# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### FORM 10-K

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<b>7</b>	ANNUAL REPORT PURS	SUANT TO SECTION 13 OR 15(d) (	OF THE SECURITIES EXCHANGE ACT OF
		For the fiscal year ended <u>Octol</u> or	<u>ber 31, 2019</u>
	TRANSITION REPORT PU 1934	JRSUANT TO SECTION 13 OR 15(d)	OF THE SECURITIES EXCHANGE ACT OF
		For the transition period fromt	to
		Commission File Number: 1-892	<u>29</u>
		ABM	
		Building Value	
	ABMI	NDUSTRIES INCO	
		(Exact name of registrant as specified in i	is charter)
	Delaware	• 🐝 •	94-1369354
	(State or other jurisdiction of incorporation or organization)	So.	(I.R.S. Employer Identification No.)
		One Liberty Plaza, 7 <sup>th</sup> Floor New York, New York 10006	_
		(Address of principal executive office	ces)
		(212) 297-0200	
		(Registrant's telephone number, including	area code)
		Securities registered pursuant to Section 12(	(b) of the Act:
	Title of each class	Trading Symbol	Name of each exchange on which registered
	Common Stock, \$0.01 par value	ABM	New York Stock Exchange
			_
	9	ecurities registered pursuant to Section 12(g)	of the Act: None
	9	countries registered pursuant to occitor 12(g)	01 110 7 101. 110110

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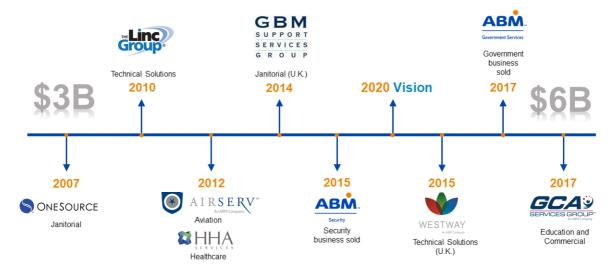
#### FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K for ABM Industries Incorporated and its subsidiaries (collectively referred to as "ABM," "we," "us," "our," or the "Company") contains both historical and forward-looking statements, within the meaning of the Private Securities Litigation Reform Act of 1995, that involve risks and uncertainties. We make forward-looking statements related to future expectations, estimates, and projections that are uncertain and often contain words such as "anticipate," "believe," "could," "estimate," "expect," "forecast," "intend," "likely," "may," "outlook," "plan," "predict," "should," "target," or other similar words or phrases. These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and assumptions that are difficult to predict. Factors that might cause such differences include, but are not limited to, those discussed in Part 1 of this Form 10-K under Item 1A., "Risk Factors," and we urge readers to consider these risks and uncertainties in evaluating our forward-looking statements. We caution readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events, or otherwise, except as required by law.

#### ITEM 1. BUSINESS.

#### General

ABM Industries Incorporated, which operates through its subsidiaries (collectively referred to as "ABM," "we," "us," "our," or the "Company"), is a leading provider of integrated facility solutions with a mission to make a difference, every person, every day. Our history dates back to 1909, when American Building Maintenance Company began as a window washing company in San Francisco with one employee. In 1985, we were incorporated in Delaware under the name American Building Maintenance Industries, Inc., as the successor to the business originally founded in 1909. In 1994, we changed our name to ABM Industries Incorporated. Over the past twelve years, we have grown into a multi-segment facility solutions company, primarily through strategic acquisitions and new service offerings, increasing our revenue from \$3 billion to more than \$6 billion.



The acquisition of OneSource in 2007 bolstered ABM as a leader in the janitorial market, while the Linc Group acquisition in 2010 established ABM as a "facility solutions" company with new service offerings, including lighting, mechanical, and electrical "technical solutions." With demand increasing for industry-specific service providers, in 2012 we purchased Air Serv and established our first industry group, "aviation." In recent years, we have strategically acquired companies in the United Kingdom, particularly with the GBM and Westway acquisitions, which expanded our janitorial and technical solutions businesses overseas. In 2017, we acquired GCA Services Group ("GCA"), a provider of integrated facility services to educational institutions and commercial facilities, for approximately \$1.3 billion, the largest acquisition in ABM history. As a result of this acquisition, we are now a leading facility solutions provider in the education market. In recent years, we also evaluated all of our service offerings and sold our Security and Government Services businesses, which did not align with our long-term focus on industry groups.

Additionally, in 2015 we began a comprehensive transformational initiative ("2020 Vision") to drive long-term, profitable growth through an industry-based go-to-market approach. As part of this initiative, we centralized key functional areas, strengthened our sales capabilities, and initiated investments in service delivery tools and processes to help support standard operating practices that we believe are foundational to our long-term success.

As a result of these strategic changes, we have strengthened our ability to offer Janitorial, Parking, Facilities Services, Building & Energy Solutions, and Airline Services, on a standalone basis or in combination, and positioned ourselves as a leading integrated facilities management company.

Unless otherwise indicated, all references to years are to our fiscal year, which ends on October 31.

#### **Contract Types**

We generate revenues under several types of contracts, as explained below. Generally, the type of contract is determined by the nature of the services. Although many of our service agreements are cancelable on short notice, we have historically had a high rate of client retention and expect to continue maintaining long-term relationships with our clients. See Note 2, "Basis of Presentation and Significant Accounting Policies," in the Notes to Consolidated Financial Statements for additional information regarding the contract types that are most common in each of our service lines.

Contract Type	Description
Monthly Fixed-Price	These arrangements are contracts in which the client agrees to pay a fixed fee every month over a specified contract term.
Square-Foot	Monthly square-foot arrangements are contracts in which the client agrees to pay a fixed fee every month based on the actual square footage serviced over a specified contract term.
Cost-Plus	These arrangements are contracts in which the clients reimburse us for the agreed-upon amount of wages and benefits, payroll taxes, insurance charges, and other expenses associated with the contracted work, plus a profit margin.
Tag Services	Tag services (work orders) generally consist of supplemental services requested by clients outside of the standard service specification and includes cleanup after tenant moves, construction cleanup, flood cleanup, and snow removal.
Transaction-Price	These are arrangements in which customers are billed a fixed price for each transaction performed on a monthly basis (e.g., wheelchair passengers served or airplane cabins cleaned).
Hourly	In hourly arrangements, the client is billed a fixed hourly rate for each labor hour provided.
Management Reimbursement	Under these parking arrangements, we manage a parking facility for a management fee and pass through the revenue and expenses associated with the facility to the owner.
Leased Location	Under these parking arrangements, we pay a fixed amount of rent plus a percentage of revenues derived from monthly and transient parkers to the property owner. We retain all revenues received and are responsible for most operating expenses incurred.
Allowance	Under these parking arrangements, we are paid a fixed amount or hourly fee to provide parking services, and we are responsible for certain operating expenses, as specified in the contract.
Energy Savings Contracts and Fixed- Price Repair and Refurbishment	Under these arrangements, we agree to develop, design, engineer, and construct a project. Additionally, as part of bundled energy solutions arrangements, we guarantee the project will satisfy agreed-upon performance standards.
Franchise	We franchise certain engineering services through individual and area franchises under the Linc Service and TEGG brands, which are part of ABM Technical Solutions.

#### **Segment and Geographic Financial Information**

Our current reportable segments consist of Business & Industry ("B&I"), Aviation, Technology & Manufacturing ("T&M"), Education, and Technical Solutions. Refer to Note 2, "Basis of Presentation and Significant Accounting Policies," in the Notes to the Consolidated Financial Statements for information related to the modification in our presentation of inter-segment revenues and the reorganization of our Healthcare business into our other industry groups, primarily B&I, during 2019. For segment and geographic financial information, see Note 19, "Segment and Geographic Information," in the Notes to Consolidated Financial Statements.

RE	EPORTABLE SEGMENTS AND DESCRIPTIONS
	B&I, our largest reportable segment, encompasses janitorial, facilities engineering, and parking services for commercial real estate properties, sports and entertainment venues, and traditional hospitals and non-acute healthcare facilities. B&I also provides vehicle maintenance and other services to rental car providers. We typically provide services in this segment pursuant to monthly fixed-price, square-foot, cost-plus, and parking arrangements (i.e., management reimbursement, leased location, or allowance) that are obtained through a competitive bid process as well as pursuant to tag services.
	Aviation supports airlines and airports with services ranging from parking and janitorial to passenger assistance, catering logistics, air cabin maintenance, and transportation. We typically provide services to clients in this segment under master services agreements. These agreements are typically re-bid upon renewal and are generally structured as monthly fixed-price, square-foot, cost-plus, parking, transaction-price, and hourly arrangements. Two clients accounted for approximately 27% of revenues for this segment in 2019.
	T&M provides janitorial, facilities engineering, and parking services to industrial and high-tech manufacturing facilities. We typically provide these services pursuant to monthly fixed-price, square-foot, cost-plus, and parking arrangements that are obtained through a competitive bid process as well as pursuant to tag services.
	Education delivers janitorial, custodial, landscaping and grounds, facilities engineering, and parking services for public school districts, private schools, colleges, and universities. These services are typically provided pursuant to monthly fixed-price, square-foot, and cost-plus arrangements that are obtained through either a competitive bid process or re-bid upon renewal as well as pursuant to tag services.
	Technical Solutions specializes in mechanical and electrical services. These services can also be leveraged for cross-selling across all of our industry groups, both domestically and internationally. Contracts for this segment are generally structured as energy savings and fixed-price repair and refurbishment contracts and franchise arrangements.

#### Service Marks, Trademarks, and Trade Names

We hold various service marks, trademarks, and trade names, such as "ABM," "ABM Building Value," "ABM Greencare," "Linc Service," "MPower," "OmniServ," and "TEGG," which we deem important to our marketing activities, to our business, and, in some cases, to the franchising activities conducted by our Technical Solutions segment.

#### **Dependence on Significant Client**

No client accounted for more than 10% of our consolidated revenues during 2019, 2018, or 2017.

#### Competition

We believe that each aspect of our business is highly competitive and that such competition is based primarily on price, quality of service, efficiency enhancements, adapting to changing workplace conditions, and ability to anticipate and respond to industry changes. A majority of our revenue is derived from projects requiring competitive bids; however, an invitation to bid is often conditioned upon prior experience, industry expertise, and financial strength. The low cost of entry in the facility services business results in a very competitive market. We mainly compete with regional and local owner-operated companies that may have more acute vision into local markets and significantly lower labor and overhead costs, providing them with competitive advantages in those regards. We also compete indirectly with companies that can perform for themselves one or more of the services we provide.

#### Sales and Marketing

Our sales and marketing activities include digital engagement and direct interactions with prospective and existing clients, pricing, proposal management, and customer relationship management by dedicated business development teams, operations personnel, and management. These activities are executed by branch and regional sales, marketing, and operations teams assigned to our industry groups and are supported by centralized sales support teams, inside sales teams, corporate marketing personnel, and our Center of Excellence teams. These sales and marketing teams acquire, nurture, and manage leads, as well as train personnel on sales tools and proposal systems, all governed by standard operating procedures.

#### **Regulatory Environment and Environmental Compliance**

Our operations are subject to various federal, state, and/or local laws regulating the discharge of materials into the environment or otherwise relating to the protection of the environment, such as discharge into soil, water, and air, and the generation, handling, storage, transportation, and disposal of waste and hazardous substances. From time to time we are involved in environmental matters at certain of our locations or in connection with our operations. Historically, the cost of complying with environmental laws or resolving environmental issues relating to locations or operations in the United States or abroad has not had a material adverse effect on our financial position, results of operations, or cash flows.

#### **Corporate Responsibility and Sustainability**

As a company with more than 110 years' experience, we understand the need to embed corporate responsibility into our business practices to create value and support the long-term success of our business, shareholders, clients, and team members.

Our strategy has evolved over the years to align with our stakeholders' expectations regarding environmental, social, and governance policies. Recently, we have established three strategic axes of our sustainability strategy based on the topics that are most material to our business: doing business in a responsible way and creating value for clients; improving our value chain continuously; and positively impacting the ecosystem.

Since 2011, we have voluntarily published a Sustainability Report on an annual basis in alignment with the Global Reporting Initiative framework to address our business, our team members, and the environment. More information can be found in the corporate sustainability section of our corporate website.

#### **Employees**

As of October 31, 2019, we employed approximately 140,000 persons, of which approximately 45,000, or 32%, were subject to various local collective bargaining agreements.

#### **Available Information**

Our corporate website is *www.abm.com*. The content on any website referred to in this filing does not constitute, and should not be viewed as, a part of this Annual Report, and our website is not incorporated into this or any of our other filings with the Securities and Exchange Commission ("SEC"). We make available free of charge through our website our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, proxy statements, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 as soon as reasonably practicable after such reports are electronically filed with or furnished to the SEC. Additionally, the SEC maintains a website at *www.sec.gov* that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

#### **Executive Officers of Registrant**

#### Executive Officers on December 20, 2019

Name	Age	Principal Occupations and Business Experience
Scott Salmirs	57	President and Chief Executive Officer of ABM since March 2015; Executive Vice President of ABM from September 2014 to March 2015, with global responsibility for ABM's Aviation division and all international activities; Executive Vice President of ABM's Onsite Services division focused on the Northeast from 2003 to September 2014; Member of the Board of Directors of ABM since January 2015.
D. Anthony Scaglione	47	Executive Vice President and Chief Financial Officer of ABM since April 2015; Senior Vice President, Treasurer, and Head of Mergers and Acquisitions of ABM from January 2012 to April 2015; Vice President and Treasurer of ABM from June 2009 to January 2012; Chairman of the Board of the Association for Financial Professionals (AFP), the professional society that represents finance executives across the globe, from November 2014 to October 2016.
Andrew D. Block	51	Executive Vice President and Chief Human Resources Officer of ABM since June 2018; Senior Vice President, Talent and Organizational Performance (Chief HR Officer) of Buffalo Wild Wings, Inc. from April 2010 to June 2018; Director of Human Resources of C.H. Robinson Worldwide, Inc. from December 2002 to April 2010.
Joshua H. Feinberg	45	Executive Vice President, Chief Strategy and Transformation Officer of ABM since November 2019; Managing Director and Partner of The Boston Consulting Group from July 2014 to November 2019; Principal of The Boston Consulting Group from February 2011 to July 2014; Project Leader of The Boston Consulting Group from August 2009 to February 2011.
Scott Giacobbe	57	Executive Vice President and Chief Revenue Officer of ABM since October 2019; Chief Operating Officer of ABM from November 2017 to October 2019; President of ABM's U.S. Technical Solutions from November 2010 to November 2017.
Rene Jacobsen	58	Executive Vice President and Chief Facilities Services Officer of ABM since October 2019; President of ABM's Business & Industry Group from February 2016 to October 2019; Executive Vice President of ABM's West Region from April 2012 to February 2016; Executive Vice President and Chief Operating Officer of Temco Service Industries from November 2007 to April 2012.
Andrea R. Newborn	56	Executive Vice President, General Counsel, and Corporate Secretary of ABM since July 2017; Executive Vice President and General Counsel of TravelClick, Inc. from July 2014 to June 2017; Senior Vice President, General Counsel, and Secretary of The Reader's Digest Association, Inc. from March 2007 to February 2014.
Dean A. Chin	51	Senior Vice President, Chief Accounting Officer, and Corporate Controller of ABM since June 2010; Vice President and Assistant Controller of ABM from June 2008 to June 2010.

#### ITEM 1A. RISK FACTORS.

#### **Risks Relating to Our Strategy and Operations**

#### Our success depends on our ability to gain profitable business despite competitive market pressures.

Each aspect of our business is highly competitive and such competition is based primarily on price, quality of service, and ability to anticipate and respond to industry changes. A majority of our revenue is derived from services that require competitive bids. The low cost of entry in the facility services business results in a very competitive market. We compete mainly with regional and local owner-operated companies that may have more acute vision into local markets and significantly lower labor and overhead costs, providing them with a competitive advantage in those regards. We also compete indirectly with companies that can perform for themselves one or more of the services we provide. Further, if we are unable to respond adequately to changing technology, we may lose existing clients and fail to win future business opportunities. A failure to respond effectively to competitive pressures or failure in our ability to increase prices as costs rise could reduce margins and materially adversely affect our financial performance.

### Our business success depends on our ability to attract and retain qualified personnel and senior management and to manage labor costs.

Our future performance depends on the continuing services and contributions of our senior management and on our continued ability to attract and retain qualified personnel. Any unplanned turnover in senior management or inability to attract and retain qualified personnel could have a negative effect on our results of operations. We employ approximately 140,000 persons, and our operations depend on the services of a large and diverse workforce. We must attract, train, and retain a large and growing number of qualified employees while controlling related labor costs. Our ability to control labor and benefit costs is subject to numerous internal and external factors, including changes in the unemployment rate, changes in immigration policy, regulatory changes, prevailing wage rates, and competition we face from other companies for qualified employees. Further, many of our contracts provide that our clients pay certain costs at specified rates, such as insurance, healthcare costs, salary and salary-related expenses, and other costs. If actual costs exceed the rates specified in the contracts, our profitability may be negatively impacted. There is no assurance that in the future we will be able to attract or retain qualified employees or effectively manage labor and benefit costs, which could have a material adverse effect on our business, financial condition, and results of operations.

#### Our ability to preserve long-term client relationships is essential to our continued success.

We primarily provide services pursuant to agreements that are cancelable by either party upon 30–90 days' notice. As we generally incur higher initial costs on new contracts until the labor management and facilities operations normalize, our business associated with long-term client relationships is generally more profitable than short-term client relationships. If we lose a significant number of long-term clients, our profitability could be negatively impacted, even if we gain equivalent revenues from new clients.

We depend to a large extent on our relationships with clients and our reputation for quality integrated facility solutions. Maintaining our existing client relationships is an important factor contributing to our business success. Among other things, adverse publicity stemming from an accident or other incident involving our facility operations or employees related to injury, illness, death, or alleged criminal activity could harm our reputation, result in the cancellation of contracts or inability to retain clients, and expose us to significant liability.

Changes to our businesses, operating structure, financial reporting structure, or personnel relating to the implementation of strategic transformations, enhanced business processes, and technology initiatives may not have the desired effects on our financial condition and results of operations.

We may periodically engage in various initiatives intended to drive long-term profitable growth and increase operational efficiency. Planned changes to our business systems and processes may not create the operational efficiencies or cost benefits that we expect and could result in unanticipated consequences, including substantial disruption to our back-office operations and service delivery.

We may not be able to fully execute on such initiatives to the extent expected within the anticipated timeframe as a result of numerous factors, such as client resistance, inability to deliver requested end-to-end services, and difficulty penetrating certain markets. Moreover, these initiatives may not provide us with anticipated competitive advantage or revenue growth.

Acquisitions, divestitures, and other strategic transactions could fail to achieve financial or strategic objectives, disrupt our ongoing business, and adversely impact our results of operations.

In furtherance of our business strategy, we routinely evaluate opportunities and may enter into agreements for possible acquisitions, divestitures, or other strategic transactions. In the past, a significant portion of our growth has been generated by acquisitions, and we may continue to acquire businesses in the future as part of our growth strategy. However, we may encounter challenges identifying opportunities in a timely manner or on terms acceptable to us. Furthermore, there is no assurance that any such transaction will result in synergistic benefits. A potential acquisition, divestiture, or other strategic transaction may involve a number of risks including, but not limited to:

- the transaction may not effectively advance our business strategy, and its anticipated benefits may never materialize;
- · our ongoing operations may be disrupted, and management time and focus may be diverted;
- clients or key employees of an acquired business may not remain, which could negatively impact our ability to grow that acquired business:
- integration of an acquired business's accounting, information technology, human resources, and other administrative systems may fail to permit effective management and expense reduction;
- unforeseen challenges may arise in implementing internal controls, procedures, and policies;
- additional indebtedness incurred as a result of an acquisition may impact our financial position, results of operations, and cash flows;
   and
- unanticipated or unknown liabilities may arise related to an acquired business.

We manage our insurable risks through a combination of third-party purchased policies and self-insurance, and we retain a substantial portion of the risk associated with expected losses under these programs, which exposes us to volatility associated with those risks, including the possibility that adjustments to our ultimate insurance loss reserves could result in material charges against our earnings.

We use a combination of insured and self-insurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks. We are responsible for claims both within and in excess of our retained limits under our insurance policies, and while we endeavor to purchase insurance coverage that is appropriate to our assessment of risk, we are unable to predict with certainty the frequency, nature, or magnitude of claims for direct or consequential damages. If our insurance coverage proves to be inadequate or unavailable, our business may be negatively impacted.

The determination of required insurance reserves is dependent upon actuarial judgments. We use the results of actuarial studies to estimate insurance rates and insurance reserves for future periods and to adjust reserves, if appropriate, for prior years. Actual experience related to our insurance reserves can cause us to change our estimates for reserves and any such changes may materially impact results, causing significant volatility in our operating results. We have previously experienced material adjustments to reserves resulting from negative trends in our actuarial estimates, and we may continue to experience these and other material negative trends in future periods.

Should we be unable to renew our excess, umbrella, or other commercial insurance policies at competitive rates, it could have a material adverse impact on our business, as would the incurrence of catastrophic uninsured claims or the inability or refusal of our insurance carriers to pay otherwise insured claims. Further, to the extent that we self-insure our losses, deterioration in our loss control and/or our continuing claim management efforts could increase the overall cost of claims within our retained limits. A material change in our insurance costs due to changes in the frequency of claims, the severity of the claims, the costs of excess/umbrella premiums, or regulatory changes could have a material adverse effect on our financial position, results of operations, or cash flows.

In 2015, we formed a wholly-owned captive insurance company, IFM Assurance Company ("IFM"), which we believe has provided us with increased flexibility in the end-to-end management of our insurance program. There can be no assurance that IFM will continue to bring about the intended benefits or the desired flexibility in the management of our insurance programs, because we may experience unanticipated events that will reduce or eliminate expected benefits, including anticipated savings related to coverage provided by IFM to our subsidiaries.

### Our risk management and safety programs may not have the intended effect of reducing our liability for personal injury or property loss.

We attempt to mitigate risks relating to personal injury or property loss through the implementation of company-wide safety and loss control efforts designed to decrease the incidence of accidents or events that might increase our liability. It is expected that any such decrease would also have the effect of reducing our insurance costs for our casualty programs. However, incidents involving personal injury or property loss may be caused by multiple potential factors, a significant number of which are beyond our control. Therefore, there can be no assurance that our risk management and safety programs will have the desired effect of controlling costs and liability exposure.

### Our international business involves risks different from those we face in the United States that could have an effect on our results of operations and financial condition.

We have business operations in jurisdictions outside of the United States, most significantly in the United Kingdom ("U.K."). Our international operations are subject to risks that are different from those we face in the United States and subject us to complex and frequently changing laws and regulations, including differing labor laws and regulations relating to the protection of certain information that we collect and maintain about our employees, clients, and other third parties. Among these laws is the U.K. Modern Slavery Act, the U.K. Bribery Act, and the European Union General Data Protection Regulation (the "GDPR"), which took effect in May 2018. The failure to comply with these laws or regulations could subject us to significant litigation, monetary damages, regulatory enforcement actions, or fines in one or more jurisdictions. More generally, the economic, political, monetary, and operational impacts of Brexit, including unanticipated impacts to the U.K. real estate market and general economic conditions in the United Kingdom, could negatively impact our U.K. business, including reducing our margins.

In addition, when we participate in joint ventures that operate outside of the United States where we are not a controlling party, we may have limited control over the joint venture. Any improper actions by our joint venture employees, partners, or agents, including but not limited to failure to comply with the U.S. Foreign Corrupt Practices Act, the U.K. Bribery Act, and/or laws relating to human trafficking, could result in civil or criminal investigations, monetary and non-monetary penalties, or other consequences, any of which could have an adverse effect on our financial position as well as on our reputation and ability to conduct business.

Additionally, the operating results of our non-U.S. subsidiaries are translated into U.S. dollars, and those results are affected by movements in foreign currencies relative to the U.S. dollar. There can be no assurance that the foregoing factors will not have a material adverse effect on our international operations or on our consolidated financial condition and results of operations.

### Our use of subcontractors or joint venture partners to perform work under customer contracts exposes us to liability and financial risk.

We depend on subcontractors or other parties, such as joint venture partners, to perform work in situations in which we are not able to self-perform the work involved. Such arrangements may involve subcontracts or joint venture relationships where we do not have direct control over the performing party. We may be exposed to liability whenever one or more of our subcontractors or joint venture partners, for whatever reason, fails to perform or allegedly negligently performs the agreed-upon services. Although we have in place controls and programs to monitor the work of our subcontractors and our joint venture partners, there can be no assurance that these controls or programs will have the desired effect, and we may incur significant liability as a result of the actions or inactions of one or more of our subcontractors or joint venture partners.

### We may experience breaches of, or disruptions to, our information technology systems or those of our third-party providers or clients, or other compromises of our data that could adversely affect our business.

Our information technology systems and those of our third-party providers or clients could be the target of cyber attacks, hacking, unauthorized access, phishing, computer viruses, malware, or other intrusions, which could result in operational disruptions or information misappropriation, such as theft of intellectual property or inappropriate disclosure of confidential, proprietary, or personal information. We maintain confidential, proprietary, and personal information in our information technology systems and in systems of third-party providers relating to our current, former, and prospective employees, clients, and other third parties. We have experienced certain data and security breaches in the past and could experience future data or security breaches stemming from the intentional or negligent acts of our employees or other third parties. Furthermore, while we continue to devote significant resources to monitoring and updating our systems and implementing information security measures to protect our systems, there can be no assurance that the controls and procedures we have in place will be sufficient to protect us from future security breaches.

As cyber threats are continually evolving, our controls and procedures may become inadequate and we may be required to devote additional resources to modifying or enhancing our systems in the future. We may also be required to expend resources to remediate cyber-related incidents or to enhance and strengthen our cyber security.

Any such disruptions to our information technology systems, breaches or compromises of data, and/or misappropriation of information could result in lost sales, negative publicity, litigation, violations of privacy and other laws, or business delays that could have a material adverse effect on our business. Additionally, we believe that along with the GDPR and the California Consumer Privacy Act, which goes into effect on January 1, 2020, further increased regulation is likely in the area of data privacy. Compliance with this rapidly expanding area of law will require significant management and financial resources, and we could be subjected to additional legal risk or financial losses if we are not in compliance.

#### Risks Relating to Labor, Legal Proceedings, Tax, and Regulatory Matters

Unfavorable developments in our class and representative actions and other lawsuits alleging various claims could cause us to incur substantial liabilities.

Our business involves employing tens of thousands of employees, many of whom work at our clients' facilities. We incur risks relating to our employment of these workers, including but not limited to: claims of misconduct or negligence on the part of our employees; claims related to the employment of unlicensed personnel; and claims by our employees of discrimination, harassment, violations of wage and hour requirements, or violations of other federal, state, or local laws. We also incur risks and claims related to the imposition on our employees of policies or practices of our clients that may be different from our own. Some or all of these claims may lead to litigation, including class action litigation, and these matters may cause us to incur negative publicity with respect to alleged claims. Additionally, there are risks to all employers in some states, such as California, resulting from new and unanticipated judicial interpretations of existing laws and the application of those new interpretations against employers on a retroactive basis. It is not possible to predict the outcome of these lawsuits or any other proceeding, and our insurance may not cover all claims that may be asserted against us. These lawsuits and other proceedings may consume substantial amounts of our financial and managerial resources. An unfavorable outcome with respect to these lawsuits and any future lawsuits may, individually or in the aggregate, cause us to incur substantial liabilities that could have a material adverse effect upon our business, reputation, financial condition, or results of operations.

A significant number of our employees are covered by collective bargaining agreements that could expose us to potential liabilities in relationship to our participation in multiemployer pension plans, requirements to make contributions to other benefit plans, and the potential for strikes, work slowdowns or similar activities, and union organizing drives.

We participate in various multiemployer pension plans that provide defined pension benefits to employees covered by collective bargaining agreements. Because of the nature of multiemployer pension plans, there are risks to us associated with participation in these plans that differ from single-employer plans. Assets contributed by an employer to a multiemployer pension plan are not segregated into a separate account and are not restricted to provide benefits only to employees of that contributing employer. In the event another participating employer in a multiemployer pension plan no longer contributes to the plan, the unfunded obligations of the plan may be borne by the remaining participating employers, including us. In the event of the termination of a multiemployer pension plan or a complete or partial withdrawal from a multiemployer pension plan, under applicable law we could incur material withdrawal liabilities. We further discuss our participation in multiemployer pension and postretirement plans in Note 14, "Employee Benefit Plans," in the Notes to Consolidated Financial Statements. In addition, the terms of collective bargaining agreements require us to contribute to various fringe benefit plans, including health and welfare, pension, and training plans, all of which require us to have appropriate systems in place to assure timely and accurate payment of contributions. The failure to make timely and accurate contributions as a result of a systems failure could have a negative impact on our financial position.

At October 31, 2019, approximately 32% of our employees were subject to various local collective bargaining agreements, some of which will expire or become subject to renegotiation during 2020. In addition, at any given time we may face union organizing activity. When one or more of our major collective bargaining agreements becomes subject to renegotiation or when we face union organizing drives, any disagreement between us and the union on important issues may lead to a strike, work slowdown, or other job actions at one or more of our locations. In a market where we are unionized but competitors are not unionized, we could lose clients to such competitors. A strike, work slowdown, or other job action could disrupt our services, resulting in reduced revenues or contract cancellations.

Moreover, negotiating a first time collective bargaining agreement or renegotiating an existing agreement could result in a substantial increase in labor and benefits expenses that we may be unable to pass through to clients.

Our business may be materially affected by changes to fiscal and tax policies. Negative or unexpected tax consequences could adversely affect our results of operations.

The Tax Cuts and Jobs Act of 2017 (the "Tax Act") made significant changes to U.S. federal tax laws. Such changes include a reduction in the corporate tax rate as well as limitations on certain corporate deductions and credits that could have a negative impact on our business. The Tax Act requires significant judgments to be made in the interpretation of the law and significant estimates in the calculation of the provision for income taxes. However, additional guidance that may significantly differ from our interpretation of the law may be issued by the Internal Revenue Service ("IRS"), the Department of Treasury, or another governing body, which may result in a material adverse effect on our business, financial condition, results of operations, or cash flows. In addition, we are subject to tax audits by governmental authorities, primarily in the United States and United Kingdom. If we experience unfavorable results from one or more such tax audits, there could be an adverse effect on our tax rate and therefore on our net income.

#### **Risks Relating to Market and Economic Conditions**

Changes in general economic conditions, such as changes in energy prices, government regulations, or consumer preferences, could reduce the demand for facility services and, as a result, reduce our earnings and adversely affect our financial condition.

In certain geographic areas and service lines, our most profitable revenues are related to supplemental services requested by clients outside of the standard service specification ("tag work"). This contract type is commonly used in janitorial services and includes cleanup after tenant moves, construction cleanup, flood cleanup, and snow removal. A decline in occupancy rates could result in a decline in scope of work, including tag work, and depressed prices for our services. Slow domestic and international economic growth or other negative changes in global, national, and local economic conditions could have a negative impact on our business. Specifically, adverse economic conditions may result in clients cutting back on discretionary spending. Additionally, since a significant portion of our aviation services and parking revenues are tied to the volume of airline passengers, hotel guests, and sports arena attendees, results for these businesses could be adversely affected by curtailment of business, personal travel, or discretionary spending. The use of ride sharing services and car sharing services may also lead to a decline in parking demand at airports and in urban areas.

Energy efficiency projects are designed to reduce a client's overall consumption of commodities, such as electricity and natural gas. As such, downward fluctuations in commodity prices may reduce client demand for those projects. We also depend, in part, on federal and state legislation and policies that support energy efficiency projects. If current legislation or policies are amended, eliminated, or not extended beyond their current expiration dates, or if funding for energy incentives is reduced or delayed, it could also adversely affect our ability to obtain new business. In some instances, we offer certain of these clients guaranteed energy savings on installed equipment. In the event those guaranteed savings are not achieved, we may be required to pay liquidated or other damages. All of these factors could have an adverse effect on our financial position, results of operations, and cash flows.

#### **Risks Relating to Financial Matters**

#### Future increases in the level of our borrowings or in interest rates could affect our results of operations.

Although we have paid down portions of our indebtedness under our syndicated secured credit facility, our future ability to make payments on our debt, fund our other liquidity needs, and make planned capital expenditures will depend on our ability to generate cash. Our ability to generate cash, to a certain extent, is subject to general economic, financial, competitive, and other factors that are beyond our control. We cannot guarantee that our business will generate sufficient cash flow from our operations or that future borrowings will be available to us in an amount sufficient to enable us to make payments on our debt, fund other liquidity needs, make planned capital expenditures, or continue our dividend

The degree to which we are leveraged could have important consequences for shareholders. For example, it could: require us to dedicate a substantial portion of our cash flows from operations to the payment of debt service, reducing the availability of our cash flow to fund working capital, share repurchases, capital expenditures, acquisitions, and other general corporate purposes; limit our availability to obtain additional financing in the future to enable us to react to changes in our business; and place us at a competitive disadvantage compared to businesses in our industry that have less debt.

Additionally, any future increase in the level of our indebtedness will likely increase our interest expense, which could negatively impact our profitability. Current interest rates on borrowings under our credit facility are variable and include the use of the London Interbank Offered Rate ("LIBOR"). In 2017, the U.K. Financial Conduct Authority announced that it intends to phase out LIBOR by the end of 2021. In addition, other regulators have suggested reforming or replacing other benchmark rates. The discontinuation, reform, or replacement of LIBOR or any other benchmark rates may result in fluctuating interest rates that may have a negative impact on our interest expense and our profitability.

Further, our credit facility contains both financial covenants and other covenants that limit our ability to engage in specific transactions. Any failure to comply with covenants in the credit facility could result in an event of default that, if not cured or waived, would have a material adverse effect on us.

Impairment of goodwill and long-lived assets could have a material adverse effect on our financial condition and results of operations.

We evaluate goodwill for impairment annually, in the fourth quarter, or more often if impairment indicators exist. We also review long-lived assets for impairment whenever events or changes in circumstances indicate that the carrying amount of such assets may not be recoverable. If the fair value of one of our reporting units is less than its carrying value, or if as a result of a recoverability test we conclude that the projected undiscounted cash flows are less than the carrying amount, we would record an impairment charge related to goodwill or long-lived assets, respectively. The assumptions used to determine impairment require significant judgment and the amount of the impairment could have a material adverse effect on our reported financial results for the period in which the charge is taken.

If we fail to maintain proper and effective internal control over financial reporting in the future, our ability to produce accurate and timely financial statements could be negatively impacted, which could harm our operating results and investor perceptions of our Company and as a result may have a material adverse effect on the value of our common stock.

Pursuant to Section 404 of the Sarbanes Oxley Act of 2002 and related rules, our management is required to report on, and our independent registered public accounting firm is required to attest to, the effectiveness of our internal control over financial reporting. The rules governing the standards that must be met for management to assess our internal control over financial reporting are complex and require significant documentation, testing, and, in some instances, remediation. We have acquired entities that had no publicly traded debt or equity and therefore were not previously required to conform to the rules and regulations of the SEC, especially related to their internal control structure. When we acquire such entities, they may not have in place all the necessary controls as required by the Public Company Accounting Oversight Board. Integrating acquired entities into our internal control over financial reporting has required and will continue to require significant time and resources from our management and other personnel, which increases our compliance costs. We are required to include our assessment of the effectiveness of the internal controls over financial reporting of entities we acquire in our overall assessment, so we must plan to complete the evaluation and integration of internal controls over financial reporting and report our assessment within the required time frame.

In addition, with the increasing frequency of cyber-related frauds perpetrated to obtain inappropriate payments, we need to ensure our internal controls related to authorizing the transfer of funds and changing our vendor master files are adequate. Failure to maintain an effective internal control environment could have a material adverse effect on our ability to accurately report our financial results, the market's perception of our business, and our stock price.

#### **Other Risks**

Our business may be negatively impacted by adverse weather conditions.

Weather conditions such as snow storms, heavy flooding, hurricanes, and fluctuations in temperatures can negatively impact portions of our business. Within our Technical Solutions segment, cooler than normal temperatures in the summer could reduce the need for servicing of air conditioning units, resulting in reduced revenues and profitability. Within Parking and Aviation services, snow can lead to reduced travel activity, as well as increases in certain costs, both of which negatively affect gross profit. On the other hand, the absence of snow during the winter could cause us to experience reduced revenues in our B&I segment, as many of our contracts specify additional payments for snow-related services.

#### Catastrophic events, disasters, and terrorist attacks could disrupt our services.

We may encounter disruptions involving power, communications, transportation or other utilities, or essential services depended upon by us or by third parties with whom we conduct business. This could include disruptions due to disasters, pandemics, weather-related or similar events (such as fires, hurricanes, blizzards, earthquakes, and floods), political instability, labor strikes, or war (including acts of terrorism or hostilities) that could impact our markets. If a disruption occurs in one location and persons in that location are unable to communicate with or travel to or work from other locations, our ability to service and interact with our clients and others may suffer, and we may not be able to successfully implement contingency plans that depend on communications or travel. These events may increase the volatility of financial results due to unforeseen costs with partial or no corresponding compensation from clients. There also can be no assurance that the disaster recovery and crisis management procedures we employ will suffice in any particular situation to avoid a significant loss. In addition, to the extent centralized administrative locations are disabled for a long period of time, key business processes, such as accounts payable, information technology, payroll, and general management operations, could be interrupted.

#### Actions of activist investors could disrupt our business.

Public companies have been the target of activist investors. In the event that a third party, such as an activist investor, proposes to change our governance policies, board of directors, or other aspects of our operations, our review and consideration of such proposals may create a significant distraction for our management and employees. This could negatively impact our ability to execute various strategic initiatives and may require management to expend significant time and resources responding to such proposals. Such proposals may also create uncertainties with respect to our financial position and operations and may adversely affect our ability to attract and retain key employees.

#### ITEM 1B. UNRESOLVED STAFF COMMENTS.

None.

#### **ITEM 2. PROPERTIES.**

Our principal executive office is located at One Liberty Plaza, 7<sup>th</sup> Floor, New York, New York 10006. As part of our 2020 Vision, in 2016 we began consolidating our operations to increase efficiency and effectiveness.

#### **Principal Properties as of October 31, 2019**

Location	Character of Office	Approximate Square Feet	Lease Expiration Date, Unless Owned	Segment
Alpharetta, Georgia	IT Datacenter and Technical Solutions Headquarters	25,000	Owned	All
Atlanta, Georgia	Operations Support	37,000	10/31/2027	All
Cleveland, Ohio	Legacy GCA Headquarters	32,400	1/31/2024	Education, T&M, and Corporate
New York, New York	Corporate Headquarters	44,000 <sup>(1)</sup>	1/3/2032	Corporate and B&I
Sugar Land, Texas	Enterprise Services	62,500	3/31/2028	All
Tustin, California	Operations Support	40,000	7/31/2029	<b>B&amp;I</b> and Technical Solutions

<sup>(1)</sup> Approximately 10,000 square feet are sublet.

In addition to the above properties, we have other offices, warehouses, and parking facilities in various locations, primarily in the United States. We believe that these properties are well maintained, in good operating condition, and suitable for the purposes for which they are used.

#### ITEM 3. LEGAL PROCEEDINGS.

We are a party to a number of lawsuits, claims, and proceedings incident to the operation of our business, including those pertaining to labor and employment, contracts, personal injury, and other matters, some of which allege substantial monetary damages. Some of these actions may be brought as class actions on behalf of a class or purported class of employees. While the results of these lawsuits, claims, and proceedings cannot be predicted with any certainty, our management believes that the final outcome of these matters will not have a material adverse effect on our financial position, results of operations, or cash flows.

#### **Certain Legal Proceedings**

Certain lawsuits to which we are a party are discussed below. In determining whether to include any particular lawsuit or other proceeding, we consider both quantitative and qualitative factors. These factors include, but are not limited to: the amount of damages and the nature of any other relief sought in the proceeding; if such damages and other relief are specified, our view of the merits of the claims; whether the action is or purports to be a class action, and our view of the likelihood that a class will be certified by the court; the jurisdiction in which the proceeding is pending; and the potential impact of the proceeding on our reputation.

The Consolidated Cases of Bucio and Martinez v. ABM Janitorial Services filed on April 7, 2006, pending in the Superior Court of California, County of San Francisco (the "Bucio case")

The *Bucio* case is a class action pending in San Francisco Superior Court that alleges we failed to provide legally required meal periods and make additional premium payments for such meal periods, pay split shift premiums when owed, and reimburse janitors for travel expenses. There is also a claim for penalties under the California Labor Code Private Attorneys General Act ("PAGA"). On April 19, 2011, the trial court held a hearing on plaintiffs' motion to certify the class. At the conclusion of that hearing, the trial court denied plaintiffs' motion to certify the class. On May 11, 2011, the plaintiffs filed a motion to reconsider, which was denied. The plaintiffs appealed the class certification issues. The trial court stayed the underlying lawsuit pending the decision in the appeal. The Court of Appeal of the State of California, First Appellate District (the "Court of Appeal"), heard oral arguments on November 7, 2017. On December 11, 2017, the Court of Appeal reversed the trial court's order denying class certification and remanded the matter for certification of a meal period, travel expense reimbursement, and split shift class. The case was remitted to the trial court for further proceedings on class certification, discovery, dispositive motions, and trial.

