including adjustments for prior years (iii)	(9.5)	(5.9	)	(62.9	)
	10.5	(11.5	)	(56.7	)
Income tax expense	\$24.7	\$ 27.6		\$(17.0	0)

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A reconciliation of income taxes calculated at the statutory income tax rate to the income tax expense at the effective tax rate is as follows:

	Year ended December 31					
	2016		2017		2018	
	(restate	ed	l)(restate	d)		
Earnings before income taxes	\$163.0	)	\$ 133.1		\$81.9	)
Income tax expense at Celestica's statutory income tax rate of 26.5% (2017 and 2016 — 26.5%)	\$43.2		\$35.3		\$21.7	,
Impact on income taxes from:						
Manufacturing and processing deduction	(0.1)	)	(0.1	)	(0.1)	)
Foreign income taxed at different rates	(0.1	)	(7.6	)	(9.1)	)
Foreign exchange	4.8		(6.8	)	3.8	
Other, including non-taxable/non-deductible items and changes to net provisions related to tax uncertainties (i)(ii)	(25.3	)	3.4		11.3	
Change in unrecognized tax losses and deductible temporary differences (iii)	2.2		3.4		(44.6	)
Income tax expense	\$24.7		\$27.6		\$(17.0	0)

These line items for 2016 and 2017 in the two tables above were negatively impacted by a deferred tax expense of \$8.0 and \$4.0, respectively, related to taxable temporary differences associated with the then-anticipated repatriation of undistributed earnings from certain of our Chinese subsidiaries, of which \$6.0 and \$3.5 was realized as a current tax expense for withholding tax on dividends paid in 2017 and 2018, respectively.

These line items for 2016 in the two tables above were favorably impacted by the reversal of provisions of \$34 (ii) previously recorded for tax uncertainties related to the resolution of a transfer pricing matter for one of our Canadian subsidiaries (discussed below).

These line items for 2018 in the two tables above include the recognition of an aggregate of \$53.3 of deferred tax assets in our U.S. group of subsidiaries (discussed below).

Our effective income tax rate can vary significantly period-to-period for various reasons, including as a result of the mix and volume of business in various tax jurisdictions within the Americas, Europe and Asia, in jurisdictions with tax holidays and tax incentives, and in jurisdictions for which no net deferred income tax assets have been recognized because management believed it was not probable that future taxable profit would be available against which tax losses and deductible temporary differences could be utilized. Our effective income tax rate can also vary due to the impact of restructuring charges, foreign exchange fluctuations, operating losses, cash repatriations, and changes in our provisions related to tax uncertainties.

During 2018, we recorded a net income tax recovery of \$17.0 which was favorably impacted by the recognition of \$3.7 and \$49.6 of previously unrecognized deferred tax assets in our U.S. group of subsidiaries (collectively, DTA Benefits) as a result of our Atrenne and Impakt acquisitions, respectively (which partially offset the net deferred tax liabilities of \$56.6 that arose in connection with such acquisitions), as well as the reversal of \$6.0 of previously accrued Mexican taxes (described below). These favorable impacts were offset, in part, by adverse taxable foreign exchange impacts resulting from the weakening of the Malaysian ringgit and Chinese renminbi relative to the U.S. dollar (our functional currency). During the second quarter of 2018, we received a favorable conclusion to our application for a bi-lateral advance pricing arrangement (BAPA) between the United States and Mexican tax authorities and reversed \$6.0 of Mexican income taxes previously accrued to reflect the approved BAPA terms.

During 2017, we recorded a net income tax expense of \$27.6 which was favorably impacted by the recognition of a deferred income tax benefit of \$4.3 (Solar Benefit) related to our solar assets (described below), as well as taxable foreign exchange benefits resulting from the strengthening of the Malaysian ringgit and Chinese renminbi relative to the U.S. dollar, which were offset in part by \$4.0 deferred tax expense related to taxable temporary differences associated with the then-anticipated repatriation of undistributed earnings from certain of our Chinese subsidiaries, and a \$2.0 deferred tax expense related to the U.S. Tax Reform (defined below). In connection with our exit from the solar panel manufacturing business, we withdrew one of our tax incentives in Thailand (which related solely to such operations) during the second quarter of 2017. The withdrawal

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of this incentive allowed us to apply tax losses arising from the disposition of our solar assets against other taxable profits in Thailand, resulting in the recognition of the Solar Benefit in 2017 and ultimately realized in 2018.

The United States Tax Cuts and Jobs Act (U.S. Tax Reform) was enacted on December 22, 2017 and became effective January 1, 2018. We believe that we recorded all significant one-time impacts resulting from enactment of the U.S. Tax Reform in the fourth quarter of 2017 (consisting of a non-cash increase to our deferred income tax expense of \$2.0 to re-value our previously recognized net deferred tax assets), but will continue to assess additional impacts, if any, throughout 2019 as they become known due to changes in our interpretations and assumptions, as well as applicable changes in our business and additional regulatory guidance that may be issued. No significant amounts resulting from the U.S. Tax Reform were recorded during 2018.

During 2016, we recorded a net income tax expense of \$24.7 which was favorably impacted by the reversal of provisions previously recorded for tax uncertainties related to the resolution of a transfer pricing matter for one of our Canadian subsidiaries. In connection therewith, we recorded aggregate income tax recoveries of \$45 million Canadian dollars (approximately \$34 at the exchange rates at the time of recording), as well as aggregate refund interest income of \$14.3 (see below). Our net income tax expense for 2016 was negatively impacted by withholding taxes of \$1.5 pertaining to the repatriation of \$50.0 from a U.S. subsidiary, deferred tax expense of \$8.0 related to taxable temporary differences associated with the then-anticipated repatriation of undistributed earnings from certain of our Chinese subsidiaries, as well as taxable foreign exchange impacts of \$7.3 resulting from the weakening of the Malaysian ringgit and Chinese renminbi relative to the U.S. dollar. There was no tax impact recorded in 2016 associated with the \$21.2 non-cash impairment charges (through restructuring), however, as discussed above, we recorded the Solar Benefit in 2017 which was then realized in 2018. See note 16(a).

