UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K

(Mark One)			
	ANNUAL REPORT PUR ACT OF 1934	RSUANT TO SECTION 13 OR 15(d) OF T	THE SECURITIES EXCHANGE
		For the fiscal year ended	
		October 31, 2020	
		Or	
	TRANSITION REPORT EXCHANGE ACT OF 19	PURSUANT TO SECTION 13 OR 15(d)	OF THE SECURITIES
		he transition period from to	
		Commission file number	
		1-4423	
		IID DIG	
		HP INC.	
	(Exact n	name of registrant as specified in its charter)	
	Delaware		94-1081436
			I.R.S. employer
`	te or other jurisdiction of poration or organization)		entification no.)
15	501 Page Mill Road		94304
P	alo Alto, California		(Zip code)
(Address	of principal executive offices)		
	(Regist	(650) 857-1501 rant's telephone number, including area code)	
	Securities registered pursu	uant to Section 12(b) of the Securities Exchar	nge Act of 1934:
Title of each cla	ass	Trading Symbol(s)	Name of each exchange on which registered
Common stock, par value	\$0.01 per share	HPQ	New York Stock Exchange
	Securities r	registered pursuant to Section 12(g) of the Ac	et:
		None	
			<u></u>
Indicate by check mark if the re-	gistrant is a well-known seasoned is	ssuer as defined in Rule 405 of the Securities Act. Ye	es □ No ⊠
•	-	ts pursuant to Section 13 or Section 15(d) of the Act.	
the preceding 12 months (or for such sho Indicate by check mark whether	rter period that the registrant was re the registrant has submitted electron	equired to file such reports), and (2) has been subject	Securities Exchange Act of 1934 (the "Exchange Act") during to such filing requirements for the past 90 days. Yes \boxtimes No \square omitted pursuant to Rule 405 of Regulation S-T (232.405 of th No \square
		d filer, an accelerated filer, a non-accelerated filer, a reporting company" and "emerging growth company	smaller reporting company, or an emerging growth company. "in Rule 12b-2 of the Exchange Act
Large accelerated filer Accele	rated filer Non-acceler	Smaller reporting company	Emerging growth company
accounting standards provided pursuant t	o Section 13(a) of the Exchange A	et. □	period for complying with any new or revised financial
Indicate by check mark whether under Section 404(b) of the Sarbanes-Ox	the registrant has filed a report on ley Act (15 U.S.C. 7262(b)) by the	and attestation to its management's assessment of the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared or issued to the registered public accounting firm that prepared to the registered public accounting firm that prepared to the registered public accounting firm that prepared to the registered public accounting the registered public accountin	e effectiveness of its internal control over financial reporting sued its audit report. \boxtimes
The aggregate market value of the	he registrant's common stock held	as defined in Rule 12b-2 of the Exchange Act). Yes by non-affiliates was \$22,154,410,824 based on the la November 30, 2020 was 1,289,636,312 shares.	
	DOCU	MENTS INCORPORATED BY REFERENCE	

10-K PART

DOCUMENT DESCRIPTION

Form 10-K

For the Fiscal Year ended October 31, 2020

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In this report on Form 10-K, for all periods presented, "we", "us", "our", the "company", "HP" and "HP Inc." refer to HP Inc. (formerly Hewlett-Packard Company) and its consolidated subsidiaries.