On September 20, 2018, the trial court entered an order defining four certified subclasses of janitors who were employed by the legacy ABM janitorial companies in California at any time between April 7, 2002 and April 30, 2013, on claims based on alleged previous automatic deduction practices for meal breaks, unpaid meal premiums, unpaid split shift premiums, and unreimbursed business expenses, such as mileage reimbursement for use of personal vehicles to travel between worksites. On February 1, 2019, the trial court held that the discovery related to PAGA claims allegedly arising after April 30, 2013 would be stayed until after the class and PAGA claims accruing prior to April 30, 2013 had been tried. The parties engaged in mediation in July 2019, which did not result in settlement of the case. On October 17, 2019, the plaintiffs filed a motion asking the trial court to certify additional classes based on an alleged failure to maintain time records, an alleged failure to provide accurate wage statements, and an alleged practice of combining meal and rest breaks. Our response to this motion was filed on November 4, 2019, and the trial court heard the matter on December 10, 2019. This matter is currently set for trial on May 26, 2020. Prior to trial, we will have the opportunity to move for summary judgment, seek decertification of the classes, or engage in further mediation, if we deem such actions appropriate. We expect to engage in one or more such activities in upcoming quarters.

Castro and Marmolejo v. ABM Industries, Inc., et al., filed on October 24, 2014, pending in the United States District Court for the Northern District of California (the "Castro case")

On October 24, 2014, Plaintiff Marley Castro filed a class action lawsuit alleging that ABM did not reimburse janitorial employees in California for using their personal cell phones for work-related purposes, in violation of California Labor Code section 2802. On January 23, 2015, Plaintiff Lucia Marmolejo was added to the case as a named plaintiff. On October 27, 2017, plaintiffs moved for class certification seeking to represent a class of all employees who were, are, or will be employed by ABM in the State of California with the Employee Master Job Description Code "Cleaner" (hereafter referred to as "Cleaner Employees") beginning from October 24, 2010. ABM filed its opposition to class certification on November 27, 2017. On January 26, 2018, the district court granted plaintiffs' motion for class certification. The court rejected plaintiffs' proposed class, instead certifying three classes that the court formulated on its own: (1) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to punch in and out of the EPAY system and who (a) worked at an ABM facility that did not provide a biometric clock and (b) were not offered an ABM-provided cell phone during the period

beginning on January 1, 2012, through the date of notice to the Class Members that a class has been certified in this action; (2) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to report unusual or suspicious circumstances to supervisors and were not offered (a) an ABM-provided cell phone or (b) a two-way radio during the period beginning four years prior to the filing of the original complaint, October 24, 2014, through the date of notice to the Class Members that a class has been certified in this action; and (3) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to respond to communications from supervisors and were not offered (a) an ABM-provided cell phone or (b) a two-way radio during the period beginning four years prior to the filing of the original complaint, October 24, 2014, through the date of notice to the Class Members that a class has been certified in this action.

On February 9, 2018, ABM filed a petition for permission to appeal the district court's order granting class certification with the United States Court of Appeals for the Ninth Circuit, which was denied on April 30, 2018. On March 20, 2018, ABM moved to compel arbitration of the claims of certain class members pursuant to the terms of three collective bargaining agreements. In response to that motion, on May 14, 2018, the district court modified the class definition to exclude all claims arising after the operative date(s) of the applicable collective bargaining agreements (which is June 1, 2016 for one agreement and May 1, 2016 for the other two agreements). However, the district court denied the motion to compel arbitration as to claims that arose prior to the operative date(s) of the applicable collective bargaining agreements. ABM appealed to the Ninth Circuit the district court's order denying the motion to compel arbitration with respect to the periods preceding the operative dates of the collective bargaining agreements.

After a court-ordered mediation held on October 15, 2018, the parties agreed to a class action settlement of \$5.4 million, subject to court approval. The plaintiffs' motion for preliminary approval of the settlement was filed on January 4, 2019, and the court held a hearing on the motion on February 12, 2019. On February 14, 2019, the court granted preliminary approval of the settlement. The court granted final approval of the settlement on September 3, 2019, and the settlement was funded on September 23, 2019. In connection with the settlement, we modified our existing written policies for California to expressly confirm that ABM service workers are not required to use personal cell phones for work purposes and began centralizing the process and implementing technology for such employees to request reimbursement for personal cell phone use due to work. Because the settlement was finally approved, on October 31, 2019, ABM dismissed its Ninth Circuit appeal regarding the district court's order denying the motion to compel arbitration.

#### ITEM 4. MINE SAFETY DISCLOSURES.

Not applicable.

#### **PART II**

### ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES.

#### Market Information, Dividends, and Stockholders

Our common stock is listed on the New York Stock Exchange (NYSE: ABM). We have paid cash dividends every quarter since 1965. Future dividends will be determined based on our earnings, capital requirements, financial condition, and other factors considered relevant by our Board of Directors.

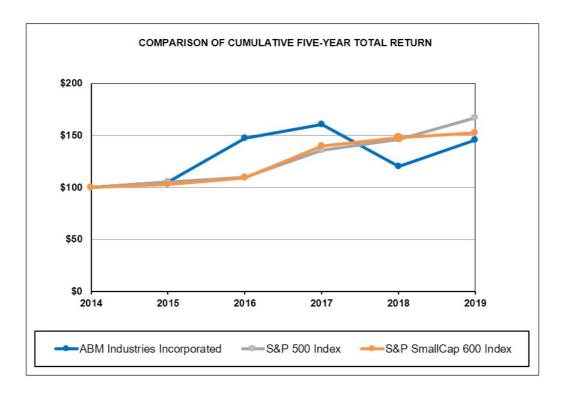
At December 17, 2019, there were 3,127 registered holders of our common stock.

#### **Common Stock Repurchases**

On September 2, 2015, our Board of Directors authorized a program to repurchase up to \$200.0 million of our common stock (the "2015 Share Repurchase Program"). We did not repurchase any shares during the fourth quarter of 2019. At October 31, 2019, authorization for \$134.1 million of repurchases remained under our 2015 Share Repurchase Program. Effective December 18, 2019, our Board of Directors replaced the 2015 Share Repurchase Program with a new share repurchase program under which we may repurchase up to \$150.0 million of our common stock. These purchases may take place on the open market or otherwise, and all or part of the repurchases may be made pursuant to Rule 10b5-1 plans or in privately negotiated transactions. The timing of repurchases is at our discretion and will depend upon several factors, including market and business conditions, future cash flows, share price, share availability, and other factors at our discretion. Repurchased shares are retired and returned to an authorized but unissued status. The repurchase program may be suspended or discontinued at any time without prior notice.

#### **Performance Graph**

The following graph compares the five-year cumulative total return for our common stock against the Standard & Poor's 500 Index ("S&P 500") and the Standard & Poor's SmallCap 600 Index ("S&P 600"). As our competitors are principally privately held, we do not believe it is feasible to construct a peer group comparison on an industry or line-of-business basis.



#### INDEXED RETURNS Years Ended October 31,

Company / Index	 2014	2015	2016	2017	2018	2019
ABM Industries Incorporated	\$ 100	\$ 104.9	\$ 147.3	\$ 160.8	\$ 120.3	\$ 145.6
S&P 500 Index	100	105.2	109.9	135.9	145.9	166.8
S&P SmallCap 600 Index	100	102.9	109.4	139.9	147.8	152.5

This performance graph shall not be deemed to be "soliciting material" or "filed" with the Securities and Exchange Commission, or subject to Regulation 14A or 14C, or subject to the liabilities of Section 18 of the Securities Exchange Act of 1934, as amended. The comparisons in the performance graph are based on historical data and are not indicative of, or intended to forecast, the possible future performance of our common stock.

#### ITEM 6. SELECTED FINANCIAL DATA.

The following selected financial data should be read in conjunction with Item 7., "Management's Discussion and Analysis of Financial Condition and Results of Operations," and Item 8., "Financial Statements and Supplementary Data." Unless otherwise indicated, all references to years are to our fiscal year, which ends on October 31.

		Year	s Er	ided Octob	er 3	1,	
	 2019	2018		2017		2016	2015
(in millions, except per share amounts)							
Statements of Comprehensive Income Data							
Revenues <sup>(1)(2)</sup>	\$ 6,498.6	\$ 6,442.2	\$	5,453.6	\$	5,144.7	\$ 4,897.8
Operating profit <sup>(3)</sup>	208.3	138.6		101.9		54.7	73.6
Income from continuing operations	127.5	95.9		78.1		62.3	54.1
(Loss) income from discontinued operations, net of taxes <sup>(4)</sup>	(0.1)	1.8		(74.3)		(5.1)	22.2
Per Share Data							
Net income per common share — Basic							
Income from continuing operations	\$ 1.92	\$ 1.45	\$	1.35	\$	1.11	\$ 0.95
Net income	\$ 1.91	\$ 1.48	\$	0.07	\$	1.02	\$ 1.35
Net income per common share — Diluted							
Income from continuing operations	\$ 1.91	\$ 1.45	\$	1.34	\$	1.09	\$ 0.94
Net income	\$ 1.90	\$ 1.47	\$	0.07	\$	1.01	\$ 1.33
Weighted-average common and common equivalent shares outstanding							
Basic	66.6	66.1		57.7		56.3	56.7
Diluted	66.9	66.4		58.3		56.9	57.4
Dividends declared per common share	\$ 0.720	\$ 0.700	\$	0.680	\$	0.660	\$ 0.640
Statements of Cash Flow Data							
Net cash provided by operating activities of continuing operations	\$ 262.8	\$ 299.7	\$	101.7	\$	110.5	\$ 145.5
Income tax payments (refunds), net <sup>(5)</sup>	20.6	(1.0)		11.8		12.6	23.7

				At (	October 31	,		
(in millions)	<u> </u>	2019	2018		2017		2016	2015
Balance Sheet Data								
Total assets	\$	3,692.6	\$ 3,627.5	\$	3,812.6	\$	2,278.8	\$ 2,130.7
Trade accounts receivable, net of allowances <sup>(6)</sup>		1,013.2	1,014.1		1,038.1		803.7	742.9
Goodwill <sup>(7)</sup>		1,835.4	1,834.8		1,864.2		912.8	867.5
Other intangible assets, net of accumulated amortization <sup>(8)</sup>		297.2	355.7		430.1		103.8	111.4
Long-term debt, net <sup>(9)</sup>		744.2	902.0		1,161.3		268.3	158.0
Insurance claims		515.0	510.3		495.4		423.8	387.4

<sup>(1)</sup> Revenues in 2019 reflect the adoption of Accounting Standards Update ("ASU") 2014-09, Revenue from Contracts with Customers (Topic 606), and ASU 2017-10, Service Concession Arrangements (Topic 853): Determining the Customer of the Operation Services. Following the adoption of Topic 853, \$48.6 million of rent expense related to service concession arrangements is now presented as a reduction of revenues, but was previously presented as an operating expense. Refer to Note 2, "Basis of Presentation and Significant Accounting Policies," and Note 3, "Revenues," in the Financial Statements for additional information regarding the impact of adopting these ASUs.

<sup>(2)</sup> Revenues in 2018 included \$858.1 million of incremental revenue from acquisitions, primarily \$855.7 million related to the acquisition of GCA Services Group ("GCA"). Revenues in 2017 included \$208.1 million of incremental revenue from acquisitions, including \$169.7 million related to GCA.

- (3) Factors affecting comparability of operating profit consisted of the following:
  - Operating profit in 2019 was positively impacted by higher gross margin, \$14.5 million lower restructuring and related expenses, and a \$13.6 million lower self-insurance adjustment related to prior year claims. Additionally, 2019 benefited from the absence of \$26.5 million of impairment charges recognized during 2018.
  - Operating profit in 2018 was positively impacted by \$67.6 million of incremental operating profit resulting from the GCA acquisition and an \$11.8 million lower self-insurance adjustment, partially offset by \$34.4 million of higher amortization expense and impairment charges of \$26.5 million. Additionally, 2018 benefited from the absence of \$24.2 million of transaction expenses incurred in 2017 related to the GCA acquisition, but this benefit was partially offset by the absence of a \$17.4 million impairment recovery recorded in 2017 related to our Government Services business.
  - Operating profit in 2017 benefited from a \$17.4 million impairment recovery, a \$10.9 million lower self-insurance adjustment, a reduction in restructuring and related expenses, and procurement and organizational savings from our 2020 Vision initiatives, all partially offset by \$24.2 million of transaction expenses related to the GCA acquisition.
  - Operating profit in 2016 was negatively impacted by insurance expense of \$49.6 million, consisting of a \$32.9 million unfavorable self-insurance adjustment related to prior year claims and \$16.7 million of higher insurance expense due to an increase in the rate used to record our insurance reserves during 2016. Operating profit was also unfavorably impacted by \$29.0 million of 2020 Vision restructuring and related charges and a \$22.5 million impairment charge for our Government Services business, consisting of both goodwill and long-lived asset charges. Operating profit in 2016 was favorably impacted by approximately \$22 million in savings from our 2020 Vision initiatives.
  - Operating profit in 2015 was negatively impacted by a \$35.9 million unfavorable self-insurance adjustment related to prior year claims.
- (4) We had income from discontinued operations in 2018 of \$1.8 million due to an insurance reimbursement on a legal settlement and collection of previously written off receivables, partially offset by union audit settlements. The loss from discontinued operations in 2017 included legal settlements associated with our former Security business of \$120.0 million. Income from discontinued operations for 2015 reflected the \$14.4 million after-tax gain on the sale of the Security business.
- (5) Net income tax payments during 2018 were impacted by a \$19.4 million refund received for prior year legal settlements. Additionally, we had cash tax savings of approximately \$6 million for 2019, \$7 million for 2018, and \$10 million for each of 2017 and 2016 related to coverage provided by IFM Assurance Company, our wholly-owned captive insurance company.
- (6) Trade accounts receivable, net of allowances, increased by \$118.1 million on September 1, 2017 as a result of the GCA acquisition.
- (7) Goodwill decreased in 2018 due to an impairment charge of \$20.3 million related to Westway Services Holdings (2014) Ltd. ("Westway") and to a \$7.0 million adjustment to the final GCA purchase price allocation. Goodwill increased by \$933.9 million on September 1, 2017 as a result of the GCA acquisition and by \$53.8 million on December 1, 2015 due to the Westway acquisition.
- (8) In 2018, other intangible assets, net of accumulated amortization, was reduced by an impairment charge of \$6.2 million related to Westway and a \$1.0 million adjustment to the final GCA purchase price allocation. During 2017, we recorded \$349.0 million of other intangible assets as a result of the GCA acquisition.
- (9) On September 1, 2017, we refinanced and replaced our existing \$800.0 million credit facility with a new secured \$1.7 billion credit facility, which we partially used to fund the GCA acquisition. During 2015, we used the cash proceeds from the sale of the Security business to pay down a portion of our line of credit.

#### ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS.

The following Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is intended to facilitate an understanding of the results of operations and financial condition of ABM Industries Incorporated and its subsidiaries (collectively referred to as "ABM," "we," "us," "our," or the "Company"). This MD&A is provided as a supplement to, and should be read in conjunction with, our consolidated financial statements and the accompanying notes ("Financial Statements"). This MD&A contains both historical and forward-looking statements, within the meaning of the Private Securities Litigation Reform Act of 1995, that involve risks and uncertainties. We make forward-looking statements related to future expectations, estimates, and projections that are uncertain and often contain words such as "anticipate," "believe," "could," "estimate," "expect," "forecast," "intend," "likely," "may," "outlook," "plan," "predict," "should," "target," or other similar words or phrases. These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and assumptions that are difficult to predict. Factors that might cause such differences include, but are not limited to, those discussed in Part 1. of this Form 10-K under Item 1A., "Risk Factors," which are incorporated herein by reference. Our future results and financial condition may be materially different from those we currently anticipate.

Throughout the MD&A, amounts and percentages may not recalculate due to rounding. Unless otherwise indicated, all information in the MD&A and references to years are based on our fiscal year, which ends on October 31.

Effective November 1, 2018, we adopted Accounting Standards Update ("ASU") 2014-09, Revenue from Contracts with Customers (Topic 606), and ASU 2017-10, Service Concession Arrangements (Topic 853): Determining the Customer of the Operation Services, using a modified retrospective approach with a cumulative-effect adjustment to retained earnings as of the beginning of 2019; prior period financial statements were not adjusted. Refer to Note 2, "Basis of Presentation and Significant Accounting Policies," and Note 3, "Revenues," in the Financial Statements for additional information regarding the impact of adoption. Additionally, refer to "Segment Information" below for information regarding the modification of the presentation of inter-segment revenues and the reorganization of our Healthcare business during 2019.

#### **Business Overview**

ABM is a leading provider of integrated facility solutions, customized by industry, with a mission to **make a difference**, **every person**, **every day**. Our principal operations are in the United States, and in 2019 our U.S. operations generated approximately 93% of our revenues.

#### **Strategic Growth**

We remain focused on long-term, profitable growth related to both new and existing clients within our industry groups and across our many service lines. Our revenue strategy is predicated on pursuing new sales and targeting a favorable retention rate among existing contracts. Cross-selling and up-selling projects and services is also an integral part of our strategy. We believe operational leverage from our strategic growth initiatives, coupled with our continued focus on efficiency, will increase profitability.

#### **Systems and Technology Transformation**

We have initiated many technology-based modernization efforts that we believe will enable us to operate more efficiently and provide us with greater data and insights to enhance our business management capabilities. We believe these new tools and systems will equip us for long-term success and position us for an even stronger and more prosperous future.

#### Human Resources and Labor Management

During 2019 we launched our new cloud-based human capital management system as well as a new time and attendance system. These investments will create a human resources ("HR") structure that centralizes and standardizes hiring and training practices, fostering a data-driven model to measure key metrics, such as employee retention and labor productivity, to help us make more informed decisions and ultimately manage certain costs. We have also introduced new tools to help our operators manage labor more efficiently and continue to invest in attracting, developing, and retaining talent.

#### Enterprise Resource Planning

During 2019 we also made progress with the multi-phased deployment of our new enterprise resource planning ("ERP") system, and in the future we anticipate having a unified system where we can integrate our legacy ABM and our legacy GCA finance environments for the first time. This newly combined system will streamline the operational and financial execution of our business and lead to more effective decision making in the future.

#### **Developments and Trends**

#### **Economic Labor Outlook**

The U.S. economy continues to demonstrate positive underlying fundamentals, with expanding gross domestic product growth and improving employment conditions, which have led to historically low levels of both unemployment and underemployment across the country. These factors have contributed to the lower availability of qualified labor for our business and higher turnover in certain markets, as our employees have more job opportunities both inside and outside our industry. This in turn has caused, and may continue to cause, higher labor and related personnel costs.

#### **Acquisition of GCA during 2017**

On September 1, 2017 (the "Acquisition Date"), we acquired GCA, a provider of integrated facility services to educational institutions and commercial facilities. Refer to Note 4, "Acquisitions," in the Financial Statements for more information on this transaction. Our consolidated statements of comprehensive income and statements of cash flows include GCA's results of operations in 2019 and 2018, but exclude GCA's results of operations in 2017 prior to the Acquisition Date.

#### **Restructuring and Related Costs**

We may periodically engage in various restructuring activities intended to drive long-term profitable growth and increase operational efficiency, which can include streamlining and realigning our overall organizational structure and reallocating resources. These activities may result in restructuring costs related to employee severance, other project fees, external support fees, lease exit costs, and asset impairment charges.

During 2019, our restructuring activities primarily related to the continued integration of GCA and other initiatives, including standardizing our financial systems and streamlining our operations by migrating and upgrading several key management platforms, such as our human resources information systems, ERP system, and labor management system. We also continued consolidating our real estate leases. Severance and other expenses associated with our Healthcare reorganization during 2019 were immaterial. We expect to incur additional restructuring charges, primarily related to some of our technology initiatives and other project fees, as we continue to consolidate our operational and financial processes.

	Year E	nded		
(in millions)	October :	31, 2019	Cu	ımulative
Employee severance	\$	4.6	\$	18.0
Other project fees		4.5		12.3
External support fees		1.5		3.5
Lease exit costs		0.7		0.7
Total	\$	11.2	\$	34.6

#### **Insurance Reserves**

We use a combination of insured and self-insurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks. Insurance claim liabilities represent our estimate of retained risks without regard to insurance coverage. We retain a substantial portion of the risk related to certain workers' compensation and medical claims. Liabilities associated with these losses include estimates of both filed claims and incurred but not reported claims ("IBNR Claims").

With the assistance of third-party actuaries, we periodically review our estimate of ultimate losses for IBNR Claims and adjust our required self-insurance reserves as appropriate. As part of this evaluation, we review the status of existing and new claim reserves as established by third-party claims administrators. The third-party claims administrators establish the case reserves based upon known factors related to the type and severity of the claims, demographic factors, legislative matters, and case law, as appropriate. We compare actual trends to expected trends and monitor claims developments. The specific case reserves estimated by the third-party administrators are provided to an actuary who assists us in projecting an actuarial estimate of the overall ultimate losses for our self-insured or high deductible programs, which includes the case reserves plus an actuarial estimate of reserves required for additional developments, such as IBNR Claims. We utilize the results of actuarial studies to estimate our insurance rates and insurance reserves for future periods and to adjust reserves, if appropriate, for prior years.

The actuarial reviews continue to demonstrate that the changes we have made to our risk management program are positively impacting the frequency and severity of claims. There is some flattening of claims frequency reductions as compared to prior periods, but the claims management strategies and programs that we have implemented have resulted in better than anticipated improvements in early identification of certain claims that may potentially develop adversely. Furthermore, we continue to adjust our reserves consistent with known fact patterns. Based on the results of the actuarial reviews performed, we decreased our total reserves for known claims as well as our estimate of the loss amounts associated with IBNR Claims for prior periods by \$3.4 million during 2019. In 2018, we increased our total reserves related to prior year claims by \$10.2 million.

#### **Divestiture of Government Services Business During 2017**

On May 31, 2017, we completed the sale of our Government Services business for \$35.5 million and recorded a pre-tax gain of \$1.2 million, which gain is reflected in impairment loss (recovery) on our consolidated statements of comprehensive income. Prior to the sale of this business, we recorded a \$17.4 million impairment recovery to adjust the fair value of certain previously impaired assets to the valuation of the assets as implied by the agreed-upon sales price, less estimated costs to sell. The reported results for this business are through the date of sale, and future results could include run-off costs. As this business has been sold and is no longer part of our ongoing operations, we have excluded a discussion of its results for the periods in this report.

#### Key Financial Highlights

- Revenues increased by \$56.4 million, or 0.9%, during 2019, as compared to 2018, primarily due to organic growth in our U.S. Technical Solutions business, partially offset by the loss of certain accounts across our other industry groups.
- Operating profit increased by \$69.7 million, or 50.3%, during 2019, as compared to 2018. The increase in operating profit is primarily attributable to higher gross margin, the absence of \$26.5 million of impairment charges recognized during 2018, \$14.5 million of lower restructuring and related expenses, and a \$13.6 million lower self-insurance adjustment related to prior year claims.
- We had a provision for taxes of \$32.7 million during 2019, as compared to a benefit from taxes of \$8.2 million during 2018, primarily due to a net discrete tax benefit of \$23.2 million in 2018 related to the Tax Cuts and Jobs Act (the "Tax Act").
- Net cash provided by operating activities of continuing operations was \$262.8 million during 2019.
- Dividends of \$47.7 million were paid to shareholders, and dividends totaling \$0.720 per common share were declared during 2019.
- At October 31, 2019, total outstanding borrowings under our credit facility were \$808.4 million, and we had up to \$574.2 million of borrowing capacity under our credit facility; however, covenant restrictions limited our actual borrowing capacity to \$406.6 million.

#### The Year Ended October 31, 2019 Compared with the Year Ended October 31, 2018

#### Consolidated

	Years Ende			
( <u>\$ in millions)</u>	 2019	2018	Increase / (D	ecrease)
Revenues	\$ 6,498.6	\$ 6,442.2	\$ 56.4	0.9%
Operating expenses	5,767.5	5,747.4	20.1	0.3%
Gross margin	11.2%	10.8%	46 bps	
Selling, general and administrative expenses	452.9	438.0	14.9	3.4%
Restructuring and related expenses	11.2	25.7	(14.5)	(56.3)%
Amortization of intangible assets	58.5	66.0	(7.5)	(11.3)%
Impairment loss	_	26.5	(26.5)	NM*
Operating profit	 208.3	138.6	69.7	50.3%
Income from unconsolidated affiliates	3.0	3.2	(0.2)	(6.8)%
Interest expense	(51.1)	(54.1)	(3.0)	(5.5)%
Income from continuing operations before income taxes	160.2	87.7	72.5	82.6%
Income tax (provision) benefit	(32.7)	8.2	(40.9)	NM*
Income from continuing operations	127.5	95.9	31.6	32.9%
(Loss) income from discontinued operations, net of taxes	(0.1)	1.8	(1.9)	NM*
Net income	127.4	97.8	29.6	30.3%
Other comprehensive income (loss)				
Interest rate swaps and other	(22.4)	21.9	(44.3)	NM*
Foreign currency translation	1.6	(4.7)	6.3	NM*
Income tax benefit (provision)	5.9	(5.9)	11.8	NM*
Comprehensive income	\$ 112.5	\$ 109.0	\$ 3.5	3.2%

<sup>\*</sup>Not meaningful

#### Revenues

Revenues increased by \$56.4 million, or 0.9%, during 2019, as compared to 2018. The increase in revenues was attributable to organic growth, primarily in our U.S. Technical Solutions business, partially offset by the loss of certain accounts across our other industry groups. Revenues in 2019 reflect the adoption of Topic 853, which required rent expense of \$48.6 million, primarily within Aviation, to be presented as a reduction of revenues versus the comparative period presentation of recording rent expense as an operating expense.

#### **Operating Expenses**

Operating expenses increased by \$20.1 million, or 0.3%, during 2019, as compared to 2018. The increase was partially offset by the reclassification of \$48.6 million of rent expense related to the adoption of Topic 853, as noted above. Gross margin increased by 46 bps to 11.2% in 2019 from 10.8% in 2018. The increase in gross margin was primarily associated with improved margins within our U.S. B&I business, a lower self-insurance adjustment related to prior year claims, and the impact of Topic 606 within our Technical Solutions business.

#### Selling, General and Administrative Expenses

Selling, general and administrative expenses increased by \$14.9 million, or 3.4%, during 2019, as compared to 2018. The increase in selling, general and administrative expenses was primarily related to:

- · an \$18.1 million increase in technology investments and related support;
- the absence of a \$7.0 million reimbursement of previously expensed legal settlement costs received in the prior year;

- a \$3.9 million reserve established for an anticipated union pension settlement;
- the absence of a \$3.4 million benefit in the prior year resulting from actuarial evaluations performed on our medical and dental self-insurance plans; and
- a \$2.5 million reserve established for a non-recurring adjustment related to a client account.

This increase was partially offset by:

- a \$10.3 million decrease in legal settlement costs;
- a \$4.1 million decrease in compensation and related expenses; and
- the absence of \$2.2 million of acquisition costs incurred in the prior year related to the GCA acquisition.

#### Restructuring and Related Expenses

Restructuring and related expenses decreased by \$14.5 million, or 56.3%, during 2019, as compared to 2018. The decrease was due to restructuring expenses incurred in the prior year following the acquisition of GCA, primarily severance, partially offset by other restructuring expenses incurred in the current year.

#### Amortization of Intangible Assets

Amortization of intangible assets decreased by \$7.5 million, or 11.3%, during 2019, as compared to 2018, primarily related to certain intangible assets being amortized using the sum-of-the-years'-digits method, which results in declining amortization expense over the assets' useful lives.

#### **Impairment Loss**

During 2018, we recorded impairment charges on goodwill and customer relationships related to our U.K. Technical Solutions business totaling \$26.5 million, which primarily reflected the declining operating performance of this business due to adverse impacts of Brexit and the resulting effects on microeconomic conditions in the U.K. retail sector.

#### **Income Taxes from Continuing Operations**

During 2019 and 2018, we had effective tax rates on income from continuing operations of 20.4% and (9.4)%, respectively, resulting in a provision for tax of \$32.7 million and a benefit from tax of \$8.2 million, respectively. Our effective tax rate for 2019 was impacted by the following discrete items: a \$1.8 million benefit from the transition tax (including foreign tax credits); a \$1.7 million benefit from state true-ups; a \$1.6 million benefit from federal true-ups; a \$1.3 million provision related to the Work Opportunity Tax Credit ("WOTC"); a \$1.3 million benefit from expiring statutes of limitations; a \$1.1 million benefit from the vesting of share-based compensation awards; and a \$0.9 million benefit related to the Tax Act enactment; a \$5.8 million benefit from expiring statutes of limitations; a \$3.4 million benefit from the vesting of share-based compensation awards; a \$2.8 million benefit for energy efficient government buildings; and a \$1.0 million provision for certain tax credits, including WOTC.

#### Interest Rate Swaps and Other

During 2019, we recognized as a component of our comprehensive income a loss of \$22.4 million related to our interest rate swaps, compared to a gain of \$21.9 million during 2018, primarily due to underlying changes in the fair value of the interest rate swaps. Additionally, we continue to amortize the gain we realized in 2018 from the termination of our prior interest rate swaps from accumulated other comprehensive income ("AOCI") to interest expense. During 2019 we amortized \$4.1 million, net of taxes of \$1.5 million, of that gain compared to \$1.8 million, net of taxes of \$0.7 million, amortized during 2018.

#### Foreign Currency Translation

During 2019, we recognized as a component of our comprehensive income a foreign currency translation gain of \$1.6 million compared to a loss of \$4.7 million during 2018. This change was due to fluctuations in the exchange rate between the U.S. Dollar ("USD") and the Great Britain Pound ("GBP"). Future gains and losses on foreign currency translation will be dependent upon changes in the relative value of foreign currencies to the USD and the extent of our foreign assets and liabilities.

#### **Segment Information**

Our current reportable segments consist of Business & Industry ("B&I"), Aviation, Technology & Manufacturing ("T&M"), Education, and Technical Solutions. Effective November 1, 2018, we modified the presentation of inter-segment revenues, which are recorded at cost with no associated intercompany profit or loss and are eliminated in consolidation. Additionally, during the third quarter of 2019, we made changes to our operating structure to better align the services and expertise of our Healthcare business with our other industry groups, allowing us to leverage our existing branch network to support the long-term growth of this business. As a result, our former Healthcare portfolio is now included primarily in our B&I segment. Our prior period segment data has been reclassified to conform with our current period presentation. These changes had no impact on our previously reported consolidated financial statements.

#### Financial Information for Each Reportable Segment

	Years Ended	d Oct	ober 31,		
( <u>\$ in millions)</u>	2019		2018	Increase / (D	ecrease)
Revenues					
Business & Industry	\$ 3,251.4	\$	3,268.4	\$ (17.0)	(0.5)%
Aviation	1,017.3		1,038.7	(21.4)	(2.1)%
Technology & Manufacturing	917.0		925.4	(8.4)	(0.9)%
Education	847.4		856.7	(9.3)	(1.1)%
Technical Solutions	593.2		500.1	93.1	18.6%
Elimination of inter-segment revenues	(127.7)		(147.1)	19.4	13.2%
	\$ 6,498.6	\$	6,442.2	\$ 56.4	0.9%
Operating profit (loss)	 				
Business & Industry	\$ 182.3	\$	157.9	\$ 24.4	15.5%
Operating profit margin	5.6%		4.8%	78 bps	
Aviation	21.1		23.2	(2.1)	(8.9)%
Operating profit margin	2.1%		2.2%	(15) bps	
Technology & Manufacturing	72.5		67.4	5.1	7.6%
Operating profit margin	7.9%		7.3%	62 bps	
Education	39.0		44.1	(5.1)	(11.4)%
Operating profit margin	4.6%		5.1%	(54) bps	
Technical Solutions	55.4		21.8	33.6	NM*
Operating profit margin	9.3%		4.4%	497 bps	
Government Services	(0.1)		(8.0)	0.7	90.1%
Operating profit margin	NM*		NM*	NM*	
Corporate	(159.0)		(168.8)	9.8	5.8%
Adjustment for income from unconsolidated affiliates, included in Aviation	(3.0)		(3.2)	0.2	7.4%
Adjustment for tax deductions for energy efficient government buildings, included in Technical Solutions	0.1		(2.8)	2.9	NM*
	\$ 208.3	\$	138.6	\$ 69.7	50.3%

<sup>\*</sup>Not meaningful

#### **Business & Industry**

	Years Ended October 31,					
(§ in millions)	 2019		2018		(Decrease) / Increa	
Revenues	\$ 3,251.4	\$	3,268.4	\$	(17.0)	(0.5)%
Operating profit	182.3		157.9		24.4	15.5%
Operating profit margin	5.6%		4.8%		78 bps	

B&I revenues decreased by \$17.0 million, or 0.5%, during 2019, as compared to 2018. The decrease was primarily attributable to the loss of certain accounts in our U.S. business, including the exit from certain lower margin or underperforming accounts, and a negative impact from fluctuations in foreign currency exchange rates related to our U.K. business. The decrease was partially offset by organic growth, including the targeted expansion of certain key clients within our U.S. business and the expansion of a contract that started in 2018 in our U.K. business. Management reimbursement revenues for this segment totaled \$283.1 million and \$276.6 million during 2019 and 2018, respectively.

Operating profit increased by \$24.4 million, or 15.5%, during 2019, as compared to 2018. Operating profit margin increased by 78 bps to 5.6% in 2019 from 4.8% in 2018. The increase in operating profit margin was primarily associated with the exit from certain lower margin or underperforming accounts in our U.S. business, improvements in our labor management processes, and a decrease in unemployment taxes in certain states. This increase was partially offset by a provision for the settlement of a union health and welfare benefits audit. While labor challenges are present in certain areas of our B&I business, it is our most mature business and has the highest proportion of unionized labor.

#### **Aviation**

	Years Ended				
( <u>\$ in millions)</u>	2019	2018	Decreas	е	
Revenues	\$ 1,017.3	\$ 1,038.7	\$ (21.4)	(2.1)%	
Operating profit	21.1	23.2	(2.1)	(8.9)%	
Operating profit margin	2.1%	2.2%	(15) bps		

Aviation revenues decreased by \$21.4 million, or 2.1%, during 2019, as compared to 2018. The decrease in revenues primarily related to the adoption of Topic 853, which required rent expense of \$46.8 million to be presented as a reduction of revenues versus the comparative period presentation of recording rent expense as an operating expense. Overall, revenues were positively impacted by organic growth, primarily new contract wins in our U.K. business, as well as the expansion of catering logistics accounts in our U.S. business. However, this growth was partially offset by the loss of certain passenger services, facility services, and cabin cleaning accounts, as well as a negative impact from fluctuations in foreign currency exchange rates related to our U.K. business. Management reimbursement revenues for this segment totaled \$95.5 million and \$99.9 million during 2019 and 2018, respectively.

Operating profit decreased by \$2.1 million, or 8.9%, during 2019, as compared to 2018. Operating profit margin decreased by 15 bps to 2.1% in 2019 from 2.2% in 2018. This decrease in operating profit margin was primarily attributable to operational issues on certain accounts, including higher labor costs due to a tight labor market, partially offset by higher margins on certain new contracts, including contract wins in our U.K. business.

#### Technology & Manufacturing

	Years Ended Octo					
( <u>\$ in millions)</u>	 2019	2018		(Decrease) / Increase		
Revenues	\$ 917.0 \$	925.4	\$	(8.4)	(0.9)%	
Operating profit	72.5	67.4		5.1	7.6%	
Operating profit margin	7.9%	7.3%		62 bps		

T&M revenues decreased by \$8.4 million, or 0.9%, during 2019, as compared to 2018. The decrease was primarily attributable to the loss of certain accounts, partially offset by the expansion of existing accounts and new business.

Operating profit increased by \$5.1 million, or 7.6%, during 2019, as compared to 2018. Operating profit margin increased by 62 bps to 7.9% in 2019 from 7.3% in 2018. The increase in operating profit margin was primarily attributable to improved margins on certain accounts and the loss of a low margin account in the prior year, partially offset by specific reserves established for client receivables.

#### **Education**

	 Years Ended Oc			
(\$ in millions)	 2019	2018	Decreas	se .
Revenues	\$ 847.4 \$	856.7	\$ (9.3)	(1.1)%
Operating profit	39.0	44.1	(5.1)	(11.4)%
Operating profit margin	4.6%	5.1%	(54) bps	

Education revenues decreased by \$9.3 million, or 1.1%, during 2019, as compared to 2018. The decrease was attributable to the loss of certain accounts, partially offset by new business, including the expansion of certain accounts that primarily occurred in the current year.

Operating profit decreased by \$5.1 million, or 11.4%, during 2019, as compared to 2018. Operating profit margin decreased by 54 bps to 4.6% in 2019 from 5.1% in 2018. The decrease in operating profit margin was primarily attributable to changes in contract mix due to the loss of certain accounts and an increase in direct labor and related personnel costs on certain accounts driven by a challenging labor environment. The decrease was partially offset by the management of overhead and selling, general and administrative expenses due to the timing of certain synergies and lower reserves established for client receivables, including collections of previously written off receivables.

#### **Technical Solutions**

	Years Ended October 31,					
( <u>\$ in millions)</u>	2019		2018		Increas	е
Revenues	\$ 593.2	\$	500.1	\$	93.1	18.6%
Operating profit	55.4		21.8		33.6	NM*
Operating profit margin	9.3%		4.4%		497 bps	

Technical Solutions revenues increased by \$93.1 million, or 18.6%, during 2019, as compared to 2018. The increase was primarily attributable to growth in our U.S. business related to bundled energy solutions ("BES") projects and power projects, partially offset by the contraction of certain accounts in our U.K. business and a negative impact from fluctuations in foreign currency exchange rates related to our U.K. business.

Operating profit increased by \$33.6 million during 2019, as compared to 2018. Operating profit margin increased by 497 bps to 9.3% in 2019 from 4.4% in 2018. The increase in operating profit margin was primarily attributable to the absence of impairment charges on goodwill and customer relationships related to our U.K. business totaling \$26.5 million during 2018. The increase in operating profit margin was also due to the contribution of higher project revenues in our U.S. business, lower sales commission expense in the current year due to the deferral of commissions following the adoption of Topic 606, and lower amortization expense following the impairment recognized in our U.K. business at the end of 2018. The increase was partially offset by a higher volume of lower margin power projects in our U.S. business in the current year compared to higher margin BES projects in the prior year, the loss of certain higher margin contracts in our U.K. business, and the absence of tax deductions taken in the prior year for energy efficient government buildings.

#### Corporate

		Years Ended			
( <u>\$ in millions)</u>	_	2019	2018	<del>_</del>	Decrease
Corporate expenses	\$	159.0	\$ 168.8	\$	(9.8) (5.8)%

Corporate expenses decreased by \$9.8 million, or 5.8%, during 2019, as compared to 2018. The decrease in corporate expenses was primarily related to:

- a \$14.5 million decrease in restructuring and related expenses as a result of restructuring expenses incurred in the prior year following the acquisition of GCA, partially offset by other restructuring expenses incurred in the current year;
- a \$13.6 million lower adjustment to self-insurance reserves related to prior year claims;
- an \$11.3 million decrease in legal settlement costs;
- · the absence of \$2.2 million of acquisition costs related to the GCA acquisition incurred in the prior year; and
- \$1.1 million lower compensation and related expenses.

#### This decrease was partially offset by:

- an \$18.1 million increase in technology investments and related support;
- the absence of a \$7.0 million reimbursement of previously expensed legal settlement costs received in the prior year;
- a \$3.9 million reserve established for an anticipated union pension settlement;
- the absence of a \$3.4 million benefit in the prior year resulting from actuarial evaluations performed on our medical and dental self-insurance plans; and
- a \$2.5 million reserve established for a non-recurring adjustment related to a client account.

#### The Year Ended October 31, 2018 Compared with the Year Ended October 31, 2017

#### Consolidated

Years Ended October 31, 2018 2017 Increase / (Decrease) (\$ in millions) Revenues 6,442.2 5,453.6 988.6 18.1% 5,747.4 4,881.2 866.2 17.7% Operating expenses Gross margin 10.8% 10.5% 29 bps Selling, general and administrative expenses 438.0 436.6 1.4 0.3% Restructuring and related expenses 25.7 20.9 4.8 23.1% Amortization of intangible assets 66.0 31.6 34.4 NM\* Impairment loss (recovery) 26.5 45.0 NM\* (18.5)36.7 **Operating profit** 138.6 101.9 36.1% Income from unconsolidated affiliates 3.2 4.2 (23.9)% (1.0)Interest expense (54.1)(19.2)34.9 NM\* Income from continuing operations before income taxes 87.7 86.9 8.0 1.0% NM\* Income tax benefit (provision) 8.2 (8.8)17.0 95.9 78.1 17.8 22.9% Income from continuing operations Income (loss) from discontinued operations, net of taxes 76.1 NM\* 1.8 (74.3)97.8 94.0 NM\* Net income 3.8 Other comprehensive income (loss) Interest rate swaps and other 21.9 2.7 19.2 NM\* NM\* Foreign currency translation (4.7)9.7 (14.4)NM\* (5.9)(4.8)Income tax provision (1.1)\$ 109.0 15.2 93.8 NM\* Comprehensive income

#### Revenues

Revenues increased by \$988.6 million, or 18.1%, during 2018, as compared to 2017. The increase in revenues was primarily attributable to \$858.1 million of incremental revenues from acquisitions, mainly GCA, as well as organic growth in B&I, T&M, Technical Solutions, and Aviation. This increase was partially offset by the sale of our Government Services business on May 31, 2017.