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Changes in deferred tax assets and liabilities for the periods indicated are as follows:

D. C. Live and the control of the co		•	Pensions and non-pension post-retireme	Tax losses	Property, plant and equipment and intangibles		Reclassificat between deferred tax assets and deferred tax liabilities <sup>(i)</sup>	ion Total
Deferred tax assets*: Balance — January 1, 2017	\$ —	\$ 10.4	\$ —	\$ 30.2	\$ —	\$126	\$ (17.9)	\$35.3
Credited (charged) to net	Ψ —		Ψ —		Ψ —			
earnings		(1.9)	_	4.5	_	(14.8)	_	(12.2)
Credited (charged) directly to	_		_	(1.7)	_		_	(1.7)
equity				ĺ				
Effects of foreign exchange	_	0.3	_	1.6	_	_		1.9
Other			<del></del>	<u> </u>	6.3	2.2	5.8	14.3
Balance — December 31, 2017 Credited (charged) to net		8.8	_	34.6	6.3		(12.1)	37.6
earnings		2.1	_	36.8		17.1	_	56.0
Credited (charged) directly to				(0.9.)		1 7		(0.1.)
equity			_	(9.8)	_	1.7	_	(8.1)
Effects of foreign exchange	_	(0.1)	_	(2.1)	_	0.1	_	(2.1)
Other	_	_	<del>_</del>	_	. ,	(4.1)		( )
Balance — December 31, 2018	\$ —	\$ 10.8	\$ —	\$ 59.5	\$ —	\$14.8	\$ (48.4)	\$36.7
Deferred tax liabilities*:	<b>4.265</b>	Φ.	<b>4.10.0</b>	Φ.	<b>4.13</b> 0	Φ0.1	<b>.</b> (16.2	<b>425.4</b>
Balance — January 1, 2017	\$ 26.5	\$ —	\$ 12.2	\$ <i>—</i>	\$ 12.8	\$0.1	\$ (16.2)	\$35.4
Charged (credited) to net earnings	(2.9)	_	0.1		(18.7)	(2.8)	_	(24.3)
Charged (credited) directly to			(1.7			2.5		0.0
equity	_	_	(1.7)	_	_	2.5		0.8
Effects of foreign exchange	1.6	_			(0.4)			1.2
Other			_		6.3	4.3	4.1	14.7
Balance — December 31, 2017	25.2		10.6	_	_	4.1	(12.1)	27.8
Charged (credited) to net	1.5		_	_	(2.3)			(0.8)
earnings					(=10 )			(0.0)
Charged (credited) directly to			(9.9)					(9.9)
equity								, ,
Additions from business combinations	_	_			56.6			56.6
Effects of foreign exchange	(2.1)	_	0.1		0.5			(1.5)
Other		_		_		(4.1)	(36.3	(46.7)
Balance — December 31, 2018	\$ 24.6	\$ —	\$ 0.8	<b>\$</b> —	\$ 48.5	\$—	\$ (48.4)	\$25.5
*Cortain of the 2017 figures he		totad to raf		on of IED		,	. ( )	

<sup>\*</sup>Certain of the 2017 figures have been restated to reflect the adoption of IFRS15.

This reclassification reflects the offsetting of deferred tax assets and deferred tax liabilities to the extent they relate to the same taxing authorities and there is a legally enforceable right to such offset.

The amount of deductible temporary differences and unused tax losses for which no deferred tax assets have been recognized at December 31, 2018 is \$1,780.4 (December 31, 2017 — \$1,977.7). We have not recognized deferred tax assets in respect of these items because, based on management's estimates, it is not probable that future taxable profit will be available against which we can utilize the benefits. A portion of these tax losses expires between 2019 and 2038 and a portion can be carried forward indefinitely to offset taxable profits. The deductible temporary differences do not expire under current tax legislation.

The aggregate amount of temporary differences associated with investments in subsidiaries for which we have not recognized deferred tax liabilities is \$5.8 (December 31, 2017 — nil).

During 2018, we recorded deferred tax assets of \$5.0 with respect to losses incurred in our U.S. subsidiaries during such year. We recognize deferred tax assets based on our estimate of the future taxable profit we expect our U.S. group of subsidiaries to achieve based on our review of financial projections. We did not record any deferred tax assets related to losses incurred in 2017 for any of our subsidiaries.

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Certain countries in which we do business grant tax incentives to attract or retain our business. Our tax expense could increase significantly if certain tax incentives from which we benefit are retracted. A retraction could occur if we fail to satisfy the conditions on which these tax incentives are based, or if they are not renewed or replaced upon expiration. Our tax expense could also increase if tax rates applicable to us in such jurisdictions are otherwise increased, or due to changes in legislation or administrative practices. Changes in our outlook in any particular country could impact our ability to meet the required conditions.

Our tax incentives currently consist of tax holidays for the profits of our Thailand and Laos subsidiaries, as well as tax incentives for dividend withholding taxes for these subsidiaries. These tax incentives are subject to certain conditions with which we intend to comply, and expire between 2019 and 2027. The aggregate tax benefit arising from all of our tax incentives was approximately \$4.7 or \$0.03 per diluted share for 2018, \$7.6 or \$0.05 per diluted share for 2017, and \$7.3 or \$0.05 per diluted share for 2016.

We have multiple income tax incentives in Thailand with varying exemption periods. These incentives initially allow for a 100% income tax exemption (including distribution taxes), which after eight years transition to a 50% income tax exemption for the next five years (excluding distribution taxes). Upon full expiry of each of the incentives, taxable profits associated with such expired tax incentives become fully taxable. As a result of our exit from the solar panel manufacturing business, we withdrew our tax incentive related to our solar panel manufacturing operations in Thailand during the second quarter of 2017 (see above). One of our remaining three Thailand tax incentives expires in 2019, another expires in 2020, and the third incentive will transition to the 50% exemption in 2022, and expire in 2027.