Forward-Looking Statements

This Annual Report on Form 10-K, including "Business" in Item 1 and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in Item 7, contains forward-looking statements based on current expectations and assumptions that involve risks and uncertainties. If the risks or uncertainties ever materialize or the assumptions prove incorrect, the results of HP Inc. and its consolidated subsidiaries ("HP") may differ materially from those expressed or implied by such forward-looking statements and assumptions. All statements other than statements of historical fact are statements that could be deemed forward-looking statements, including, but not limited to, any statements regarding the potential impact of the COVID-19 pandemic and the actions by governments, businesses and individuals in response to the situation; projections of net revenue, margins, expenses, effective tax rates, net earnings, net earnings per share, cash flows, benefit plan funding, deferred taxes, share repurchases, foreign currency exchange rates or other financial items; any projections of the amount, timing or impact of cost savings or restructuring and other charges, planned structural cost reductions and productivity initiatives; any statements of the plans, strategies and objectives of management for future operations, including, but not limited to, our business model and transformation, our sustainability goals, our go-to-market strategy the execution of restructuring plans and any resulting cost savings, net revenue or profitability improvements or other financial impacts; any statements concerning the expected development, performance, market share or competitive performance relating to products or services; any statements regarding current or future macroeconomic trends or events and the impact of those trends and events on HP and its financial performance; any statements regarding pending investigations, claims or disputes; any statements of expectation or belief, including with respect to the timing and expected benefits of acquisitions and other business combination and investment transactions; and any statements of assumptions underlying any of the foregoing. Forward-looking statements can also generally be identified by words such as "future," "anticipates," "believes," "estimates," "expects," "intends," "plans," "predicts," "projects," "will," "would," "could," "can," "may," and similar terms. Risks, uncertainties and assumptions include factors relating to the effects of the COVID-19 pandemic and the actions by governments, businesses and individuals in response to the situation, the effects of which may give rise to or amplify the risks associated with many of these factors listed here; HP's ability to execute on its strategic plan, including the previously announced initiatives, business model changes and transformation; execution of planned structural cost reductions and productivity initiatives; HP's ability to complete any contemplated share repurchases, other capital return programs or other strategic transactions; the need to address the many challenges facing HP's businesses, the competitive pressures faced by HP's businesses; risks associated with executing HP's strategy and business model changes and transformation; successfully innovating, developing and executing HP's go-to-market strategy, including online, omnichannel and contractual sales, in an evolving distribution and reseller landscape; the development and transition of new products and services and the enhancement of existing products and services to meet customer needs and respond to emerging technological trends; successfully competing and maintaining the value proposition of HP's products, including supplies; the need to manage third-party suppliers, manage HP's global, multi-tier distribution network, limit potential misuse of pricing programs by HP's channel partners, adapt to new or changing marketplaces and effectively deliver HP's services; challenges to HP's ability to accurately forecast inventories, demand and pricing, which may be due to HP's multi-tiered channel, sales of HP's products to unauthorized resellers or unauthorized resale of HP's products; integration and other risks associated with business combination and investment transactions; the results of the restructuring plans, including estimates and assumptions related to the cost (including any possible disruption of HP's business) and the anticipated benefits of the restructuring plans; the protection of HP's intellectual property assets, including intellectual property licensed from third parties; the hiring and retention of key employees; the impact of macroeconomic and geopolitical trends and events, risks associated with HP's international operations; the execution and performance of contracts by HP and its suppliers, customers, clients and partners; disruptions in operations from system security risks, data protection breaches, cyberattacks, extreme weather conditions, medical epidemics or pandemics such as the COVID-19 pandemic, and other natural or manmade disasters or catastrophic events; the impact of changes in tax laws; potential impacts, liabilities and costs from pending or potential investigations, claims and disputes; and other risks that are described herein, including but not limited to the items discussed in "Risk Factors" in Item 1A of Part I of this report and that are otherwise described or updated from time to time in HP's other filings with the Securities and Exchange Commission (the "SEC"). The forward-looking statements in this report are made as of the date of this filing and HP assumes no obligation and does not intend to update these forward-looking statements.

PART I

ITEM 1. Business.

Business Overview

We are a leading global provider of personal computing and other access devices, imaging and printing products, and related technologies, solutions and services. We sell to individual consumers, small- and medium-sized businesses ("SMBs") and large enterprises, including customers in the government, health and education sectors.

As part of the separation of Hewlett Packard Enterprise Company ("Hewlett Packard Enterprise"), Hewlett-Packard Company's former enterprise technology infrastructure, software, services and financing businesses (the "Separation") on November 1, 2015, HP and Hewlett Packard Enterprise entered into a separation and distribution agreement, an employee matters agreement and various other agreements which remain enforceable that provide a framework for the continuing relationships between the parties.