#### **Operating Expenses**

Operating expenses increased by \$866.2 million, or 17.7%, during 2018, as compared to 2017. The increase was primarily attributable to \$763.1 million of incremental operating expenses from the GCA acquisition and an increase in wages and related personnel costs due to a tight labor market. Gross margin increased by 29 bps in 2018, as compared to 2017. The increase in gross margin was primarily associated with a lower self-insurance adjustment related to prior year claims as a result of actuarial studies, favorable margins in our U.S. Technical Solutions business, and the termination of an unprofitable Aviation contract in the third quarter of 2017, all partially offset by lower profit margins on certain B&I accounts.

<sup>\*</sup>Not meaningful

#### Selling, General and Administrative Expenses

Selling, general and administrative expenses increased by \$1.4 million, or 0.3%, during 2018, as compared to 2017. The increase in selling, general and administrative expenses was primarily related to:

- \$32.9 million of incremental expenses related to the GCA acquisition;
- a \$6.4 million increase in technology investments and related support;
- the absence of a \$3.2 million reimbursement of previously expensed fees associated with a concluded internal investigation into a foreign entity formerly affiliated with a joint venture during the prior year; and
- a \$3.2 million increase in expenses related to certain incentive plans due to the timing of awards.

#### This increase was partially offset by:

- the absence of \$24.2 million of transaction expenses related to the GCA acquisition;
- a \$3.4 million adjustment to decrease our medical and dental insurance reserves as a result of actuarial evaluations performed in 2018;
- a \$2.7 million decrease in rental expense due to office consolidations in the prior year;
- a \$2.5 million decrease in travel and entertainment expenses;
- a \$2.1 million decrease in legal settlement costs, net of a \$7.0 million reimbursement of previously expensed legal settlement costs;
- · \$1.9 million of lower compensation and related expenses; and
- a \$1.5 million decrease in bad debt expense.

#### Restructuring and Related Expenses

Restructuring and related expenses increased by \$4.8 million, or 23.1%, during 2018, as compared to 2017, as a result of restructuring related to the GCA acquisition, partially offset by the completion of our 2020 Vision organizational realignment.

#### Amortization of Intangible Assets

Amortization of intangible assets increased by \$34.4 million, during 2018, as compared to 2017, as a result of the amortization of acquired intangible assets associated with the GCA acquisition.

#### Impairment Loss (Recovery)

During 2018, we recorded impairment charges on goodwill and customer relationships related to our U.K. Technical Solutions business totaling \$26.5 million, which primarily reflected the declining operating performance of this business due to adverse impacts of Brexit and the resulting effects on microeconomic conditions in the U.K. retail sector.

On May 31, 2017, we sold our Government Services business for \$35.5 million. Based on the initial offer of \$35.0 million received during the second quarter of 2017, we recorded a \$17.4 million impairment recovery to adjust the fair value of certain previously impaired assets. In connection with the sale, we recorded a pre-tax gain of approximately \$1.2 million during the third quarter of 2017 due to a working capital settlement.

#### Interest Expense

Interest expense increased by \$34.9 million during 2018, as compared to 2017, primarily related to increased indebtedness incurred to fund the GCA acquisition and higher relative interest rates under our credit facility, partially offset by amortization of \$2.5 million related to the interest rate swap gain.

#### Income Taxes from Continuing Operations

Our effective tax rates on income from continuing operations during 2018 and 2017 were (9.4)% and 10.1%, respectively. Our effective rate for 2018 was impacted by the following discrete items: a \$23.2 million benefit related to the Tax Act enactment; a \$5.8 million benefit from expiring statutes of limitations; a \$3.4 million benefit from the vesting of share-based compensation awards; a \$2.8 million benefit for energy efficient government buildings; and a \$1.0 million provision for certain tax credits, including WOTC. Our effective rate for 2017 was impacted by the following discrete items: a \$17.8 million benefit from expiring statutes of limitations for uncertain tax positions; a \$3.6 million benefit from the vesting of share-based compensation awards; a \$1.9 million benefit for energy efficient government buildings; and the 2017 WOTC for new hires.

#### Discontinued Operations, Net of Taxes

During 2018, we had income from discontinued operations, net of taxes, of \$1.8 million, compared with a loss from discontinued operations, net of taxes, of \$74.3 million during 2017, a change of \$76.1 million. This change was due to an insurance reimbursement on a legal settlement and collection of previously written off receivables, partially offset by union audit settlements during 2018, compared with a legal reserve established in the prior year in connection with certain legal settlement agreements.

#### Interest Rate Swaps and Other

During April 2018, we elected to terminate all of our interest rate swaps for cash proceeds of \$25.9 million. The resulting gain is being amortized from AOCI to interest expense over the term of our Credit Facility.

#### Foreign Currency Translation

During 2018, we recognized as a component of our comprehensive income a foreign currency translation loss of \$4.7 million compared to a gain of \$9.7 million during 2017. This change was related to the USD strengthening against the GBP during 2018. Future gains and losses on foreign currency translation will be dependent upon changes in the relative value of foreign currencies to the USD and the extent of our foreign assets and liabilities.

#### **Segment Information**

#### Financial Information for Each Reportable Segment

		Years Ende				
( <u>\$ in millions)</u>		2018	2017	Increase / (Decrease)		ecrease)
Revenues				-		
Business & Industry	\$	3,268.4	\$ 2,939.4	\$	329.0	11.2%
Aviation		1,038.7	1,003.0		35.7	3.6%
Technology & Manufacturing		925.4	698.1		227.3	32.6%
Education		856.7	368.8		487.9	NM*
Technical Solutions		500.1	473.4		26.7	5.6%
Government Services		_	86.5		(86.5)	NM*
Elimination of inter-segment revenue		(147.1)	(115.7)		(31.4)	(27.1)%
	\$	6,442.2	\$ 5,453.6	\$	988.6	18.1%
Operating profit (loss)						
Business & Industry	\$	157.9	\$ 146.6	\$	11.3	7.7%
Operating profit margin		4.8%	5.0%		(16) bps	
Aviation		23.2	23.0		0.2	0.5%
Operating profit margin		2.2%	2.3%		(7) bps	
Technology & Manufacturing		67.4	48.6		18.8	38.7%
Operating profit margin		7.3%	7.0%		32 bps	
Education		44.1	17.4		26.7	NM*
Operating profit margin		5.1%	4.7%		42 bps	
Technical Solutions		21.8	39.4		(17.6)	(44.6)%
Operating profit margin		4.4%	8.3%		(396) bps	
Government Services		(8.0)	21.8		(22.6)	NM*
Operating profit margin		NM*	25.2%		NM*	
Corporate		(168.8)	(189.0)		20.2	10.7%
Adjustment for income from unconsolidated affiliates, included in Aviatio and Government Services	n	(3.2)	(4.1)		0.9	21.2%
Adjustment for tax deductions for energy efficient government buildings, included in Technical Solutions		(2.8)	(1.9)		(0.9)	(48.1)%
	\$	138.6	\$ 101.9	\$	36.7	36.1%

<sup>\*</sup>Not meaningful

#### **Business & Industry**

	Years Ended October 31,						
( <u>\$ in millions)</u>	2018		2017		Increase / (Decrease)		
Revenues	\$ 3,268.4	\$	2,939.4	\$	329.0	11.2%	
Operating profit <sup>(1)</sup>	157.9		146.6		11.3	7.7%	
Operating profit margin	4.8%		5.0%		(16) bps		

<sup>(1) 2018</sup> and 2017 include \$7.9 million and \$1.5 million, respectively, of amortization expense related to the GCA acquisition.

B&I revenues increased by \$329.0 million, or 11.2%, during 2018, as compared to 2017. The increase was primarily attributable to incremental revenues of \$155.1 million from the GCA acquisition and to organic net new business, primarily new contract wins in the United Kingdom, as well as targeted expansion of key clients within the United States. Management reimbursement revenues for this segment totaled \$276.6 million and \$252.9 million during 2018 and 2017, respectively.

Operating profit increased by \$11.3 million, or 7.7%, during 2018, as compared to 2017. Operating profit margin decreased by 16 bps to 4.8% in 2018 from 5.0% in 2017. Operating profit margin was negatively impacted by lower margins on certain accounts and an increase in amortization expense related to the GCA acquisition, partially offset by the management of selling, general and administrative expenses and higher margins on certain accounts. While labor challenges are present in certain areas of our B&I business, it is our most mature business and has the highest proportion of unionized labor.

#### **Aviation**

	Years Ended October 31,						
( <u>\$ in millions)</u>	2018		2017		Increase / (Decrease)		
Revenues	\$ 1,038.7	\$	1,003.0	\$	35.7	3.6%	
Operating profit	23.2		23.0		0.2	0.5%	
Operating profit margin	2.2%		2.3%		(7) bps		

Aviation revenues increased by \$35.7 million, or 3.6%, during 2018, as compared to 2017. The increase was primarily attributable to higher management reimbursement revenue and organic growth in catering logistics, cabin cleaning, and transportation services, as well as incremental revenues of \$14.5 million from the GCA acquisition. This increase was partially offset by the loss of certain passenger services, facility services, and janitorial accounts. Management reimbursement revenues for this segment totaled \$99.9 million and \$80.4 million during 2018 and 2017, respectively.

Operating profit increased by \$0.2 million, or 0.5%, during 2018, as compared to 2017. Operating profit margin decreased by 7 bps to 2.2% in 2018 from 2.3% in 2017. This decrease in operating profit margin was primarily attributable to lower margins and operational pressures on certain accounts and a provision for the settlement of a union wage and benefits audit. The decrease was mostly offset by the termination of an unprofitable contract in the third quarter of 2017.

#### Technology & Manufacturing

	Years Ended C				
( <u>\$ in millions)</u>	 2018	2017	=	Increas	e
Revenues	\$ 925.4 \$	698.1	\$	227.3	32.6%
Operating profit <sup>(1)</sup>	67.4	48.6		18.8	38.7%
Operating profit margin	7.3%	7.0%		32 bps	

<sup>(1) 2018</sup> and 2017 include \$10.6 million and \$1.9 million, respectively, of amortization expense related to the GCA acquisition.

T&M revenues increased by \$227.3 million, or 32.6%, during 2018, as compared to 2017. The increase was primarily attributable to incremental revenues from the GCA acquisition of \$198.1 million, expansion of existing accounts, and net new business.

Operating profit increased by \$18.8 million, or 38.7%, during 2018, as compared to 2017. Operating profit margin increased by 32 bps to 7.3% in 2018 from 7.0% in 2017. Operating profit margin was positively impacted by certain higher margin acquired contracts, partially offset by higher amortization expense related to the GCA acquisition and an increase in wages and related personnel costs in certain markets.

#### **Education**

	 Years Ended October 31,					
(\$ in millions)	2018		2017		Increas	е
Revenues	\$ 856.7	\$	368.8	\$	487.9	NM*
Operating profit <sup>(1)</sup>	44.1		17.4		26.7	NM*
Operating profit margin	5.1%		4.7%		42 bps	

<sup>\*</sup>Not meaningful

Education revenues increased by \$487.9 million during 2018, as compared to 2017. The increase was primarily attributable to incremental revenues from the GCA acquisition of \$488.0 million.

<sup>(1) 2018</sup> and 2017 include \$26.4 million and \$4.6 million, respectively, of amortization expense related to the GCA acquisition.

Operating profit increased by \$26.7 million during 2018, as compared to 2017. Operating profit margin increased by 42 bps to 5.1% in 2018 from 4.7% in 2017. The increase in operating profit margin was primarily due to certain higher margin contracts and the reversal of certain reserves, partially offset by higher amortization expense related to the GCA acquisition and an increase in wages and related personnel costs in certain markets.

## **Technical Solutions**

		Years Ended	d Octo				
( <u>\$ in millions)</u>		2018 2017		2018 2017		Increase / (De	crease)
Revenues	\$	500.1	\$	473.4	\$ 26.7	5.6%	
Operating profit		21.8		39.4	(17.6)	(44.6)%	
Operating profit margin		4.4%		8.3%	(396) bps		

Technical Solutions revenues increased by \$26.7 million, or 5.6%, during 2018, as compared to 2017. The increase was primarily attributable to higher BES project revenues in our U.S. business due to the timing of new projects.

Operating profit decreased by \$17.6 million, or 44.6%, during 2018, as compared to 2017. Operating profit margin decreased by 396 bps to 4.4% in 2018 from 8.3% in 2017. The decrease in operating profit margin was primarily attributable to impairment charges on goodwill and customer relationships related to our U.K. business totaling \$26.5 million during 2018, as well as the loss of certain higher margin contracts in our U.K. business, partially offset by favorable margins on certain projects in our U.S. business and higher tax deductions for energy efficient government building projects.

#### Corporate

	 Years Ende	d Oct	ober 31,			
( <u>\$ in millions)</u>	2018		2017	Decrease		
Corporate expenses	\$ 168.8	\$	189.0	\$ (20.2)	(10.7)%	

Corporate expenses decreased by \$20.2 million, or 10.7%, during 2018, as compared to 2017. The decrease in corporate expenses was primarily related to:

- the absence of \$24.2 million of transaction expenses related to the GCA acquisition;
- an \$11.8 million lower adjustment to self-insurance reserves related to prior year claims;
- a \$3.4 million adjustment to decrease our medical and dental insurance reserves as a result of actuarial evaluations performed in 2018;
- a \$2.0 million decrease in legal settlement costs, net of a \$7.0 million reimbursement of previously expensed legal settlement costs.

This decrease was partially offset by:

- a \$6.4 million increase in technology investments and related support;
- a \$4.8 million increase in restructuring and related costs as a result of the GCA acquisition;
- the absence of a \$3.2 million reimbursement of previously expensed fees associated with a concluded internal investigation into a
  foreign entity formerly affiliated with a joint venture during the prior year;
- a \$3.2 million increase in expenses related to certain incentive plans due to the timing of awards; and
- \$1.5 million higher compensation and related expenses primarily related to hiring additional personnel to support our 2020 Vision initiatives, as well as incremental expenses related to the GCA acquisition.

#### **Liquidity and Capital Resources**

Our primary sources of liquidity are operating cash flows and borrowing capacity under our credit facility. We assess our liquidity in terms of our ability to generate cash to fund our short- and long-term cash requirements. As such, we project our anticipated cash requirements as well as cash flows generated from operating activities to meet those needs.

In addition to normal working capital requirements, we anticipate that our short- and long-term cash requirements will include funding legal settlements, insurance claims, dividend payments, capital expenditures, and continued systems and technology transformation initiatives. We anticipate long-term cash uses may also include strategic acquisitions and share repurchases.

We believe that our operating cash flows and borrowing capacity under our credit facility are sufficient to fund our cash requirements for the next twelve months. In the event that our plans change or our cash requirements are greater than we anticipate, we may need to access the capital markets to finance future cash requirements. However, there can be no assurance that such financing will be available to us should we need it or, if available, that the terms will be satisfactory to us and not dilutive to existing shareholders.

On a long-term basis, we will continue to rely on our credit facility for any long-term funding not provided by operating cash flows. In addition, we anticipate that future cash generated from operations will be augmented by working capital improvements driven by our 2020 **Vision**, such as the management of costs through consolidated procurement.

IFM Assurance Company ("IFM") is a wholly-owned captive insurance company that we formed in 2015. IFM is part of our enterprise-wide, multi-year insurance strategy that is intended to better position our risk and safety programs and provide us with increased flexibility in the end-to-end management of our insurance programs. IFM began providing coverage to us as of January 1, 2015. We had accelerated cash tax savings related to coverage provided by IFM of approximately \$6 million in 2019, \$7 million in 2018, and \$10 million in 2017. We project accelerated cash tax savings for 2020 to be approximately \$6 million.

#### **Credit Facility**

On September 1, 2017, we refinanced and replaced our then-existing \$800.0 million credit facility with a new senior, secured five-year syndicated credit facility (the "Credit Facility"), consisting of a \$900.0 million revolving line of credit and an \$800.0 million amortizing term loan, scheduled to mature on September 1, 2022. In accordance with the terms of the Credit Facility, the line of credit was reduced to \$800.0 million on September 1, 2018. Initial borrowings under the Credit Facility were used to finance, in part, the cash portion of the purchase price related to the GCA acquisition, to refinance certain existing indebtedness of ABM, and to pay transaction costs.

Our ability to draw down available capacity under the Credit Facility, as amended, is subject to, and limited by, compliance with certain financial covenants, including a current maximum leverage ratio of 4.00 to 1.0 that steps down by 25 basis points annually each July to 3.50 to 1.0 by July 2021 and a minimum fixed charge coverage ratio of 1.50 to 1.0. Other covenants under the Credit Facility include limitations on liens, dispositions, fundamental changes, investments, and certain transactions and payments. At October 31, 2019, we were in compliance with these covenants and expect to be in compliance in the foreseeable future.

During 2019, we made \$40.0 million of principal payments under the term loan. At October 31, 2019, the total outstanding borrowings under our Credit Facility in the form of cash borrowings and standby letters of credit were \$808.4 million and \$149.8 million, respectively. At October 31, 2019, we had up to \$574.2 million of borrowing capacity under the Credit Facility; however, covenant restrictions limited our actual borrowing capacity to \$406.6 million.

In July 2017, the U.K. Financial Conduct Authority, the regulator of the London Interbank Offered Rate ("LIBOR"), indicated that it will no longer require banks to submit rates to the LIBOR administrator after 2021. This announcement signaled that the calculation of LIBOR and its continued use could not be guaranteed after 2021. A change away from LIBOR after 2021 may impact our Credit Facility and interest rate swaps. Our current credit agreement as well as our International Swaps and Derivatives Association, Inc. agreement provide for any changes away from LIBOR to a successor rate to be based on prevailing or equivalent standards. We continue to monitor developments related to the LIBOR transition and/or identification of an alternative, market-accepted rate. The impact related to any changes cannot be predicted at this time.

#### Reinvestment of Foreign Earnings

We plan to reinvest our foreign earnings to fund future non-U.S. growth and expansion, and we do not anticipate remitting such earnings to the United States. While U.S. federal tax expense has been recognized as a result of the Tax Act, no deferred tax liabilities with respect to federal and state income taxes or foreign withholding taxes have been recognized. We believe that our cash on hand in the United States, along with our Credit Facility and future domestic cash flows, are sufficient to satisfy our domestic liquidity requirements.

#### **Proceeds from Federal Energy Savings Performance Contracts**

As part of our Technical Solutions business, we enter into energy savings performance contracts ("ESPC") with the federal government pursuant to which we agree to develop, design, engineer, and construct a project and guarantee that the project will satisfy agreed-upon performance standards. Proceeds from ESPC projects are generally received in advance of construction through agreements to sell the ESPC receivables to unaffiliated third parties. We use the advances from the third parties under these agreements to finance the projects, which are recorded as cash flows from financing activities. The use of the cash received under these arrangements to pay project costs is classified as operating cash flows.

#### Effect of Inflation

The rates of inflation experienced in recent years have not had a material impact on our financial statements. We attempt to recover increased costs by increasing prices for our services, to the extent permitted by contracts and competition.

## Regulatory Environment and Environmental Compliance

Our operations are subject to various federal, state, and/or local laws regulating the discharge of materials into the environment or otherwise relating to the protection of the environment, such as discharge into soil, water, and air, and the generation, handling, storage, transportation, and disposal of waste and hazardous substances. In addition, from time to time we are involved in environmental matters at certain of our locations or in connection with our operations. Historically, the cost of complying with environmental laws or resolving environmental issues relating to locations or operations in the United States or abroad has not had a material adverse effect on our financial position, results of operations, or cash flows. We do not believe that the resolution of matters known at this time will be material.

#### **Cash Flows**

In addition to revenues and operating profit, our management views operating cash flows as a good indicator of financial performance, because strong operating cash flows provide opportunities for growth both organically and through acquisitions. Net cash provided by operating activities of continuing operations was \$262.8 million during 2019. Operating cash flows primarily depend on: revenue levels; the quality and timing of collections of accounts receivable; the timing of payments to suppliers and other vendors; the timing and amount of income tax payments; and the timing and amount of payments on insurance claims and legal settlements.

	Years Ended October					,
(in millions)		2019		2018		2017
Net cash provided by operating activities of continuing operations	\$	262.8	\$	299.7	\$	101.7
Net cash (used in) provided by operating activities of discontinued operations		(0.1)		21.2		(96.1)
Net cash provided by operating activities		262.7		320.9		5.6
Net cash used in investing activities		(58.3)		(48.1)		(871.8)
Net cash (used in) provided by financing activities		(184.8)		(295.8)		874.0

# Operating Activities of Continuing Operations

Net cash provided by operating activities of continuing operations decreased by \$36.9 million during 2019, as compared to 2018. The decrease was primarily related to the timing of client receivable collections, including a one-time settlement payment received from a client in 2018, and the absence of proceeds from the termination of interest rate swaps in 2018, partially offset by the timing of vendor payments.

Net cash provided by operating activities of continuing operations increased by \$198.0 million during 2018, as compared to 2017. The increase was primarily related to the timing of client receivable collections, including collections from acquired GCA accounts, as well as proceeds from the termination of interest rate swaps and a year-over-year reduction of required cash insurance deposits included in other assets. This increase was partially offset by the timing of vendor payments.

# Operating Activities of Discontinued Operations

Net cash used in operating activities of discontinued operations was \$0.1 million during 2019, as compared to net cash provided by operating activities of discontinued operations of \$21.2 million during 2018, a change of \$21.3 million, primarily attributable to an income tax refund received on a legal settlement during 2018.

Net cash provided by operating activities of discontinued operations was \$21.2 million during 2018, as compared to net cash used in operating activities of discontinued operations of \$96.1 million in 2017, a change of \$117.3 million, primarily attributable to the payment of a \$120.0 million legal settlement during 2017.

#### Investing Activities

Net cash used in investing activities increased by \$10.2 million during 2019, as compared to 2018. The increase was primarily related to higher additions to property, plant and equipment in 2019.

Net cash used in investing activities decreased by \$823.7 million during 2018, as compared to 2017. The decrease was primarily related to an \$853.6 million year-over-year increase in cash paid, net of cash acquired, for acquisitions, partially offset by the absence of \$35.5 million of cash proceeds from the sale of our Government Services business in 2017.

#### Financing Activities

Net cash used in financing activities decreased by \$111.0 million during 2019, as compared to 2018, primarily due to higher repayments of our borrowings in 2018.

Net cash used in financing activities was \$295.8 million during 2018, as compared to net cash provided by financing activities of \$874.0 million during 2017. The change was primarily due to higher repayments of our borrowings in 2018, as compared to higher net borrowings in 2017 to fund the GCA acquisition.

#### **Dividends**

On December 18, 2019, we announced a quarterly cash dividend of \$0.185 per share on our common stock, payable on February 3, 2020. We declared a quarterly cash dividend on our common stock every quarter during 2019, 2018, and 2017. We paid total annual dividends of \$47.7 million, \$46.0 million, and \$39.5 million during 2019, 2018, and 2017, respectively.

## **Contractual Obligations**

Commitments Due By Period									
	Total	2020 2021-2022		2023-2024		The	reafter		
\$	740.0	\$	60.0	\$	680.0	\$	_	\$	_
	68.4		_		68.4		_		_
	28.8		12.5		16.2		_		_
	206.5		42.8		65.8		46.0		51.8
	105.0		20.8		31.4		30.9		21.9
	7.5		3.1		3.8		0.7		_
	75.9		33.7		35.8		6.3		0.1
	27.6		5.1		5.7		4.5		12.2
\$	1,259.7	\$	178.1	\$	907.1	\$	88.4	\$	86.1
	\$	\$ 740.0 68.4 28.8 206.5 105.0 7.5 75.9 27.6	\$ 740.0 \$ 68.4 28.8 206.5 105.0 7.5 75.9 27.6	Total         2020           \$ 740.0         \$ 60.0           68.4         —           28.8         12.5           206.5         42.8           105.0         20.8           7.5         3.1           75.9         33.7           27.6         5.1	Total         2020         2020           \$ 740.0         \$ 60.0         \$ 60.0           68.4         —         28.8           28.8         12.5         206.5           42.8         20.8         20.8           7.5         3.1         33.7           27.6         5.1         5.1	Total         2020         2021-2022           \$ 740.0         \$ 60.0         \$ 680.0           68.4         —         68.4           28.8         12.5         16.2           206.5         42.8         65.8           105.0         20.8         31.4           7.5         3.1         3.8           75.9         33.7         35.8           27.6         5.1         5.7	Total         2020         2021-2022         2021-2022           \$ 740.0         \$ 60.0         \$ 680.0         \$           68.4         —         68.4         68.4           28.8         12.5         16.2           206.5         42.8         65.8           105.0         20.8         31.4           7.5         3.1         3.8           75.9         33.7         35.8           27.6         5.1         5.7	Total         2020         2021-2022         2023-2024           \$ 740.0         \$ 60.0         \$ 680.0         \$ —           68.4         —         68.4         —           28.8         12.5         16.2         —           206.5         42.8         65.8         46.0           105.0         20.8         31.4         30.9           7.5         3.1         3.8         0.7           75.9         33.7         35.8         6.3           27.6         5.1         5.7         4.5	Total         2020         2021-2022         2023-2024         The           \$ 740.0         \$ 60.0         \$ 680.0         \$ —         \$           68.4         —         68.4         —         —           28.8         12.5         16.2         —         —           206.5         42.8         65.8         46.0         —           105.0         20.8         31.4         30.9         —           7.5         3.1         3.8         0.7         —           75.9         33.7         35.8         6.3         —           27.6         5.1         5.7         4.5         —

<sup>(1)</sup> Borrowings under our term loan and line of credit are presented at face value.

- (2) Our estimates of future interest payments are calculated based on our hedged borrowings under our Credit Facility, using the fixed rates under our interest rate swap agreements for the applicable notional amounts. See Note 13, "Credit Facility," in the Financial Statements for additional disclosure related to our interest rate swaps. We exclude interest payments on our remaining borrowings from this table because the cash outlay for the interest is unknown. The interest payments on the borrowings under the Credit Facility will be determined based upon the average outstanding balance of our borrowings and the prevailing interest rate during that time.
- (3) Reflects our contractual obligations to make future payments under non-cancelable operating leases, capital lease agreements, and other similar commitments for various facilities, vehicles, and other equipment.
- (4) Represents leased location parking arrangements that meet the definition of service concession arrangements under Topic 853.
- (5) Reflects our contractual obligations to make future payments for outsourced services and licensing costs pursuant to our information technology agreements.
- (6) Reflects future expected payments relating to our defined benefit, postretirement, and deferred compensation plans. These amounts are based on expected future service and were calculated using the same assumptions used to measure our benefit obligation at October 31, 2019.

In addition to our company sponsored plans, we participate in certain multiemployer pension and other postretirement plans. The cost of these plans is equal to the annual required contributions determined in accordance with the provisions of negotiated collective bargaining arrangements. During 2019, 2018, and 2017, contributions made to these plans were \$345.4 million, \$339.3 million, and \$316.4 million, respectively; however, our future contributions to the multiemployer plans are dependent upon a number of factors, including the funded status of the plans, the ability of other participating companies to meet ongoing funding obligations, and the level of our ongoing participation in these plans. As the amount of future contributions that we would be contractually obligated to make pursuant to these plans cannot be reasonably estimated, such amounts have been excluded from the above table. See Note 14, "Employee Benefit Plans," in the Financial Statements for more information.

At October 31, 2019, our total liability for unrecognized tax benefits was \$12.2 million. The resolution or settlement of these tax positions with the taxing authorities is subject to significant uncertainty, and therefore we are unable to make a reliable estimate of the amount or timing of cash that may be required to settle these matters. In addition, certain of these matters may not require cash settlements due to the exercise of credits and net operating loss carryforwards as well as other offsets, including the indirect benefit from other taxing jurisdictions that may be available.

Excluded from the contractual obligations table are payments we may make for exposures for which we are self-insured, including workers' compensation, general liability, automobile liability, property damage, and other insurable risks. At October 31, 2019, our self-insurance reserves, net of recoverables, were \$443.3 million. In general, these amounts are recorded on an undiscounted basis and are classified on the consolidated balance sheets as current or long-term based on the expected settlement date. As these obligations do not have scheduled maturities, we are unable to make a reliable estimate of the amount or timing of cash that may be required to settle these matters.

We have no off-balance sheet arrangements other than unrecorded standby letters of credit and surety bonds. We use letters of credit and surety bonds in the ordinary course of business to ensure the performance of contractual obligations and to collateralize self-insurance obligations in the event we are unable to meet our claim payment obligations. As we already have reserves on our books for the claims costs, these do not represent additional liabilities. The bonds typically remain in force for one to five years and may include optional renewal periods. As of October 31, 2019, these letters of credit and surety bonds totaled \$149.8 million and \$596.8 million, respectively. Neither of these arrangements has a material current effect, or is reasonably likely to have a material future effect, on our financial condition, revenues or expenses, results of operations, liquidity, capital expenditures, or capital resources.

#### **Critical Accounting Policies and Estimates**

The preparation of consolidated financial statements in accordance with United States generally accepted accounting principles requires our management to make certain estimates that affect the reported amounts. We base our estimates on historical experience, known or expected trends, independent valuations, and various other assumptions that we believe to be reasonable under the circumstances. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. On November 1, 2018, we adopted ASU 2014-09, Revenue from Contracts with Customers (Topic 606), and ASU 2017-10, Service Concession Arrangements (Topic 853): Determining the Customer of the Operation Services. Refer to Note 2, "Basis of Presentation and Significant Accounting Policies," and Note 3, "Revenues," in the Financial Statements for additional information regarding the impact of adopting these standards. Additionally, refer to Note 2, "Basis of Presentation and Significant Accounting Policies," for other standards adopted during the first quarter of 2019, none of which had a material impact on our consolidated financial statements. There have been no other significant changes to our critical accounting policies and estimates. We believe the following critical accounting policies govern the more significant judgments and estimates used in the preparation of our financial statements.

#### Valuation of Long-Lived Assets

We evaluate our fixed assets and amortizable intangible assets for impairment whenever events or changes in circumstances indicate that the carrying amount of such assets may not be recoverable. These events and circumstances include, but are not limited to: higher than expected attrition for customer relationships; a current expectation that a long-lived asset will be disposed of significantly before the end of its previously estimated useful life, such as when we classify a business as held for sale; a significant adverse change in the extent or manner in which we use a long-lived asset; or a change in the physical condition of a long-lived asset.

Undiscounted cash flow analyses are used to determine if impairment exists; if impairment is determined to exist, the loss is calculated based on estimated fair value

Goodwill is not amortized but rather tested at least annually for impairment, or more often if events or changes in circumstances indicate it is more-likelythan-not that the carrying amount of the asset may not be recoverable. Goodwill is tested for impairment at the reporting unit level, which represents an operating segment or a component of an operating segment. Goodwill is tested for impairment by either performing a qualitative evaluation or a quantitative test. The qualitative evaluation is an assessment of factors to determine whether it is more-likely-than-not that the fair value of a reporting unit is less than its carrying amount, including goodwill. We may elect not to perform the qualitative assessment for some or all of our reporting units and instead perform a quantitative impairment test.

Our impairment evaluations require us to apply judgment in determining whether a triggering event has occurred, including the evaluation of whether it is more likely than not that a long-lived asset will be disposed of significantly before the end of its previously estimated useful life. Incorrect estimation of useful lives may result in inaccurate depreciation and amortization charges over future periods leading to future impairment.

Our impairment loss calculations contain uncertainties because they require management to make assumptions and to apply judgment to estimate future cash flows and asset fair values, including forecasting useful lives of the assets and selecting the discount rate that reflects the risk inherent in future cash flows.

We estimate the fair value of each reporting unit using a combination of the income approach and the market approach.

The income approach incorporates the use of a discounted cash flow method in which the estimated future cash flows and terminal value are calculated for each reporting unit and then discounted to present value using an appropriate discount rate.

The valuation of our reporting units requires significant judgment in evaluation of recent indicators of market activity and estimated future cash flows, discount rates, and other factors. Our impairment analyses contain inherent uncertainties due to uncontrollable events that could positively or negatively impact anticipated future economic and operating conditions.

In making these estimates, the weightedaverage cost of capital is utilized to calculate the present value of future cash flows and terminal value. Many variables go into estimating future cash flows, including estimates of our future revenue growth and operating results. When estimating our projected revenue growth and future operating results, we consider industry trends, economic data, and our competitive advantage.

The market approach estimates fair value of a reporting unit by using market comparables for reasonably similar public companies. During the last three years, we have not made any changes in the accounting methodology used to evaluate the impairment of long-lived assets or to estimate the useful lives of our long-lived assets

Additionally, we have not made any changes in the accounting methodology used to evaluate impairment of goodwill during the last three years, other than adopting ASU 2017-04, *Intangibles—Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment* in 2017.

During the third quarter of 2019, in connection with the reorganization of our Healthcare business, a goodwill impairment analysis was performed on the underlying reporting unit immediately before the reorganization, and we concluded that the estimated fair value of the underlying reporting unit substantially exceeded its carrying value immediately before the reorganization and that no further evaluation of impairment was necessary. Additionally, we performed our annual goodwill impairment analysis on August 1, 2019 and concluded that the implied fair value of each of our reporting units was substantially in excess of its carrying value and that no further evaluation of impairment was necessary. A 10% decrease in the estimated fair value of any of our reporting units would not have resulted in a different conclusion.

During 2018 we performed a qualitative goodwill impairment analysis for each of our reporting units on November 1, 2017 when we reorganized our reportable segments and reporting units following the integration of GCA into our industry group model. We concluded that goodwill related to those reporting units was not impaired and further quantitative testing was not required.

In connection with our annual goodwill impairment analysis performed on August 1, 2018, we recorded an impairment charge of \$20.3 million on goodwill and \$6.2 million on customer relationships for one of our reporting units within the Technical Solutions segment. This reporting unit's performance declined during 2018 primarily due to the adverse impact of Brexit and the resulting impact on microeconomic conditions in the U.K. retail sector, as well as the anticipated loss of a significant customer contract. In performing our annual goodwill impairment analysis, we determined there was a revised future outlook for this business, including reduced expectations of future sales, operating margins, and cash flows. In analyzing our other goodwill reporting units, we concluded that goodwill related to these other reporting units was not impaired.

During 2017, we recorded a \$17.4 million impairment recovery related to the sale of our Government Services business to adjust the fair value of certain previously impaired assets to the valuation of the assets as implied by the agreed-upon sales price, less estimated costs to sell.

# Insurance Reserves

We use a combination of insured and selfinsurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks.

Insurance claim liabilities represent our estimate of retained risks without regard to insurance coverage. We retain a substantial portion of the risk related to certain workers' compensation and medical claims. Liabilities associated with these losses include estimates of both claims filed and IBNR Claims.

With the assistance of third-party actuaries, we periodically review our estimate of ultimate losses for IBNR Claims and adjust our required self-insurance reserves as appropriate. As part of this evaluation, we review the status of existing and new claim reserves as established by our third-party claims administrators.

The third-party claims administrators establish the case reserves based upon known factors related to the type and severity of the claims, demographic data, legislative matters, and case law, as appropriate.

We compare actual trends to expected trends and monitor claims development.

The specific case reserves estimated by the third-party administrators are provided to an actuary who assists us in projecting an actuarial estimate of the overall ultimate losses for our self-insured or high deductible programs, which includes the case reserves plus an actuarial estimate of reserves required for additional development, including IBNR Claims.

We utilize the results of actuarial studies to estimate our insurance rates and insurance reserves for future periods and to adjust reserves, if appropriate, for prior years. Our self-insurance liabilities contain uncertainties due to assumptions required and judgment used.

Costs to settle our obligations, including legal and healthcare costs, could fluctuate and cause estimates of our self-insurance liabilities to change.

Incident rates, including frequency and severity, could fluctuate and cause the estimates in our self-insurance liabilities to change.

These estimates are subject to: changes in the regulatory environment; fluctuations in projected exposures, including payroll, revenues, and the number of vehicle units; and the frequency, lag, and severity of claims.

The full extent of certain claims, especially workers' compensation and general liability claims, may not be fully determined for several years.

In addition, if the reserves related to selfinsurance or high deductible programs from acquired businesses are not adequate to cover damages resulting from future accidents or other incidents, we may be exposed to substantial losses arising from future development of the claims. We have not made any changes in the accounting methodology used to establish our self-insurance liabilities during the past three years.

After analyzing the recent loss development patterns, comparing the loss development patterns against benchmarks, and applying actuarial projection methods to estimate the ultimate losses, we decreased our total reserves for known claims as well as our estimate of the loss amounts associated with IBNR Claims for prior years by \$3.4 million during 2019. During 2018 and 2017, we increased such reserves by \$10.2 million and \$22.0 million, respectively.

It is possible that actual results could differ from recorded self-insurance liabilities. A 10% change in our projected ultimate losses would have affected net income by approximately \$32.4 million for 2019

#### **Contingencies and Litigation**

We are a party to a number of lawsuits, claims, and proceedings incident to the operation of our business, including those pertaining to labor and employment, contracts, personal injury, and other matters, some of which allege substantial monetary damages. Some of these actions may be brought as class actions on behalf of a class or purported class of employees.

We accrue for loss contingencies when losses become probable and are reasonably estimable. If the reasonable estimate of the loss is a range and no amount within the range is a better estimate, the minimum amount of the range is recorded as a liability.

We do not accrue for contingent losses that, in our judgment, are considered to be reasonably possible but not probable. Litigation outcomes are difficult to predict and are often resolved over long periods of time

Estimating probable and reasonably possible losses requires the analysis of multiple possible outcomes that often depend on judgments about potential actions by third parties, such as future changes in facts and circumstances, differing interpretations of the law, assessments of the amount of damages, and other factors beyond our control. There is the potential for a material adverse effect on our financial statements if one or more matters are resolved in a particular period in an amount materially in excess of what we anticipated.

In addition, in some cases, although a loss is probable or reasonably possible, we cannot reasonably estimate the maximum potential losses for probable matters or the range of losses for reasonably possible matters. Therefore, our accrual for probable losses and our estimated range of loss for reasonably possible losses do not represent our maximum possible exposure.

We have not made any changes in the accounting methodology used to establish our loss contingencies during the past three years.

Our management currently estimates the range of loss for all reasonably possible losses for which a reasonable estimate of the loss can be made is between zero and \$6 million. Factors underlying this estimated range of loss may change from time to time, and actual results may vary significantly from this estimate.

# **Recent Accounting Pronouncements**

Accounting Standard Update(s)	Торіс	Summary	Effective Date/Method of Adoption
2019-07	Codification Updates to SEC Sections—Amendments to SEC Paragraphs Pursuant to SEC Final Rule Releases No. 33- 10532, "Disclosure Update and Simplification," and Nos. 33- 10231 and 33-10442, "Investment Company Reporting Modernization," and Miscellaneous Updates.	The Financial Accounting Standards Board ("FASB") issued this ASU in July 2019 to codify the SEC releases that clarify and improve the disclosure and presentation requirements of a variety of codification topics, thereby eliminating certain disclosure requirements that were redundant, duplicative, overlapping, outdated, or superseded.  We adopted the amendments under the SEC releases in the second quarter of 2019, as described in Note 2, "Basis of Presentation and Significant Accounting Policies," in the Financial Statements. The eliminated or amended disclosures did not have a material impact on our consolidated financial statements.	Effective upon issuance, applied prospectively.
2019-05	Financial Instruments—Credit Losses (Topic 326): Targeted Transition Relief.	This ASU, issued in May 2019, provides targeted transition relief allowing entities to make an irrevocable one-time election upon adoption of the new credit losses standard to measure financial assets previously measured at amortized cost (except held-to-maturity securities) using the fair value option.  We are currently evaluating the impact of implementing this guidance on our financial statements.	This update will be adopted in conjunction with ASU 2016-13, as further described below.
2019-04	Codification Improvements to Topic 326: Financial Instruments—Credit Losses; Topic 815: Derivatives and Hedging; and Topic 825: Financial Instruments.	This ASU, issued in April 2019, provides narrow-scope amendments designed to assist in the application of the following updates and the related accounting standards:  (1) ASU 2016-13, Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses on Financial Statements;  (2) ASU 2017-12, Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities; and  (3) 2016-01, Financial Instruments—Overall (Subtopic 825-10): Recognition and Measurement of Financial Assets and Financial Liabilities.  We are currently evaluating the impact of implementing the guidance related to (1) and (3) on our financial statements. We adopted the guidance related to (2) effective November 1, 2019 on a prospective basis without significant impact on our consolidated financial statements.	(1) The amendments related to ASU 2016-13 will be adopted in conjunction with that ASU, as further described below.  (3) Since we already adopted ASU 2016-01, the related amendments are effective for us on November 1, 2020 and will be applied using a modified-retrospective adoption approach with a cumulative-effect adjustment to retained earnings.
2018-18	Collaborative Arrangements (Topic 808): Clarifying the Interaction between Topic 808 and Topic 606.	This ASU, issued in November 2018, provides guidance on whether certain transactions between collaborative arrangement participants should be accounted for as revenue under Topic 606. It specifically addresses when the participant is a customer in the context of a unit of account, adds unit of account guidance in Topic 808 to align with guidance in Topic 606, and precludes presenting the collaborative arrangement transaction together with revenue recognized under Topic 606 if the collaborative arrangement participant is not a customer.  We are currently evaluating the impact of implementing this guidance on our financial statements.	November 1, 2020 This update will be applied retrospectively.
2018-17	Consolidation (Topic 810): Targeted Improvements to Related Party Guidance for Variable Interest Entities.	This ASU, issued in October 2018, provides that indirect interests held through related parties in common control arrangements should be considered on a proportional basis for determining whether fees paid to decision makers and service providers are variable interest.  We are currently evaluating the impact of implementing this guidance on our financial statements.	November 1, 2020 This update will be applied retrospectively.