We were granted tax incentives for our Malaysian subsidiaries from 2010 to 2014, however, we did not benefit from any Malaysian tax incentives thereafter. While negotiations for Malaysian incentives are ongoing, we currently expect to be granted new pioneer incentives for only limited portions of our Malaysian business. As a result, we recorded Malaysian income taxes at full statutory tax rates commencing in 2015. As we continue to negotiate tax incentives with Malaysian authorities, including the activities covered, exemption levels, incentive conditions or commitments, and the effective commencement date of the incentive, we are currently unable to quantify the benefits or applicable periods of any such incentives, and there can be no assurance that any such incentives will be granted. We recorded aggregate current income tax recoveries in the second half of 2016 of \$45 million Canadian dollars (approximately \$34 at the exchange rates at the time of recording) to reverse previously recorded provisions for tax uncertainties related to transfer pricing, as well as aggregate refund interest income of \$19 million Canadian dollars (approximately \$14 at the exchange rates at the time of recording) for cash held on account with Canadian tax authorities in connection with the resolution of certain transfer pricing matters (related to 2001 through 2004) and disputed benefits associated with favorable adjustments. In addition, in 2016, the Canadian tax authorities issued revised reassessments pertaining to the re-characterization of certain interest amounts deducted by one of our Canadian entities in 2002 through 2004. As the net impact of the revised reassessments was nominal, we accepted them and the matter was closed in 2016. As a result of the resolution of the foregoing matters, we received \$70 million Canadian dollars (approximately \$52 at settlement date exchange rates) during the fourth quarter of 2016, representing the refund of cash previously deposited on account with the Canadian tax authorities and related refund interest income. We also received \$6 million Canadian dollars (approximately \$4 at settlement date exchange rates) in January 2017. The aggregate amount of cash refunds received represented the return of all deposits and related refund interest income with respect to the Canadian tax matters.

See note 24 regarding a Brazilian sales tax contingency.

## 21. FINANCIAL INSTRUMENTS AND RISK MANAGEMENT:

Our financial assets are comprised primarily of cash and cash equivalents, accounts receivable, and derivatives used for hedging purposes. Our financial liabilities are comprised primarily of accounts payable, certain accrued and other

liabilities and provisions, the New Term Loans, borrowings under the New Revolver, and derivatives. We record the majority of our financial assets and liabilities at amortized cost except for derivative assets and liabilities, which we measure at fair value. We classify our short-term investments in money market funds (if applicable) as FVTPL, and initially recognize such assets on our consolidated balance sheet at fair value with subsequent changes recorded in our consolidated statement of operations. The carrying value of the New Term Loans approximates their fair value as they bear interest at a variable market rate. We classify the financial assets and liabilities that we measure at fair value based on the inputs used to determine fair value at the measurement

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date. See note 2 for changes to the classification of our financial assets and liabilities since December 31, 2017 as a result of our adoption of IFRS 9 as of January 1, 2018.

Cash and cash equivalents are comprised of the following:

	Decemb	5er 31
	2017	2018
Cash	\$401.5	\$409.1
Cash equivalents	113.7	12.9
	\$515.2	\$422.0

Our current portfolio of cash equivalents consist of bank deposits. The majority of our cash and cash equivalents is held with financial institutions each of which had at December 31, 2018 a Standard and Poor's short-term rating of A-1 or above.

Financial risk management objectives:

We have exposures to a variety of financial risks through our operations. We regularly monitor these risks and have established policies and business practices to mitigate the adverse effects of these potential exposures. We have used derivative financial instruments, such as foreign currency forward and swap contracts, as well as interest rate swaps, to reduce the effects of some of these risks. We do not enter into or trade financial instruments, including derivative financial instruments, for speculative purposes.

## (a) Currency risk:

Due to the global nature of our operations, we are exposed to exchange rate fluctuations on our financial instruments denominated in various currencies. The majority of our currency risk is driven by operational costs, including income tax expense, incurred in local currencies by our subsidiaries. As part of our risk management program, we attempt to mitigate currency risk through a hedging program using forecasts of our anticipated future cash flows and balance sheet exposures denominated in foreign currencies. We enter into foreign exchange forward contracts and swaps, generally for periods up to 12 months, to lock in the exchange rates for future foreign currency transactions, which is intended to reduce the variability of our operating costs and future cash flows denominated in local currencies. While these contracts are intended to reduce the effects of fluctuations in foreign currency exchange rates, our hedging strategy does not mitigate the longer-term impacts of changes to foreign exchange rates. Although our functional currency is the U.S. dollar, currency risk on our income tax expense arises as we are generally required to file our tax returns in the local currency for each particular country in which we have operations. While our hedging program is designed to mitigate currency risk vis-à-vis the U.S. dollar, we remain subject to taxable foreign exchange impacts in our translated local currency financial results relevant for tax reporting purposes.

Our major currency exposures at December 31, 2018 are summarized in U.S. dollar equivalents in the following table. The local currency amounts have been converted to U.S. dollar equivalents using spot rates at December 31, 2018.

Canadian Romanian Thai Chinese

	Calladial	Komama	Fure	Hiai	Cilliese	5
	dollar	Leu	Euro	baht	renminl	bi
Cash and cash equivalents	\$4.1	\$ 0.4	\$8.2	\$2.3	\$ 16.3	
Accounts receivable	1.6	_	42.5	1.7	12.4	
Income taxes and value-added taxes receivable	16.5	0.8	13.4	3.3	12.3	
Other financial assets	_	0.8	1.7	0.5	0.8	
Pension and non-pension post-employment liabilities	(70.6)	_	(0.5)	(13.6)	(1.0	)
Income taxes and value-added taxes payable	(0.1)	_	(0.3)	(1.2)	· —	
Accounts payable and certain accrued and other liabilities and provisions	(52.4	(12.9)	(45.8)	(18.9)	(27.0	)

Net financial assets (liabilities)

\$(100.9) \$(10.9) \$19.2 \$(25.9) \$13.8

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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Foreign currency risk sensitivity analysis:

The financial impact of a one-percentage point strengthening or weakening of the following currencies against the U.S. dollar for our financial instruments denominated in such non-functional currencies is summarized in the following table as at December 31, 2018. The financial instruments impacted by a change in exchange rates include our exposures to the above financial assets or liabilities denominated in non-functional currencies and our foreign exchange forward contracts and swaps.