Accounting Standard Update(s)	Торіс	Summary	Effective Date/Method of Adoption
2018-16	Derivatives and Hedging (Topic 815): Inclusion of the Secured Overnight Financing Rate (SOFR) Overnight Index Swap (OIS) Rate as a Benchmark Interest Rate for Hedge Accounting Purposes.	This ASU, issued in October 2018, adds the Overnight Index Swap ("OIS") rate based on the SOFR (a swap rate based on the underlying overnight SOFR rate) as an eligible benchmark interest rate for purposes of applying hedge accounting. SOFR is a volume-weighted median interest rate that is calculated daily based on overnight transactions from the prior day's trading activity in specified segments of the U.S. Treasury repo market. SOFR was selected by the Alternative Reference Rates Committee as its preferred alternative reference rate to LIBOR.	Since we early adopted ASU 2017-12, this update will be effective for us on November 1, 2020 on a prospective basis.
		We are currently evaluating the impact of implementing this guidance on our financial statements.	
2018-15	Intangibles—Goodwill and Other —Internal-Use Software (Subtopic 350-40): Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is	This ASU, issued in August 2018, aligns the requirements for capitalizing implementation costs incurred in a hosting arrangement that is a service contract with the requirements for capitalizing implementation costs incurred to develop or obtain internal-use software.  We are currently evaluating the impact of implementing this guidance on	November 1, 2020  This update will be applied either prospectively or retrospectively.
2018-14	a Service Contract.  Compensation—Retirement	our financial statements.  This ASU, issued in August 2018, modifies the disclosure requirements	November 1, 2020
	Benefits—General (Topic 715).	on company-sponsored defined benefit plans.  We are currently evaluating the impact of implementing this guidance on our financial statements.	This update will be applied retrospectively.
2018-13	Fair Value Measurement (Topic 820): Disclosure Framework.	This ASU, issued in August 2018, modifies the disclosure requirements on fair value measurements by removing certain disclosure requirements related to the fair value hierarchy, modifying existing disclosure requirements related to measurement uncertainty, and adding new disclosure requirements.  We are currently evaluating the impact of implementing this guidance on our financial statements.	November 1, 2020  The amendments related to disclosure requirements within this update will be applied prospectively and the other amendments will be applied retrospectively.
2016-13	Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses on Financial Statements.	This ASU, issued in June 2016, replaces the existing incurred loss impairment model with a methodology that incorporates all expected credit loss estimates, resulting in more timely recognition of losses.  We are currently evaluating the impact of implementing this guidance on our financial statements.	November 1, 2020  This standard will be applied using a modified retrospective adoption approach with a cumulative-effect adjustment to retained earnings as of the beginning of the year of adoption, except for certain provisions that are required to be applied prospectively.
2016-02 2018-10 2018-11 2019-01	Leases (Topic 842).	ASU 2016-02 was issued in February 2016 to improve transparency and comparability among organizations by requiring lessees to recognize lease assets and lease liabilities on the balance sheet and to disclose key information about leasing arrangements. Additional ASUs have since been issued which provide amended and additional guidance for the implementation of ASU 2016-02. All related guidance has been codified into, and is now known as, ASC 842, Leases.  The anticipated effect of adoption is described in Note 2, "Basis of Presentation and Significant Accounting Policies," in the Financial Statements.	November 1, 2019  We will adopt this guidance using a modified retrospective transition approach for leases existing at, or entered into after, the adoption date and will recognize a cumulative-effect adjustment to the opening balance of retained earnings in the period of adoption.

#### ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK.

We have market risk exposure related to interest rates and foreign currency exchange rates. Market risk is measured as the potential negative impact on earnings, cash flows, or fair values resulting from a hypothetical change in interest rates or foreign currency exchange rates.

#### **Interest Rate Risk**

We are primarily exposed to interest rate risk through our variable rate borrowings under our Credit Facility. At October 31, 2019, we had total outstanding borrowings of \$808.4 million. To limit exposure to upward movements in interest rates, we entered into interest rate swap agreements to fix the interest rates on a substantial portion of our outstanding borrowings. At October 31, 2019, we had interest rate swaps with an underlying notional amount of \$440.0 million and fixed interest rates of 2.83%, 2.84%, and 2.86%. Based on our average borrowings, interest rates, and interest rate swaps in effect at October 31, 2019, a 100 basis point increase in LIBOR would decrease our future earnings and cash flows by \$4.3 million. For 2018, our market risk exposure related to interest rate fluctuations was \$5.4 million. As actual interest rate movements over time are uncertain, our interest rate swaps pose potential interest rate risks if interest rates decrease. As of October 31, 2019, the fair value of our interest rate swap agreements was a liability of \$14.6 million.

# Foreign Currency Exchange Rate Risk

We are primarily exposed to the impact of foreign exchange rate risk through our U.K. operations where the functional currency is the Great Britain Pound. As we intend to remain permanently invested in these foreign operations, we do not utilize hedging instruments to mitigate foreign currency exchange risks. If we change our intent with respect to such international investment, we would expect to implement strategies designed to manage those risks in an effort to mitigate the effect of foreign currency fluctuations on our earnings and cash flows.

## ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA.

#### Report of Independent Registered Public Accounting Firm

To the Stockholders and Board of Directors ABM Industries Incorporated:

#### Opinion on the Consolidated Financial Statements

We have audited the accompanying consolidated balance sheets of ABM Industries Incorporated and subsidiaries (the Company) as of October 31, 2019 and 2018, the related consolidated statements of comprehensive income, stockholders' equity, and cash flows for each of the years in the three-year period ended October 31, 2019, and the related notes and financial statement Schedule II (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 October 31, 2019 and 2018, and the results of its operations and its cash flows for each of the years in the three-year period ended October 31, 2019, in conformity with U.S. generally accepted accounting principles.

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 October 31, 2019, 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 December 20, 2019 expressed an unqualified opinion of the effectiveness of the Company's internal control over financial reporting.

#### 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 audit 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.

#### Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgment. The communication of a critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

#### Evaluation of self-insurance liabilities

As discussed in Notes 2 and 12 to the consolidated financial statements, the Company uses a combination of insured and self-insurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks. The balance of insurance reserves, net of recoverables, as of October 31, 2019 amounted to \$443.3 million. The Company engages actuaries to estimate its self-insurance liabilities at least annually.

We identified the evaluation of the self-insurance liabilities as a critical audit matter because it involves a high degree of judgment and actuarial expertise to: (1) assess the actuarial models used and (2) estimate incurred but not reported claims based on application of loss development factors to historical claims experience.

The primary procedures we performed to address this critical audit matter included the following. We tested certain internal controls over the Company's self-insurance reserve process to (1) evaluate claims information sent to the actuary, (2) estimate incurred but not reported claims based on the application of loss development factors to historical claims experience, and (3) evaluate the actuarial report and the external actuarial expert's qualifications, competency, and objectivity. We evaluated the Company's historical ability to estimate self-insurance liabilities by comparing the prior year recorded amounts to the subsequent claim development. We tested a sample of the claims data utilized by the Company's actuaries by comparing to underlying claims details; and involved an actuarial professional with specialized skills and knowledge who assisted in the:

- · Assessment of the actuarial models used by the Company for consistency with generally accepted actuarial standards, and
- Development of an independent actuarial estimate of self-insurance liabilities based on the Company's underlying historical paid and incurred loss data.

/s/ KPMG LLP

We have served as the Company's auditor since 1980.

New York, New York December 20, 2019

## Report of Independent Registered Public Accounting Firm

To the Stockholders and Board of Directors ABM Industries Incorporated:

## Opinion on Internal Control Over Financial Reporting

We have audited ABM Industries Incorporated and subsidiaries' (the Company) internal control over financial reporting as of October 31, 2019, 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 October 31, 2019, 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 October 31, 2019 and 2018, the related consolidated statements of comprehensive income, stockholders' equity, and cash flows for each of the years in the three-year period ended October 31, 2019, and the related notes and financial statement Schedule II (collectively, the consolidated financial statements), and our report dated December 20, 2019 expressed an unqualified opinion on those consolidated financial statements.

#### 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

New York, New York December 20, 2019

# **CONSOLIDATED BALANCE SHEETS**

	October 31,			,
(in millions, except share and per share amounts)		2019		2018
ASSETS				
Current assets				
Cash and cash equivalents	\$	58.5	\$	39.1
Trade accounts receivable, net of allowances of \$22.4 and \$19.2 at October 31, 2019 and 2018, respectively		1,013.2		1,014.1
Costs incurred in excess of amounts billed		72.6		_
Prepaid expenses		75.7		80.8
Other current assets		55.5		37.0
Total current assets		1,275.4		1,171.0
Other investments		14.0		16.3
Property, plant and equipment, net of accumulated depreciation of \$199.5 and \$153.9 at October 31, 2019 and 2018, respectively		150.3		140.1
Other intangible assets, net of accumulated amortization of \$309.0 and \$250.4 at October 31, 2019 and 2018, respectively		297.2		355.7
Goodwill		1,835.4		1,834.8
Other noncurrent assets		120.3		109.6
Total assets	\$	3,692.6	\$	3,627.5
LIABILITIES AND STOCKHOLDERS' EQUITY				
Current liabilities				
Current portion of long-term debt, net	\$	57.2	\$	37.0
Trade accounts payable		280.7		221.9
Accrued compensation		189.3		172.1
Accrued taxes—other than income		63.6		56.0
Insurance claims		149.8		149.5
Income taxes payable		3.5		3.2
Other accrued liabilities		158.2		152.7
Total current liabilities		902.4		792.5
Long-term debt, net		744.2		902.0
Deferred income tax liability, net		47.7		37.8
Noncurrent insurance claims		365.2		360.8
Other noncurrent liabilities		78.8		62.9
Noncurrent income taxes payable		12.2		16.9
Total liabilities		2,150.6		2,172.9
Commitments and contingencies				
Stockholders' Equity				
Preferred stock, \$0.01 par value; 500,000 shares authorized; none issued		_		_
Common stock, \$0.01 par value; 100,000,000 shares authorized; 66,571,427 and 66,004,361 shares issued and outstanding at		0.7		0.7
October 31, 2019 and 2018, respectively		0.7 708.9		0.7
Additional paid-in capital				691.8
Accumulated other comprehensive loss, net of taxes		(23.9)		(9.0)
Retained earnings		856.3		771.2
Total stockholders' equity	•	1,542.0	•	1,454.6
Total liabilities and stockholders' equity	\$	3,692.6	\$	3,627.5

# CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

	Years Ended October 31,					J		
(in millions, except per share amounts)		2019		2018		2017		
Revenues	\$	6,498.6	\$	6,442.2	\$	5,453.6		
Operating expenses		5,767.5		5,747.4		4,881.2		
Selling, general and administrative expenses		452.9		438.0		436.6		
Restructuring and related expenses		11.2		25.7		20.9		
Amortization of intangible assets		58.5		66.0		31.6		
Impairment loss (recovery)		_		26.5		(18.5)		
Operating profit		208.3		138.6		101.9		
Income from unconsolidated affiliates		3.0		3.2		4.2		
Interest expense		(51.1)		(54.1)		(19.2)		
Income from continuing operations before income taxes		160.2		87.7		86.9		
Income tax (provision) benefit		(32.7)		8.2		(8.8)		
Income from continuing operations		127.5		95.9		78.1		
(Loss) income from discontinued operations, net of taxes		(0.1)		1.8		(74.3)		
Net income		127.4		97.8		3.8		
Other comprehensive income (loss)					1			
Interest rate swaps and other		(22.4)		21.9		2.7		
Foreign currency translation		1.6		(4.7)		9.7		
Income tax benefit (provision)		5.9		(5.9)		(1.1)		
Comprehensive income	\$	112.5	\$	109.0	\$	15.2		
Net income per common share — Basic								
Income from continuing operations	\$	1.92	\$	1.45	\$	1.35		
Income (loss) from discontinued operations		_		0.03		(1.29)		
Net income	\$	1.91	\$	1.48	\$	0.07		
Net income per common share — Diluted								
Income from continuing operations	\$	1.91	\$	1.45	\$	1.34		
Income (loss) from discontinued operations		<u> </u>		0.03		(1.27)		
Net income	\$	1.90	\$	1.47	\$	0.07		
Weighted-average common and common equivalent shares outstanding								
Basic		66.6		66.1		57.7		
Diluted		66.9		66.4		58.3		

## **CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**

Years Ended October 31, 2017 2019 2018 Shares (in millions) **Shares** Amount **Shares** Amount **Amount Common Stock** 66.0 \$ 0.7 65.5 \$ 0.7 55.6 \$ 0.6 Balance, beginning of year Stock issued under employee stock purchase and share-based compensation plans 0.6 0.5 0.7 Stock issued in GCA acquisition, net of shares withheld for taxes 9.4 0.1 Repurchase of common stock (0.2)Balance, end of year 66.6 0.7 66.0 0.7 65.5 0.7 **Additional Paid-in Capital** 691.8 675.2 248.6 Balance, beginning of year Taxes withheld under employee stock purchase and share-based compensation plans, net (0.3)(0.4)(0.1)Share-based compensation expense 17.5 17.0 13.3 Stock issued in GCA acquisition, net of shares withheld for taxes 421.3 Repurchase of common stock (7.9)Balance, end of year 708.9 691.8 675.2 **Accumulated Other Comprehensive Loss, Net of Taxes** Balance, beginning of year (9.0)(20.3)(31.6) Other comprehensive (loss) income (14.9)11.3 11.3 Balance, end of year (23.9)(9.0)(20.3)**Retained Earnings** Balance, beginning of year 771.2 720.1 756.4 Net income 127.4 97.8 3.8 Dividends Common stock (\$0.720, \$0.700, and \$0.680 per share) (47.7)(46.0)(39.5)Stock issued under share-based compensation plans (1.0)(0.6)(0.6)Cumulative effect adjustment for adoption of Accounting Standards Update 2014-09 6.5 856.3 Balance, end of year 771.2 720.1 Total Stockholders' Equity \$ 1,542.0 1,454.6 1,375.7

# **CONSOLIDATED STATEMENTS OF CASH FLOWS**

		Ι,		
(in millions)	2019	2018	2017	
Cash flows from operating activities				
Net income	\$ 127.4	\$ 97.8	\$ 3.8	
Loss (income) from discontinued operations, net of taxes	0.1	(1.8)	74.3	
Income from continuing operations	127.5	95.9	78.1	
Adjustments to reconcile income from continuing operations to net cash provided by operating activities of continuing operations				
Depreciation and amortization	107.4	112.5	70.1	
Proceeds from termination of interest rate swaps	_	25.9	_	
Impairment loss (recovery)	_	26.5	(18.5)	
Deferred income taxes	9.7	(23.7)	(6.1)	
Share-based compensation expense	17.5	17.0	13.3	
Provision for bad debt	6.7	6.4	4.1	
Discount accretion on insurance claims	0.8	0.8	0.2	
(Gain) loss on sale of assets	(0.6	0.5	(2.7)	
Income from unconsolidated affiliates	(3.0)	(3.2)	(4.2)	
Distributions from unconsolidated affiliates	5.4	1.9	5.7	
Changes in operating assets and liabilities, net of effects of acquisitions				
Trade accounts receivable and costs incurred in excess of amounts billed	(78.3)	16.0	(115.7)	
Prepaid expenses and other current assets	(13.2)	2.4	(6.4)	
Other noncurrent assets	4.5	11.3	(7.6)	
Trade accounts payable and other accrued liabilities	85.8	(1.5)	74.4	
Insurance claims	3.9	13.9	33.5	
Income taxes payable	3.2	0.7	(22.5)	
Other noncurrent liabilities	(14.4)	(3.7)	6.0	
Total adjustments	135.3	203.7	23.6	
Net cash provided by operating activities of continuing operations	262.8	299.7	101.7	
Net cash (used in) provided by operating activities of discontinued operations	(0.1)	21.2	(96.1)	
Net cash provided by operating activities	262.7	320.9	5.6	
Cash flows from investing activities				
Additions to property, plant and equipment	(59.6)	(50.9)	(57.2)	
Proceeds from sale of assets	1.3	2.3	4.0	
(Adjustments to) and proceeds from sale of business	_	(1.9)	35.5	
Purchase of businesses, net of cash acquired	_	_	(853.6)	
Proceeds from redemption of auction rate security	_	2.9	_	
Investments in unconsolidated affiliates	_	(0.4)	(0.4)	
Net cash used in investing activities	(58.3		(871.8)	
Cash flows from financing activities	(000)	(1011)	(31.112)	
Taxes withheld from issuance of share-based compensation awards, net	(1.3	) (1.0)	(0.7)	
Repurchases of common stock	(		(7.9)	
Dividends paid	(47.7)	(46.0)	(39.5)	
Deferred financing costs paid		(0.1)	(18.7)	
Borrowings from credit facility	1,755.9	1,184.2	1,880.1	
Repayment of borrowings from credit facility	(1,896.5		(957.2)	
Changes in book cash overdrafts	(0.2		15.8	
Financing of energy savings performance contracts	8.1	5.4	6.8	
Repayment of capital lease obligations	(3.1		(0.9)	
Payment of contingent consideration			(3.8)	
Net cash (used in) provided by financing activities	(184.8	(295.8)	874.0	
Effect of exchange rate changes on cash and cash equivalents	(0.2		1.5	
· · · · · · · · · · · · · · · · · · ·	19.4	_	9.3	
Net increase (decrease) in cash and cash equivalents  Cash and cash equivalents at beginning of year	39.1	(23.7) 62.8	53.5	
Cash and cash equivalents at beginning of year	\$ 58.5	\$ 39.1	\$ 62.8	
Cash and cash equivalents at end of year	φ 58.5	φ 39.1	φ 02.8	

# **CONSOLIDATED STATEMENTS OF CASH FLOWS**

# (continued)

	 Years Ended October 31,									
(in millions)	 2019		2018	2017						
Supplemental cash flow information										
Income tax payments (refunds), net	\$ 20.6	\$	(1.0) \$	11.8						
Interest paid on credit facility	39.9		49.6	8.1						
Non-cash investing and financing activities										
Stock issued in GCA acquisition, net of shares withheld for taxes	_		_	421.3						

#### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

#### 1. THE COMPANY AND NATURE OF OPERATIONS

ABM Industries Incorporated, which operates through its subsidiaries (collectively referred to as "ABM," "we," "us," "our," or the "Company"), is a leading provider of integrated facility services with a mission to make a difference, every person, every day. We are organized into four industry groups and one Technical Solutions segment:



**Aviation** 



Business & Industry



Education



Technology & Manufacturing



Technical Solutions

Through these groups, we offer janitorial, facilities engineering, parking, and specialized mechanical and electrical technical solutions, on a standalone basis or in combination with other services.

## 2. BASIS OF PRESENTATION AND SIGNIFICANT ACCOUNTING POLICIES

## **Basis of Presentation and Principles of Consolidation**

The consolidated financial statements and accompanying notes (the "Financial Statements") have been prepared in accordance with United States generally accepted accounting principles ("U.S. GAAP") and with the rules and regulations of the Securities and Exchange Commission ("SEC"), specifically Regulation S-X and the instructions to Form 10-K. Unless otherwise indicated, all references to years are to our fiscal year, which ends on October 31.

The Financial Statements include the accounts of ABM and all of our consolidated subsidiaries. We account for ABM's investments in unconsolidated affiliates under the equity method of accounting. We include the results of acquired businesses in the consolidated statements of comprehensive income from their respective acquisition dates. All intercompany accounts and transactions have been eliminated in consolidation.

The preparation of consolidated financial statements in accordance with U.S. GAAP requires our management to make certain estimates that affect the reported amounts. We base our estimates on historical experience, known or expected trends, independent valuations, and various other assumptions that we believe to be reasonable under the circumstances. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates.

We round amounts in the Financial Statements to millions and calculate all percentages and per-share data from the underlying whole-dollar amounts. Thus, certain amounts may not foot, crossfoot, or recalculate based on reported numbers due to rounding.

## **Acquisition of GCA Services Group**

On September 1, 2017 (the "Acquisition Date"), we completed the acquisition of GCA Services Group ("GCA"). Accordingly, our consolidated statements of comprehensive income and statements of cash flows include GCA's results of operations in 2019 and 2018, but exclude GCA's results of operations in 2017 prior to the Acquisition Date. See Note 4, "Acquisitions," for further information on the acquisition of GCA.

#### **Government Services**

At October 31, 2016, the assets and liabilities of our former Government Services business were classified as held for sale, at which time we wrote down goodwill and long-lived assets of this business by \$22.5 million to reflect our best estimate of fair value less costs to sell, using all information available at that time. During the second quarter of 2017, we received an offer from a strategic buyer to purchase this business for approximately \$35.0 million, which was higher than our previous estimate of fair value less costs to sell. As a result, we recorded a \$17.4 million impairment recovery to adjust the fair value of certain previously impaired assets to the valuation of the assets as implied by the agreed-upon sales price, less estimated costs to sell. We sold this business on May 31, 2017 for \$35.5 million and recorded a pre-tax gain of \$1.2 million. The impairment charges, subsequent recovery, and gain on sale are reflected in impairment loss (recovery) in the accompanying consolidated statements of comprehensive income. The reported results for this business are through the date of sale and future results could include run-off costs.

#### **Prior Year Reclassifications**

Effective November 1, 2018, we have modified the presentation of inter-segment revenues, which are recorded at cost with no associated intercompany profit or loss and are eliminated in consolidation. Additionally, during the third quarter of 2019, we made changes to our operating structure to better align the services and expertise of our Healthcare business with our other industry groups, allowing us to leverage our existing branch network to support the long-term growth of this business. As a result, our former Healthcare portfolio is now included primarily in our Business & Industry segment. Our prior period segment data in Note 19, "Segment and Geographic Information," has been reclassified to conform with our current period presentation. These changes had no impact on our previously reported consolidated financial statements.

# **Cash and Cash Equivalents**

We consider all highly liquid securities with an original maturity of three months or less to be cash and cash equivalents. As part of our cash management system, we use "zero balance" accounts to fund our disbursements. Under this system, at the end of each day the bank balance is zero, while the book balance is usually a negative amount due to reconciling items, such as outstanding checks. We report the changes in these book cash overdrafts as cash flows from financing activities.

#### Trade Accounts Receivable and Costs Incurred in Excess of Amounts Billed

Trade accounts receivable arise from services provided to our clients and are usually due and payable on varying terms from receipt of the invoice to net ninety days, with the exception of certain Technical Solutions project receivables that may have longer collection periods. These receivables are recorded at the invoiced amount and normally do not bear interest. In addition, our trade accounts receivable include unbilled receivables, such as invoices for services that have been provided but are not yet billed.

Costs incurred in excess of amounts billed arise from Technical Solutions project contracts that typically provide for a schedule of billings or invoices to the client based on our performance to date of specific tasks inherent in the fulfillment of our performance obligation(s). The schedules for such billings usually do not precisely match the schedule on which costs are incurred. As a result, revenues generally differ from amounts that can billed or invoices to the client at any point during the contract.

# Allowance for Doubtful Accounts

We determine the allowance for doubtful accounts based on historical write-offs, known or expected trends, and the identification of specific balances deemed uncollectible. For the specifically identified balances, we establish the reserve upon the earlier of a client's inability to meet its financial obligations or after a period of twelve months, unless our management believes such amounts will ultimately be collectible.

## Sales Allowance

In connection with our service contracts, we periodically issue credit memos to our clients that are recorded as a reduction in revenues and an increase to the allowance for billing adjustments. These credits can result from client vacancy discounts, job cancellations, property damage, and other items. We estimate our potential future losses on these client receivables based on an analysis of the historical rate of sales adjustments (credit memos, net of re-bills) and known or expected trends.

#### **Other Current Assets**

At October 31, 2019 and 2018, other current assets primarily consisted of other receivables, short-term insurance recoverables, and capitalized commissions.

#### Other Investments

At October 31, 2019 and 2018, other investments primarily consisted of investments in unconsolidated affiliates and in auction rate securities.

#### Investments in Unconsolidated Affiliates

We own non-controlling interests (generally 20% to 50%) in certain affiliated entities that predominantly provide facility solutions to governmental and commercial clients, primarily in the United States and the Middle East. We account for such investments under the equity method of accounting. We evaluate our equity method investments for impairment whenever events or changes in circumstances indicate that the carrying amounts of such investments may not be recoverable. An impairment loss is recognized to the extent that the estimated fair value of the investment is less than its carrying amount and we determine that the impairment is other-than-temporary. At October 31, 2019, 2018, and 2017, our investments in unconsolidated affiliates were \$8.9 million, \$11.3 million, and \$9.3 million, respectively. We did not recognize any impairment charges on these investments in 2019, 2018, or 2017.

#### Investments in Auction Rate Securities

Our investments in auction rate securities are classified as available-for-sale. Accordingly, auction rate securities are presented at fair value with unrealized gains and losses recorded in accumulated other comprehensive income (loss), net of taxes ("AOCI"). On a quarterly basis, we analyze all auction rate securities that have unrealized losses for impairment consideration and assess the intent to sell such securities. If such intent exists, impaired securities are considered other-than-temporarily impaired and we recognize the entire difference between the auction rate security's amortized cost and its fair value in earnings. We also consider if we may be required to sell the securities prior to the recovery of amortized cost, which may trigger an impairment charge. If these securities are considered impaired, we assess whether the amortized costs of the securities can be recovered by reviewing several factors, including credit risks associated with the issuer. If we do not expect to recover the entire amortized cost of the security, we consider the security to be other-than-temporarily impaired, and record the difference between the security's amortized costs and its recoverable amount in earnings and the difference between the security's amortized cost and fair value in AOCI.

# **Property, Plant and Equipment**

We record property, plant and equipment at cost. Repairs and maintenance expenditures are expensed as incurred. In contrast, we capitalize major renewals or replacements that substantially extend the useful life of an asset. We determine depreciation for financial reporting purposes using the straight-line method over the following estimated useful lives:

Category	<u>Years</u>
Computer equipment and software	3–5
Machinery and other equipment	3–5
Transportation equipment	1.5–10
Buildings	10–40
Furniture and fixtures	5

In addition, we depreciate assets under capital leases and leasehold improvements over the shorter of their estimated useful lives or the remaining lease term. Upon retirement or sale of an asset, we remove the cost and accumulated depreciation from our consolidated balance sheets. When applicable, we record corresponding gains or losses within the accompanying consolidated statements of comprehensive income.

#### Leases

We enter into various noncancelable lease agreements for premises and equipment used in the normal course of business. We evaluate the lease agreement at the inception of the lease to determine whether the lease is an operating lease or capital lease.

We account for rent expense under noncancelable operating leases with escalation clauses on a straight-line basis over the initial lease term. A deferred liability is recorded for the amount of the excess of straight-line rent expense over scheduled payments. We do not assume renewals in our determination of the lease term unless the renewals are deemed to be reasonably assured at lease inception. We may also be required to make additional payments to reimburse the lessors for operating expenses such as real estate taxes, maintenance, utilities, and insurance, which are expensed as incurred. We enter into leases of parking lots and garages that contain contingent payment provisions. Under these provisions, we pay contingent amounts in addition to base rent, primarily based on percentages of the gross receipts or other financial parameters attributable to the related facilities. We record contingent rent as it becomes probable that specified targets will be met.

We record each capital lease as an asset and an obligation at an amount that is equal to the present value of the minimum lease payments over the lease term.

#### **Goodwill and Other Intangible Assets**

Goodwill represents the excess purchase price of acquired businesses over the fair value of the assets acquired and liabilities assumed. We have elected to make the first day of our fourth quarter, August 1st, the annual impairment assessment date for goodwill. However, we could be required to evaluate the recoverability of goodwill more often if impairment indicators exist. Goodwill is tested for impairment at a "reporting unit" level by performing either a qualitative evaluation or a quantitative test. The qualitative evaluation is an assessment of factors to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount. We may elect not to perform the qualitative assessment for some or all reporting units and perform a quantitative test instead, under which fair value is determined based on discounted cash flow analyses. The discounted estimates of future cash flows include significant management assumptions, such as revenue growth rates, operating margins, weighted average cost of capital, and future economic and market conditions. In 2017, we adopted Accounting Standards Update ("ASU") 2017-04, Intangibles—Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment, which allows us to test goodwill for impairment by comparing the fair value of a reporting unit to its carrying amount. If the fair value of a reporting unit is less than its carrying value, an impairment charge will be recorded for the difference between the fair value and carrying value, but it is limited to the carrying value of the reporting unit's goodwill.

Other intangible assets primarily consist of acquired customer contracts and relationships that are amortized using the sum-of-the-years-digits method over their useful lives, consistent with the estimated useful life considerations used in the determination of their fair values. This accelerated method of amortization reflects the pattern in which the economic benefits from the intangible assets of customer contracts and relationships are expected to be realized. We amortize other non-customer acquired intangibles using a straight-line method of amortization. We evaluate other intangible assets, as well as our long-lived assets, for impairment whenever events or changes in circumstances indicate that the carrying amount of such assets may not be recoverable. When this occurs, a recoverability test is performed that compares the projected undiscounted cash flows from the use and eventual disposition of an asset or asset group to its carrying amount. If the projected undiscounted cash flows are less than the carrying amount, we calculate an impairment loss. The impairment loss calculation compares the fair value, which is based on projected discounted cash flows, to the carrying value.

See Note 11, "Goodwill and Other Intangible Assets," for further information on goodwill, other intangible assets, and impairment charges.

## **Other Noncurrent Assets**

At October 31, 2019 and 2018, other noncurrent assets primarily consisted of long-term insurance recoverables, deferred charges, insurance and other long-term deposits, federal energy savings performance contract receivables, capitalized commissions, and prepayments to carriers for future insurance claims.

#### Federal Energy Savings Performance Contract Receivables

As part of our Technical Solutions business, we enter into energy savings performance contracts ("ESPCs") with the federal government pursuant to which we agree to develop, design, engineer, and construct a project and to guarantee that the project will satisfy agreed-upon performance standards. ESPC receivables represent the amount to be paid by various federal government agencies for work we have satisfactorily performed under specific ESPCs. We assign certain of our rights to receive those payments to unaffiliated third parties that provide construction financing, which we record as a liability, for such contracts. This construction financing is recorded as cash flows from financing activities, while the use of the cash received to pay project costs under these arrangements is classified as operating cash flows. The ESPC receivable is recognized as revenue as each project is constructed. Upon completion and acceptance of the project by the government and upon satisfaction of true sale criteria, the assigned ESPC receivable from the government and corresponding ESPC liability are eliminated from our consolidated financial statements.

#### **Fair Value of Financial Instruments**

Fair value is the price we would receive to sell an asset or pay to transfer a liability in an orderly transaction with a market participant at the measurement date. In the absence of active markets for the identical assets or liabilities, such measurements involve developing assumptions based on market observable data and, in the absence of such data, internal information that is consistent with what market participants would use in a hypothetical transaction that occurs at the measurement date.

Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect our market assumptions. Preference is given to observable inputs. These two types of inputs create the following fair value hierarchy:

- **Level 1** Quoted prices for identical instruments in active markets;
- **Level 2** Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations whose inputs are observable or whose significant value drivers are observable; and
- Level 3 Significant inputs to the valuation model are unobservable.

We evaluate assets and liabilities subject to fair value measurements on a recurring and non-recurring basis to determine the appropriate level at which to classify them for each reporting period. Some non-financial assets are measured at fair value on a non-recurring basis only in certain circumstances, including the event of impairment. See Note 8, "Fair Value of Financial Instruments," for the fair value hierarchy table and for details on how we measure fair value for our assets and liabilities.

#### **Acquisitions**

We expense acquisition-related costs as incurred. On the date of the acquisition, we allocate the purchase price to the assets acquired and liabilities assumed at their estimated fair values. Goodwill on the acquisition date is measured as the excess of the purchase price over the fair values of assets acquired and liabilities assumed. While we use our best estimates and assumptions to accurately value assets acquired and liabilities assumed at the acquisition date as well as contingent consideration, where applicable, our estimates are subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, we record adjustments to the assets acquired and liabilities assumed with corresponding adjustments to goodwill. We recognize subsequent changes in the estimate of the amount to be paid under contingent consideration arrangements in the accompanying consolidated statements of comprehensive income.

## **Discontinued Operations**

In order to be reported within discontinued operations, our disposal of a component or a group of components must represent a strategic shift that will have a major effect on our operations and financial results. We aggregate the results of operations for discontinued operations within a single line item on the income statement. General corporate overhead is not allocated to discontinued operations. We disclose any gain or loss that is recognized upon the disposition of a discontinued operation. Prior to disposition, we aggregate the assets and liabilities of discontinued operations and report the amounts on separate line items within the balance sheet.

#### **Assets and Liabilities Held for Sale**

Upon a business being classified as held for sale, we cease all depreciation and amortization related to the assets of the business and record them at the lower of their carrying amount or fair value less estimated costs to sell. The assets and related liabilities of the business are separately presented on the consolidated balance sheets. We review all assets held for sale each reporting period to determine whether the existing carrying amounts are fully recoverable in comparison to estimated fair values.

#### **Insurance Reserves**

We use a combination of insured and self-insurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks. Insurance claim liabilities represent our estimate of retained risks without regard to insurance coverage. We retain a substantial portion of the risk related to certain workers' compensation and medical claims. Liabilities associated with these losses include estimates of both filed claims and incurred but not reported claims ("IBNR Claims").

With the assistance of third-party actuaries, we periodically review our estimate of ultimate losses for IBNR Claims and adjust our required self-insurance reserves as appropriate. As part of this evaluation, we review the status of existing and new claim reserves as established by third-party claims administrators. The third-party claims administrators establish the case reserves based upon known factors related to the type and severity of the claims, demographic factors, legislative matters, and case law, as appropriate. We compare actual trends to expected trends and monitor claims developments. The specific case reserves estimated by the third-party administrators are provided to an actuary who assists us in projecting an actuarial estimate of the overall ultimate losses for our self-insured or high deductible programs, which includes the case reserves plus an actuarial estimate of reserves required for additional developments, such as IBNR Claims. We utilize the results of actuarial studies to estimate our insurance rates and insurance reserves for future periods and to adjust reserves, if appropriate, for prior years.

In general, our insurance reserves are recorded on an undiscounted basis. We allocate current-year insurance expense to our operating segments based upon their underlying exposures, while actuarial adjustments related to prior year claims are recorded within Corporate expenses. We classify claims as current or long-term based on the expected settlement date. Estimated insurance recoveries related to recorded liabilities are reflected as assets in our consolidated balance sheets when we believe that the receipt of such amounts is probable.

#### **Other Accrued Liabilities**

At October 31, 2019 and 2018, other accrued liabilities primarily consisted of employee benefits, contract liabilities (which include deferred revenue and progress billings in excess of costs), legal fees and settlements, dividends payable, current capital leases, interest, insurance claims, severance, rent payable, and other accrued expenses.

## **Other Noncurrent Liabilities**

At October 31, 2019 and 2018, other noncurrent liabilities primarily consisted of ESPC liabilities, deferred rent, retirement plan liabilities, deferred compensation, and long-term capital leases. Other noncurrent liabilities at October 31, 2019 also includes our interest rate swaps.

## **Revenue Recognition**

Beginning in fiscal 2019, we adopted ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)*, and ASU 2017-10, *Service Concession Arrangements (Topic 853): Determining the Customer of the Operation Services.* Prior period amounts have not been restated and continue to be reported in accordance with our historical accounting policies. Our revenue recognition policies under Topic 606 and Topic 853 are described in the following paragraphs and references to prior period policies are included below where they are substantially different. See Note 3, "Revenues," for further information on our revenues, including the impact of adopting Topic 606 and Topic 853 on our consolidated financial statements.

# **Contracts with Customers**

We account for a contract when it has approval and commitment from both parties, the rights of the parties are identified, payment terms are identified, the contract has commercial substance, and collectability of consideration is probable. Once a contract is identified, we evaluate whether it is a combined or single contract and whether it should be accounted for as more than one performance obligation. Generally, most of our contracts are cancelable by either

party without a substantive penalty, and the majority of our contracts have a notification period of 30 to 60 days. If a contract includes a cancellation clause, the remaining contract term is limited to the required termination notice period.

At contract inception, we assess the services promised to our customers and identify a performance obligation for each promise to transfer to the customer a service, or a bundle of services, that is distinct. To identify the performance obligation, we consider all of our services promised in the contract, regardless of whether they are explicitly stated or are implied by customary business practices.

The majority of our contracts contain multiple promises that represent an integrated bundle of services comprised of activities that may vary over time; however, these activities fulfill a single integrated performance obligation since we perform a continuous service that is substantially the same and has the same pattern of transfer to the customer. Our performance obligations are primarily satisfied over time as we provide the related services. We allocate the contract transaction price to this single performance obligation and recognize revenue as the services are performed, as further described in "Contract Types" below.

Certain arrangements involve variable consideration (primarily per transaction fees, reimbursable expenses, and sales-based royalties). We do not estimate the variable consideration for these arrangements; rather, we recognize these variable fees in the period they are earned. Some of our contracts, often related to Airline Services, may also include performance incentives based on variable performance measures that are ascertained exclusively by future performance and therefore cannot be estimated at contract inception and are recognized as revenue once known and mutually agreed upon. We include estimated amounts in the transaction price to the extent it is probable that a significant reversal of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is resolved. Our estimates of variable consideration and determination of whether to include estimated amounts in the transaction price are based largely on an assessment of our anticipated performance and all information (historical, current, and forecasted) that is reasonably available to us.

We primarily account for our performance obligations under the series guidance, using the as-invoiced practical expedient when applicable. We apply the as-invoiced practical expedient to record revenue as the services are provided, given the nature of the services provided and the frequency of billing under the customer contracts. Under this practical expedient, we recognize revenue in an amount that corresponds directly with the value to the customer of our performance completed to date and for which we have the right to invoice the customer.

We typically bill customers on a monthly basis and have the right to consideration from customers in an amount that corresponds directly with the performance obligation satisfied to date. The time between completion of the performance obligation and collection of cash is generally 30 to 60 days. Sales-based taxes are excluded from revenue.

Contracts generally can be modified to account for changes in specifications and requirements. We consider contract modifications to exist when the modification either changes the consideration, creates new performance obligations, or changes the existing scope of the contract and related performance obligations. Historically, contract modifications have been for services that are not distinct from the existing contract, since we are providing a bundle of services that are highly inter-related, and are therefore treated as if they were part of that existing contract. Such modifications are generally accounted for prospectively as part of the existing contract.

# Contract Types

We have arrangements under various contract types, as described below.

## Monthly Fixed-Price

Monthly fixed-price arrangements are contracts in which the client agrees to pay a fixed fee every month over a specified contract term. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual amount over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

## Square-Foot

Monthly square-foot arrangements are contracts in which the client agrees to pay a fixed fee every month based on the actual square footage serviced over a specified contract term. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual amount over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

#### Cost-Plus

Cost-plus arrangements are contracts in which the clients reimburse us for the agreed-upon amount of wages and benefits, payroll taxes, insurance charges, and other expenses associated with the contracted work, plus a profit margin. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual amount over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

#### Tag Services

Tag services (work orders) generally consist of supplemental services requested by clients outside of the standard service specification and include cleanup after tenant moves, construction cleanup, flood cleanup, and snow removal. Because the nature of these short-term contracts involves performing one-off type services, revenue is recognized at the agreed-upon contractual amount over time as the services are provided, because the customer simultaneously receives and consumes the benefits of the services as they are performed.

#### Transaction-Price

Transaction-price contracts are arrangements in which customers are billed a fixed price for each transaction performed on a monthly basis (e.g., wheelchair passengers served, airplane cabins cleaned). We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual amount over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

#### Hourly

Hourly arrangements are contracts in which the client is billed a fixed hourly rate for each labor hour provided. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual amount over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

## Management Reimbursement

Under management reimbursement arrangements we manage a parking facility for a management fee and pass through the revenue and expenses associated with the facility to the owner. We measure progress toward satisfaction of the performance obligation over time as the services are provided. Under these contracts we recognize both revenues and expenses, in equal amounts, that are directly reimbursed from the property owner for operating expenses, as such expenses are incurred. Such revenues do not include gross customer collections at the managed locations because they belong to the property owners. We have determined we are the principal in these transactions, because the nature of our performance obligation is for us to provide the services on behalf of the customer and we have control of the promised services before they are transferred to the customer.