S	Canadimanian dollaeu Increase (decr	Euro	Thai baht	Chinese renmini	
1% Strengthening	<b>`</b>	,			
Net earnings	\$-\$ (0.1)	\$(0.1)	\$(0.1)	\$ 0.1	
Other comprehensive income	1.0 0.4	0.1	0.7	0.6	
1% Weakening					
Net earnings	— 0.1	0.1	0.1	(0.1	)
Other comprehensive income	(1).0(0.4)	(0.1)	(0.7)	(0.6	)
(b) Interest rate risk:					

Borrowings under the New Credit Facility bear interest at specified rates, plus specified margins. See note 12. Our borrowings under this facility at December 31, 2018 totaled \$757.3, comprised of an aggregate of \$598.3 under the New Term Loans and, other than ordinary course letters of credit (described below), \$159.0 under the New Revolver (December 31, 2017 — \$187.5 outstanding under the Prior Term Loan, and other than ordinary course letters of credit, no amounts outstanding under the Prior Revolver). Such borrowings expose us to interest rate risk due to the potential variability in market interest rates. Without accounting for the interest rate swaps described below, a one-percentage point increase in these rates would increase interest expense, based on outstanding borrowings of \$757.3 as at December 31, 2018, by \$7.6 annually.

As part of our risk management program, we attempt to mitigate interest rate risk through interest rate swaps. In order to partially hedge against our exposure to interest rate variability on the New Term Loans, we entered into 5-year agreements with a syndicate of third-party banks in August and December 2018 to swap the variable interest rate (based on LIBOR plus a margin) with a fixed rate of interest for \$350.0 of the total borrowings under the New Term Loans. The terms of the interest rate swap agreements on the floating market rate and the interest payment dates match that of the underlying debt, such that any hedge ineffectiveness is not expected to be significant. The swap agreements include options that allow us to cancel up to \$150.0 of the notional amount of the original swap agreements (\$75.0 under the November Term Loan starting in December 2020, and \$75.0 under the June Term Loan starting in August 2021). The cancellable options in the swap agreements are aligned with our risk management strategy for the New Term Loans as they allow us to make voluntary prepayments of outstanding amounts without premium or penalty, subject to certain conditions. Our unhedged borrowings under the New Credit Facility at December 31, 2018 were \$407.3 (comprised of an aggregate of \$248.3 under the New Term Loans and \$159.0 under the New Revolver). A one-percentage point increase in relevant interest rates would increase interest expense, based on the outstanding amounts of unhedged borrowings of \$407.3 as at December 31, 2018, by \$4.1 annually.

We obtain third-party valuations of the swaps under the interest rate swap agreements. The valuations of the swaps are primarily measured through various pricing models or discounted cash flow analyses that incorporate observable market parameters, such as interest rate yield curves and volatility, and credit risk adjustments. The valuations of the interest rate swaps are measured primarily based on Level 2 data inputs of the fair value measurement hierarchy. The unrealized portion of the hedge gain or loss of the swaps is recorded in accumulated OCI. The realized portion of the hedge gain or loss of the swap is released from OCI and recognized under finance costs in our consolidated statement

of operations in the respective interest payment periods. At December 31, 2018, the fair value of our interest rate swap agreements was a net unrealized loss of \$4.4 which we recorded in other non-current liabilities on our consolidated balance sheet. As we have swapped \$350.0 of our borrowings under the New Term Loans from floating to fixed rates, the financial impact of a 25 basis point increase in the floating market interest rate would eliminate the net unrealized loss described above, and a 25 basis point decrease in the floating interest rate would increase our unrealized loss on the interest rate swaps by \$4.3.

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#### (c) Credit risk:

Credit risk refers to the risk that a counterparty may default on its contractual obligations resulting in a financial loss to us. We believe the risk of counterparty non-performance is relatively low, however, if a key supplier (or any company within such supplier's supply chain) or customer experiences financial difficulties or fails to comply with their contractual obligations, this could result in a financial loss to us. With respect to our financial market activities, we have adopted a policy of dealing only with credit-worthy counterparties to help mitigate the risk of financial loss from defaults. We monitor the credit risk of the counterparties with whom we conduct business, through a combined process of credit rating reviews and portfolio reviews. To attempt to mitigate the risk of financial loss from defaults under our foreign currency forward contracts and swaps, and our interest rate swaps, our contracts are held by counterparty financial institutions, each of which had a Standard and Poor's rating of A-2 or above at December 31, 2018. In addition, we maintain cash and short-term investments in highly-rated investments or on deposit with major financial institutions. Each financial institution with which we have our accounts receivable sales program and the SFP had a Standard and Poor's short-term rating of A-2 or above and a long-term rating of BBB+ or above at December 31, 2018. Each financial institution from which annuities have been purchased for the defined benefit component of our Canadian pension plan had an A.M. Best or Standard and Poor's long-term rating of A or above at December 31, 2018. In addition, the financial institutions from which annuities have been purchased for the defined benefit component of our U.K. pension plans are governed by local regulatory bodies. If an institution from which we purchased annuities for our pension plans defaults on their contractual obligations, this would result in a financial loss to us, as we retain ultimate responsibility for the payment of benefits to plan participants unless and until such pension plans are wound-up.

We also provide unsecured credit to our customers in the normal course of business. Customer exposures that potentially subject us to credit risk include our accounts receivable, inventory on hand, and non-cancellable purchase orders in support of customer demand. From time to time, we extend the payment terms applicable to certain customers and/or provide longer payment terms when deemed commercially reasonable. Longer payment terms, which have become more prevalent, could adversely impact our working capital requirements, and increase our financial exposure and credit risk. We attempt to mitigate customer credit risk by monitoring our customers' financial condition and performing ongoing credit evaluations as appropriate. In certain instances, we may obtain letters of credit or other forms of security from our customers. We may also purchase credit insurance from a financial institution to reduce our credit exposure to certain customers. We consider credit risk in determining our allowance for doubtful accounts, and we believe that such allowance, as adjusted from time to time, is adequate. The carrying amount of financial assets recorded in our consolidated financial statements, net of our allowance for doubtful accounts, represents our estimate of maximum exposure to credit risk. At December 31, 2018, approximately 1% of our gross accounts receivable are over 90 days past due. Accounts receivable are net of an allowance for doubtful accounts of \$5.3 at December 31, 2018 (December 31, 2017 — \$4.3).