#### **Leased Location**

Under leased location parking arrangements we pay a fixed amount of rent, plus a percentage of revenues derived from monthly and transient parkers, to the property owner. We retain all revenues received and we are responsible for most operating expenses incurred. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

In accordance with Topic 853, rental expense and certain other expenses under contracts that meet the definition of service concession arrangements are now recorded as a reduction of revenue. Prior to November 1, 2018, such amounts were recorded as operating expenses.

#### Allowance

Under allowance parking arrangements we are paid a fixed amount or hourly rate to provide parking services, and we are responsible for certain operating expenses that are specified in the contract. We measure progress toward satisfaction of the performance obligation as the services are provided, and revenue is recognized at the agreed-upon contractual rate over time because the customer simultaneously receives and consumes the benefits of the services as they are performed.

## Energy Savings Contracts and Fixed-Price Repair and Refurbishment

Under energy savings contracts and fixed-price repair and refurbishment arrangements we agree to develop, design, engineer, and construct a project. Additionally, as part of bundled energy solutions arrangements, we guarantee the project will satisfy agreed-upon performance standards.

We use the cost-to-cost method, which compares the actual costs incurred to date with the current estimate of total costs to complete, to measure the satisfaction of the performance obligation and recognize revenue as work progresses and we incur costs on our contracts; we believe this method best reflects the transfer of control to the customer. This measurement and comparison process requires updates to the estimate of total costs to complete the contract, and these updates may include subjective assessments and judgments. Equipment purchased for these projects is project-specific and considered a value-added element to our work. Equipment costs are incurred when title is transferred to us, typically upon delivery to the work site. Revenue for uninstalled equipment is recognized at cost and the associated margin is deferred until installation is substantially complete. Prior to November 1, 2018, we recognized revenue and margin on uninstalled equipment consistent with other project costs under the percentage-of-completion method.

We recognize revenue over time for all of our services as we perform them, because (i) control continuously transfers to the customer as work progresses or (ii) we have the right to bill the customer as costs are incurred. The customer typically controls the work in process as evidenced either by contractual termination clauses or by our rights to payment for work performed to date plus a reasonable profit to deliver products or services that do not have an alternative use to us.

Certain project contracts include a schedule of billings or invoices to the customer based on our job-to-date percentage of completion of specific tasks inherent in the fulfillment of our performance obligation(s) or in accordance with a fixed billing schedule. Fixed billing schedules may not precisely match the actual costs incurred. Therefore, revenue recognized may differ from amounts that can be billed or invoiced to the customer at any point during the contract, resulting in balances that are considered revenue recognized in excess of cumulative billings or cumulative billings in excess of revenue recognized. Advanced payments from our customers generally do not represent a significant financing component as the payments are used to meet working capital demands that can be higher in the early stages of a contract, as well as to protect us from our customer failing to meet its obligations under the contract.

Certain projects include service maintenance agreements under which existing systems are repaired and maintained for a specific period of time. We generally recognize revenue under these arrangements over time. Our service maintenance agreements are generally one-year renewable agreements.

#### Franchise

We franchise certain engineering services through individual and area franchises under the Linc Service and TEGG brands, which are part of ABM Technical Solutions. Initial franchise fees result from the sale of a franchise license and include the use of the name, trademarks, and proprietary methods. The franchise license is considered symbolic intellectual property, and revenue related to the sale of this right is recognized at the agreed-upon contractual amount over the term of the initial franchise agreement. Prior to November 1, 2018, initial fees from sales of franchise licenses were recognized in the year of sale.

Royalty fee revenue consists of sales-based royalties received as part of the consideration for the franchise right, which is calculated as a percentage of the franchisees' revenue. We recognize royalty fee revenue at the agreed-upon contractual rates over time as the customer revenue is generated by the franchisees. A receivable is recognized for an estimate of the unreported royalty fees, which are reported and remitted to us in arrears.

## Costs to Obtain a Contract With a Customer

We capitalize the incremental costs of obtaining a contract with a customer, primarily commissions, as contract assets and recognize the expense on a straight-line basis over a weighted average expected customer relationship period. Capitalized commissions are classified as current or noncurrent based on the timing of when we expect to recognize the expense. Prior to November 1, 2018, such incremental costs were expensed as incurred.

#### **Contract Balances**

The timing of revenue recognition, billings, and cash collections results in contract assets and contract liabilities, as further explained below. The timing of revenue recognition may differ from the timing of invoicing to customers. If a contract includes a cancellation clause that allows for the termination of the contract by either party without a substantive penalty, the contract term is limited to the termination notice period.

Contract assets consist of billed trade receivables, unbilled trade receivables, and costs incurred in excess of amounts billed. Billed and unbilled trade receivables represent amounts from work completed in which we have an unconditional right to bill our customer. Costs incurred in excess of amounts billed typically arise when the revenue recognized on projects exceeds the amount billed to the customer. These amounts are transferred to billed trade receivables when the rights become unconditional. Contract liabilities consist of deferred revenue and advance payments and billings in excess of revenue recognized. We generally classify contract liabilities as current since the related contracts are generally for a period of one year or less. Contract liabilities decrease as we recognize revenue from the satisfaction of the related performance obligation.

#### **Management Reimbursement Revenue by Segment**

	Years Ended October 31,								
(in millions)		2019		2018		2017			
Business & Industry	\$	283.1	\$	276.6	\$	252.9			
Aviation		95.5		99.9		80.4			
Total	\$	378.7	\$	376.4	\$	333.2			

## **Restructuring and Related Expenses**

Restructuring and related expenses include employee severance, external support fees, lease exit costs, and other costs. Our methodology to record these costs is described below.

#### Severance

As we do not have a past history of consistently providing severance benefits, we recognize severance costs for employees who do not have formal employment agreements when management has committed to a restructuring plan and communicated those actions to impacted employees, such that the employee is able to determine the type and amount of benefits that they will receive upon termination. In addition, if the employees are required to render service beyond the minimum retention period until they are terminated in order to receive the benefits, a liability is recognized ratably over the future service period. For employees with employment agreements, we accrue for these severance liabilities when it is probable that the impacted employee will be entitled to the benefits and the amount can be reasonably estimated.

# Noncancelable Leases and Contractual Obligations

We record liabilities when we terminate a contract in accordance with the contract terms or when we exit the leased space. The expense for noncancelable leases is determined based on the fair value of remaining lease payments reduced by the fair value of estimated sublease income that could reasonably be obtained for the property, estimated using a present value technique.

# Other

For other costs associated with exit and disposal activities, we recognize an expense at fair value in the period in which the liability is incurred.

# **Advertising**

Advertising costs are expensed as incurred. During 2019, 2018, and 2017, advertising expense was \$1.7 million, \$2.3 million, and \$2.2 million, respectively.

#### **Share-Based Compensation**

Our current share-based awards principally consist of restricted stock units ("RSUs") and various performance share awards. We recognize compensation costs associated with these awards in selling, general and administrative expenses. For RSUs and certain performance share awards, the amount of compensation cost is measured based on the grant-date fair value of the equity instruments issued. Since our total shareholder return ("TSR") performance share awards are performance awards with a market condition, the compensation costs associated with these awards are determined using a Monte Carlo simulation valuation model. For RSUs and TSR awards, compensation cost is recognized over the period that an employee provides service in exchange for the award. We recognize compensation cost associated with other performance share awards over the requisite service period based on the probability of achievement of performance criteria.

#### Taxes Collected from Clients and Remitted to Governmental Agencies

We record taxes on client transactions due to governmental agencies as receivables and liabilities on the consolidated balance sheets.

#### **Net Income Per Common Share**

Basic net income per common share is net income divided by the weighted-average number of common shares outstanding during the period. Diluted net income per common share is based on the weighted-average number of common shares outstanding during the period, adjusted to include the potential dilution from the conversion of RSUs, vesting of performance shares, and exercise of stock options.

#### **Contingencies and Litigation**

We are a party to a number of lawsuits, claims, and proceedings incident to the operation of our business, including those pertaining to labor and employment, contracts, personal injury, and other matters, some of which allege substantial monetary damages. Some of these actions may be brought as class actions on behalf of a class or purported class of employees. We accrue for loss contingencies when losses become probable and are reasonably estimable. If the reasonable estimate of the loss is a range and no amount within the range is a better estimate, the minimum amount of the range is recorded as a liability. We recognize legal costs as an expense in the period incurred.

# **Income Taxes**

We account for income taxes using the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to temporary differences between the financial statement carrying amount of existing assets and liabilities and their respective tax bases. We measure deferred tax assets and liabilities using enacted tax rates expected to be applied to taxable income in the years in which those temporary differences are expected to be recovered. Deferred tax assets are reviewed for recoverability on a quarterly basis. A valuation allowance is recorded to reduce the carrying amount of a deferred tax asset to its realizable value unless it is more likely than not that such asset will be realized. We recognize accrued interest and penalties related to unrecognized tax benefits in income tax expense in our consolidated statements of comprehensive income.

## **Recently Adopted Accounting Standards**

# **Revenue from Contracts with Customers**

In May 2014, the Financial Accounting Standards Board ("FASB") issued ASU 2014-09, *Revenue from Contracts with Customers* (*Topic 606*), and subsequently issued several ASUs further updating Topic 606.

Additionally, in May 2017, the FASB issued ASU 2017-10, Service Concession Arrangements (Topic 853): Determining the Customer of the Operation Services, to clarify how operating entities should determine the customer of operation services for transactions within the scope of this guidance, which U.S. GAAP did not address prior to this ASU. The amendment eliminates diversity in practice by clarifying that the grantor is the customer of the operation services in all cases for those arrangements. We determined that revenue we generate from service concession arrangements, primarily from certain parking arrangements, will be accounted for under this guidance. We adopted the amendments in this update in conjunction with the adoption of Topic 606, as discussed below.

Collectively these ASUs introduce a new principles-based framework for revenue recognition and disclosure. The core principle of the standard is when an entity transfers goods or services to customers it will recognize revenue in an amount that reflects the consideration it expects to be entitled to for those goods or services. The standard also

expands the required disclosures to include the disaggregation of revenue from contracts with customers into categories that depict how the nature, timing, and uncertainty of revenue and cash flows are affected by economic factors.

We adopted Topic 606 and Topic 853 on November 1, 2018 using a modified retrospective approach with a cumulative-effect adjustment to retained earnings as of the beginning of 2019; prior period financial statements were not adjusted. We applied the standards to contracts that had not been completed at November 1, 2018 and did not apply them to contracts that were modified before the beginning of the earliest reporting period presented. See Note 3, "Revenues," for additional details regarding the impact of adopting Topic 606 and Topic 853 on our consolidated financial statements.

## Other Recently Adopted Accounting Standards

During the first guarter of 2019, we also adopted the following ASUs with no material impact on our consolidated financial statements:

ASU	Topic	Method of Adoption
2016-01	Financial Instruments	Modified retrospective
2016-15	Statement of Cash Flows — Classification of Certain Cash Receipts and Cash Payments	Retrospective
2016-16	Income Taxes — Intra-Entity Transfers of Assets Other Than Inventory	Modified retrospective
2016-18	Statement of Cash Flows — Restricted Cash	Retrospective
2017-07	Compensation — Retirement Benefits	Retrospective
2017-09	Compensation — Stock Compensation	Prospective
2018-02	Income Statement — Reporting Comprehensive Income: Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income	Early adopted; we elected not to reclassify any stranded tax effects of the Tax Cuts and Jobs Act (the "Tax Act") due to the insignificance of the amount remaining in AOCI.
2018-04	Investments — Debt Securities	Adopted in conjunction with ASU 2016-01

# **Recently Issued Accounting Standards**

#### Leases

In February 2016, the FASB issued ASU 2016-02, *Leases (Topic 842)*. Since the release of ASU 2016-02, the FASB issued the following additional ASUs further updating Topic 842:

- In January 2018, ASU 2018-01, Land Easement Practical Expedient for Transition to Topic 842
- In July 2018, ASU 2018-10, Codification Improvements to Topic 842
- In July 2018, ASU 2018-11, Leases (Topic 842): Targeted Improvements
- In March 2019, ASU 2019-01, Leases (Topic 842): Codification Improvements

Topic 842 replaces existing lease accounting guidance and is intended to provide enhanced transparency and comparability by requiring lessees to record most leases on the balance sheet. Under Topic 842, lessees are required to record on the balance sheet right-of-use ("ROU") assets, which represent the right to use an underlying asset for the lease term, and the corresponding lease liabilities, which represent the obligation to make lease payments arising from the lease. The new guidance requires us to continue classifying leases as either operating or financing, with classification affecting the pattern of expense recognition in the statements of comprehensive income. In addition, the new standard requires enhanced disclosures surrounding the amount, timing, and uncertainty of cash flows arising from leasing arrangements. We will adopt Topic 842 effective November 1, 2019 on a modified retrospective basis using the optional transition method permitted under ASU 2018-11, and we will recognize a cumulative-effect adjustment to the opening balance of retained earnings as of the beginning of 2020. Comparative prior period financial statements will not be restated.

We expect to elect certain practical expedients upon adoption for existing leases as of the effective date. We will elect the package of practical expedients that allows us to carry forward prior conclusions related to: (i) whether any expired or existing contracts are or contain leases; (ii) the lease classification for any expired or existing leases; and (iii) initial direct costs for existing leases. Additionally, we will elect the practical expedient of not separating lease components from non-lease components for all asset classes. We will make an accounting policy election to not record ROU assets or lease liabilities for leases with an initial term of 12 months or less and will recognize payments for such leases in the consolidated statements of comprehensive income on a straight-line basis over the lease term. We will not elect the use of hindsight for determining the reasonably certain lease term.

We have substantially completed our plan for the adoption and implementation of this new accounting standard, including assessing our lease arrangements and implementing software to meet the reporting and disclosure requirements of this standard. We continue to finalize our implementation efforts and currently estimate that the adoption of this standard will result in the recognition of approximately \$130 million to \$200 million of ROU assets and approximately \$152 million to \$222 million of lease liabilities, subject to the completion of our assessment. We do not believe the new standard will have a material impact on our consolidated statements of comprehensive income or consolidated statements of cash flows, our liquidity, or our compliance with the various covenants contained within our credit facility, as further described in Note 13, "Credit Facility."

No other recently issued accounting standards are expected to have a significant impact on our fiscal 2020 consolidated financial statements.

#### 3. REVENUES

#### Impact of Adopting Topic 606 and Topic 853 on the Consolidated Financial Statements

On November 1, 2018, we recorded a pre-tax increase of \$9.1 million to our opening retained earnings as a result of adopting Topic 606. These changes primarily related to: (i) the capitalization of certain commission costs that were previously expensed as incurred; (ii) the deferral of revenue, and the associated margin, on uninstalled materials associated with certain project type contracts that will now be recognized when installation is substantially complete; and (iii) the deferral of initial franchise license fees that were previously recognized when the franchise license term began but will now be recognized over the term of the initial franchise arrangement. Changes to our consolidated balance sheets include the separate presentation of costs incurred in excess of amounts billed, which were previously included in trade accounts receivable, net. Additionally, in accordance with Topic 853, rent expense related to service concession arrangements, which was previously classified as an operating expense, is now classified as a reduction of revenues.

(in millions)	Balance at October 31, 2018			stments Due to ion of Topic 606	Balance at November 1, 2018	
ASSETS						
Current assets						
Trade accounts receivable, net	\$	1,014.1	\$	(40.1)	\$	974.0
Costs incurred in excess of amounts billed		_		40.1		40.1
Other current assets		37.0		3.6		40.6
Other noncurrent assets		109.6		11.5		121.1
LIABILITIES AND STOCKHOLDERS' EQUITY						
Current liabilities						
Other accrued liabilities	\$	152.7	\$	6.0	\$	158.9
Deferred income tax liability, net		37.8		2.6		40.3
Retained earnings		771.2		6.5		777.6

The impact of adopting Topic 606 on our consolidated balance sheet as of October 31, 2019 was as follows:

	7.10 0.1 0 0.10 0.1, 20.10						
<u>(in millions)</u>		der Historical Guidance	Effe	ect of Adoption	otion As Reported		
ASSETS							
Current assets							
Other current assets	\$	46.3	\$	9.2	\$	55.5	
Other noncurrent assets		107.7		12.7		120.3	
LIABILITIES AND STOCKHOLDERS' EQUITY							
Current liabilities							
Other accrued liabilities	\$	153.1	\$	5.1	\$	158.2	
Deferred income tax liability, net		47.3		0.5		47.7	
Retained earnings		840.1		16.2		856.3	

As of October 31, 2019

The impact of adopting Topic 606 and Topic 853 on our consolidated statements of comprehensive income for the year ended October 31, 2019 was as follows:

	Year Ended October 31, 2019							
(in millions, except per share amounts)	Under Historical Guidance			of Adoption	As Reported			
Revenues	\$	6,546.2	\$	(47.6)	\$	6,498.6		
Operating expenses		5,816.2		(48.6)		5,767.5		
Selling, general and administrative expenses		459.7		(6.7)		452.9		
Income tax provision		30.7		2.0		32.7		
Net income		121.6		5.8		127.4		
Net income per common share — Basic	\$	1.83	\$	0.09	\$	1.91		
Net income per common share — Diluted	\$	1.82	\$	0.09	\$	1.90		

There were no significant impacts on our consolidated statements of cash flows other than offsetting shifts in net cash provided by operating activities between net income and various changes in working capital line items.

# **Disaggregation of Revenues**

We generate revenues under several types of contracts, which are further described in Note 2, "Basis of Presentation and Significant Accounting Policies." Generally, the type of contract is determined by the nature of the services provided by each of our major service lines throughout our reportable segments; therefore, we disaggregate revenue from contracts with customers into major service lines. We have determined that disaggregating revenue into these categories best depicts how the nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factors. Our reportable segments are Business & Industry ("B&I"), Aviation, Technology and Manufacturing ("T&M"), Education, and Technical Solutions, as described in Note 19, "Segment and Geographic Information."

				Ye	ar Ended O	ctobe	r 31, 2019				
(in millions)	 B&I		Aviation		T&M		Education		Technical Solutions		Total
Major Service Line											
Janitorial <sup>(1)</sup>	\$ 2,316.1	\$	125.8	\$	739.7	\$	756.3	\$	_	\$	3,937.9
Parking <sup>(2)</sup>	511.5		335.3		25.9		3.1		_		875.8
Facility Services <sup>(3)</sup>	423.1		72.1		151.4		88.0		_		734.6
Building & Energy Solutions <sup>(4)</sup>	_		_		_		_		593.2		593.2
Airline Services <sup>(5)</sup>	0.6		484.1		0.1		_		_		484.8
	\$ 3,251.4	\$	1,017.3	\$	917.0	\$	847.4	\$	593.2	\$	6,626.3
Elimination of inter-segment revenues											(127.7)
Total										\$	6,498.6

- (1) Janitorial arrangements provide a wide range of essential cleaning services for commercial office buildings, airports and other transportation centers, educational institutions, government buildings, health facilities, industrial buildings, retail stores, and stadiums and arenas. These arrangements are often structured as monthly fixed-price, square-foot, cost-plus, and tag services contracts.
- <sup>(2)</sup> Parking arrangements provide parking and transportation services for clients at various locations, including airports and other transportation centers, commercial office buildings, educational institutions, health facilities, hotels, and stadiums and arenas. Certain of our management reimbursement, leased location, and allowance arrangements are considered service concession agreements and are accounted for under the guidance of Topic 853. For the year ended October 31, 2019, rent expense related to service concession arrangements, previously recorded within operating expenses, has been recorded as a reduction of the related parking service revenues. These arrangements are structured as management reimbursement, leased location, and allowance contracts.
- (3) Facility Services arrangements provide onsite mechanical engineering and technical services and solutions relating to a broad range of facilities and infrastructure systems that are designed to extend the useful life of facility fixed assets, improve equipment operating efficiencies, reduce energy consumption, lower overall operational costs for clients, and enhance the sustainability of client locations. These arrangements are generally structured as monthly fixed-price, cost-plus, and tag services contracts.
- (4) Building & Energy Solutions arrangements provide custom energy solutions, electrical, HVAC, lighting, and other general maintenance and repair services for clients in the public and private sectors and are generally structured as Energy Savings and Fixed-Price Repair and Refurbishment contracts. We also franchise certain operations under franchise agreements relating to our Linc Network and TEGG brands, pursuant to franchise contracts.
- (5) Airline Services arrangements support airlines and airports with services such as passenger assistance, catering logistics, and airplane cabin maintenance. These arrangements are often structured as monthly fixed-price, cost-plus, transaction price, and hourly contracts.

#### **Remaining Performance Obligations**

At October 31, 2019, performance obligations that were unsatisfied or partially unsatisfied for which we expect to recognize revenue totaled \$207.8 million. We expect to recognize revenue on approximately 79% of the remaining performance obligations over the next 12 months, with the remainder recognized thereafter.

These amounts exclude variable consideration primarily related to: (i) contracts where we have determined that the contract consists of a series of distinct service periods and revenues are based on future performance that cannot be estimated at contract inception; (ii) parking contracts where we and the customer share the gross revenues or operating profit for the location; and (iii) contracts where transaction prices include performance incentives that are based on future performance and therefore cannot be estimated at contract inception. We apply the practical expedient that permits exclusion of information about the remaining performance obligations with original expected durations of one year or less.

#### **Contract Balances**

The following tables present the balances in our contract assets and contract liabilities:

(in millions)	Octob	er 31, 2019	November 1, 2018		
Contract assets					
Billed trade receivables <sup>(1)</sup>	\$	978.7	\$	918.9	
Unbilled trade receivables <sup>(1)</sup>		56.9		74.3	
Costs incurred in excess of amounts billed <sup>(2)</sup>		72.6		40.1	
Capitalized commissions <sup>(3)</sup>		21.8		15.1	

<sup>(1)</sup> Included in trade accounts receivable, net, on the consolidated balance sheets. The fluctuation correlates directly to the execution of new customer contracts and to invoicing and collections from customers in the normal course of business.

<sup>(3)</sup> Included in other current assets and other noncurrent assets on the consolidated balance sheets. During the year ended October 31, 2019, we capitalized \$16.4 million of new costs and amortized \$9.7 million of previously capitalized costs. There was no impairment loss recorded on the costs capitalized.

(in millions)	Year Ended tober 31, 2019
Contract liabilities <sup>(1)</sup>	
Balance at beginning of year	\$ 41.7
Additional contract liabilities	250.8
Recognition of deferred revenue	 (254.5)
Balance at end of year	\$ 38.0

<sup>(1)</sup> Included in other accrued liabilities on the consolidated balance sheets.

<sup>(2)</sup> Increase is primarily due to the timing of payments on our contracts measured using the cost-to-cost method of revenue recognition.

#### 4. ACQUISITIONS

# **Acquisition of GCA during 2017**

On September 1, 2017, we acquired all of the outstanding stock of GCA, a provider of integrated facility services to educational institutions and commercial facilities, for a purchase price of approximately \$1.3 billion. As a result of the acquisition, we are now a leading facilities services provider in the education market.

# **Consideration Transferred**

(in millions, except per share data)

Shares of ABM common stock, net of shares withheld for taxes	9.4
,	
ABM common stock closing market price at acquisition date	\$ 44.63
Fair value of ABM common stock at closing	421.3
Cash consideration <sup>(1)</sup>	 837.5
Total consideration transferred	\$ 1,258.8

<sup>(1)</sup> Revised during the second quarter of 2018 to reflect a post-closing purchase price adjustment related to a net working capital settlement.

# **Purchase Price Allocation**

	As reported at					
	Octo	ber 31, 2018				
(in millions)	(f	inalized)				
Cash and cash equivalents	\$	0.2				
Trade accounts receivable <sup>(1)</sup>		116.3				
Prepaid expenses and other current assets		12.0				
Property, plant and equipment		37.3				
Customer relationships <sup>(2)</sup>		340.0				
Trade names <sup>(2)</sup>		8.0				
Goodwill <sup>(3)</sup>		926.9				
Other assets		4.0				
Trade accounts payable		(9.6)				
Insurance reserves		(35.2)				
Income taxes payable		(8.6)				
Accrued liabilities		(38.8)				
Deferred income tax liability, net		(85.6)				
Other liabilities		(8.1)				
Net assets acquired	\$	1,258.8				

<sup>(1)</sup> The gross amount of trade accounts receivable was \$121.9 million, of which \$5.6 million was deemed uncollectible at October 31, 2018.

<sup>(2)</sup> The amortization periods for the acquired intangible assets are 15 years for customer relationships and 2 years for trade names.

<sup>(3)</sup> Goodwill is largely attributable to value we expect to obtain from long-term business growth, the established workforce, and buyer-specific synergies. This goodwill is not deductible for income tax purposes.

#### **Financial Information**

The following table presents our unaudited pro forma results for the year ended October 31, 2017 as though the GCA acquisition occurred on November 1, 2015. These results include adjustments for the estimated amortization of intangible assets, interest expense, and the income tax impact of the pro forma adjustments at the statutory rate of 41%. These results were adjusted to exclude \$24.2 million of acquisition-related costs incurred during 2017, which are included in selling, general and administrative expenses in the accompanying consolidated statements of comprehensive income. In addition, they do not reflect the cost of integration activities or benefits from expected revenue enhancements and synergies. Accordingly, the unaudited pro forma information is not necessarily indicative of the results that would have been achieved if the acquisition had been effective on November 1, 2015.

(in millions)	October 31, 2017
Pro forma revenue	\$ 6,293.0
Pro forma income from continuing operations	95.5

Voor Ended

### **Other 2017 Acquisitions**

Effective December 1, 2016, we acquired all of the outstanding stock of Mechanical Solutions, Inc. ("MSI"), a provider of specialized HVAC, chiller, and plumbing services, for a purchase price of \$12.6 million. The purchase price included up to \$1.0 million of undiscounted contingent consideration that was based on the expected achievement of certain pre-established revenue goals. Based on the metrics of these revenue goals, this contingent consideration was reduced to a nominal value at October 31, 2018. As of December 1, 2016, the operations of MSI are included in our Technical Solutions segment.

Effective December 1, 2016, we also acquired all of the outstanding stock of OFJ Connections Ltd ("OFJ"), a provider of airport transportation services in the United Kingdom, for a purchase price of \$6.3 million. As of December 1, 2016, the operations of OFJ are included in our Aviation segment.

### **Pro Forma and Other Financial Information**

Except for GCA, we do not present pro forma and other financial information for our other acquisitions, as they are not considered material business combinations individually or on a combined basis.

# **5. RESTRUCTURING AND RELATED COSTS**

We may periodically engage in various restructuring activities intended to drive long-term profitable growth and increase operational efficiency, which can include streamlining and realigning our overall organizational structure and reallocating resources. These activities may result in restructuring costs related to employee severance, other project fees, external support fees, lease exit costs, and asset impairment charges. Recently, our significant restructuring activities have been primarily associated with integrating our acquisition of GCA and implementing our 2020 Vision initiative, as described below.

### **GCA and Other Restructuring**

During the first quarter of 2018, we initiated a restructuring program to achieve cost synergies following the acquisition of GCA. We incurred the majority of our severance expense associated with this restructuring program in the first half of 2018. During 2019, our restructuring activities primarily related to the continued integration of GCA and other initiatives, including standardizing our financial systems and streamlining our operations by migrating and upgrading several key management platforms, such as our human resources information systems, enterprise resource planning system, and labor management system. We also continue consolidating our real estate leases. Severance and other expenses associated with our Healthcare reorganization during 2019 were immaterial. We expect to incur additional restructuring charges, primarily related to some of our technology initiatives and other project fees, as we continue to consolidate our operational and financial processes.

# **2020 Vision Restructuring**

During the fourth quarter of 2015, our Board of Directors approved a comprehensive strategy intended to have a positive transformative effect on ABM (the "2020 Vision"). As part of the 2020 Vision, we identified key priorities to differentiate ABM in the marketplace, accelerate revenue growth for certain industry groups, and improve our margin profile. We do not expect to incur significant 2020 Vision restructuring and related expenses in the future.

# Rollforward of Restructuring and Related Liabilities

(in millions)	nal Support Fees	Employee Severance	(	Other Project Fees	Le	ease Exit Costs	Ass	set Impairment	Total
Balance, October 31, 2014	\$ _	\$ _	\$	_	\$		\$	_	\$ _
Costs recognized <sup>(1)</sup>	4.6	4.7		0.8		_		2.6	12.7
Payments	(2.5)	(0.4)		(0.4)		_		_	(3.3)
Non-cash items	_	_		(0.2)		_		(2.6)	(2.8)
Balance, October 31, 2015	\$ 2.1	\$ 4.3	\$	0.2	\$	_	\$	_	\$ 6.6
Costs recognized <sup>(1)</sup>	 11.3	 8.6		3.9		3.2		2.1	 29.0
Payments	(12.2)	(9.1)		(3.6)		(0.3)		_	(25.2)
Non-cash items	_	_		_		(0.4)		(2.1)	(2.5)
Balance, October 31, 2016	\$ 1.2	\$ 3.8	\$	0.5	\$	2.5	\$	_	\$ 8.0
Costs recognized <sup>(1)</sup>	 12.1	 2.2		5.7		2.6		_	22.6
Payments	(10.8)	(3.3)		(5.8)		(3.1)		_	(23.0)
Non-cash items	_	_		_		0.9		_	0.9
Balance, October 31, 2017	\$ 2.5	\$ 2.7	\$	0.4	\$	2.8	\$	_	\$ 8.4
Costs recognized <sup>(1)</sup>	 4.0	11.0		8.2		2.0		0.6	25.7
Payments	(6.5)	(9.9)		(6.7)		(1.5)		_	(24.7)
Non-cash items	_	_		_		(0.2)		(0.6)	(0.7)
Balance, October 31, 2018	\$ _	\$ 3.8	\$	1.8	\$	3.1	\$	_	\$ 8.6
Costs recognized <sup>(1)</sup>	 1.5	4.6		4.5		0.7		_	11.2
Payments	 (1.0)	(5.3)		(5.6)		(1.1)		_	(12.9)
Balance, October 31, 2019	\$ 0.5	\$ 3.0	\$	0.7	\$	2.7	\$	_	\$ 7.0

 $<sup>\</sup>ensuremath{^{(1)}}\mbox{We}$  include these costs within corporate expenses.

# **Cumulative Restructuring and Related Charges**

<u>(in millions)</u>	Exte	rnal Support Fees	Employee Severance		Ot	her Project Fees	Lease Exit Costs		Asset Impairment		Total
GCA and Other	\$	3.5	\$	18.0	\$	12.3	\$	0.7	\$	_	\$ 34.6
2020 Vision		30.0		13.0		10.7		7.7		5.2	66.5
Total	\$	33.5	\$	31.0	\$	23.0	\$	8.4	\$	5.2	\$ 101.1

#### 6. DISCONTINUED OPERATIONS

On October 26, 2015, in connection with our **2020 Vision**, we sold substantially all of the assets of our Security business for cash proceeds of \$131.0 million and recorded a pre-tax gain on sale of \$23.6 million, which was subsequently reduced by a \$3.1 million working capital adjustment in 2016. Following the sale, we record all costs associated with this former business in discontinued operations. Such costs generally relate to litigation we retained and insurance reserves. In 2017, we incurred a net loss from discontinued operations of \$74.3 million (a pre-tax loss of \$123.7 million) primarily due to legal settlements. In 2018, we had net income from discontinued operations of \$1.8 million (pre-tax income of \$2.6 million) due to an insurance reimbursement on a legal settlement and collection of previously written off receivables, partially offset by union audit settlements. In 2019, net loss from discontinued operations was *de minimis*.

#### 7. NET INCOME PER COMMON SHARE

# **Basic and Diluted Net Income Per Common Share Calculations**

	Years Ended October 31,										
(in millions, except per share amounts)		2019		2018	2017						
Income from continuing operations	\$	127.5	\$	95.9	\$	78.1					
(Loss) income from discontinued operations, net of taxes		(0.1)		1.8		(74.3)					
Net income	\$	127.4	\$	97.8	\$	3.8					
Weighted-average common and common equivalent shares outstanding — Basic		66.6		66.1		57.7					
Effect of dilutive securities											
RSUs		0.2		0.1		0.3					
Stock options		0.1		0.1		0.2					
Performance shares		0.1		_		0.1					
Weighted-average common and common equivalent shares outstanding — Diluted		66.9		66.4		58.3					
Net income per common share — Basic											
Income from continuing operations	\$	1.92	\$	1.45	\$	1.35					
Income (loss) from discontinued operations		_		0.03		(1.29)					
Net income	\$	1.91	\$	1.48	\$	0.07					
Net income per common share — Diluted											
Income from continuing operations	\$	1.91	\$	1.45	\$	1.34					
Income (loss) from discontinued operations	•	_	•	0.03		(1.27)					
Net income	\$	1.90	\$	1.47	\$	0.07					

# Anti-Dilutive Outstanding Stock Awards Issued Under Share-Based Compensation Plans

	Ye	ears Ended October 31	,
lions)	2019	2018	2017
	0.3	0.4	_

#### Fair Value Hierarchy of Our Financial Instruments

# Financial Assets and Liabilities Measured at Fair Value on a Recurring Basis

		As of Oc	ctobe	r 31,
(in millions)	Fair Value Hierarchy	 2019		2018
Cash and cash equivalents <sup>(1)</sup>	1	\$ 58.5	\$	39.1
Insurance deposits <sup>(2)</sup>	1	0.8		0.6
Assets held in funded deferred compensation plan <sup>(3)</sup>	1	2.5		2.7
Credit facility <sup>(4)</sup>	2	808.4		949.0
Interest rate swap (liabilities) assets <sup>(5)</sup>	2	(14.6)		1.3
Investments in auction rate securities <sup>(6)</sup>	3	5.0		5.0

<sup>(1)</sup> Cash and cash equivalents are stated at nominal value, which equals fair value.

During 2019 and 2018, we had no transfers of assets or liabilities between any of the above hierarchy levels.

# Non-Financial Assets Measured at Fair Value on a Non-Recurring Basis

In addition to assets and liabilities that are measured at fair value on a recurring basis, we are also required to measure certain non-financial assets at fair value on a non-recurring basis that are subject to fair value adjustments in specific circumstances. These assets can include: goodwill; intangible assets; property, plant and equipment; and long-lived assets that have been reduced to fair value when they are held for sale. We estimate the fair value of these assets using primarily unobservable Level 3 inputs.

In connection with the reorganization of our Healthcare business, in the third quarter of 2019 we performed a goodwill impairment test on the underlying reporting unit immediately before the reorganization. We estimated the fair value of goodwill using the income and market approaches, which utilize expected cash flows using Level 3 inputs. This analysis required the exercise of significant judgments, including the identification of reporting units as well as the evaluation of recent indicators of market activity, future cash flow estimates, discount rates, and other factors. As a result of this analysis, we concluded that the estimated fair value of the Healthcare reporting unit substantially

<sup>(2)</sup> Represents restricted deposits that are used to collateralize our insurance obligations and are stated at nominal value, which equals fair value. These insurance deposits are included in "Other noncurrent assets" on the accompanying consolidated balance sheets. See Note 12, "Insurance," for further information.

<sup>(3)</sup> Represents investments held in a Rabbi trust associated with one of our deferred compensation plans, which we include in "Other noncurrent assets" on the accompanying consolidated balance sheets. The fair value of the assets held in the funded deferred compensation plan is based on quoted market prices. See Note 14, "Employee Benefit Plans," for further information.

<sup>(4)</sup> Represents gross outstanding borrowings under our syndicated line of credit and term loan. Due to variable interest rates, the carrying value of outstanding borrowings under our line of credit and term loan approximates the fair value. See Note 13, "Credit Facility," for further information.

<sup>(5)</sup> Represents interest rate swap derivatives designated as cash flow hedges. The fair values of the interest rate swaps are estimated based on the present value of the difference between expected cash flows calculated at the contracted interest rates and the expected cash flows at current market interest rates using observable benchmarks for the London Interbank Offered Rate ("LIBOR") forward rates at the end of the period. At October 31, 2019 and 2018, our interest rate swaps are included in "Other noncurrent liabilities" and "Other noncurrent assets," respectively, on the accompanying consolidated balance sheets. See Note 13, "Credit Facility," for further information.

<sup>(6)</sup> The fair value of investments in auction rate securities is based on discounted cash flow valuation models, primarily utilizing unobservable inputs, including assumptions about the underlying collateral, credit risks associated with the issuer, credit enhancements associated with financial insurance guarantees, and the possibility of the security being re-financed by the issuer or having a successful auction. These amounts are included in "Other investments" on the accompanying consolidated balance sheets. See Note 9, "Auction Rate Securities," for further information.

exceeded its carrying value immediately before the reorganization and that no further evaluation of impairment was necessary.

During 2018, we recorded impairment charges on goodwill and customer relationships in connection with our annual assessment of goodwill. See Note 11, "Goodwill and Other Intangible Assets," for further information. The fair value of these items was determined based on unobservable Level 3 inputs. The fair value of goodwill was determined based on discounted cash flow analyses that include significant management assumptions, such as revenue growth rates, operating margins, weighted average cost of capital, and future economic and market conditions. The fair value of customer relationships was determined based on discounted cash flows associated with the customer relationships that include significant management assumptions, including expected proceeds.

#### 9. AUCTION RATE SECURITIES

At October 31, 2019 and 2018, we held an investment in one auction rate security that had an aggregate original principal amount, amortized cost, and fair value of \$5.0 million. This auction rate security is a debt instrument with a stated maturity in 2050. The interest rate for this security is designed to be reset through Dutch auctions approximately every thirty days; however, auctions for this security have not occurred since August 2007.

At October 31, 2019 and 2018, there were no unrealized gains or losses on our auction rate security included in AOCI.

# Significant Assumptions Used to Determine the Fair Value of Our Auction Rate Security

Assumption	October 31, 2019	October 31, 2018
Discount rates	L + 0.34%	L + 0.37%
Yields	L + 2.00%	L + 2.00%
Average expected lives	4 years	4 years

L - One Month LIBOR

### 10. PROPERTY, PLANT AND EQUIPMENT

# **Property, Plant and Equipment**

		As of Oc	ctober 31	,
(in millions)		2018		
Machinery and other equipment	\$	118.8	\$	94.0
Computer equipment and software		91.7		71.5
Leasehold improvements		59.5		54.6
Transportation equipment		57.4		49.7
Furniture and fixtures		13.1		14.9
Buildings		8.2		8.2
Land		1.0		1.0
		349.8		294.0
Less: Accumulated depreciation <sup>(1)</sup>		199.5		153.9
Total	\$	150.3	\$	140.1

<sup>(1)</sup> For 2019, 2018, and 2017, depreciation expense was \$48.9 million, \$46.5 million, and \$38.5 million, respectively.

# Capital Leases Included in Property, Plant and Equipment

		AS Of U	ctoper 3	1,		
(in millions)	2019			2018		
Transportation equipment	\$	20.0	\$	20.7		
Machinery and other equipment		0.3		0.3		
Furniture and fixtures		0.2		0.2		
Computer equipment and software		0.1		0.9		
		20.6		22.1		
Less: Accumulated depreciation		10.7		9.2		
Total	\$	9.9	\$	12.9		

# 11. GOODWILL AND OTHER INTANGIBLE ASSETS

# Goodwill

(in millions)	 siness & ndustry	 viation	Technology & Manufacturing	E	ducation	-	echnical olutions	Н	lealthcare	Total
Balance at October 31, 2017	\$ 529.9	\$ 124.8	\$ 409.3	\$	561.3	\$	180.0	\$	58.9	\$ 1,864.2
Purchase price adjustments	(0.9)	0.4	(2.1)		(3.8)		0.4		(0.2)	(6.2)
Foreign currency translation	(1.1)	(0.2)	_		_		(1.5)		_	(2.8)
Impairment loss <sup>(1)</sup>	_	_	_		_		(20.3)		_	(20.3)
Balance at October 31, 2018	\$ 527.9	\$ 124.9	\$ 407.2	\$	557.4	\$	158.7	\$	58.7	\$ 1,834.8
Reallocation <sup>(2)</sup>	45.7	_	_		1.2		11.8		(58.7)	_
Foreign currency translation	0.3	0.1	_		_		0.3		_	0.6
Balance at October 31, 2019	\$ 573.9	\$ 125.0	\$ 407.2	\$	558.6	\$	170.7	\$	_	\$ 1,835.4

<sup>(1)</sup> Represents accumulated impairment charges at October 31, 2019.

During the fourth quarter of 2018, as part of our annual assessment of goodwill, we recorded a goodwill impairment charge of \$20.3 million for one of our reporting units within the Technical Solutions segment. In 2018, this reporting unit's performance primarily reflected the adverse impact of Brexit and the resulting impact on microeconomic conditions in the U.K. retail sector and the anticipated loss of a significant customer contract. The impairment was also attributable to a decline in profitability in the second half of 2018 and a revised future outlook for the business, including reduced expectations of future sales, operating margins, and cash flows. We did not record goodwill impairment charges during 2019 or 2017.

# **Other Intangible Assets**

		October 31, 2019					October 31, 2018					
<u>(in millions)</u>	С	Gross arrying Amount		cumulated nortization		Total	C	Gross Carrying Accumulate Amount Amortization				
Customer contracts and relationships <sup>(1)</sup>	\$	595.9	\$	(298.9)	\$	297.0	\$	595.7	\$	(243.6)	\$	352.2
Trademarks and trade names		9.8		(9.8)		0.1		9.8		(6.4)		3.4
Contract rights and other		0.5		(0.4)		0.1		0.5		(0.4)		0.1
Total <sup>(2)</sup>	\$	606.2	\$	(309.0)	\$	297.2	\$	606.0	\$	(250.4)	\$	355.7

<sup>(1)</sup> Reflects a net impairment charge of \$6.2 million recorded in 2018, consisting of a \$10.5 million reduction in the gross carrying amount of the underlying customer relationships less \$4.3 million of accumulated amortization.