## (d) Liquidity risk:

Liquidity risk is the risk that we may not have cash available to satisfy our financial obligations as they come due. The majority of our financial liabilities recorded in accounts payable, accrued and other current liabilities and provisions are due within 90 days. We manage liquidity risk by maintaining a portfolio of liquid funds and investments and having access to a revolving credit facility, intraday and overnight bank overdraft facilities, an accounts receivable sales program and the SFP. Since our \$250.0 accounts receivable sales program and the SFP are each on an uncommitted basis, there can be no assurance that any participant bank will purchase all the accounts receivable that we wish to sell thereunder. However, we believe that cash flow from operating activities, together with cash on hand, cash from the sale of accounts receivable, and borrowings available under the New Revolver and intraday and

overnight bank overdraft facilities are sufficient to fund our currently anticipated financial obligations. Fair values:

We estimate the fair value of each class of financial instruments. The carrying values of cash and cash equivalents, accounts receivable, accounts payable, accrued liabilities and provisions, and borrowings under the New Revolver approximate the fair values of these financial instruments due to the short-term nature of these instruments. The carrying value of the New Term Loans approximate their fair value as they bear interest at a variable market rate. The fair values of foreign currency contracts are estimated using generally accepted valuation models based on a discounted cash flow analysis with inputs of observable market data, including currency rates and discount factors. Discount factors are adjusted by our own credit risk or the credit risk of the counterparty, depending on whether the fair values are in liability or asset positions, respectively. We

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

obtained third-party valuations of the swaps under our interest rate swap agreements. The valuations of the swaps are primarily measured through various pricing models or discounted cash flow analyses that incorporate observable market parameters, such as interest rate yield curves and volatility, and credit risk adjustments, and are based on Level 2 data inputs of the fair value measurement hierarchy.

Fair value measurements:

In the table below, we have segregated our financial assets and liabilities that are measured at fair value, based on the inputs used to determine fair value at the measurement date. The three levels within the fair value hierarchy, based on the reliability of inputs, are as follows:

level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities;

level 2 inputs are inputs other than quoted prices included in level 1 that are observable for the asset or liability either directly (i.e. prices) or indirectly (i.e. derived from prices); and

level 3 inputs are inputs for the asset or liability that are not based on observable market data (i.e. unobservable inputs).

December 31,	December 31,
2017	2018
Levelevel 2	Levletviel 2

#### Assets:

Foreign currency forwards and swaps \$ -\$ 12.9 \$ -\$ 2.1

#### Liabilities:

Interest rate swaps 
$$$-$$$
  $$-$$  (4.4 )  
Foreign currency forwards and swaps  $-$  (2.6 )  $-$  (16.3 )  
 $$-$$  (2.6 )  $$-$$  (20.7 )

See note 19 for the input levels used to measure the fair value of our pension assets. See note 3 for the input levels used to measure the fair value of acquired assets.

Foreign currency forward and swap contracts are valued using an income approach, by comparing the current quoted market forward rates to our contract rates and discounting the values with appropriate market observable credit risk adjusted rates. We have not valued any of the financial instruments described in the table above using level 3 (unobservable) inputs. There were no transfers of fair value measurements between level 1 and level 2 of the fair value hierarchy in 2018 or 2017.

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

Weighted

#### Currency derivatives and hedging activities:

We enter into foreign exchange forward contracts to hedge our cash flow exposures and foreign currency swaps to hedge our balance sheet exposures. At December 31, 2018 and 2017, we had foreign exchange forwards and swaps to trade U.S. dollars in exchange for the following currencies:

	Contract	average	Maximum	1	
As at December 31, 2018		exchange	Maximum period in	Fair valu	e
Currency	of	rate	months	gain/(loss	s)
	U.S. dollars	in	monuis		
		U.S. dollars			
Canadian dollar	\$ 210.2	\$ 0.76	12	\$ (10.3	)
Thai baht	81.1	0.03	12	(0.7	)
Malaysian ringgit	53.4	0.24	12	(0.8)	)
Mexican peso	25.6	0.05	12	0.2	
British pound	5.3	1.27	4	_	
Chinese renminbi	66.8	0.15	12	(1.6	)
Euro	35.8	1.17	12	0.3	
Romanian leu	40.4	0.25	12	(0.9)	)
Singapore dollar	22.1	0.74	12	(0.3	)
Other	3.5	0.01	1	(0.1	)
Total	\$ 544.2			\$ (14.2	)
		Weighted			
	Contract	Weighted average	Maximum		
As at December 31, 2017		_	Maximum	<sup>1</sup> Fair valu	e
As at December 31, 2017 Currency		average	Maximum period in	<sup>1</sup> Fair valu gain/(los	e s)
	amount	average exchange rate	Maximum period in months	<sup>1</sup> Fair valu gain/(los	e s)
	amount of	average exchange rate	months	<sup>1</sup> Fair valu gain/(los	e s)
	amount of	average exchange rate in	months	<sup>1</sup> Fair valu gain/(loss \$ 4.1	e s)
Currency	amount of U.S. dollars	average exchange rate in U.S. dollars	months	gain/(loss	e s)
Currency  Canadian dollar	amount of U.S. dollars \$ 204.8	average exchange rate in U.S. dollars 0.80	months	gain/(los: \$ 4.1	e s)
Currency  Canadian dollar Thai baht	amount of U.S. dollars \$ 204.8 79.0	average exchange rate in U.S. dollars 0.80 0.03	months  12 12	\$ 4.1 2.2	e s)
Currency  Canadian dollar Thai baht Malaysian ringgit	amount of U.S. dollars \$ 204.8 79.0 48.4	average exchange rate in U.S. dollars 0.80 0.03 0.23	months  12 12 12	\$ 4.1 2.2 2.6	s)
Currency  Canadian dollar Thai baht Malaysian ringgit Mexican peso	amount of U.S. dollars \$ 204.8 79.0 48.4 29.3	average exchange rate in U.S. dollars 0.80 0.03 0.23 0.05	12 12 12 12 12	\$ 4.1 2.2 2.6 (0.9	s) )
Currency  Canadian dollar Thai baht Malaysian ringgit Mexican peso British pound	amount of U.S. dollars \$ 204.8 79.0 48.4 29.3 56.4	average exchange rate in U.S. dollars 0.80 0.03 0.23 0.05 1.34	12 12 12 12 12 12	\$ 4.1 2.2 2.6 (0.9 (0.5	s) )
Currency  Canadian dollar Thai baht Malaysian ringgit Mexican peso British pound Chinese renminbi	amount of U.S. dollars \$ 204.8 79.0 48.4 29.3 56.4 71.6	average exchange rate in U.S. dollars 0.80 0.03 0.23 0.05 1.34 0.15	12 12 12 12 12 12 12	\$ 4.1 2.2 2.6 (0.9 (0.5 1.5	s) )
Currency  Canadian dollar Thai baht Malaysian ringgit Mexican peso British pound Chinese renminbi Euro	amount of U.S. dollars \$ 204.8 79.0 48.4 29.3 56.4 71.6 28.7	average exchange rate in U.S. dollars 0.80 0.03 0.23 0.05 1.34 0.15 1.19	12 12 12 12 12 12 12 12 12 12	\$ 4.1 2.2 2.6 (0.9 (0.5 1.5 0.1	s) )
Currency  Canadian dollar Thai baht Malaysian ringgit Mexican peso British pound Chinese renminbi Euro Romanian leu	amount of U.S. dollars \$ 204.8 79.0 48.4 29.3 56.4 71.6 28.7 28.4	average exchange rate in U.S. dollars 0.80 0.03 0.23 0.05 1.34 0.15 1.19 0.25	12 12 12 12 12 12 12 12 12 12 12	\$ 4.1 2.2 2.6 (0.9 (0.5 1.5 0.1 0.6	s) )