<sup>(2)</sup> Goodwill associated with our Healthcare business was reallocated in connection with the reorganization of this business during the third quarter of 2019.

<sup>(2)</sup> These intangible assets are being amortized over the expected period of benefit, with a weighted average life of approximately 12 years.

### Estimated Annual Amortization Expense For Each of the Next Five Years

<u>(in millions)</u>	2020	2021	2022	2023	2024		
Estimated amortization expense <sup>(1)</sup>	\$ 49.4	\$ 43.8	\$ 38.2	\$ 33.6	\$	29.1	

<sup>(1)</sup> These amounts could vary as acquisitions of additional intangible assets occur in the future.

During 2018, we recorded an impairment charge of \$6.2 million on customer relationships in the same reporting unit within the Technical Solutions segment due to the same factors discussed above. We did not record impairment charges on other intangible assets during 2019 or 2017.

The estimates of future cash flows used in determining the fair value of goodwill and other intangible assets involve significant management judgment and are based upon assumptions about expected future operating performance, economic conditions, market conditions, and cost of capital. Inherent in estimating the future cash flows are uncertainties beyond our control, such as changes in capital markets. The actual cash flows could differ materially from management's estimates due to changes in business conditions, operating performance, and economic conditions.

#### 12. INSURANCE

We use a combination of insured and self-insurance programs to cover workers' compensation, general liability, automobile liability, property damage, and other insurable risks. For the majority of these insurance programs, we retain the initial \$1.0 million of exposure on a per-occurrence basis, either through deductibles or self-insured retentions. Beyond the retained exposures, we have varying primary policy limits ranging between \$1.0 million and \$5.0 million per occurrence. To cover general liability and automobile liability losses above these primary limits, we maintain commercial umbrella insurance policies that provide aggregate limits of \$200.0 million. Our insurance policies generally cover workers' compensation losses to the full extent of statutory requirements. Additionally, to cover property damage risks above our retained limits, we maintain policies that provide per occurrence limits of \$75.0 million. We are also self-insured for certain employee medical and dental plans. We maintain stop-loss insurance for our self-insured medical plan under which we retain up to \$0.5 million of exposure on a per-participant, per-year basis with respect to claims.

The adequacy of our reserves for workers' compensation, general liability, automobile liability, and property damage insurance claims is based upon known trends and events and the actuarial estimates of required reserves considering the most recently completed actuarial reports. We use all available information to develop our best estimate of insurance claims reserves as information is obtained. The results of actuarial reviews are used to estimate our insurance rates and insurance reserves for future periods and to adjust reserves, if appropriate, for prior years.

# **Insurance Reserve Adjustments**

# **Actuarial Reviews and Updates Performed During 2019**

We review our self-insurance liabilities on a regular basis and adjust our accruals accordingly. Actual claims activity or development may vary from our assumptions and estimates, which may result in material losses or gains. As we obtain additional information that affects the assumptions and estimates used in our reserve liability calculations, we adjust our self-insurance rates and reserves for future periods and, if appropriate, adjust our reserves for claims incurred in prior accounting periods.

During the first and third quarters of 2019, we performed comprehensive actuarial reviews of the majority of our casualty insurance programs, which evaluated all changes made to claims reserves and claims payment activity for the periods of May 1, 2018 through October 31, 2018 and November 1, 2018 through April 30, 2019, respectively (the "Actuarial Reviews"). The Actuarial Reviews were comprehensive in nature and were based on loss development patterns, trend assumptions, and underlying expected loss costs during the periods analyzed.

During the second and fourth quarters of 2019, we performed interim actuarial updates of the majority of our casualty insurance programs that considered changes in claims development and claims payment activity for the respective periods analyzed (the "Interim Updates"). These Interim Updates were abbreviated in nature based on

actual versus expected development during the periods analyzed and relied on the key assumptions in the Actuarial Reviews (most notably loss development patterns, trend assumptions, and underlying expected loss costs).

Based on the results of the Actuarial Reviews and Interim Updates, we decreased our total reserves for known claims as well as our estimate of the loss amounts associated with IBNR Claims for prior periods by \$3.4 million during 2019. In 2018, we increased our total reserves related to prior year claims by \$10.2 million.

# **Insurance Related Balances and Activity**

(in millions)	October	October 31, 2019		
Insurance claim reserves, excluding medical and dental	\$	507.8	\$	501.4
Medical and dental claim reserves		7.2		8.9
Insurance recoverables		64.5		73.7

At October 31, 2019 and 2018, insurance recoverables are included in both "Other current assets" and "Other noncurrent assets" on the accompanying consolidated balance sheets.

# Casualty Program Insurance Reserves Rollforward

	Years Ended October 31,								
(in millions)		2019		2018	2017				
Net balance at beginning of year	\$	427.7	\$	412.5	\$	348.2			
Change in case reserves plus IBNR Claims — current year		137.9		131.4		112.2			
Change in case reserves plus IBNR Claims — prior years		(3.4)		10.2		23.1			
Claims paid		(119.1)		(126.5)		(105.2)			
GCA acquisition				0.1		34.1			
Net balance, October 31 <sup>(1)</sup>		443.3		427.7		412.5			
Recoverables		64.5		73.7		73.1			
Gross balance, October 31	\$	507.8	\$	501.4	\$	485.6			

<sup>(1)</sup> Includes reserves related to discontinued operations of approximately \$1 million for 2019, \$3 million for 2018, and \$10 million for 2017.

# Instruments Used to Collateralize Our Insurance Obligations

(in millions)	As of October 31,						
	 2019		2018				
Standby letters of credit	\$ 141.0	\$	144.1				
Surety bonds	90.8		89.2				
Restricted insurance deposits	0.8		0.6				
Total	\$ 232.6	\$	233.9				

On September 1, 2017, we refinanced and replaced our then-existing \$800.0 million credit facility with a new senior, secured five-year syndicated credit facility (the "Credit Facility"), consisting of a \$900.0 million revolving line of credit and an \$800.0 million amortizing term loan, scheduled to mature on September 1, 2022. In accordance with the terms of the Credit Facility, the line of credit was reduced to \$800.0 million on September 1, 2018. The Credit Facility also provides for the issuance of up to \$300.0 million for standby letters of credit and the issuance of up to \$75.0 million in swingline advances. The obligations under the Credit Facility are secured on a first-priority basis by a lien on substantially all of our assets and properties, subject to certain exceptions.

Borrowings under the Credit Facility bear interest at a rate equal to 1-month LIBOR plus a spread that is based upon our leverage ratio. The spread ranges from 1.00% to 2.25% for Eurocurrency loans and 0.00% to 1.25% for base rate loans. At October 31, 2019, the weighted average interest rate on our outstanding borrowings was 4.05%. We also pay a commitment fee, based on our leverage ratio, ranging from 0.200% to 0.350% on the average daily unused portion of the line of credit that is paid quarterly in arrears. For purposes of this calculation, irrevocable standby letters of credit, which are issued primarily in conjunction with our insurance programs, and cash borrowings are included as outstanding under the line of credit.

The Credit Facility, as amended, contains certain covenants, including a current maximum leverage ratio of 4.00 to 1.0 that steps down by 25 basis points annually each July to 3.50 to 1.0 by July 2021 and a minimum fixed charge coverage ratio of 1.50 to 1.0, as well as other financial and non-financial covenants. In the event of a material acquisition, as defined in the Credit Facility, we may elect to increase the leverage ratio to 3.75 to 1.0 for a total of four fiscal quarters, provided the leverage ratio had already been reduced to 3.50 to 1.0. Our borrowing capacity is subject to, and limited by, compliance with the covenants described above. At October 31, 2019, we were in compliance with these covenants.

The Credit Facility also includes customary events of default, including failure to pay principal, interest, or fees when due, failure to comply with covenants, the occurrence of certain material judgments, or a change in control of the Company. If certain events of default occur, including certain cross-defaults, insolvency, change in control, or violation of specific covenants, the lenders can terminate or suspend our access to the Credit Facility, declare all amounts outstanding (including all accrued interest and unpaid fees) to be immediately due and payable, and require that we cash collateralize the outstanding standby letters of credit.

Total deferred financing costs related to the Credit Facility were \$18.7 million, consisting of \$13.4 million related to the term loan and \$5.2 million related to the line of credit, which are being amortized to interest expense over the term of the Credit Facility.

#### **Credit Facility Information**

(in millions)		October 31, 2019	October 31, 2018
Current portion of long-term debt			
Gross term loan	\$	60.0	\$ 40.0
Unamortized deferred financing costs		(2.8)	(3.0)
Current portion of term loan	\$	57.2	\$ 37.0
Long-term debt			
Gross term loan	\$	680.0	\$ 740.0
Unamortized deferred financing costs		(4.1)	(6.9)
Total noncurrent portion of term loan	<u>-</u>	675.9	 733.1
Line of credit <sup>(1)(2)</sup>		68.4	169.0
Long-term debt	\$	744.2	\$ 902.0

<sup>(1)</sup> Standby letters of credit amounted to \$149.8 million at October 31, 2019.

<sup>(2)</sup> At October 31, 2019, we had borrowing capacity of \$574.2 million; however, covenant restrictions limited our borrowing capacity to \$406.6 million.

#### **Term Loan Maturities**

During 2019, we made principal payments under the term loan of \$40.0 million. As of October 31, 2019, the following principal payments are required under the term loan.

<u>(in millions)</u>	2020	2021	2022	
Debt maturities	\$ 60.0	\$ 120.0	\$ 560.0	

#### **Interest Rate Swaps**

We enter into interest rate swaps to manage the interest rate risk associated with our floating-rate, LIBOR-based borrowings. Under these arrangements, we typically pay a fixed interest rate in exchange for LIBOR-based variable interest throughout the life of the agreement. We initially report the mark-to-market gain or loss on a derivative as a component of AOCI and subsequently reclassify the gain or loss into earnings when the hedged transactions occur and affect earnings. Interest payables and receivables under the swap agreements are accrued and recorded as adjustments to interest expense. All of our interest rate swaps have been designated and accounted for as cash flow hedges from inception. See Note 8, "Fair Value of Financial Instruments," regarding the valuation of our interest rate swaps.

In April 2018, we elected to terminate our interest rate swaps then in effect and received cash proceeds of \$25.9 million from the swap counterparties upon termination. We subsequently entered into new forward-starting interest rate swaps, as summarized below.

Notional Amount	Fixed Interest Rate	Effective Date	Maturity Date
\$ 90.0 million	2.83%	November 1, 2018	April 30, 2021
\$ 90.0 million	2.84%	November 1, 2018	October 31, 2021
\$ 130.0 million	2.86%	November 1, 2018	April 30, 2022
\$ 130.0 million	2.84%	November 1, 2018	September 1, 2022

At October 31, 2019 and 2018, amounts recorded in AOCI for interest rate swaps were \$2.2 million, net of taxes of \$1.2 million, and \$17.8 million, net of taxes of \$7.1 million, respectively. These amounts included the gain associated with the interest rate swaps we terminated in 2018, which is being amortized to interest expense as interest payments are made over the term of our Credit Facility. During 2019, we amortized \$4.1 million, net of taxes of \$1.5 million, of that gain and we amortized \$1.8 million, net of taxes of \$0.7 million, during 2018. At October 31, 2019, the total amount expected to be reclassified from AOCI to earnings during the next twelve months was \$0.2 million, net of taxes of \$0.2 million.

#### **Defined Benefit Plans**

We provide benefits to certain employees under various defined benefit and postretirement benefit plans (collectively, the "Plans"). The Plans were previously amended to preclude new participants. All but one of the Plans are unfunded.

#### Information for the Plans

		As of October 31,							
(in millions)	201	19		2018					
Net obligations	\$	8.4	\$	7.4					
Projected benefit obligations		16.1		15.0					
Fair value of assets		7.8		7.6					

At October 31, 2019, assets of the Plans were invested 49% in equities, 49% in fixed income, and 2% in cash. The expected return on assets was \$0.4 million during each of 2019, 2018, and 2017. The aggregate net periodic benefit cost for all Plans was \$0.6 million for 2019 and \$0.2 million during each of 2018 and 2017. Future benefit payments in the aggregate are expected to be \$14.2 million.

#### **Deferred Compensation Plans**

We maintain deferred compensation plans that permit eligible employees and directors to defer a portion of their compensation. At October 31, 2019 and 2018, the total liability of all deferred compensation was \$13.2 million and \$13.9 million, respectively, and these amounts are included in "Other accrued liabilities" and "Other noncurrent liabilities" on the accompanying consolidated balance sheets. Under one of our deferred compensation plans, a Rabbi trust was created to fund the obligations, and we are required to contribute a portion of the deferred compensation contributions for eligible participants. The assets held in the Rabbi trust are not available for general corporate purposes. At October 31, 2019 and 2018, the fair value of these assets was \$2.5 million and \$2.7 million, respectively, and these amounts are included in "Other noncurrent assets" on the accompanying consolidated balance sheets. Aggregate expense recognized under these deferred compensation plans was \$0.3 million for 2019 and \$0.4 million for each of 2018 and 2017.

#### **Defined Contribution Plans**

We sponsor four defined contribution plans covering certain employees that are subject to the applicable provisions of the Employee Retirement Income Security Act of 1974 and the Internal Revenue Code ("IRC"). Certain plans permit a company match of a portion of the participant's contributions or a discretionary contribution after the participant has met the eligibility requirements set forth in the plan. During 2019, 2018, and 2017, we made matching contributions required by the plans of \$24.3 million, \$21.6 million, and \$13.7 million, respectively.

# **Multiemployer Pension and Postretirement Plans**

We participate in various multiemployer pension plans under union and industry-wide agreements that provide defined pension benefits to employees covered by collective bargaining agreements. Because of the nature of multiemployer plans, there are risks associated with participation in these plans that differ from single-employer plans. Assets contributed by an employer to a multiemployer plan are not segregated into a separate account and are not restricted to provide benefits only to employees of that contributing employer. In the event another participating employer in a multiemployer plan no longer contributes to the plan, the unfunded obligations of the plan may be borne by the remaining participating employers, including us. In the event of the termination of a multiemployer pension plan or a withdrawal from a multiemployer pension plan, we could incur material liabilities under applicable law.

# Key Information for Individually Significant Multiemployer Defined Benefit Pension Plans<sup>(1)</sup>

(§ in millions)			otection Act tatus <sup>(3)</sup>	FIP/RP Status <sup>(4)</sup>		Contributions by ABM				М	Surcharge	Expiration Dates of Collective										
Pension Fund	EIN/PN(2)	2019	2018	Pending/ Implemented	2019		2018		2018		2018		2018		2018		2019 2018			2017	Imposed <sup>(5)</sup>	Bargaining Agreements
Building Service 32BJ Pension Fund	13-1879376 / 001	Red 6/30/2018	Red 6/30/2017	Implemented	\$	19.3	\$	19.9	\$	20.1	No	12/31/2019										
Central Pension Fund of the IUOE & Participating Employers	36-6052390 / 001	Green 1/31/2019	Green 1/31/2018	N/A*		11.7		11.0		10.7	N/A*	4/30/2020 – 12/31/2022										
S.E.I.U. National Industry Pension Fund	52-6148540 / 001	Red 12/31/2018	Red 12/31/2017	Implemented		10.6		8.7		7.2	Yes	4/30/2020 – 1/31/2023										
SEIU Local 1 & Participating Employers Pension Trust	36-6486542 / 001	Green 9/30/2018	Green 9/30/2017	N/A*		5.1		5.8		6.0	N/A*	4/4/2021										
IUOE Stationary Engineers Local 39 Pension Plan	94-6118939 / 001	Green 12/31/2018	Green 12/31/2017	N/A*		4.6		5.2		4.8	N/A*	11/30/2020 – 8/31/2023										
Local 68 Engineers Union Pension Plan	51-0176618 / 001	Yellow 6/30/2018	Red 6/30/2017	Implemented		3.2		3.0		2.8	No	4/30/2020 – 8/31/2022										
Western Conference of Teamsters Pension Plan	91-6145047 / 001	Green 12/31/2018	Green 12/31/2017	N/A*		3.1		3.1		3.5	N/A*	5/31/2020 – 12/31/2022										
All Other Plans:						9.0		8.5		8.0												
Total Contributions					\$	66.6	\$	65.3	\$	63.1												

<sup>\*</sup> Not applicable

<sup>(1)</sup> To determine individually significant plans, we evaluated several factors, including our total contributions to the plan, our significance to the plan in terms of participating employees and contributions, and the funded status of the plan.

<sup>(2)</sup> The "EIN/PN" column provides the Employer Identification Number and the three-digit plan number assigned to the plan by the Internal Revenue Service ("IRS").

<sup>(3)</sup> The Pension Protection Act Zone Status columns provide the two most recently available Pension Protection Act zone statuses from each plan. The zone status is based on information provided to us and other participating employers and is certified by each plan's actuary. Among other factors, plans in the red zone are generally less than 65% funded, plans in the yellow zone are less than 80% funded, and plans in the green zone are at least 80% funded.

<sup>(4)</sup> Indicates whether a Financial Improvement Plan ("FIP") for yellow zone plans or a Rehabilitation Plan ("RP") for red zone plans is pending or implemented.

<sup>(5)</sup> Indicates whether our contribution in 2019 included an amount as imposed by a plan in the red zone in addition to the contribution rate specified in the applicable collective bargaining agreement.

# Contributions to the plan exceeded more than 5% of total contributions per most currently available Forms 5500

Pension Fund	(as of the plan's year end)
Arizona Sheet Metal Pension Trust Fund*	6/30/2018, 6/30/2016
Building Service 32BJ Pension Fund	6/30/2018, 6/30/2017, and 6/30/2016
Building Service Pension Plan*	4/30/2018, 4/30/2017, and 4/30/2016
Contract Cleaners Service Employees' Pension Plan*	12/31/2018, 12/31/2017, and 12/31/2016
Firemen & Oilers Pension Plan of SEIU Local 1*	7/31/2018 and 7/31/2017
SEIU Local 1 & Participating Employers Pension Trust	9/30/2018, 9/30/2017, and 9/30/2016
Massachusetts Service Employees Pension Plan*	12/31/2018, 12/31/2017, and 12/31/2016
S.E.I.U. National Industry Pension Fund	12/31/2018, 12/31/2017, and 12/31/2016
Service Employees International Union Local 1 Cleveland Pension Plan*	12/31/2018, 12/31/2017, and 12/31/2016
Service Employees International Union Local 32BJ, District 36 Building Operators Pension Trust Fund*	12/31/2018, 12/31/2017, and 12/31/2016
Teamsters Local 617 Pension Fund*	2/28/2019, 2/28/2018, and 2/28/2017
Teamsters Local Union No. 727 Pension Plan*	2/28/2019, 2/28/2018, and 2/28/2017

<sup>\*</sup> These plans are not separately listed in our multiemployer table as they represent an insignificant portion of our total multiemployer pension plan contributions.

There have been no significant changes that affect the comparability of total contributions for any of the periods presented.

# **Multiemployer Defined Contribution Plans**

In addition to contributions noted above, we also make contributions to multiemployer defined contribution plans. During 2019, 2018, and 2017, our contributions to the defined contribution plans were \$9.0 million, \$10.6 million, and \$5.4 million, respectively.

#### Other Multiemployer Benefit Plans

We also contribute to several multiemployer postretirement health and welfare plans based on obligations arising under collective bargaining agreements covering union-represented employees. These plans may provide medical, pharmacy, dental, vision, mental health, and other benefits to employees as determined by the trustees of each plan. The majority of our contributions benefit active employees and, as such, may not constitute contributions to a postretirement benefit plan. However, since we are unable to separate contribution amounts to postretirement benefit plans from contribution amounts paid to benefit active employees, we categorize all such amounts as contributions to postretirement benefit plans. During 2019, 2018, and 2017, our contributions to such plans were \$269.8 million, \$263.4 million, and \$247.9 million, respectively. There have been no significant changes that affect the comparability of total contributions for any of the periods presented.

#### **Lease and Other Similar Commitments**

# **Future Minimum Payments**

<u>(in millions)</u>	Capital		Operating and Other <sup>(1)</sup>			Service Concession Arrangements		
October 31, 2020	\$	3.1	\$	42.8	\$	20.8		
October 31, 2021		2.5		35.5		16.0		
October 31, 2022		1.3		30.3		15.4		
October 31, 2023		0.6		25.6		15.4		
October 31, 2024		_		20.5		15.4		
Thereafter				51.8		21.9		
Total	\$	7.5	\$	206.5	\$	105.0		

<sup>(1)</sup> Includes total estimated sublease rental income of \$15.8 million.

### **Rental and Other Expense**

	Years Ended October 31,								
(in millions)	2019			2018		2017			
Minimum rental and other	\$	101.6	\$	133.3	\$	121.5			
Contingent rental and other		9.9		26.8		34.3			
Total <sup>(1)</sup>	\$	111.6	\$	160.1	\$	155.8			

<sup>(1) 2018</sup> and 2017 include \$47.8 million and \$48.0 million, respectively, related to service concession arrangements. In 2019, following the adoption of Topic 853, rent expense related to service concession arrangements is now recorded as a reduction of revenues.

### **Letters of Credit and Surety Bonds**

We use letters of credit and surety bonds to secure certain commitments related to insurance programs and for other purposes. As of October 31, 2019, these letters of credit and surety bonds totaled \$149.8 million and \$596.8 million, respectively.

# Guarantees

In some instances, we offer clients guaranteed energy savings under certain energy savings contracts. At October 31, 2019 and 2018, total guarantees were \$174.8 million and \$171.7 million, respectively, and these guarantees extend through 2038 for both periods. We accrue for the estimated cost of guarantees when it is probable that a liability has been incurred and the amount can be reasonably estimated. Historically, we have not incurred any material losses in connection with these guarantees.

In connection with an unconsolidated joint venture in which one of our subsidiaries has a 33% ownership interest, that subsidiary and the other joint venture partners have each jointly and severally guaranteed the obligations of the joint venture to perform under certain contracts extending through 2024. Annual revenues relating to the underlying contracts are approximately \$41 million. Should the joint venture be unable to perform under these contracts, the joint venture partners would be jointly and severally liable for any losses incurred by the client due to the failure to perform.

### Indemnifications

We are party to a variety of agreements under which we may be obligated to indemnify the other party for certain matters. These agreements are primarily standard indemnification arrangements entered into in our ordinary course of business. Pursuant to these arrangements, we may agree to indemnify, hold harmless, and reimburse the indemnified parties for losses suffered or incurred by the indemnified party, generally our clients, in connection with any claims arising out of the services that we provide. We also incur costs to defend lawsuits or settle claims related

to these indemnification arrangements, and in most cases these costs are paid from our insurance program. Although we attempt to place limits on such indemnification arrangements related to the size of the contract, the maximum obligation may not be explicitly stated and, as a result, we are unable to determine the maximum potential amount of future payments we could be required to make under these arrangements.

Our certificate of incorporation and bylaws may require us to indemnify our directors and officers for certain liabilities that were incurred as a result of their status or service to ABM as a director or officer. The amount of these obligations cannot be reasonably estimated.

# **Unclaimed Property Audits**

We routinely remit escheat payments to states in compliance with applicable escheat laws, and we are subject to unclaimed property audits by states in the ordinary course of business. The property subject to review in the audit process may include unclaimed wages, vendor payments, or customer refunds. State escheat laws generally require entities to report and remit abandoned or unclaimed property to the state, and failure to do so can result in assessments that could include interest and penalties in addition to the payment of the escheat liability.

#### **Sales Tax Audits**

We collect sales tax from clients and remit those collections to the applicable states. When clients fail to pay their invoices, including the amount of any sales tax that we paid on their behalf, in some cases we are entitled to seek a refund of that amount of sales tax from the applicable state.

Sales tax laws and regulations enacted by the various states are subject to interpretation, and our compliance with such laws is routinely subject to audit and review by such states. Audit risk is concentrated in several states, and these states are conducting ongoing audits. The outcomes of ongoing and any future audits and changes in the states' interpretation of the sales tax laws and regulations could materially adversely impact our results of operations.

# **Legal Matters**

We are a party to a number of lawsuits, claims, and proceedings incident to the operation of our business, including those pertaining to labor and employment, contracts, personal injury, and other matters, some of which allege substantial monetary damages. Some of these actions may be brought as class actions on behalf of a class or purported class of employees.

At October 31, 2019, the total amount accrued for all probable litigation losses where a reasonable estimate of the loss could be made was \$6.5 million.

Litigation outcomes are difficult to predict and the estimation of probable losses requires the analysis of multiple possible outcomes that often depend on judgments about potential actions by third parties. If one or more matters are resolved in a particular period in an amount in excess of, or in a manner different than, what we anticipated, this could have a material adverse effect on our financial position, results of operations, or cash flows.

We do not accrue for contingent losses that, in our judgment, are considered to be reasonably possible but not probable. The estimation of reasonably possible losses also requires the analysis of multiple possible outcomes that often depend on judgments about potential actions by third parties. Our management currently estimates the range of loss for all reasonably possible losses for which a reasonable estimate of the loss can be made is between zero and \$6 million. Factors underlying this estimated range of loss may change from time to time, and actual results may vary significantly from this estimate.

In some cases, although a loss is probable or reasonably possible, we cannot reasonably estimate the maximum potential losses for probable matters or the range of losses for reasonably possible matters. Therefore, our accrual for probable losses and our estimated range of loss for reasonably possible losses do not represent our maximum possible exposure.

While the results of these lawsuits, claims, and proceedings cannot be predicted with any certainty, our management believes that the final outcome of these matters will not have a material adverse effect on our financial position, results of operations, or cash flows.

#### Certain Legal Proceedings

Certain lawsuits to which we are a party are discussed below. In determining whether to include any particular lawsuit or other proceeding, we consider both quantitative and qualitative factors. These factors include, but are not limited to: the amount of damages and the nature of any other relief sought in the proceeding; if such damages and other relief are specified, our view of the merits of the claims; whether the action is or purports to be a class action, and our view of the likelihood that a class will be certified by the court; the jurisdiction in which the proceeding is pending; and the potential impact of the proceeding on our reputation.

The Consolidated Cases of Bucio and Martinez v. ABM Janitorial Services filed on April 7, 2006, pending in the Superior Court of California, County of San Francisco (the "Bucio case")

The *Bucio* case is a class action pending in San Francisco Superior Court that alleges we failed to provide legally required meal periods and make additional premium payments for such meal periods, pay split shift premiums when owed, and reimburse janitors for travel expenses. There is also a claim for penalties under the California Labor Code Private Attorneys General Act ("PAGA"). On April 19, 2011, the trial court held a hearing on plaintiffs' motion to certify the class. At the conclusion of that hearing, the trial court denied plaintiffs' motion to certify the class. On May 11, 2011, the plaintiffs filed a motion to reconsider, which was denied. The plaintiffs appealed the class certification issues. The trial court stayed the underlying lawsuit pending the decision in the appeal. The Court of Appeal of the State of California, First Appellate District (the "Court of Appeal"), heard oral arguments on November 7, 2017. On December 11, 2017, the Court of Appeal reversed the trial court's order denying class certification and remanded the matter for certification of a meal period, travel expense reimbursement, and split shift class. The case was remitted to the trial court for further proceedings on class certification, discovery, dispositive motions, and trial.

On September 20, 2018, the trial court entered an order defining four certified subclasses of janitors who were employed by the legacy ABM janitorial companies in California at any time between April 7, 2002 and April 30, 2013, on claims based on alleged previous automatic deduction practices for meal breaks, unpaid meal premiums, unpaid split shift premiums, and unreimbursed business expenses, such as mileage reimbursement for use of personal vehicles to travel between worksites. On February 1, 2019, the trial court held that the discovery related to PAGA claims allegedly arising after April 30, 2013 would be stayed until after the class and PAGA claims accruing prior to April 30, 2013 had been tried. The parties engaged in mediation in July 2019, which did not result in settlement of the case. On October 17, 2019, the plaintiffs filed a motion asking the trial court to certify additional classes based on an alleged failure to maintain time records, an alleged failure to provide accurate wage statements, and an alleged practice of combining meal and rest breaks. Our response to this motion was filed on November 4, 2019, and the trial court heard the matter on December 10, 2019. This matter is currently set for trial on May 26, 2020. Prior to trial, we will have the opportunity to move for summary judgment, seek decertification of the classes, or engage in further mediation, if we deem such actions appropriate. We expect to engage in one or more such activities in upcoming quarters.

Castro and Marmolejo v. ABM Industries, Inc., et al., filed on October 24, 2014, pending in the United States District Court for the Northern District of California (the "Castro case")

On October 24, 2014, Plaintiff Marley Castro filed a class action lawsuit alleging that ABM did not reimburse janitorial employees in California for using their personal cell phones for work-related purposes, in violation of California Labor Code section 2802. On January 23, 2015, Plaintiff Lucia Marmolejo was added to the case as a named plaintiff. On October 27, 2017, plaintiffs moved for class certification seeking to represent a class of all employees who were, are, or will be employed by ABM in the State of California with the Employee Master Job Description Code "Cleaner" (hereafter referred to as "Cleaner Employees") beginning from October 24, 2010. ABM filed its opposition to class certification on November 27, 2017. On January 26, 2018, the district court granted plaintiffs' motion for class certification. The court rejected plaintiffs' proposed class, instead certifying three classes that the court formulated on its own: (1) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to punch in and out of the EPAY system and who (a) worked at an ABM facility that did not provide a biometric clock and (b) were not offered an ABM-provided cell phone during the period beginning on January 1, 2012, through the date of notice to the Class Members that a class has been certified in this action; (2) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to report unusual or suspicious circumstances to supervisors and were not offered (a) an ABM-provided cell phone or (b) a two-way radio during the period beginning four years prior to the filing of the original complaint, October 24, 2014, through the date of notice to the Class Members that a class has been certified in this action; and (3) all employees who were, are, or will be employed by ABM in the State of California as Cleaner Employees who used a personal cell phone to respond to communications from supervisors and were not offered (a) an ABMprovided cell phone or (b) a two-way radio during the period beginning four years prior to the filing of the

original complaint, October 24, 2014, through the date of notice to the Class Members that a class has been certified in this action.

On February 9, 2018, ABM filed a petition for permission to appeal the district court's order granting class certification with the United States Court of Appeals for the Ninth Circuit, which was denied on April 30, 2018. On March 20, 2018, ABM moved to compel arbitration of the claims of certain class members pursuant to the terms of three collective bargaining agreements. In response to that motion, on May 14, 2018, the district court modified the class definition to exclude all claims arising after the operative date(s) of the applicable collective bargaining agreements (which is June 1, 2016 for one agreement and May 1, 2016 for the other two agreements). However, the district court denied the motion to compel arbitration as to claims that arose prior to the operative date(s) of the applicable collective bargaining agreements. ABM appealed to the Ninth Circuit the district court's order denying the motion to compel arbitration with respect to the periods preceding the operative dates of the collective bargaining agreements.

After a court-ordered mediation held on October 15, 2018, the parties agreed to a class action settlement of \$5.4 million, subject to court approval. The plaintiffs' motion for preliminary approval of the settlement was filed on January 4, 2019, and the court held a hearing on the motion on February 12, 2019. On February 14, 2019, the court granted preliminary approval of the settlement. The court granted final approval of the settlement on September 3, 2019, and the settlement was funded on September 23, 2019. In connection with the settlement, we modified our existing written policies for California to expressly confirm that ABM service workers are not required to use personal cell phones for work purposes and began centralizing the process and implementing technology for such employees to request reimbursement for personal cell phone use due to work. Because the settlement was finally approved, on October 31, 2019, ABM dismissed its Ninth Circuit appeal regarding the district court's order denying the motion to compel arbitration.

#### 16. PREFERRED AND COMMON STOCK

# **Preferred Stock**

We are authorized to issue 500,000 shares of preferred stock. None of these preferred shares are issued.

#### **Common Stock**

On September 2, 2015, our Board of Directors authorized a program to repurchase up to \$200.0 million of our common stock (the "2015 Share Repurchase Program"). At October 31, 2019, authorization for \$134.1 million of repurchases remained under our 2015 Share Repurchase Program. Effective December 18, 2019, our Board of Directors replaced the 2015 Share Repurchase Program with a new share repurchase program under which we may repurchase up to \$150.0 million of our common stock. These purchases may take place on the open market or otherwise, and all or part of the repurchases may be made pursuant to Rule 10b5-1 plans or in privately negotiated transactions. The timing of repurchases is at our discretion and will depend upon several factors, including market and business conditions, future cash flows, share price, share availability, and other factors at our discretion. Repurchased shares are retired and returned to an authorized but unissued status. The repurchase program may be suspended or discontinued at any time without prior notice.

# Repurchase Activity

There were no share repurchases during 2019 or 2018. During 2017, we repurchased 0.2 million shares at an average price paid per share of \$40.07 for total cash paid of \$7.9 million.

#### 17. SHARE-BASED COMPENSATION PLANS

We use various share-based compensation plans to provide incentives for our key employees and directors. Currently, these incentives primarily consist of RSUs, performance shares, and stock options.

On May 2, 2006, our stockholders approved the 2006 Equity Incentive Plan (the "2006 Equity Plan"). The 2006 Equity Plan is an omnibus plan that provides for a variety of equity and equity-based award vehicles, including stock options, stock appreciation rights, RSUs, performance shares, and other share-based awards. Shares subject to awards that terminate without vesting or exercise are available for future awards under the 2006 Equity Plan. Certain of the awards under the 2006 Equity Plan may qualify as "performance-based" compensation under the IRC.

As amended, there are 13,475,265 total shares of common stock authorized for issuance under the 2006 Equity Plan, and at October 31, 2019, there were 2,793,556 shares of common stock available for grant for future equity-based compensation awards. In addition, there are certain plans under which we can no longer issue awards, although awards outstanding under these plans may still vest and be exercised.

We also maintain an employee stock purchase plan, which our stockholders approved on March 9, 2004 (the "2004 Employee Stock Purchase Plan"). As amended, there are 4,000,000 total shares of common stock authorized for issuance under the 2004 Employee Stock Purchase Plan. Effective May 1, 2006, the 2004 Employee Stock Purchase Plan is no longer considered compensatory and the values of the awards are no longer treated as share-based compensation expense. Additionally, as of that date, the purchase price became 95% of the fair value of our common stock price on the last trading day of the month. Employees may designate up to 10% of their compensation for the purchase of stock, subject to a \$25,000 annual limit. Employees are required to hold their shares for a minimum of six months from the date of purchase. At October 31, 2019, there were 705,213 remaining unissued shares under the 2004 Employee Stock Purchase Plan.

# Compensation Expense by Type of Award and Related Income Tax Benefit

	Years Ended October 31,							
(in millions)		2019		2018	2017			
RSUs	\$	9.5	\$	9.3	\$	7.2		
Performance shares		8.0		7.7		6.1		
Share-based compensation expense before income taxes		17.5		17.0		13.3		
Income tax benefit		(4.9)		(5.1)		(5.4)		
Share-based compensation expense, net of taxes	\$	12.5	\$	11.8	\$	7.9		

# **RSUs and Dividend Equivalent Rights**

We award RSUs to eligible employees and our directors (each, a "Grantee") that entitle the Grantee to receive shares of our common stock as the units vest. RSUs granted to eligible employees generally vest with respect to 50% of the underlying award on the second and fourth anniversary of the award. RSUs granted to directors vest over three years. In general, the receipt of RSUs is subject to the Grantee's continuing employment or service as a director.

RSUs are credited with dividend equivalent rights that are converted to RSUs at the fair market value of our common stock on the dates the dividend payments are made and are subject to the same terms and conditions as the underlying award.

#### **RSU Activity**

	Number of Shares (in millions)	Weighted-Average Grant Date Fair Value per Share			
Outstanding at October 31, 2018	0.8	\$ 36.61			
Granted	0.3	34.48			
Vested (including 0.1 shares withheld for income taxes)	(0.3)	33.69			
Forfeited	(0.1)	36.27			
Outstanding at October 31, 2019	0.7	\$ 36.92			

At October 31, 2019, total unrecognized compensation cost, net of estimated forfeitures, related to RSUs was \$16.0 million, which is expected to be recognized ratably over a weighted-average vesting period of 2.4 years. In 2019, 2018, and 2017, the weighted-average grant date fair value per share of awards granted was \$34.48, \$37.98, and \$41.79, respectively. In 2019, 2018, and 2017, the total grant date fair value of RSUs vested and converted to shares of ABM common stock was \$10.7 million, \$7.4 million, and \$9.4 million, respectively.

#### **Performance Shares, Including TSR Performance Shares**

Performance shares consist of a contingent right to receive shares of our common stock based on performance targets adopted by our Compensation Committee. Performance shares are credited with dividend equivalent rights that will be converted to performance shares at the fair market value of our common stock beginning after the performance targets have been satisfied and are subject to the same terms and conditions as the underlying award.

For certain performance share awards, the number of performance shares that will vest is based on pre-established internal financial performance targets and typically a three-year service and performance period. The number of TSR awards and TSR-modified awards that will vest over the respective three-year performance period is based on our total shareholder return relative to the S&P 600 Small Cap Index for awards that were granted in 2016, 2017, or 2018, and is based on the S&P 1500 Commercial Services & Supplies Index for awards that were granted in 2019. Vesting of 0% to 150% of the awards originally granted may occur depending on the respective performance metrics under both award types.

# Performance Share Activity

	Number of Shares (in millions)	Weighted-Average Grant Date Fair Value per Share			
Outstanding at October 31, 2018	0.8	\$ 35.96			
Granted	0.4	35.44			
Vested (including 0.1 shares withheld for income taxes)	(0.2)	27.58			
Performance adjustments	(0.1)	39.69			
Forfeited	(0.1)	37.38			
Outstanding at October 31, 2019	0.8	\$ 38.06			

At October 31, 2019, total unrecognized compensation cost related to performance share awards was \$14.2 million, which is expected to be recognized ratably over a weighted-average vesting period of 1.8 years. Except for TSR performance shares, these costs are based on estimated achievement of performance targets and estimated costs are periodically reevaluated. For our TSR performance shares, these costs are based on the fair value of awards at the grant date and are recognized on a straight-line basis over the service period of three years.

In 2019, 2018, and 2017, the weighted-average grant date fair value per share of awards granted was \$35.44, \$38.53, and \$39.21, respectively. In 2019, 2018, and 2017, the total grant date fair value of performance shares vested and converted to shares of ABM common stock was \$6.8 million, \$7.3 million, and \$7.0 million, respectively.

In 2019, 2018, and 2017, we used the Monte Carlo simulation valuation technique to estimate the fair value of TSR performance share grants, which used the assumptions in the table below.

# **Monte Carlo Assumptions**

	2019	2018	2017		
Expected life <sup>(1)</sup>	2.81 years	2.81 years	2.14 years		
Expected stock price volatility <sup>(2)</sup>	27.7%	21.6%	21.4%		
Risk-free interest rate <sup>(3)</sup>	2.5%	2.0%	1.3%		
Stock price <sup>(4)</sup>	\$ 34.92	\$ 39.02	\$ 40.21		

<sup>&</sup>lt;sup>(1)</sup> The expected life represents the remaining performance period of the awards.

# **Stock Options**

Typically, stock options vest and become exercisable at a rate of 25% per year beginning one year after the date of grant. However, terms of stock options can vary, and certain stock options granted on January 10, 2011 vested on the fifth anniversary of the award. We have not granted stock options since 2013. All option grants provide for an option exercise price equal to the closing market value of the common stock on the date of grant. Options typically expire 7 years after the date of grant.

#### Stock Option Activity

	Number of Shares (in millions)	Weighted-Average Weighted-Average Remaining Exercise Price per Share Contractual Term (in years) <sup>(1)</sup>			aggregate Intrinsic
Outstanding at October 31, 2018	0.2	\$ 16.09			
Forfeited or expired	_	15.94			
Exercised	(0.1)	18.03			
Outstanding at October 31, 2019	0.1	\$ 14.82	0.9	\$	2.2
Exercisable at October 31, 2019	_	\$ 18.85	0.9	\$	0.5

<sup>(1)</sup> Excludes contractual terms associated with plans prior to the 2006 Equity Plan due to the uncertainty of expiration.

At October 31, 2019, we had no unrecognized compensation cost related to stock option grants. For 2019, 2018, and 2017, the total intrinsic value of stock options exercised was \$1.4 million, \$0.6 million, and \$2.6 million, respectively. In 2019 and 2018 no stock options vested. In 2017, the total grant date fair value of stock options vested was \$0.2 million.

# **Employee Stock Purchase Plan**

	Years Ended October 31,							
(in millions, except per share amounts)	·	2019		2018		2017		
Weighted-average fair value of granted purchase rights per share	\$	1.77	\$	1.70	\$	2.11		
Common stock issued		0.1		0.1		0.1		
Fair value of common stock issued per share	\$	33.60	\$	32.34	\$	40.07		
Aggregate purchases	\$	4.1	\$	4.7	\$	4.7		

<sup>(2)</sup> The expected volatility for each grant is determined based on the historical volatility of our common stock over a period equal to the remaining term of the performance period from the date of grant for all awards.

<sup>(3)</sup> The risk-free interest rate is based on the continuous compounded yield on U.S. Treasury Constant Maturity Rates with varying remaining terms; the yield is determined over a time period commensurate with the performance period from the grant date.

<sup>(4)</sup> The stock price is the closing price of our common stock on the valuation date.

<sup>(2)</sup> Amount by which the current market price of our common stock on October 31, 2019 exceeds the exercise price.

# Geographic Sources of Income from Continuing Operations Before Income Taxes

	Years Ended October 31,							
(in millions)		2019		2018		2017		
United States	\$	137.1	\$	94.8	\$	76.1		
Foreign		23.1		(7.1)		10.8		
Income from continuing operations before income taxes	\$	160.2	\$	87.7	\$	86.9		

# **Components of Income Tax (Provision) Benefit**

	Years Ended October 31,						
(in millions)	2019	2018			2017		
Current:							
Federal	\$ (6.4)	\$	(4.3)	\$	(5.9)		
State	(10.7)		(7.3)		(6.0)		
Foreign	(5.9)		(3.9)		(3.0)		
Deferred:							
Federal	(8.5)		21.8		5.0		
State	(1.6)		0.2		0.3		
Foreign	0.4		1.7		0.8		
Income tax (provision) benefit	\$ (32.7)	\$	8.2	\$	(8.8)		

# Reconciliation of the U.S. Statutory Tax Rate to Annual Effective Tax Rate

	Years Ended October 31,			
	2019	2018	2017	
U.S. statutory rate	21.0%	23.3%	35.0%	
State and local income taxes, net of federal tax benefit	5.9	6.9	5.5	
Federal and state tax credits	(3.9)	(7.8)	(7.5)	
Impact of foreign operations	(1.0)	1.3	(2.7)	
Changes in uncertain tax positions	(0.8)	(6.7)	(19.7)	
Incremental tax benefit from share-based compensation awards	(0.7)	(3.9)	(4.2)	
Tax credits for energy efficient government buildings	_	(3.2)	(2.2)	
Impact from goodwill impairment	_	4.4	_	
Transition tax on foreign earnings	(1.1)	5.1	_	
Remeasurement of U.S. deferred taxes	(0.3)	(31.5)	_	
Nondeductible expenses	2.1	2.4	5.7	
Other, net	(0.8)	0.3	0.1	
Effective tax rate	20.4 %	(9.4)%	10.1 %	

On December 22, 2017, the Tax Act was enacted into law. Among other provisions, it reduced the federal corporate income tax rate from 35% to 21% and required companies to pay a one-time transition tax on the deemed repatriation of indefinitely reinvested earnings of international subsidiaries. Our U.S. statutory federal tax rate for fiscal 2019 and future years was reduced to 21% from our blended rate of 23.3% in fiscal 2018. Other provisions under the Tax Act became effective for us in fiscal 2019, including limitations on deductibility of interest and executive compensation, as well as a new minimum tax on Global Intangible Low-Taxed Income ("GILTI"), which we have elected to account for as a period cost.

During 2018, we finalized our analysis of the transitional impacts of the Tax Act. As a result, we recorded a one-time tax benefit of \$29.6 million from the remeasurement of certain deferred tax assets and liabilities based on the new tax rates at which they are expected to reverse in the future. In addition, we recorded an expense of \$4.5 million for the one-time transition tax on the deemed repatriation of indefinitely reinvested earnings of our international

subsidiaries. Upon finalizing our tax filings, the impact of the transition tax was ultimately an expense of \$2.7 million, which resulted in a benefit of \$1.8 million that was recorded in the fourth quarter of 2019. We plan to reinvest our foreign earnings to fund future non-U.S. growth and expansion, and we do not anticipate remitting such earnings to the United States. While U.S. federal tax expense has been recognized as a result of the Tax Act, no deferred tax liabilities with respect to federal and state income taxes or foreign withholding taxes have been recognized.

During 2019 and 2018, we had effective tax rates of 20.4% and (9.4)%, respectively, resulting in a provision for tax of \$32.7 million and a benefit from tax of \$8.2 million, respectively. Our effective tax rate for 2019 was impacted by the following discrete items: a \$1.8 million benefit from the transition tax (including foreign tax credits); a \$1.7 million benefit from state true-ups; a \$1.6 million benefit from federal true-ups; a \$1.3 million provision related to the Work Opportunity Tax Credit ("WOTC"); a \$1.3 million benefit from expiring statutes of limitations; a \$1.1 million benefit from the vesting of share-based compensation awards; and a \$0.9 million benefit from research and development credits. Our effective tax rate for 2018 was impacted by the following discrete items: a \$23.2 million benefit related to the Tax Act enactment; a \$5.8 million benefit from expiring statutes of limitations; a \$3.4 million benefit from the vesting of share-based compensation awards; a \$2.8 million benefit for energy efficient government buildings; and a \$1.0 million provision for certain tax credits, including WOTC.

#### **Components of Deferred Tax Assets and Liabilities**

	As of October 31,						
(in millions)	 2019		2018				
Deferred tax assets attributable to:							
Self-insurance claims (net of recoverables)	\$ 83.6	\$	83.5				
Deferred and other compensation	25.6		22.7				
Accounts receivable allowances	5.6		6.5				
Settlement liabilities	3.1		3.3				
Other accruals	1.8		(0.3)				
Other comprehensive income	0.5		(5.7)				
State taxes	0.4		0.5				
State net operating loss carryforwards	11.2		15.9				
Federal net operating loss carryforwards	_		5.4				
Tax credits	6.3		21.7				
Unrecognized tax benefits	3.0		2.4				
Other	<u> </u>		1.7				
Gross deferred tax assets	 141.2		157.6				
Valuation allowance	(8.4)		(12.0)				
Total deferred tax assets	132.8		145.7				
Deferred tax liabilities attributable to:							
Property, plant and equipment	(4.8)		(4.2)				
Goodwill and other acquired intangibles	(170.6)		(179.2)				
Other	(5.2)		_				
Total deferred tax liabilities	(180.6)		(183.4)				
Net deferred tax liabilities	\$ (47.7)	\$	(37.8)				

# **Net Operating Loss Carryforwards and Credits**

State net operating loss carryforwards totaling \$144.8 million at October 31, 2019 are being carried forward in several state jurisdictions where we are permitted to use net operating losses from prior periods to reduce future taxable income. These losses will expire between 2020 and 2039. Federal net operating loss carryforwards were fully utilized during 2019. Federal and state tax credit carryforwards totaling \$7.6 million are available to reduce future cash taxes and will expire between 2022 and 2039.

The valuation allowance represents the amount of tax benefits related to state net operating loss carryforwards that are not likely to be realized. We believe the remaining deferred tax assets are more likely than not to be realizable based on estimates of future taxable income.

# Changes to the Valuation Allowance

	Years Ended October 31,							
(in millions)		2019		2018		2017		
Valuation allowance at beginning of year	\$	12.0	\$	7.7	\$	5.4		
GCA acquisition		_		2.4		4.1		
Other, net		(3.6)		1.8		(1.8)		
Valuation allowance at end of year	\$	8.4	\$	12.0	\$	7.7		

# **Unrecognized Tax Benefits**

At October 31, 2019, 2018, and 2017, there were \$35.3 million, \$35.8 million, and \$50.5 million, respectively, of unrecognized tax benefits that if recognized in the future would impact our effective tax rate. We estimate that a decrease in unrecognized tax benefits of up to approximately \$4.7 million is reasonably possible over the next twelve months due to lapses of applicable statutes of limitations. At October 31, 2019 and 2018, accrued interest and penalties were \$1.2 million and \$1.0 million, respectively. For interest and penalties, we recognized an expense of \$0.2 million in 2019 and benefits of \$1.0 million and \$0.5 million in 2018 and 2017, respectively.

# Reconciliation of Total Unrecognized Tax Benefits

	Years Ended October 31,				
(in millions)	-	2019	2018		2017
Balance at beginning of year	\$	35.8	\$ 53.4	\$	57.2
Additions for tax positions related to the current year		_	0.2		_
Additions for tax positions related to prior years		3.6	_		16.4
Reductions for tax positions related to prior years		_	(9.0)		(0.1)
Reductions for lapse of statute of limitations		(3.9)	(8.7)		(19.7)
Settlements		(0.3)	(0.1)		(0.3)
Balance at end of year	\$	35.3	\$ 35.8	\$	53.4

#### **Jurisdictions**

We conduct business in all 50 states, significantly in California, Texas, and New York, as well as in various foreign jurisdictions. Our most significant income tax jurisdiction is the United States. Due to expired statutes and closed audits, our federal income tax returns for years prior to fiscal 2016 are no longer subject to examination by the U.S. Internal Revenue Service. Generally, for the majority of state and foreign jurisdictions where we do business, periods prior to fiscal 2015 are no longer subject to examination. We are currently being examined by the IRS and state tax authorities of California, Illinois, Massachusetts, and Wisconsin.

### **Segment Information**

Our current reportable segments consist of B&I, Aviation, T&M, Education, and Technical Solutions, as further described below. Refer to Note 2, "Basis of Presentation and Significant Accounting Policies," for information related to the modification in our presentation of intersegment revenues and the reorganization of our Healthcare business into our other industry groups, primarily B&I, during 2019, as well as information related to our former Government Services business that we sold during 2017.

	REPORTABLE SEGMENTS AND DESCRIPTIONS
B&I	B&I, our largest reportable segment, encompasses janitorial, facilities services, and parking services for commercial real estate properties, sports and entertainment venues, and traditional hospitals and non-acute healthcare facilities. B&I also provides vehicle maintenance and other services to rental car providers.
Aviation	Aviation supports airlines and airports with services ranging from parking and janitorial to passenger assistance, catering logistics, air cabin maintenance, and transportation.
T&M	T&M provides janitorial, facilities services, and parking services to industrial and high-tech manufacturing facilities.
Education	Education delivers janitorial, custodial, landscaping and grounds, facilities engineering, and parking services for public school districts, private schools, colleges, and universities.
Technical Solutions	Technical Solutions specializes in mechanical and electrical services. These services can also be leveraged for cross-selling across all of our industry groups, both domestically and internationally.

The accounting policies for our segments are the same as those disclosed within our significant accounting policies in Note 2, "Basis of Presentation and Significant Accounting Policies." Our management evaluates the performance of each reportable segment based on its respective operating profit results, which include the allocation of certain centrally incurred costs. Corporate expenses not allocated to segments include certain CEO and other finance and human resource departmental expenses, certain information technology costs, share-based compensation, certain legal costs and settlements, restructuring and related costs, certain actuarial adjustments to self-insurance reserves, and direct acquisition costs. Management does not review asset information by segment, therefore we do not present assets in this note.

# Financial Information by Reportable Segment

2019 2018 2017 (in millions) Revenues \$ **Business & Industry** 3,251.4 3,268.4 \$ 2,939.4 Aviation 1,003.0 1,017.3 1,038.7 Technology & Manufacturing 917.0 925.4 698.1 Education 847.4 856.7 368.8 **Technical Solutions** 593.2 500.1 473.4 **Government Services** 86.5 Elimination of inter-segment revenues (127.7)(147.1)(115.7)\$ 6,498.6 \$ 6,442.2 \$ 5,453.6 Operating profit (loss) \$ **Business & Industry** 182.3 157.9 \$ 146.6 23.0 Aviation 21.1 23.2 72.5 Technology & Manufacturing 67.4 48.6 Education 39.0 44.1 17.4 **Technical Solutions** 55.4 21.8 39.4 **Government Services** (0.1)(8.0)21.8 Corporate (159.0)(189.0)(168.8)Adjustment for income from unconsolidated affiliates, included in Aviation and **Government Services** (3.0)(3.2)(4.1)Adjustment for tax deductions for energy efficient government buildings, included in Technical Solutions 0.1 (2.8)(1.9)208.3 138.6 101.9 Income from unconsolidated affiliates 3.0 3.2 4.2 Interest expense (51.1)(54.1)(19.2)\$ 160.2 87.7 \$ 86.9 Income from continuing operations before income taxes Depreciation and amortization(1) **Business & Industry** \$ 21.3 \$ 23.6 \$ 17.4 Aviation 11.9 13.1 13.4 Technology & Manufacturing 14.3 15.6 6.4 Education 37.3 37.5 8.4 **Technical Solutions** 8.6 10.2 12.5 Corporate 13.9 12.4 11.8

Years Ended October 31,

# Geographic Information Based on the Country in Which the Sale Originated(1)

		Years Ended October 31,						
(in millions)	_	2019		2018		2017		
Revenues								
United States	\$	6,025.2	\$	5,997.4	\$	5,126.8		
All other countries		473.3		444.8		326.8		
	\$	6,498.6	\$	6,442.2	\$	5,453.6		

\$

107.4

\$

112.5

\$

70.1

<sup>(1)</sup> Excludes amortization related to income from unconsolidated affiliates.

<sup>(1)</sup> Substantially all of our long-lived assets are related to United States operations.

	Fiscal Quarter							
(in millions, except per share amounts)		First		Second	Third			Fourth
Year ended October 31, 2019								
Revenues	\$	1,607.9	\$	1,594.7	\$	1,647.9	\$	1,648.0
Gross profit		162.0		180.5		193.9		194.7
Income from continuing operations		13.0		29.9		36.5		48.1
(Loss) income from discontinued operations, net of taxes		(0.1)		(0.2)		0.2		(0.1
Net income	\$	13.0	\$	29.7	\$	36.8	\$	47.9
Net income per common share — Basic								
Income from continuing operations	\$	0.20	\$	0.45	\$	0.55	\$	0.72
Income from discontinued operations	Ψ	0.20	Ψ	0.43	Ψ	0.55	Ψ	0.72
Net income	\$	0.20	\$	0.45	\$	0.55	\$	0.72
Net income	Ψ	0.20	Ψ	0.43	Ψ	0.55	<u>Ψ</u>	0.72
Net income per common share — Diluted								
Income from continuing operations	\$	0.20	\$	0.45	\$	0.55	\$	0.7
Income from discontinued operations		_						_
Net income	\$	0.19	\$	0.45	\$	0.55	\$	0.71
Year ended October 31, 2018								
Revenues	\$	1,588.3	\$	1,580.8	\$	1,624.3	\$	1,648.8
Gross profit	•	159.0	•	175.0	•	177.6	•	183.1
Income from continuing operations		28.0		25.4		33.7		8.9
(Loss) income from discontinued operations, net of taxes		(0.1)		1.2		(0.1)		0.8
Net income	\$	27.8	(1) \$	26.6	\$	33.6	\$	9.7
Net income per common share — Basic	0	0.40	•	0.00	•	0.54	•	0.46
Income from continuing operations	\$	0.42	\$	0.38	\$	0.51	\$	0.13
Income from discontinued operations	_		_	0.02	_			0.01
Net income	\$	0.42	\$	0.40	\$	0.51	\$	0.15
Net income per common share — Diluted								
Income from continuing operations	\$	0.42	\$	0.38	\$	0.51	\$	0.13
Income from discontinued operations	•	_		0.02		_		0.0
Net income	\$	0.42	(1) \$	0.40	\$	0.51	\$	0.15

<sup>(1)</sup> Includes a one-time net tax benefit of \$22.6 million, or \$0.34 per diluted share, related to the Tax Act.

<sup>(2)</sup> Includes goodwill and asset impairment charges of \$26.5 million, or \$0.40 per diluted share.

#### ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE.

None.

#### ITEM 9A. CONTROLS AND PROCEDURES.

#### a. Disclosure Controls and Procedures.

As of the end of the period covered by this report, our Principal Executive Officer and Principal Financial Officer evaluated our disclosure controls and procedures, as such term is defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act. Based upon that evaluation, our Principal Executive Officer and Principal Financial Officer concluded that as of the end of the period covered by this report, our disclosure controls and procedures were effective to ensure that information required to be disclosed by us in reports we file or submit under the Exchange Act is (1) recorded, processed, summarized, and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission, and (2) accumulated and communicated to our management, including our Principal Executive Officer and Principal Financial Officer, to allow timely decisions regarding required disclosure.

# b. Management's Report on Internal Control Over Financial Reporting.

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act. Under the supervision and with the participation of our management, including our Principal Executive Officer and Principal Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting based upon the framework in *Internal Control – Integrated Framework (2013)*, issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on that evaluation, our management concluded that our internal control over financial reporting was effective as of October 31, 2019.

# Audit Report on Internal Controls over Financial Reporting of the Registered Public Accounting Firm

KPMG LLP, an independent registered public accounting firm, has audited the consolidated financial statements included in this Annual Report on Form 10-K and, as part of their audit, has issued their report, included herein, on the effectiveness of our internal control over financial reporting.

### c. Changes in Internal Control Over Financial Reporting.

We continue to migrate many of our financial reporting and other processes to the ABM enterprise service center along with integrating GCA. These are enhancements of ongoing activities to support the growth of our financial shared service capabilities and standardize our financial systems. We also continue to update several key platforms, including our human resources information systems, enterprise resource planning system, and labor management system. Both the migration of GCA's back-office functions to the ABM enterprise service center and the implementation of several key platforms involve changes in the systems that include internal controls. Although the transitions have proceeded to date without material adverse effects, the possibility exists that such transitions could adversely affect our internal controls over financial reporting and procedures.

There were no changes in our internal control over financial reporting during the fourth fiscal quarter of 2019 identified in connection with the evaluation required by Rules 13a-15(d) and 15d-15(d) of the Exchange Act that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

# ITEM 9B. OTHER INFORMATION.

Not applicable.

#### **PART III**

# ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE.

Information about our executive officers is found in Part I, Item 1 of this Annual Report on Form 10-K under "Executive Officers of Registrant." Additional information required by this Item will be set forth under the captions "Proposal No. 1—Election of Directors," "Corporate Governance and Board Matters," "Audit-Related Matters," and "Delinquent Section 16(a) Reports" in our Definitive Proxy Statement for our 2020 Annual Meeting of Stockholders (the "2020 Proxy Statement"). Such information is incorporated herein by reference. Our 2020 Proxy Statement will be filed with the Securities and Exchange Commission within 120 days after the conclusion of our fiscal year ended October 31, 2019.

On April 22, 2019, we filed our Annual CEO Certification as required by Section 303A.12 of the NYSE Listed Company Manual.

#### **Code of Business Conduct**

We have adopted and posted on our website (<a href="www.abm.com">www.abm.com</a>) the ABM Code of Business Conduct. Our Code of Business Conduct qualifies as a "code of ethics" within the meaning of Item 406 of Regulation S-K. Our Code of Business Conduct applies to all of our directors, officers, and employees, including our Principal Executive Officer, Principal Financial Officer, and Principal Accounting Officer. If any amendments are made to the Code of Business Conduct or if any waiver, including any implicit waiver, from a provision of the Code of Business Conduct is granted to our Principal Executive Officer, Principal Financial Officer, or Principal Accounting Officer, we will disclose the nature of such amendment or waiver on our website at the address specified above.

#### ITEM 11. EXECUTIVE COMPENSATION.

Information with respect to executive compensation required by this Item will be set forth under the captions "Director Compensation for Fiscal Year 2019," "Executive Compensation," and "Corporate Governance and Board Matters—Compensation Committee Interlocks and Insider Participation" in our 2020 Proxy Statement and is incorporated herein by reference.

# ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS.

Information with respect to security ownership of certain beneficial owners and management and equity compensation plan information and related stockholder matters required by this Item will be set forth under the captions "General Information—Security Ownership of Certain Beneficial Owners," "General Information—Security Ownership of Directors and Executive Officers," and "General Information—Equity Compensation Plan Information" in our 2020 Proxy Statement and is incorporated herein by reference.

### ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE.

Information with respect to certain relationships and related transactions and with respect to director independence required by this Item will be set forth under the captions "General Information—Certain Relationships and Transactions with Related Persons" and "Corporate Governance and Board Matters" in our 2020 Proxy Statement and is incorporated herein by reference.

# ITEM 14. PRINCIPAL ACCOUNTING FEES AND SERVICES.

Information with respect to our Audit Committee's pre-approval policy for audit services and our principal accounting fees and services required by this Item will be set forth under the caption "Audit-Related Matters" in our 2020 Proxy Statement and is incorporated herein by reference.

# **PART IV**

# ITEM 15. EXHIBITS, FINANCIAL STATEMENT SCHEDULES.

(a) The following documents are filed as part of this report:

1. Financial Statements: Index to Consolidated Financial Statements	
Report of Independent Registered Public Accounting Firm	<u>46</u>
Consolidated Balance Sheets at October 31, 2019 and 2018	<u>49</u>
Consolidated Statements of Comprehensive Income for the Years Ended October 31, 2019, 2018, and 2017	<u>50</u>
Consolidated Statements of Stockholders' Equity for the Years Ended October 31, 2019, 2018, and 2017	<u>51</u>
Consolidated Statements of Cash Flows for the Years Ended October 31, 2019, 2018, and 2017	<u>52</u>
2. Financial Statement Schedule	
Valuation and Qualifying Accounts for the Years Ended October 31, 2019, 2018, and 2017	<u>100</u>
3. Exhibits	
Exhibit Index	101

# ABM INDUSTRIES INCORPORATED AND SUBSIDIARIES

# SCHEDULE II—VALUATION AND QUALIFYING ACCOUNTS

<u>(in millions)</u>	Balance Beginning of Year		Charges to Costs and Expenses	Write-offs <sup>(1)</sup> / Allowance Taken	Balance End of Year	
Accounts receivable and sales allowances						
2019	\$	19.2	87.7	(84.6)	\$	22.4
2018		25.5	57.4	(63.6)		19.2
2017		18.1 <sup>(2)</sup>	47.4	(40.0)		25.5

<sup>&</sup>lt;sup>(1)</sup> Write-offs are net of recoveries.

<sup>(2)</sup> Includes amounts that were classified as held for sale.

# **EXHIBIT INDEX**

Exhibit	Exhibit Description	Incorporated by Reference				
No.		Form	File No.	Exhibit	Filing Date	
1.1	<u>Underwriting Agreement, dated March 14, 2018, among ABM Industries Incorporated, Goldman Sachs &amp; Co LLC, and UBS Securities LLC</u>	8-K	001-08929	1.1	March 19, 2018	
2.1	Agreement and Plan of Merger, dated July 11, 2017, among GCA Holding Corp., ABM Industries Incorporated, Grade Sub One, Inc., Grade Sub Two, LLC and Thomas H. Lee Equity Fund VII, L.P. and Broad Street Principal Investments Holdings, L.P., acting jointly as the Securityholder Representative	8-K	001-08929	2.1	July 14, 2017	
3.1	Restated Certificate of Incorporation of ABM Industries Incorporated, dated November 25, 2003	10-K	001-08929	3.1	January 14, 2004	
3.2	Amended and Restated Bylaws of ABM Industries Incorporated, dated December 4, 2018	8-K	001-08929	3.1	December 10, 2018	
10.1	Shareholders' Agreement, dated September 1, 2017, among ABM Industries Incorporated, Thomas H. Lee Equity Fund VII, L.P., Thomas H. Lee Parallel Fund VII, L.P., Thomas H. Lee Parallel (Cayman) Fund VII, L.P., THL Executive Fund VII, L.P., THL Fund VII Coinvestment Partners, L.P., Broad Street Principal Investments Holdings, L.P., Bridge Street 2015, L.P., MBD 2015, L.P., Stone Street 2015, L.P., 2015 Employee Offshore Aggregator, L.P., and Goldman Sachs & Co. LLC	8-K	001-08929	10.1	September 8, 2017	
10.2	Credit Agreement, dated as of September 1, 2017, by and among ABM Industries Incorporated, a Delaware corporation, certain subsidiaries of ABM Industries Incorporated from time to time party thereto, the lenders from time to time party thereto and Bank of America, N.A., as administrative agent	8-K	001-08929	10.2	September 8, 2017	
10.3	Letter Agreement, dated November 6, 2017, between ABM Industries Incorporated and Bank of America, N.A., as Swingline Lender with respect to the Credit Agreement dated as of September 1, 2017, among ABM Industries Incorporated, the Designated Borrowers party thereto, the Lenders party thereto and Bank of America, N.A., as administrative agent	10-K	001-08929	10.3	December 22, 2017	
10.4	First Amendment, dated as of July 3, 2018, to the Credit Agreement dated September 1, 2017, by and among ABM Industries Incorporated, a Delaware corporation, the Designated Borrowers identified on the signature pages thereto, the Guarantors identified on the signature pages thereto, the Lenders identified on the signature pages thereto, and Bank of America, N.A., as administrative agent	10-Q	001-08929	10.1	September 7, 2018	

September 7, 2018
January 14, 2005
September 8, 2006
December 23, 2010
December 21, 2018
September 8, 2008
March 8, 2018
December 12, 2013
June 3, 2015
December 18, 2013
December 18, 2013  June 3, 2015
June 3, 2015
June 3, 2015  December 23, 2010
June 3, 2015  December 23, 2010
June 3, 2015  December 23, 2010

10.22*	Supplemental Executive Retirement Plan, as amended and restated June 3, 2008	10-Q	001-08929	10.4	September 8, 2008
10.23*	Service Award Benefit Plan, as amended and restated June 3, 2008	10-Q	001-08929	10.5	September 8, 2008
10.24*	Executive Severance Pay Policy, as amended and restated March 7, 2011	10-Q	001-08929	10.1	March 10, 2011
10.25*	Amended and Restated Executive Employment Agreement, dated as of September 22, 2017, by and between ABM Industries Incorporated and Scott Salmirs	10-K	001-08929	10.28	December 22, 2017
10.26*	Amended and Restated Change in Control Agreement, dated as of September 22, 2017, by and between ABM Industries Incorporated and Scott Salmirs	10-K	001-08929	10.29	December 22, 2017
10.27*	Executive Employment Agreement, dated as of November 1, 2017, by and between ABM Industries Incorporated and Scott Giacobbe	10-Q	001-08929	10.1	March 7, 2018
10.28*	Change in Control Agreement, dated as of November 1, 2017, by and between ABM Industries Incorporated and Scott Giacobbe	10-Q	001-08929	10.2	March 7, 2018
10.29*	Amended and Restated Executive Employment Agreement, dated as of September 22, 2017, by and between ABM Industries Incorporated and D. Anthony Scaglione	10-K	001-08929	10.33	December 22, 2017
10.30*	Amended and Restated Change in Control Agreement, dated as of September 22, 2017, by and between ABM Industries Incorporated and D. Anthony Scaglione	10-K	001-08929	10.34	December 22, 2017
10.31*	Executive Employment Agreement, dated as of January  1, 2018, by and between ABM Industries Incorporated and Rene Jacobsen	10-Q	001-08929	10.3	March 7, 2018
10.32*	Change in Control Agreement, dated as of January 1, 2018, by and between ABM Industries Incorporated and Rene Jacobsen	10-Q	001-08929	10.4	March 7, 2018
10.33*	Executive Employment Agreement, dated as of March 1, 2018, by and between ABM Industries Incorporated and Andrea Newborn	10-Q	001-08929	10.1	March 7, 2019
10.34*	Change in Control Agreement, dated as of March 1, 2018, by and between ABM Industries Incorporated and Andrea Newborn	10-Q	001-08929	10.2	March 7, 2019
10.35*‡	Executive Employment Agreement, dated as of October 28, 2019, by and between ABM Industries Incorporated and Joshua H. Feinberg				
21.1‡	Subsidiaries of the Registrant				
23.1‡	Consent of Independent Registered Public Accounting Firm				
31.1‡	Certification of Chief Executive Officer pursuant to Securities Exchange Act of 1934 Rule 13a-14(a) or 15d- 14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002				
31.2‡	Certification of Chief Financial Officer pursuant to Securities Exchange Act of 1934 Rule 13a-14(a) or 15d- 14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002				

32.1†	Certifications pursuant to Securities Exchange Act of  1934 Rule 13a-14(b) or 15d-14(b) and 18 U.S.C. Section  1350, as adopted pursuant to Section 302 of the  Sarbanes-Oxley Act of 2002
101.INS ‡	Inline XBRL Instance Document (the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document)
101.SCH ‡	Inline XBRL Taxonomy Extension Schema Document
101.CAL‡	Inline XBRL Taxonomy Calculation Linkbase Document
101.LAB ‡	Inline XBRL Taxonomy Label Linkbase Document
101.PRE ‡	Inline XBRL Presentation Linkbase Document
101.DEF ‡	Inline XBRL Taxonomy Extension Definition Linkbase Document
104†	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

- \* Indicates management contract or compensatory plan, contract, or arrangement
- ‡ Indicates filed herewith
- † Indicates furnished herewith

# **SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

# **ABM Industries Incorporated**

Ву:	/s/ Scott Salmirs		
	Scott Salmirs	The second Director	
	President and Chief Executive Of		
	December 20, 201	9	
Pursuant to the requirements of the sehalf of ABM Industries and in the capacities		nis report has been signed below by the	following persons or
Ву:	/s/ Scott Salmirs		
	Scott Salmirs President and Chief Executive Of (Principal Executive O December 20, 201	fficer)	
	2000 mpor 20, 20 m		
/s/ D. Anthony Scaglione		/s/ Dean A. Chin	
D. Anthony Scaglione		Dean A. Chin	
Executive Vice President and Chief Financial Officer		Senior Vice President, Chief Accorant Corporate Control	
(Principal Financial Officer)		(Principal Accounting Off	
December 20, 2019		December 20, 2019	,
(a) Qually allow (Kananana		/s/l sinhAssa O Dalu	
/s/ Sudhakar Kesavan		/s/ LeighAnne G. Baker Dir	
Sudhakar Kesavan Chairman of the Board and Direc	tor	LeighAnne G. Baker, Dire December 20, 2019	ector
December 20, 2019	Stol	December 20, 2019	
/s/ Linda Chavez		/s/ Donald F. Collerar	1
Linda Chavez, Director		Donald F. Colleran, Dire	ctor
December 20, 2019		December 20, 2019	
/s/ Art A. Garcia		/s/ Thomas M. Gartlar	nd
Art A. Garcia, Director		Thomas M. Gartland, Dire	ector
December 20, 2019		December 20, 2019	
/s/ Jill M. Golder		/s/ Filippo Passerini	
Jill M. Golder, Director		Filippo Passerini, Direc	tor
December 20, 2019		December 20, 2019	
/s/ Winifred M. Webb			
Winifred M. Webb, Director			
December 20, 2019			

### ABM INDUSTRIES INCORPORATED RESTRICTED STOCK UNIT AGREEMENT 2006 EQUITY INCENTIVE PLAN

The Compensation Committee of the Board of Directors of ABM Industries Incorporated has approved a grant to you (the "Grantee") of Restricted Stock Units ("RSUs") pursuant to the ABM Industries Incorporated 2006 Equity Incentive Plan as amended and restated on March 7, 2018 (the "Plan"), as described below.

Number of RSUs Granted:	XXX
Grant Date:	[]
Vesting Schedule:	[]

[]

Provided you continue to provide services to the Company or any subsidiary or parent of the Company through the applicable vesting date, the RSUs will vest and restrictions will lapse as provided above. Unvested RSUs may be subject to forfeiture if you terminate employment before the vesting date, as set forth in the Plan and the Statement of Terms and Conditions attached hereto. [Notwithstanding the preceding sentence and any provisions in the Statement of Terms and Conditions related to vesting upon termination for Retirement, Disability or death:

- (A) In the event of your voluntary retirement from the Company at least one year following the Grant Date, after reaching the age of 60 and having completed 10 years of service, and subject to your continued compliance with any applicable restrictive covenants, your unvested RSUs will remain eligible to vest on the Vesting Schedule above] [if applicable; and
- (B) In the event of your termination due to death or Disability (as defined in your Amended and Restated Executive Employment Agreement), and in the case of Disability, subject to the execution of a release agreement in favor of the Company and your continued compliance with any applicable restrictive covenants, your unvested RSUs will immediately vest.] [insert for applicable Executive Officer Award Agreements]

By accepting this award, the Grantee agrees that the RSUs are granted under and governed by this Restricted Stock Unit Agreement and by the provisions of the Plan and the Statement of Terms and Conditions attached hereto. The Plan and the Statement of Terms and Conditions are incorporated herein by reference. Capitalized terms not defined herein shall have the meanings ascribed to them in the Plan or in the Statement of Terms and Conditions, as applicable.

The Grantee acknowledges receipt of a copy of the Plan, the Statement of Terms and Conditions and the Plan Prospectus, represents that the Grantee has carefully read and is familiar with their provisions, and hereby accepts the RSUs subject to all of their terms and conditions. The Grantee acknowledges that there may be adverse tax consequences upon settlement of the RSUs or disposition of the shares, if any, received in connection therewith and that Grantee should consult a tax adviser prior to such settlement or disposition.

ABM INDUSTRIES INCORPORATED

**Grantee Name:** 

### ABM INDUSTRIES INCORPORATED PERFORMANCE SHARE AGREEMENT 2006 EQUITY INCENTIVE PLAN

The Compensation Committee of the Board of Directors of ABM Industries Incorporated has approved a grant to you (the "Grantee") of Performance Share Units ("PSUs") pursuant to the ABM Industries Incorporated 2006 Equity Incentive Plan, as amended and restated on March 7, 2018 (the "Plan"), as described below.

C 12 1		
Grant Date:	[]	
Performance Period:	[]	
<b>Performance Metrics:</b>	[]	
<b>Vesting Date:</b>	[]	

[]

**Performance Share Settlement**: Provided you continue to be employed by ABM Industries Incorporated (the "**Company**") or any subsidiary or parent of the Company through the applicable Vesting Date stated above, but only if the performance conditions are met as determined by the Administrator, the PSUs will become vested and paid out in accordance with the performance objectives, performance period, and vesting schedule as of the Vesting date. In addition, unvested PSUs, shares received in connection with the vesting of PSUs and amounts realized on the sale of such shares may be subject to forfeiture under the circumstances set forth in the Plan and the Statement of Terms and Conditions.

The Plan and the Statement of Terms and Conditions are incorporated herein by reference. Capitalized terms not defined herein shall have the meanings ascribed to them in the Plan or in the Statement of Terms and Conditions, as applicable. [Notwithstanding any provisions in the Statement of Terms and Conditions related to vesting upon termination for Retirement, Disability or death:

- (A) In the event of your voluntary retirement from the Company at least one year following the Grant Date, after reaching the age of 60 and having completed 10 years of service, and subject to your continued compliance with any applicable restrictive covenants, your unvested PSUs will remain eligible to vest on the Vesting Date above but only if, and to the extent that, the Performance Condition is met as determined by the Administrator; and
- (B) In the event of your termination due to Death or Disability (as defined in your Amended and Restated Executive Employment Agreement), and in the case of Disability, subject to the execution of a release agreement in favor of the Company and your continued compliance with any applicable restrictive covenants, the target number of your PSUs will immediately vest (without regard to the attainment of the Performance Condition).] [insert for applicable Executive Officer Award Agreements]

The Grantee acknowledges receipt of a copy of the Plan, the Statement of Terms and Conditions, the Plan Prospectus and performance objectives relating to this grant, represents that the Grantee has carefully read and is familiar with their provisions, and hereby accepts the PSUs subject to all of their terms and conditions. The Grantee acknowledges that there are tax consequences upon settlement of the PSUs or disposition of the shares, if any, received in connection therewith and that Grantee should consult a tax adviser prior to such settlement or disposition.

By accepting this award, the Company and the Grantee agree that the PSUs are granted under and governed by this Performance Share Agreement and by the provisions of the Plan, the Statement of Terms and Conditions and performance objectives attached hereto.

ABM INDUSTRIES INCORPORATED

**Grantee Name:** 

#### EXECUTIVE EMPLOYMENT AGREEMENT

**THIS EXECUTIVE EMPLOYMENT AGREEMENT** ("Agreement") is effective October 28, 2019 ("Effective Date") between Josh Feinberg ("Executive") and ABM Industries Incorporated, a Delaware corporation ("Company" or "ABM").

In consideration of the terms and commitments contained in this Agreement, the parties agree to and acknowledge the following:

- **1. EMPLOYMENT.** The Company agrees to employ Executive, and Executive hereby accepts such employment, on the terms and conditions set forth in this Agreement.
- 2. **DUTIES, RESPONSIBILITIES AND TITLE.** Executive's title shall be Executive Vice President and Chief Strategy and Transformation Officer of the Company, and such other titles as may be assigned from time to time by the Company. Executive shall have and perform such duties, functions and responsibilities relating to Executive's employment with Company as may be assigned from time to time by the Company, consistent with such position. Executive shall report directly to the Chief Executive Officer of the Company and shall be based in Bethesda, Maryland.
- **3. COMPENSATION.** During Executive's employment hereunder, Company agrees to compensate Executive, and Executive agrees to accept as compensation in full, as follows:
  - 3.1 BASE SALARY. The Company shall pay to Executive an annual base salary (the "Base Salary") in an amount to be determined by the Board of Directors or its applicable committee (as applicable, the "Committee") in its sole discretion. The Base Salary shall be subject to applicable state and federal withholdings and shall be paid according to the Company's standard payroll practices.
  - 3.2 BONUS. Executive will be eligible for annual incentive awards pursuant to the terms of the Cash Incentive Program or any applicable successor program ("Cash Bonus"). The target amount for Executive's Cash Bonus shall be one hundred percent (100%) of Base Salary ("Target Cash Bonus"). Executive's actual Cash Bonus may range from 0% to an amount greater than Target Cash Bonus. The Cash Bonus, if any, earned for a fiscal year will be paid no later than the March 15 following the completion of the performance year.
  - 3.3 EQUITY. Executive will be eligible to receive annual awards under the 2006 Equity Incentive Plan, as amended and restated, or any applicable successor plan ("Equity Plan"), subject to the terms and conditions of the applicable plan and as determined by the Committee in its discretion.
  - 3.4 REIMBURSEMENTS. The Company shall reimburse Executive for all reasonable and necessary out-of-pocket expenses incurred by Executive in connection with the performance of Executive's duties hereunder, in accordance with the Company's expense reimbursement policies and procedures.

- 3.5 BENEFITS. Executive will be eligible to participate in the Company's health, welfare and retirement benefit plans generally available for executive officers from time to time.
- 4. COMPLIANCE WITH LAWS AND POLICIES; EMPLOYEE PROTECTIONS. Executive shall dedicate Executive's full business time and attention to the performance of duties hereunder, perform Executive's duties in good faith and to a professional standard, and fully comply with all laws and regulations pertaining to the performance of Executive's responsibilities, all ethical rules, ABM's Code of Business Conduct and Ethics, ABM's Recoupment Policy as well as any and all of policies, procedures and instructions of ABM, in each case as in effect from time to time; provided, it shall not be a violation of the foregoing for Executive to manage Executive's personal, financial and legal affairs to the extent that they do not interfere with Executive's ability to perform Executive's duties to the Company. Prior to joining or agreeing to serve on corporate, civil or charitable boards or committees, Executive shall obtain approval of the Chief Executive Officer or otherwise as required by ABM's Corporate Governance Guidelines as in effect from time to time.

Nothing in this Agreement or otherwise limits Executive's ability to communicate directly with and provide information, including documents, not otherwise protected from disclosure by any applicable law or privilege to the Securities and Exchange Commission (the "SEC") or any other federal, state or local governmental agency or commission ("Government Agency") regarding possible legal violations, without disclosure to the Company. The Company may not retaliate against Executive for any of these activities, and nothing in this Agreement or otherwise requires Executive to waive any monetary award or other payment that Executive might become entitled to from the SEC or any other Government Agency.

Pursuant to Section 7 of the Defend Trade Secrets Act of 2016 (which added 18 U.S.C. § 1833(b)), the Company and Executive acknowledge and agree that Executive shall not have criminal or civil liability under any federal or State trade secret law for the disclosure of a trade secret that (A) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (B) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal. In addition and without limiting the preceding sentence, if Executive files a lawsuit for retaliation by the Company for reporting a suspected violation of law, Executive may disclose the trade secret to Executive's attorney and may use the trade secret information in the court proceeding, if Executive (X) files any document containing the trade secret under seal and (Y) does not disclose the trade secret, except pursuant to court order. Nothing in this Agreement or otherwise is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by such Section.