At December 31, 2018, the fair value of our outstanding contracts was a net unrealized loss of \$14.2 (December 31, 2017 — net unrealized gain of \$10.3). Changes in the fair value of hedging derivatives to which we apply cash flow hedge accounting, to the extent effective, are deferred in other comprehensive income (loss) until the expenses or items being hedged are recognized in our consolidated statement of operations. Any hedge ineffectiveness, which at December 31, 2018 was not significant, is recognized immediately in our consolidated statement of operations. At

December 31, 2018, we recorded \$2.1 of derivative assets in other current assets and \$16.3 of derivative liabilities in accrued and other current liabilities (December 31, 2017 — \$12.9 of derivative assets in other current assets and \$2.6 of derivative liabilities in accrued and other current liabilities). The unrealized gains or losses are a result of fluctuations in foreign exchange rates between the contract execution and period-end date.

Certain forward contracts to trade U.S. dollars do not qualify as hedges, most significantly certain Canadian dollar contracts, and we have marked these contracts to market each period in our consolidated statement of operations. 22.CAPITAL DISCLOSURES:

Our main objectives in managing our capital resources are to ensure liquidity and to have funds available for working capital or other investments we determine are required to grow our business. Our capital resources consist of cash provided by operating activities, access to the New Revolver, intraday and overnight bank overdraft facilities, an accounts receivable sales program, the SFP (while available) and our ability to issue debt or equity securities. We regularly review our borrowing capacity and make adjustments, as permitted, for changes in economic conditions and changes in our requirements. In June 2018, we entered into our \$800.0 New Credit Facility, which provides for the \$350.0 June Term Loan that matures in June 2025, and the \$450.0 New Revolver that matures in June 2023. In November 2018, we utilized the accordion feature under our New Credit Facility to add the incremental \$250.0 November Term Loan, maturing in June 2025. The New Credit Facility has an accordion feature that allows us to increase the term loans and/or revolving loan commitments thereunder by approximately \$110, plus an unlimited amount to the extent that a specified leverage ratio on a pro forma basis does not exceed specified limits, in each case on an uncommitted basis and subject to the satisfaction of certain terms and conditions. The New Revolver also includes a \$50.0 sub-limit for swing line loans, providing for short-term borrowings up to a maximum of ten business days, as well as a \$150.0 sub-limit for letters of credit, in each case subject to the overall revolving credit limit. See note 12 for amounts outstanding under the New Credit Facility at December 31, 2018. We had \$269.7 available as of December 31, 2018 under the New Revolver for future borrowings. We also have access to \$132.8 in intraday and overnight bank overdraft facilities, and we may sell up to \$250.0 in accounts receivable, on an uncommitted basis, under an accounts receivable sales program, and/or utilize the uncommitted SFP, if available, to provide short-term liquidity. See note 5. At December 31, 2018, we sold \$130.0 of our accounts receivable under our accounts receivable sales program and \$50.0 under the SFP. The timing and amounts we may borrow and repay under these facilities can vary significantly from month-to-month depending on our working capital and other cash requirements. We have commenced NCIBs or SIBs in the past few years, pursuant to which we are permitted to or have repurchased and canceled subordinate voting shares. See note 13 for details, In addition, we have purchased subordinate voting shares from time-to-time in the open market through a broker for delivery under our stock-based compensation plans. We have not distributed, nor do we have any current plan to distribute, any dividends to our shareholders. Our strategy on capital risk management has not changed significantly since the end of 2017. Other than the restrictive and financial covenants associated with the New Credit Facility described in note 12, we are not subject to any contractual or regulatory capital requirements. While some of our international operations are subject to government restrictions on the flow of capital into and out of their jurisdictions, these restrictions have not had a material impact on our operations or cash flows.

## 23. WEIGHTED AVERAGE NUMBER OF SHARES DILUTED (in millions):

Weighted average number of shares (basic) 2016 2017 2018

Dilutive effect of outstanding awards under stock-based compensation plans 2.1 2.1 1.2

Weighted average number of shares (diluted) 143.9 145.2 140.6

For the year ended December 31, 2018, we excluded 0.3 million of stock options (year ended December 31, 2017 - 0.2 million; year ended December 31, 2016 - 0.3 million) from the diluted weighted average per share calculation as they were out-of-the-money.

References to shares in this note 23 are to our subordinate voting shares and our multiple voting shares taken collectively.

# NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

# 24. COMMITMENTS, CONTINGENCIES AND GUARANTEES: At December 31, 2018, we have commitments that require future minimum statements.

ve commitments that require future minimum payments as follows:

At Decembe	r 31, 2018,	we have
Finance	Operating	Other
Leases	Leases	Other
201\$\\$3.8	\$ 31.5	\$19.7
20203.3	23.7	19.7
2022.8	14.5	16.5
20221.4	9.5	13.7
20230.4	6.6	13.5
Thereafter	21.6	37.7
Total		
future <sub>1.7</sub>	\$ 107.4	\$120.8
minimum	φ 107. <del>4</del>	φ120.6
payments		
Less:		
amount		
representing		
inter(ek.13)		
for		
finance		
leases		
Present		
value		
of		
future		
minimum 10.4		
finance		
lease		
payments		
(note		
12)		
Less:		
current		
portion		
of (3.2)		
finance		
lease		
obligations		
Long-term		
portion		
~ <b>c</b>		
finance \$7.2		
lease		

obligations

Our operating lease commitments primarily relate to premises. Our finance lease commitments relate to equipment. See note 2 for a description of IFRS 16, which brings most leases on-balance sheet for lessees under a single model, eliminating the distinction between operating and finance leases, which became effective January 1, 2019. Other commitments represent obligations under IT support agreements, including a new 10-year agreement that we signed with one of our IT service providers in December 2018.

As at December 31, 2018, we had committed \$33.6 for capital expenditures, principally for machinery and equipment to support new customer programs.

We have contingent liabilities in the form of letters of credit, letters of guarantee and surety bonds (collectively, Guarantees) which we have provided to various third parties. The foregoing Guarantees cover various payments, including customs and excise taxes, utility commitments and certain bank guarantees. At December 31, 2018, we had \$35.7 of Guarantees (December 31, 2017 — \$36.8), including \$21.3 (December 31, 2017 — \$23.2) of letters of credit outstanding under our applicable revolving facility.

We are required to make contributions under our pension and non-pension post-employment benefit plans (see note 19), and quarterly mandatory principal repayments under the New Term Loans (see note 12). See note 21 for our obligations under the foreign exchange contracts we held at December 31, 2018. We are also required to make interest payments on amounts outstanding under the New Credit Facility and under our interest rate swap agreements, the amounts under the swap to be determined based on market rates at the time the interest payments are due (see notes 12 and 21).

In addition to the Guarantees, we provide routine indemnifications, the terms of which range in duration and often are not explicitly defined. These may include indemnifications against third-party intellectual property infringement claims and certain third-party negligence claims for property damage. We have also provided indemnifications in connection with the sale of certain businesses and real property. The maximum potential liability from these indemnifications cannot be reasonably estimated. In some cases, we have recourse against other parties to mitigate our risk of loss from these indemnifications. Historically, we have not made significant payments relating to these types of indemnifications.

## Litigation:

In the normal course of our operations, we may be subject to lawsuits, investigations and other claims, including environmental, labor, product, customer disputes and other matters. Management believes that adequate provisions have been recorded where required. Although it is not always possible to estimate the extent of potential costs, if any, management believes

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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that the ultimate resolution of all such pending matters will not have a material adverse impact on our financial performance, financial position or liquidity.

## Income taxes:

We are subject to tax audits of historical information by tax authorities in various jurisdictions, which could result in additional tax expense in future periods relating to prior results. Reviews by tax authorities generally focus on, but are not limited to, the validity of our inter-company transactions, including financing and transfer pricing policies which generally involve subjective areas of taxation and a significant degree of judgment. If any of these tax authorities are successful with their challenges, our income tax expense may be adversely affected and we could also be subject to interest and penalty charges.

The successful pursuit of assertions made by any taxing authority could result in our owing significant amounts of tax, interest and possibly penalties. We believe we adequately accrue for any probable potential adverse tax ruling. However, there can be no assurance as to the final resolution of any claims and any resulting proceedings. If any claims and any ensuing proceedings are determined adversely to us, the amounts we may be required to pay could be material, and could be in excess of amounts accrued.

#### Other matters:

In 2017, the Brazilian Ministry of Science, Technology, Innovation and Communications (MCTIC) issued assessments seeking to disqualify certain amounts of research and development (R&D) expenses for the years 2006 to 2009, which entitled our Brazilian subsidiary (which ceased operations in 2009) to charge reduced sales tax levies to its customers. The assessments against our Brazilian subsidiary (including interest and penalties) total approximately 39 million Brazilian real (approximately \$10 at year-end exchange rates) for such years. Although we cannot predict the outcome of this matter, we believe that our R&D activities for the period are supportable, and it is probable that our position will be sustained upon full examination by the appropriate Brazilian authorities and, if necessary, upon consideration by the Brazilian judicial courts. Our position is supported by our Brazilian legal advisers.

25. SEGMENT AND GEOGRAPHIC INFORMATION:

Operating segments are defined as components of an enterprise that engage in business activities from which they may earn revenue and incur expenses; for which discrete financial information is available; and whose operating results are regularly reviewed by the chief operating decision maker in deciding how to allocate resources and to assess performance. No operating segments have been aggregated to determine our reportable segments.

During the first quarter of 2018, we completed a reorganization of our reporting structure, including our sales, operations and management systems, into two operating and reportable segments: ATS and CCS. Prior to this reorganization, we operated in one reportable segment (Electronic Manufacturing Services), which was comprised of multiple end markets (ATS, Communications and Enterprise during 2017). The change in operating and reportable segments was a result of modifications to our organizational and internal management structure which were initiated in 2017 to streamline business operations and improve profitability and competitiveness, and were completed in early 2018. As a result of these modifications, and commencing in the first quarter of 2018, our Chief Executive Officer (CEO), who is our chief operating decision maker, reviews segment revenue, segment income and segment margin (described below) to assess performance and make decisions about resource allocation. Our prior period financial information has been reclassified to reflect the reorganized segment structure and to conform to the current presentation. The foregoing changes had no impact on our historical consolidated financial position, results of operations or cash flows as previously reported.