**5. RESTRICTIVE COVENANTS.** In consideration of the compensation, contract term, potential Severance Benefits, continued employment provided by Company, as well as the access Company will provide Executive to its Confidential Information, as defined below, and current and prospective customers, all as necessary for the performance of Executive's duties hereunder, Executive hereby agrees to the following during Executive's employment

and thereafter as provided, except that if Executive's employment is terminated under circumstances qualifying Executive for payments under the Change-in-Control Agreement (as defined below), the applicable restrictive covenants set forth in such Change-in-Control Agreement shall supersede Sections 5.3, 5.4, 5.5 and 5.6 below:

- 5.1 CONFIDENTIAL INFORMATION DEFINED. Confidential Information includes but is not limited to: (i) Company and its subsidiary companies' trade secrets, know- how, ideas, applications, systems, processes and other confidential information which is not generally known to and/or readily ascertainable through proper means by the general public; (ii) plans for business development, marketing, business plans and strategies, budgets and financial statements of any kind, costs and suppliers, including methods, policies, procedures, practices, devices and other means used by the Company and its subsidiaries in the operation of its business, pricing plans and strategies, as well as information about the Company and affiliated entity pricing structures and fees, unpublished financial information, contract provisions, training materials, profit margins and bid information; (iii) information regarding the skills, abilities, performance and compensation of other employees of the Company or its subsidiaries, or of the employees of any company that contracts to provide services to the Company or its subsidiaries; (iv) information of third parties to which Executive had access by virtue of Executive's employment, including, but not limited to information on customers, prospective customers, and/or vendors, including current or prospective customers' names, contact information, organizational structure(s), and their representatives responsible for considering the entry or entering into agreements for those services, and/or products provided by the Company and its subsidiaries; customer leads or referrals; customer preferences, needs, and requirements (including customer likes and dislikes, as well as supply and staffing requirements) and the manner in which they have been met by the Company or its subsidiaries; customer billing procedures, credit limits and payment practices,; and customer information with respect to contract and relationship terms and conditions, pricing, costs, profits, sales, markets, plans for future business and other development; purchasing techniques; supplier lists; (v) information contained in the Company's LCMS database, JDE, LMS or similar systems; (vi) any and all information related to past, current or future acquisitions between the Company or Company-affiliated entities including information used or relied upon for said acquisition ("Confidential Information"). Notwithstanding the generality of the foregoing, Confidential Information shall not include: (x) information known to Executive prior to Executive's discussions with the Company regarding Executive's employment with the Company; (y) contact information contained on Executive's rolodex (other than for officers, directors, employees, and/or independent contractors of the Company and Company- affiliated entities); or (z) information that is or becomes generally known in the industry or part of the public domain.
- 5.2 NON-DISCLOSURE. The Company and Executive acknowledge and agree that the Company has invested significant effort, time and expense to develop its Confidential Information. Except in the proper performance of this Agreement, Executive agrees

to hold all Confidential Information in the strictest confidence, and to refrain from making any unauthorized use or disclosure of such information both during Executive's employment and at all times thereafter. Except in the proper performance of this Agreement, Executive shall not directly or indirectly disclose, reveal, transfer or deliver to any other person or business, any Confidential Information which was obtained directly or indirectly by Executive from, or for, the Company or its subsidiaries or by virtue of Executive's employment. This Confidential Information has unique value to the Company and its subsidiaries, is not generally known or readily available by proper means to their competitors or the general public, and could only be developed by others after investing significant effort, time, and expense. Executive understands that Company or its subsidiaries would not make such Confidential Information available to Executive unless the Company was assured that all such Confidential Information will be held in trust and confidence in accordance with this Agreement and applicable law. Executive hereby acknowledges and agrees to use this Confidential Information solely for the benefit of the Company and its affiliated entities. In addition, Executive agrees that at all times after the voluntary or involuntary termination of Executive's employment, Executive shall not attempt to seek, seek, attempt to solicit, solicit, or accept work from of any customer or active customer prospect of Company or any other Company-affiliated entity through the direct or indirect use of any Confidential Information or by any other unfair or unlawful business practice.

5.3 NON-SOLICITATION OF EMPLOYEES. Executive acknowledges and agrees that the Company has developed its work force as the result of its investment of substantial time, effort, and expense. During the course and solely as a result of Executive's employment with the Company, Executive will come into contact with officers, directors, employees, and/or independent contractors of the Company and Company-affiliated entities, develop relationships with and acquire information regarding their knowledge, skills, abilities, salaries, commissions, benefits, and/or other matters that are not generally known to the public. Executive further acknowledges and agrees that hiring, recruiting, soliciting, or inducing the termination of such individuals will cause increased expenses and a loss of business. Accordingly, Executive agrees that while employed by the Company and for a period of twelve (12) months following the termination of Executive's employment (whether termination is voluntary), Executive will not directly or indirectly solicit, hire, recruit or otherwise encourage, assist in or arrange for any officer, director, employee, and/or independent contractor to terminate his/her business relationship with the Company or any other Company-affiliated entity except in the proper performance of this Agreement. This prohibition against solicitation shall include but not be limited to: (i) identifying to other companies or their agents, recruiting or staffing firms, or other third parties the Company officers, directors, employees, or independent contractors who have specialized knowledge concerning the Company's business, operations, processes, methods, or other confidential affairs or who have contacts, experience, or relationships with particular customers; (ii) disclosing or commenting to other companies or their agents, recruiting or staffing firms, or other third parties regarding the quality or

quantity of work, specialized knowledge, or personal characteristics of any person still engaged by Company or any other Company-affiliated entity; and (iii) providing such information to prospective companies or their agents, recruiting or staffing firms, or other third parties preceding possible engagement; provided, nothing in this Section 5.3 shall prevent Executive from serving as a reference in response to a bona fide inquiry regarding an employee or former employee of the Company.

- 5.4 NON-SOLICITATION OF CUSTOMERS. Executive acknowledges and agrees that the Company and its subsidiaries have identified, solicited, and developed their customers and developed customer relationships as the result of their investment of significant time, effort, and expense and that the Company has a legitimate business interest in protecting these relationships. Executive further acknowledges that Executive would not have been privy to these relationships were it not for Executive's employment by the Company. Executive further acknowledges and agrees that the loss of such customers and clients would damage the Company and potentially cause the Company great and irreparable harm. Consequently, Executive covenants and agrees that during and for twelve (12) months following the termination of Executive's employment with the Company (whether such termination is voluntary or involuntary), Executive shall not, directly or indirectly, for the benefit of any person or entity other than the Company, attempt to seek, seek, attempt to solicit, solicit, or accept work from any customer, client or active customer prospect: (i) with whom Executive developed a relationship while employed by Company or otherwise obtained Confidential Information about for the purpose of diverting business from Company or an affiliated entity; and (ii) that is located in a state or foreign country in which: (a) the Executive performed work, services, or engaged in business activity on behalf of the Company within the twelve (12) month period preceding the effective date of Executive's termination of employment; and/or (b) where the Company has business operations and Executive was provided Confidential Information regarding the Company's business activities in those territories within the twelve (12) month period preceding the effective date of Executive's termination of employment.
- 5.5 POST EMPLOYMENT COMPETITION. Executive agrees that, while employed by the Company and for a period of twelve (12) months following Executive's termination of employment (whether such termination is voluntary or involuntary), Executive shall not work, perform services for, or engage in any business, enterprise, or operation that engages in a Competing Business (as defined below) in a Restricted Territory (as defined below). For purposes of this Agreement, "Competing Business" means the provision of any goods, products, or services that are the same or substantially similar to those provided by the Company, or any Company-affiliated entity of which Executive had Confidential Information, in the twelve (12) month period preceding the effective date of Executive's termination of employment. Executive acknowledges that the Company and its subsidiaries are engaged in business in various states throughout the U.S. and various international locations. Accordingly, and in view of the nature of Executive's nationwide position and responsibilities, "Restricted Territory" as used herein means each state and each foreign country: (i) in which Executive performed work, services, or engaged in business activity on behalf of the

Company within the twelve (12) month period preceding the effective date of Executive's termination of employment; and/or (ii) where the Company has business operations and Executive was provided Confidential Information regarding the Company's business activities in those territories within the twelve (12) month period preceding the effective date of Executive's termination of employment. The restrictions in Section 5.5 shall only apply if, within the twelve (12) month period prior to the effective date of Executive's termination, Executive was employed by the Company to perform sales, marketing, and/or operational activities, or was directly involved in corporate development and strategy (i.e., mergers, acquisitions, divestitures and/or other corporate strategic initiatives) for the Company or its subsidiaries/affiliates.

- NON-DISPARAGEMENT. Following the termination of Executive's employment for any reason, Executive agrees not to make any statement or take any action which disparages, defames, or places in a negative light the Company, Company-affiliated entities, or its or their reputation, goodwill, commercial interests or past and present officers, directors, employees, consultants, and/or agents, and the Company shall instruct its directors and executive officers to not make any statement or take any action which disparages, defames, or places in a negative light Executive.
- 5.7 CREATIONS. The terms and conditions set forth in Appendix A attached hereto are hereby incorporated by reference as though fully set forth herein.
- CONFIDENTIAL INFORMATION OF OTHERS; NO CONFLICTS. Executive will not use, disclose to the Company or induce the Company to use any legally protected confidential, proprietary or trade secret information or material belonging to others which comes into Executive's knowledge or possession at any time, nor will Executive use any such legally protected information or material in the course of Executive's employment with the Company. Executive has no other agreements or relationships with or commitments to any other person or entity that conflicts with Executive's obligations to the Company as an employee of the Company or under this Agreement, and Executive represents that Executive's employment will not require Executive to violate any legal obligations to any third-party. In the event Executive believes that Executive's work at the Company would make it difficult for Executive not to disclose to the Company any legally protected confidential, proprietary or trade secret information or materials belonging to others, Executive will immediately inform the Company's Chief Human Resources Officer. Executive has not entered into, and Executive agrees Executive will not enter into, any oral or written agreement in conflict with this Agreement.
- 5.9 COOPERATION WITH LEGAL MATTERS. During Executive's employment with Company and thereafter, Executive shall reasonably cooperate with Company and any Company-affiliated entity in its or their investigation, defense or prosecution of any potential, current or future legal matter in any forum, including but not limited to lawsuits, administrative charges, audits, arbitrations, and internal and external investigations. Executive's cooperation shall include, but is not limited to, reviewing and preparing documents and reports, meeting with attorneys representing any

Company-affiliated entity, providing truthful testimony, and communicating Executive's knowledge of relevant facts to any attorneys, experts, consultants, investigators, employees or other representatives working on behalf of an Company-affiliated entity. Except as required by law, Executive agrees to treat all information regarding any such actual or potential investigation or claim as confidential. Executive also agrees not to discuss or assist in any litigation, potential litigation, claims, or potential claim with any individual (or their attorney or investigator) who is pursuing, or considering pursuing, any claims against the Company or a Company-affiliated entity unless required by law. In performing the tasks outlined in this Section 5.9, Executive shall be bound by the covenants of good faith and veracity set forth in ABM's Code of Business Conduct and Ethics and by all legal obligations. Nothing herein is intended to prevent Executive from complying in good faith with any subpoena or other affirmative legal obligation. Executive agrees to notify the Company immediately in the event there is a request for information or inquiry pertaining to the Company, any Company-affiliated entity, or Executive's knowledge of or employment with the Company. In performing responsibilities under this Section following termination of employment for any reason, Executive shall be compensated for Executive's time at an hourly rate of \$250 per hour. However, during any period in which Executive is an employee of the Company, Executive shall not be so compensated.

- 8.10 REMEDIES AND DAMAGES. The parties agree that compliance with Sections 5.1 5.7 of the Agreement and Appendix A is necessary to protect the business, reputation and goodwill of the Company and, in the case of Section 5.5 of the Agreement, the reputation and goodwill of Executive, that the restrictions contained herein are reasonable, and that any breach of Section 5 may result in irreparable and continuing harm to the Company or to Executive, for which monetary damages will not provide adequate relief. Accordingly, in the event of any actual or threatened breach of any covenant or promise made by either party in Section 5, Company and Executive agree that both parties shall be entitled to all appropriate remedies, including temporary restraining orders and injunctions enjoining or restraining such actual or threatened breach. Each of the Company and Executive hereby consents to the issuance thereof forthwith by any court of competent jurisdiction.
- 5.11 LIMITATIONS. Nothing in this Agreement shall be binding upon the parties to the extent it is void or unenforceable for any reason in the State of New York, including, without limitation, as a result of any law regulating competition or proscribing unlawful business practices; provided, however, that to the extent that any provision in this Agreement could be modified to render it enforceable under applicable law, it shall be deemed so modified and enforced to the fullest extent allowed by law.
- **6. AT-WILL EMPLOYMENT.** The employment of Executive shall be "at-will" at all times. The Company or Executive may terminate Executive's employment with the Company at any time, without any advance notice, for any reason or no reason at all, notwithstanding anything to the contrary contained in or arising from any statements, policies or practices of the Company relating to the employment, discipline or termination of its employees. Following the

termination of Executive's employment for any reason, the Company shall pay to Executive all compensation to which Executive is entitled up through the date of termination, including accrued but unpaid Base Salary, any accrued and unused paid time off and any incurred but unpaid reimbursements (together "Accrued Obligations"). Thereafter, all obligations of the Company under this Agreement shall cease other than those set forth in Section 7.

### 7. TERMINATION OF EMPLOYMENT.

- 7.1 TERMINATION BY COMPANY FOR CAUSE. Where the Company terminates Executive's employment for Cause, all obligations of the Company under this Agreement shall cease; provided the Company shall pay Executive the Accrued Obligations within thirty (30) days of the termination of Executive's employment. For purposes of this Agreement, "Cause" shall mean the occurrence of one of the following: (i) Executive's willful misconduct, dishonesty, or insubordination; (ii) Executive's conviction (or entry of a plea bargain admitting criminal guilt) of any felony or a misdemeanor involving moral turpitude; (iii) drug or alcohol abuse that has a material effect on the performance of Executive's duties and responsibilities under this Agreement; (iv) Executive's willful and repeated failure to substantially perform Executive's duties and responsibilities under this Agreement for reasons other than death or Disability, as defined below; (v) Executive's willful and repeated inattention to duty for reasons other than death or Disability; (vi) Executive's material and willful violation of the Company's Code of Business Conduct; and (vii) any other material and willful breach of this Agreement by Executive. No Cause shall exist until the Company has given Executive written notice describing the circumstances giving rise to Cause in reasonable detail and, to the extent such circumstances are susceptible to remedy, Executive has failed to remedy such circumstances within fifteen (15) days of receiving such notice.
- TERMINATION BY THE COMPANY WITHOUT CAUSE OR TERMINATION BY THE EXECUTIVE FOR GOOD REASON. Where the Company terminates Executive's employment without Cause, or Executive terminates Executive's employment for Good Reason (as defined below), Executive shall be entitled to: (i) a payment equal in the aggregate to 2 times the sum of (A) Executive's Base Salary and (B) Executive's Target Cash Bonus, which payment shall be paid in equal installments (no less frequently than monthly) over the 24-month period following Executive's separation from service, provided that any amounts otherwise payable prior to the effective date of the release referenced below shall be paid in a lump sum within 7 days following the effective date of such release; (ii) eighteen (18) months' medical benefits coverage, which may be provided through COBRA reimbursement; (iii) Executive's prorated Cash Bonus for the year of termination based on the Committee's determination of actual performance following the end of the performance period; and (iv) any earned but unpaid Cash Bonus in respect of any completed fiscal year that has ended prior to the date of such termination (the amounts set forth in clauses (i) through (iv) collectively, the "Severance Benefits"); provided that Executive's eligibility to receive the Severance Benefits is conditioned on: (A) Executive having first signed a release agreement in the form provided by the Company and reasonably

acceptable to Executive, but containing no further post- employment restrictions or covenants other than those to which Executive is already subject hereunder, and the release becoming irrevocable by its terms within sixty (60) calendar days following the date of Executive's termination of employment; and (B) Executive's continued compliance with all continuing obligations under this Agreement, including but not limited to those set forth in Section 5. Executive shall not have any other rights or claims under this Agreement. For purposes of this Agreement, "Good Reason" shall mean the occurrence of one or more of the following events without Executive's prior written consent: (w) a material reduction in the Executive's Base Salary, (x) a material reduction in the Target Cash Bonus, the Executive is no longer reporting directly to the Chief Executive Officer or the Company requires the Executive to change his principal location of work to a location more than 50 miles outside of Bethesda, Maryland. No Good Reason shall exist unless Executive has provided notice of such circumstances giving rise to Good Reason in reasonable detail to the Company within 30 days following the occurrence of such circumstances and, to the extent such circumstances are susceptible to remedy, the Company has failed to remedy such circumstances within thirty (30) days of receiving such notice, and Executive shall have resigned within 30 days following expiration of such cure period. For the avoidance of doubt, in the event Executive becomes entitled to receive Severance Benefits, any such Severance Benefits that remain unpaid upon Executive's death shall be paid to Executive's estate.

- 7.3 VOLUNTARY TERMINATION BY EXECUTIVE. Executive may give written notice of Executive's resignation of employment at any time during this Agreement pursuant to Section 6, and thereafter, all obligations of the Company under this Agreement shall cease; provided the Company shall pay Executive the Accrued Obligations within thirty (30) days of the termination of Executive's employment or earlier as required by law. Executive is requested to provide sixty (60) days' written notice of Executive's resignation or as much time as reasonable under the circumstances. Company reserves the right to relieve Executive of Executive's duties at the Company's discretion following notice of Executive's intent to resign.
- 7.4 RETIREMENT. With respect to equity-based awards granted following the Effective Date, in the event that Executive retires voluntarily from ABM following reaching age 60 with a minimum of 10 years of service, Executive's then- outstanding equity-based awards under the Equity Plan (including any awards issued by an acquirer or successor to ABM in exchange or substitution for such awards) that were granted at least one year prior to such retirement will not be forfeited but will continue to be eligible for vesting, exercise and settlement, as applicable, on the originally scheduled vesting dates (and, for the avoidance of doubt with respect to performance-based awards, to the extent the applicable performance criteria originally set forth in such awards are met), subject to Executive's continued compliance with the covenants set forth in Section 5 hereof.
- 7.5 DEATH OR DISABILITY. Executive's employment hereunder shall automatically terminate upon the death of Executive and may be terminated at the Company's

discretion as a result of Executive's Disability. "Disability" means Executive's substantial inability to perform Executive's essential duties and responsibilities under this Agreement for either 90 consecutive days or a total of 120 days out of 365 consecutive days as a result of a physical or mental illness, injury or impairment, all as determined in good faith by the Company. If Executive's employment is terminated by the Company due to Executive's death or Disability, then (i) Executive, or, upon death, to Executive's designated beneficiary or estate, as applicable, shall be eligible to receive (A) any earned but unpaid Cash Bonus in respect of any completed fiscal year that has ended prior to the date of such termination and (B) a prorated Target Cash Bonus based on the length of performance in the applicable performance period prior to death or Disability and (ii) Executive's thenoutstanding equity-based awards under the Equity Plan (including any awards issued by an acquirer or successor to ABM in exchange or substitution for such awards) (x) that are subject to time-based vesting will not be forfeited but will become immediately fully vested and (y) that are subject to performance-based vesting for then-ongoing performance periods shall immediately become fully vested with respect to the number of shares that would have become earned and vested if the target level of performance was met. In the case of Disability, Executive's eligibility to receive the foregoing is conditioned on: (i) Executive having first signed a release agreement in the form provided by the Company and reasonably acceptable to Executive, but containing no further postemployment restrictions or covenants other than those to which Executive is already subject hereunder, and the release becoming irrevocable by its terms within sixty (60) calendar days following the date of Executive's termination of employment; and (ii) Executive's continued compliance with all continuing obligations under this Agreement, including but not limited to those set forth in Section 5. Thereafter, Executive and Executive's designated beneficiary or estate, as applicable, shall not have any other rights or claims under this Agreement.

7.6 TIMING OF PAYMENTS. For the avoidance of doubt and without limiting the generality of Section 10.7, the parties intend that, except as expressly provided otherwise, any payments that become payable to Executive pursuant to Section 7.2 are intended to be exempt from, or compliant with, Section 409A of the Internal Revenue Code ("Section 409A"), and except as expressly provided otherwise shall be paid within the short-term deferral period within the meaning of Treasury Regulation section 1.409A-1(b)(4) to the extent required to be paid no later than March 15th of the calendar year following the calendar year in which Executive incurs a separation from service or shall be deemed to be paid under a "separation pay plan" within the meaning of Section 409A to the extent applicable. Any Cash Bonus or prorated Cash Bonus that becomes payable to Executive pursuant to Section 7.2(iii) shall be paid to Executive following the end of the applicable performance period when such payments are made to other participants and in accordance with the terms of the applicable plan or program, provided that in no event shall any such payment be made to Executive later than March 15th of the calendar year following the end of the performance year.

- 7.7 PAYMENTS AND BENEFITS WITH RESPECT TO A CHANGE IN CONTROL. Notwithstanding anything to the contrary in this Agreement or otherwise, if Executive's employment is terminated under circumstances qualifying Executive for payments under the Change-in-Control Agreement between Executive and ABM (or any successor or amendment to such agreement, as applicable, the "Change-in-Control Agreement"), Executive shall not be entitled to the Severance Benefits under this Agreement and, alternatively, Executive's entitlement to payments and benefits, if any, shall be governed by the terms of such Change-in-Control Agreement.
- 7.8 EXCESS PARACHUTE PAYMENTS. Notwithstanding any provision of this Agreement or any other agreement or plan to the contrary (including without limitation any lesser protection of Executive under any equity-based award agreement), if any amount or benefit to be paid or provided under this Agreement or any other agreement or plan would be an "excess parachute payment" under Section 280G of the Code (an "Excess Parachute Payment") (including after taking into account the value, to the maximum extent permitted by Section 280G of the Code, of the covenants herein), but for the application of this sentence, then the payments and benefits to be paid or provided under this Agreement and any other agreements and plans will be reduced to the minimum extent necessary (but in no event to less than zero) so that no portion of any such payment or benefit, as so reduced, constitutes an Excess Parachute Payment; provided, however, that the foregoing reduction will not be made if such reduction would result in Executive receiving an amount determined on an after-tax basis, taking into account the excise tax imposed pursuant to Section 4999 of the Code, or any successor provision thereto, any tax imposed by any comparable provision of state law and any applicable federal, state and local income and employment taxes (the "After-Tax Amount") that is less than 90% of the After-Tax Amount of the payments and benefits that he would have received without regard to this clause. Whether requested by the Executive or the Company, the determination of whether any reduction in such payments or benefits to be provided under this Agreement or otherwise is required pursuant to the preceding sentence, and the value to be assigned to the Executive's covenants herein for purposes of determining the amount, if any, of the Excess Parachute Payment will be made at the expense of the Company by the Company's independent accountants or benefits consultant. The fact that the Executive's right to payments or benefits may be reduced by reason of the limitations contained in this Section will not of itself limit or otherwise affect any other rights of the Executive pursuant to this Agreement or any other agreement or plan. In the event that any payment or benefit intended to be provided is required to be reduced pursuant to this Section, then the Company shall in good faith determine the appropriate treatment of payments or benefits, consistent with the requirements of Section 409A that produces the most advantageous economic outcome for the Executive, and its determination shall be final and binding on the Executive. The Company will provide the Executive with all information reasonably required or requested by the Executive to demonstrate to the Executive that it has complied with the immediately preceding sentence.

- ACTIONS UPON TERMINATION. Upon termination of Executive's employment for any reason, Executive shall be deemed to have immediately resigned as an officer and/or director of the Company and of any Company subsidiaries or affiliates, including any LLCs or joint ventures, as applicable. Further, if during employment Executive held any membership or position as a representative of the Company for any outside organization (such as BOMA, IREM, IFMA or BSCIA), or as a trustee for a union trust fund (such as a Taft-Hartley or similar fund), upon termination of Executive's employment for any reason, Executive shall be deemed to have resigned from such membership or position, or trustee position, and shall cooperate fully with the Company in any process whereby the Company designates a new representative to replace the position vacated by Executive. Executive also agrees that all property (including without limitation all equipment, tangible proprietary information, documents, records, notes, contracts and computer- generated materials) furnished to or created or prepared by Executive incident to Executive's employment with the Company belongs to the Company and shall be promptly returned to the Company upon termination of Executive's employment.
- 7.10 WITHHOLDING AUTHORIZATION. To the fullest extent permitted under the laws of the State of Employment hereunder, Executive authorizes Company to withhold from any Severance Benefits otherwise due to Executive and from any other funds held for Executive's benefit by Company, any undisputed damages or losses sustained by Company as a result of any material breach or other material violation of this Agreement by Executive, pending resolution of any underlying dispute.

### 8. NOTICES.

8.1 ADDRESSES. Any notice required or permitted to be given pursuant to this Agreement shall be in writing and delivered in person, or sent prepaid by certified mail, overnight express, or electronically to the party named at the address set forth below or at such other address as either party may hereafter designate in writing to the other party:

Executive: Address on File

Company: ABM Industries Incorporated

One Liberty Plaza, New York, NY 10006

Copy: ABM Industries Incorporated

One Liberty Plaza, New York, NY 10006 Attention: Chief Human Resources Officer

- 8.2 RECEIPT. Any such notice shall be assumed to have been received when delivered in person or 48 hours after being sent in the manner specified above.
- 9. **INDEMNIFICATION.** The Company shall indemnify, defend, and hold Executive harmless to the fullest extent provided under the Company's Articles of Incorporation, Bylaws, or any other operating document. In addition, the Executive shall be included under the Company's

Directors and Officers Liability Insurance Policy. For the avoidance of doubt, this Section 9 shall survive the termination of this Agreement.

### 10. GENERAL PROVISIONS.

- 10.1 GOVERNING LAW. This Agreement shall be interpreted and enforced in accordance with the laws of the State of Employment, which, for purposes of this Agreement, shall mean the state of New York.
- 10.2 NO WAIVER. Failure by either party to enforce any term or condition of this Agreement at any time shall not preclude that party from enforcing that provision, or any other provision of this Agreement, at any later time.
- 10.3 SEVERABILITY. It is the desire and intent of the parties that the provisions of this Agreement be enforced to the fullest extent permissible under the law and public policies applied in each jurisdiction in which enforcement is sought. Accordingly, in the event that any provision of this Agreement would be held in any jurisdiction to be invalid, prohibited or unenforceable for any reason, such provision, as to such jurisdiction, shall be ineffective, without invalidating the remaining provisions of this Agreement or affecting the validity or enforceability of such provision in any other jurisdiction. Notwithstanding the foregoing, if such provision could be more narrowly drawn so as not to be invalid, prohibited or unenforceable in such jurisdiction, it shall, as to such jurisdiction, be either automatically deemed so narrowly drawn, or any court of competent jurisdiction is hereby expressly authorized to redraw it in that manner, without invalidating the remaining provisions of this Agreement or affecting the validity or enforceability of such provision in any other jurisdiction.
- 10.4 SURVIVAL. All terms and conditions of this Agreement which by reasonable implication are meant to survive the termination of this Agreement, including but not limited to the provisions of Sections 5.1 5.9 of this Agreement, shall remain in full force and effect after the termination of this Agreement.
- 10.5 SUCCESSORS. This Agreement is binding upon and shall inure to the benefit of the parties' respective successors, assigns, administrators and legal representatives and Executive's heirs and executors.
- 10.6 REPRESENTATIONS BY EXECUTIVE. Executive represents and agrees that Executive has carefully read and fully understands all of the provisions of this Agreement, that Executive is voluntarily entering into this Agreement and has been given an opportunity to review all aspects of this Agreement with an attorney, if Executive chooses to do so. Executive understands and agrees that Executive's employment with the Company is at-will and that nothing in this Agreement is intended to create a contract of employment for any fixed or definite term. Executive understands Executive is also now eligible for Severance Benefits to which Executive was not previously entitled and acknowledges the value of such benefits. Executive also represents that Executive will not make any unauthorized use of any confidential or proprietary information of any third party in the performance of Executive's duties under this Agreement and that Executive is under no obligation to any prior employer

or other entity that would preclude or interfere with the full and good faith performance of Executive's obligations hereunder.

- SECTION 409A. Without limiting the generality of Section 7.6, the parties intend for the payments and benefits 10.7 under this Agreement to be exempt from Section 409A or, if not so exempt, to be paid or provided in a manner which complies with the requirements of such section, and intend that this Agreement shall be construed and administered in accordance with such intention. If any payments or benefits due to Executive hereunder would cause the application of an accelerated or additional tax under Section 409A, such payments or benefits shall be restructured in a mutually agreed upon manner that to the extent possible preserves the economic benefit and original intent thereof but does not cause such an accelerated or additional tax. For purposes of the limitations on nonqualified deferred compensation under Section 409A, each payment of compensation under this Agreement shall be treated as a separate payment of compensation. Without limiting the foregoing and notwithstanding anything contained herein to the contrary, to the extent required in order to avoid accelerated taxation and/or tax penalties under Section 409A amounts that would otherwise be payable and benefits that would otherwise be provided pursuant to this Agreement during the six (6) month period immediately following Executive's separation from service shall instead be paid on the first business day after the date that is six (6) months following Executive's termination date (or death, if earlier). In the event that any payment under this Agreement may be made in two calendar years, depending on the timing of execution of a release, such payment shall be made in the later calendar year, to the extent required by Section 409A. Notwithstanding anything to the contrary in this Agreement, all (A) reimbursements and (B) in-kind benefits provided under this Agreement shall be made or provided in accordance with the requirements of Section 409A, including, where applicable, the requirement that (x) the amount of expenses eligible for reimbursement, or in kind benefits provided, during a calendar year may not affect the expenses eligible for reimbursement, or in kind benefits to be provided, in any other calendar year; (y) the reimbursement of an eligible expense will be made no later than the last day of the calendar year following the year in which the expense is incurred; and (z) the right to reimbursement or in kind benefits is not subject to liquidation or exchange for another benefit.
- 10.8 COUNTERPARTS. This Agreement may be executed in several counterparts, each of which shall be deemed as an original, but all of which together shall constitute one and the same instrument binding on all of the parties hereto, notwithstanding that all of the parties are not signatory to the same counterpart. This Agreement may be executed either by original, facsimile, or electronic copy, each of which will be equally binding.
- 10.9 ENTIRE AGREEMENT. Unless otherwise specified herein, this Agreement, together with Appendix A, sets forth every contract, understanding and arrangement as to the employment relationship between Executive and the Company (other than the Change in Control Agreement and any equity award agreement under the Equity Plan; provided

that in the event that this Agreement conflicts with the terms of any equity award agreement, this Agreement shall govern unless otherwise expressly stated in such equity award agreement).

- 10.9.a NO EXTERNAL EVIDENCE. The parties intend that this Agreement speak for itself, and that no evidence with respect to its terms and conditions other than this Agreement itself may be introduced in any arbitration or judicial proceeding to interpret or enforce this Agreement.
- 10.9.b AMENDMENTS. This Agreement may not be amended except in a writing signed by the Executive and an authorized representative of the Company.

### IN WITNESS WHEREOF, Executive and Company have executed this Agreement as of the date set forth above.

Executive: Josh Feinberg

Signature: /s/ Joshua H. Feinberg

Date: September 21, 2019

Company: ABM Industries Incorporated

Signature: /s/ Andrew D. Block

Name, Title: Andrew D. Block, EVP and CHRO

Date: October 1, 2019

### APPENDIX A

- A. ASSIGNMENT. Executive hereby assigns, and agrees to assign, to the Company, without additional compensation, Executive's entire right, title and interest in and to (a) all Creations, and (b) all benefits, privileges, causes of action and remedies relating to the Creations, whether before or hereafter accrued (including, without limitation, the exclusive rights to apply for and maintain all such registrations, renewals and/or extensions; to sue for all past, present or future infringements or other violations of any rights in the Creation; and to settle and retain proceeds from any such actions). As used herein, the term Creations includes, but is not limited to, creations, inventions, works of authorship, ideas, processes, technology, formulas, software programs, writings, designs, discoveries, modifications and improvements, whether or not patentable or reduced to practice and whether or not copyrightable, that relate in any manner to the actual or demonstrably anticipated business or research and development of the Company or its affiliates, and that are made, conceived or developed by Executive (either alone or jointly with others), or result from or are suggested by any work performed by Executive (either alone or jointly with others) for or on behalf of the Company or its affiliates: (i) during the period of Executive's employment with the Company, whether or not made, conceived or developed during regular business hours; or (ii) after termination of Executive's employment if based on Confidential Information. Executive agrees that all such Creations are the sole property of the Company or any other entity designated by it, and, to the maximum extent permitted by applicable law, any copyrightable Creation will be deemed a work made for hire. If the State of Employment is California, Executive UNDERSTANDS THAT THIS PARAGRAPH DOES NOT APPLY TO ANY CREATION WHICH QUALIFIES FULLY UNDER THE PROVISIONS OF SECTION 2870 OF THE LABOR CODE OF THE STATE OF CALIFORNIA, A COPY OF WHICH IS ATTACHED BELOW. Executive understands that nothing in this Agreement is intended to expand the scope of protection provided to Executive by Sections 2870 through 2872 of the California Labor Code.
- B. DISCLOSURE. Executive agrees to disclose promptly and fully to Executive's immediate supervisor at the Company, and to hold in confidence for the sole right, benefit and use of Company, any and all Creations made, conceived or developed by Executive (either alone or jointly with others) during Executive's employment with the Company, or within one (1) year after the termination of Executive's employment if based on Confidential Information. Such disclosure will be received and held in confidence by the Company. In addition, Executive agrees to keep and maintain adequate and current written records on the development of all Creations made, conceived or developed by Executive (either alone or jointly with others) during Executive's period of employment or during the one-year period following termination of Executive's employment, which records will be available to and remain the sole property of the Company at all times.

C. ASSIST WITH REGISTRATION. Executive agrees that Executive will, at the Company's request, promptly execute a written assignment of title for any Creation required to be assigned by Section B. Executive further agrees to perform, during and after Executive's employment, all acts deemed necessary or desirable by the Company to assist it (at its expense) in obtaining and enforcing the full benefits, enjoyment, rights and title throughout the world in the Creation assigned to the Company pursuant to Section B. Such acts may include, but are not limited to, execution of documents and assistance or cooperation in legal proceedings. Should the Company be unable to secure Executive's signature on any document necessary to apply for, prosecute, obtain, or enforce any patent, copyright, or other right or protection relating to any Creation, whether due to Executive's mental or physical incapacity or any other cause, Executive hereby irrevocably designates and appoints the Company and each of its duly authorized officers and agents as Executive's agent and attorney-in-fact, to undertake such acts in Executive's name as if executed and delivered by Executive, and Executive waives and quitclaims to the Company any and all claims of any nature whatsoever that Executive may not have or may later have for infringement of any intellectual property rights in the Creations. The Company will compensate Executive at a reasonable rate for time actually spent by Executive at the Company's request on such assistance at any time following termination of Executive's employment with the Company.

### CALIFORNIA LABOR CODE SECTION 2870-2872

2870. (a) Any provision in an employment agreement which provides that an employee shall assign, or offer to assign, any of his or her rights in an invention to his or her employer shall not apply to an invention that the employee developed entirely on his or her own time without using the employer's equipment, supplies, facilities, or trade secret information except for those inventions that either:

- 1. Relate at the time of conception or reduction to practice of the invention to the employer's business, or actual or demonstrably anticipated research or development of the employer; or
- 2. Result from any work performed by the employee for the employer.
- (b) To the extent a provision in an employment agreement purports to require an employee to assign an invention otherwise excluded from being required to be assigned under subdivision (a), the provision is against the public policy of this state and is unenforceable.
- 2871. No employer shall require a provision made void and unenforceable by Section 2870 as a condition of employment or continued employment. Nothing in this article shall be construed to forbid or restrict the right of an employer to provide in contracts of employment for disclosure, provided that any such disclosures be received in confidence, of all of the employee's inventions made solely or jointly with others during the term of his or her employment, a review process by the employer to determine such issues as may arise, and for full title to certain patents and inventions to be in the United States, as required by contracts between the employer and the United States or any of its agencies.

2872. If an employment agreement entered into after January 1, 1980, contains a provision requiring the employee to assign or offer to assign any of his or her rights in any invention to his or her employer, the employer must also, at the time the agreement is made provide a written notification to the employee that the agreement does not apply to an invention which qualifies fully under the provisions of Section 2870. In any suit or action arising thereunder, the burden of proof shall be on the employee claiming the benefits of its provisions.

### SUBSIDIARIES OF ABM INDUSTRIES INCORPORATED

The following is a list of subsidiaries of the company as of October 31, 2019, omitting subsidiaries which, considered in the aggregate, would not constitute a significant subsidiary.

	Where Incorporated or	
Company	Organized	
ABM INDUSTRIES INCORPORATED	Delaware	
(*) ABM Aviation, Inc.	Georgia	
Omni Serv Limited	England	
Air Serv Middle East Hospitality Services LLC	UAE	
OFJ Connections	England	
OFJ Airlinks Limited	England	
ABM International (Holdings) B.V.	Holland	
ABM International Limited	Bermuda	
ABM Group UK Limited	England	
ABM Facility Services UK Limited	England	
ABM Facility Services Scotland Limited	England	
Eclipse Contract Cleaning Limited	Scotland	
GBM Services (Civic) Limited	England	
BRBIBR Limited	England	
ABM Critical Solutions Limited	England	
Westway Services Holdings (2014) Ltd.	England	
Westway Services Holdings (2010) Ltd.	England	
ABM Technical Solutions Limited	England	
ABM Onsite Services - Canada ULC	Canada	
ABM Building & Energy Solutions, LLC	Delaware	
ABM Building Services, LLC	Delaware	
ABM Building Solutions, LLC	Delaware	
ABM Electrical & Lighting Services, LLC	Delaware	
ABM Electrical & Lighting Solutions, Inc.	Delaware	
ABM Electrical Power Services, LLC	Delaware	
ABM Electrical Power Solutions, LLC	Delaware	
ABM Facility Support Services, LLC	Delaware	
RenewEnergy Solutions, LLC	Delaware	
ABM Franchising Group, LLC	Delaware	
ABM General Services, Inc.	Delaware	
ABM Healthcare Support Services, Inc.	Michigan	
ABM Industrial Services, Inc.	Delaware	
ABM Industry Groups, LLC	Delaware	
ABM Security Services, Inc.	California	
ABM Texas General Services, Inc.	Delaware	
Grade Sub Two, LLC	Delaware	
GCA Services Group, Inc.	Delaware	
Associated Facility Management, LLC	Nevada	
GCA Cleaning Specialties, LP	Texas	
GCA Services Group Mountain States, LP	Texas	

GCA Services Group of Texas, LP Texas Associated Facility Ventures, LLC Nevada GCA Education Services, Inc. Tennessee GCA Education Services Central States, Inc. Illinois GCA Education Services of New England, Inc. Delaware GCA K12 Education Services, Inc. Texas GCA Nuclear Facility Services, Inc. Texas GCA Production Services, Inc. Delaware GCA Services Group of California, Inc. California GCA Services Group of Colorado, Inc. Colorado GCA Services Group of North Carolina, Inc. North Carolina GCA Services Group of Northwestern States, Inc. Washington GCA Staffing Services, Inc. Delaware National Building Maintenance Corp. Delaware New York IFM Assurance Company

<sup>\*</sup>Subsidiary relationship to Company or to subsidiary parents shown by progressive indentation.

### **Consent of Independent Registered Public Accounting Firm**

The Board of Directors ABM Industries Incorporated:

We consent to the incorporation by reference in the registration statements listed below of ABM Industries Incorporated and subsidiaries of our reports dated December 20, 2019, with respect to the consolidated balance sheets of ABM Industries Incorporated and subsidiaries as of October 31, 2019 and 2018, and the related consolidated statements of comprehensive income, stockholders' equity, and cash flows for each of the years in the three-year period ended October 31, 2019, and the related notes and financial statement Schedule II (collectively, the consolidated financial statements), and the effectiveness of internal control over financial reporting as of October 31, 2019, which reports appear in the October 31, 2019 annual report on Form 10-K of ABM Industries Incorporated.

Registration No.	Form	Plan
333-167464	S-8	2004 Employee Stock Purchase Plan
333-78423	S-8	"Age-Vested" Career Stock Option Plan
333-78421	S-8	"Time-Vested" Incentive Stock Option Plan
333-48857	S-8	1996 Price Vested Performance Stock Option Plan
333-85390	S-8	2002 Price Vested Performance Stock Option Plan
333-116487	S-8	2004 Employee Stock Purchase Plan
333-137241	S-8	2006 Equity Incentive Plan
333-159770	S-8	2006 Equity Incentive Plan
333-179991	S-8	2006 Equity Incentive Plan
333-202521	S-8	2006 Equity Incentive Plan
333-211991	S-8	2004 Employee Stock Purchase Plan
333-224183	S-8	Amended and Restated 2016 Equity Incentive Plan
333-223233	S-3	ABM Industries Automatic Shelf Registration Statement

/s/ KPMG LLP

New York, New York December 20, 2019

# CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO SECURITIES EXCHANGE ACT OF 1934 RULE 13a-14(a) OR 15d-14(a)

### I, Scott Salmirs, certify that:

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

December 20, 2019

<u>/s/ Scott Salmirs</u>
Scott Salmirs
Chief Executive Officer

(Principal Executive Officer)

## CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO SECURITIES EXCHANGE ACT OF 1934 RULE 13a-14(a) OR 15d-14(a)

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

December 20, 2019

<u>/s/ D. Anthony Scaglione</u>
D. Anthony Scaglione
Chief Financial Officer
(Principal Financial Officer)

# CERTIFICATIONS PURSUANT TO SECURITIES EXCHANGE ACT OF 1934 RULE 13a-14(b) OR 15d-14(b) AND 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of ABM Industries Incorporated (the "Company") for the year ended October 31, 2019, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), Scott Salmirs, Chief Executive Officer of the Company, and D. Anthony Scaglione, Chief Financial Officer of the Company, each certifies for the purpose of complying with Rule 13a-14(b) or Rule 15d-14(b) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") and Section 1350 of Chapter 63 of Title 18 of the United States Code, that:

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

December 20, 2019 /s/ Scott Salmirs

Scott Salmirs

Chief Executive Officer (Principal Executive Officer)

December 20, 2019 /s/ D. Anthony Scaglione

D. Anthony Scaglione Chief Financial Officer (Principal Financial Officer)