Factors considered in determining the two reportable segments included the nature of applicable business activities, management structure, market strategy and margin profiles. Our ATS segment consists of our ATS end market, and is comprised of our aerospace and defense, industrial, smart energy, healthtech, and capital equipment (including semiconductor, display, and power & signal distribution equipment) businesses. Products and services in this segment

are extensive and are often more regulated than in our CCS segment, and can include the following: government-certified and highly-specialized manufacturing, electronic and enclosure-related services for aerospace and defense-related customers; high-precision equipment and integrated subsystems used in the manufacture of semiconductors and displays; a wide range of industrial automation, controls, test and

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(in millions of U.S. dollars, except percentages and per share amounts)

measurement devices; advanced solutions for surgical instruments, diagnostic imaging and patient monitoring; and efficiency products to help manage and monitor the energy and power industries. Our ATS segment businesses typically have a higher margin profile and longer product life cycles than the businesses in our CCS segment. Our CCS segment consists of our Communications and Enterprise end markets, and is comprised of our enterprise communications, telecommunications, servers and storage businesses. Products and services in this segment consist predominantly of enterprise-level data communications and information processing infrastructure products, and can include routers, switches, servers and storage-related products used by a wide range of businesses and cloud-based service providers to manage digital connectivity, commerce and social media applications. Our CCS segment businesses typically have a lower margin profile and higher volumes than the businesses in our ATS segment, and have been impacted in recent periods (and continue to be impacted) by aggressive pricing, rapid shifts in technology, model obsolescence and the commoditization of certain products.

Segment performance is evaluated based on segment revenue, segment income and segment margin (segment income as a percentage of segment revenue). Revenue is attributed to the segment in which the product is manufactured or the service is performed. Segment income is defined as a segment's net revenue less its cost of sales and its allocable portion of selling, general and administrative expenses and research and development expenses (collectively, Segment Costs). Identifiable Segment Costs are allocated directly to the applicable segment while other Segment Costs, including indirect costs and certain corporate charges, are allocated to our segments based on an analysis of the relative usage or benefit derived by each segment from such costs. Segment income excludes finance costs (net of refund interest), employee stock-based compensation expense, amortization of intangible assets (excluding computer software), net restructuring, impairment and other charges (recoveries), other solar charges, and recognized fair value adjustments for inventory acquired in connection with acquisitions (see note 3), as these costs and charges are managed and reviewed by the CEO at the company level. Net restructuring, impairment and other charges (recoveries) include, in applicable periods, restructuring charges (recoveries), impairment charges (recoveries), Acquisition Costs, legal settlements (recoveries), Toronto transition costs (recoveries), and the accelerated amortization of unamortized deferred financing costs. Our segments do not record inter-segment revenue. Although segment income and segment margin are used to evaluate the performance of our segments, we may incur operating costs in one segment that may also benefit the other segment. Our accounting policies for segment reporting are the same as those applied to the company as a whole.

Our revenue fluctuates from period-to-period depending on numerous factors, including but not limited to: the mix and complexity of the products or services we provide, the extent, timing and rate of new program wins, and the execution of our programs and services, follow-on business, program completions or losses, the phasing in or out of programs, the success in the marketplace of our customers' products, changes in customer demand, and the seasonality of our business. We expect that the pace of technological change, the frequency of customers transferring business among EMS competitors, the level of outsourcing by customers (including decisions to insource), and the dynamics of the global economy will also continue to impact our business from period-to-period.

Information regarding each reportable segment for the periods indicated is set forth below:

Revenue by segment: Year ended December 31

**ATS** 

2016 2017 2018

% of % of % of total total
\$1,954.232 % \$1,958.632 % \$2,209.733 %

CCS	4,092.4 68 %	4,184.1 68 %	4,423.5 67 %
Total	\$6,046.6	\$6,142.7	\$6,633.2

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(in millions of U.S. dollars, except percentages and per share amounts)

Segment income, segment margin, and reconciliation of segment income to IFRS earnings before income taxes:	Year ended December 31								
C	2016			2017			2018		
		Seg	men	t	Segment		t	Seg	ment
		Mai	rgin		Margin			Margin	
ATS segment income and margin	\$73.9	3.8	%	\$96.8	4.9	%	\$102	54.6	%
CCS segment income and margin	149.3	3.6	%	120.4	2.9	%	111.4	2.5	%
Total segment income	223.2			217.2			213.9		
Reconciling items:									
Finance costs, net of refund interest	(4.3	)		10.1			24.4		
Employee stock-based compensation expense	33.0			30.1			33.4		
Amortization of intangible assets (excluding computer software)	6.0			5.5			11.6		
Net restructuring, impairment and other charges (note 16)	25.5			37.0			61.0		
Inventory fair value adjustment (note 3)							1.6		
Other solar charges (inventory and A/R write-down)				1.4					
IFRS earnings before income taxes	\$163.0	)		\$133.	1		\$81.9		

The following table details our external revenue allocated by manufacturing location among countries that generated in excess of 10% of total revenue for the years indicated:

Year ended

December 31

2016 2017 2018

Thailand 36% 34% 32%

China 21% 21% 20%

Malaysia 13 % 12 % 12 %

The following table details our allocation of property, plant and equipment among countries that exceeded 10% of total property, plant and equipment for the years indicated:

Decem	ber 31
2017	2018
23 %	19 %
19 %	16 %
16 %	13 %
16 %	15 %
*	15 %
*	*
	2017 23 % 19 % 16 % 16 %

\* Less than 10%.

#### NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

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The following table details our allocation of intangible assets and goodwill among countries that exceeded 10% of total intangible assets and goodwill for the years indicated:

December 31

2017 2018

United States 53 % 96 %

Malaysia 18 % \*

Canada 18 % \*

\* Less than 10%.

For purposes of the foregoing table, intangible assets and goodwill acquired as part of our Atrenne and Impakt acquisitions have been allocated to the United States in 2018, however, the Impakt intangible assets and goodwill allocation will be adjusted when the final valuation is completed in the first half of 2019.

#### **Customers:**

We had two customers that individually represented more than 10% of total revenue in 2018. Cisco Systems accounted for 14% of total revenue in 2018 (2017 — 18%; 2016 — 19%) and Dell Technologies accounted for 10% of total revenue in 2018 (2017 and 2016 — less than 10%). At December 31, 2018, we had two customers that individually represented more than 10% of total accounts receivable. These customers are all in our CCS segment.

We had two customers (from our CCS segment) that individually represented more than 10% of total revenue in 2017. In aggregate, those customers comprised 31% of total revenue. At December 31, 2017, we had two customers (one from each of our segments) that individually represented more than 10% of total accounts receivable.

We had two customers (from our CCS segment) that individually represented more than 10% of total revenue in 2016. In aggregate, those customers comprised 30% of total revenue. At December 31, 2016, we had two customers (one from each of our segments) that individually represented more than 10% of total accounts receivable.