HP Products and Services; Segment Information

We have three reportable segments: Personal Systems, Printing and Corporate Investments. The Personal Systems segment offers commercial and consumer desktop and notebook personal computers ("PCs"), workstations, thin clients, commercial mobility devices, retail point-of-sale ("POS") systems, displays and other related accessories, software, support and services. The Printing segment provides consumer and commercial printer hardware, supplies, services and solutions, as well as scanning devices. Corporate Investments includes HP Labs and certain business incubation and investment projects.

Personal Systems

Personal Systems offers commercial and consumer desktop and notebook PCs, workstations, thin clients, commercial mobility devices, retail POS systems, displays and other related accessories, software, support and services. We group commercial notebooks, commercial desktops, commercial services, commercial mobility devices, commercial detachables and convertibles, workstations, retail POS systems and thin clients into commercial PCs and consumer notebooks, consumer desktops, consumer services and consumer detachables into consumer PCs when describing performance in these markets. Both commercial and consumer PCs maintain a multi-operating system, multi-architecture strategies using Microsoft Windows, Google Chrome, Android operating systems and use predominantly processors from Intel Corporation ("Intel") and Advanced Micro Devices, Inc. ("AMD").

Commercial PCs are optimized for use by enterprise, public sector which includes education, and SMB customers, with a focus on robust designs, security, serviceability, connectivity, reliability and manageability in networked and cloud-based environments. Commercial PCs include the HP ProBook and HP EliteBook lines of notebooks, convertibles, and detachables, the HP Pro and HP Elite lines of business desktops and all-in-ones, retail POS systems, HP Thin Clients, HP Pro Tablet PCs and the HP notebook, desktop and Chromebook systems. Commercial PCs also include workstations that are designed and optimized for high-performance and demanding application environments including Z desktop workstations, Z all-in-ones and Z mobile workstations. Additionally, we offer a range of services and solutions to enterprise, public sector and SMB customers to help them manage the lifecycle of their PC and mobility installed base.

Consumer PCs are optimized for consumer usage, focusing on gaming, learning and working remotely, consuming multi-media for entertainment, managing personal life activities, staying connected, sharing information, getting things done for work including creating content, staying informed and secure. These systems include HP Spectre, HP Envy, HP Pavilion, HP Chromebook, HP Stream, Omen by HP lines of notebooks and hybrids and HP Envy, HP Pavilion desktops and all-in-one lines, and Omen by HP desktops.

Personal Systems groups its global business capabilities into the following business units when reporting business performance:

- Notebooks consists of consumer notebooks, commercial notebooks, mobile workstations and commercial mobility devices;
- Desktops includes consumer desktops, commercial desktops, thin clients, and retail POS systems;
- Workstations consists of desktop workstations and accessories; and
- Other consists of consumer and commercial services as well as other Personal Systems capabilities.

Printing

Printing provides consumer and commercial printer hardware, supplies, services and solutions. Printing is also focused on Graphics and 3D imaging solutions in the commercial and industrial markets. HP goes to market through its extensive channel network and directly with HP sales. Our global business capabilities within Printing are described below:

Office Printing Solutions delivers HP's office printers, supplies, services, and solutions to SMBs and large enterprises. It also includes Original Equipment Manufacturer ("OEM") hardware and solutions, and some Samsung-branded supplies.

Home Printing Solutions delivers innovative printing products, supplies, services and solutions for the home, home business and micro business customers utilizing both HP's Ink and Laser technologies. It also includes some Samsung-branded supplies.

Graphics Solutions delivers large-format, commercial and industrial solutions and supplies to print service providers and packaging converters through a wide portfolio of printers and presses (HP DesignJet, HP Latex, HP Indigo and HP PageWide Web Presses).

3D Printing and Digital Manufacturing offers a portfolio of additive manufacturing solutions and supplies to help customers succeed in their additive and digital manufacturing journey. HP offers complete solutions in collaboration with an ecosystem of partners.

Printing groups its global business capabilities into the following business units when reporting business performance:

- Commercial Hardware consists of office printing solutions, graphics solutions and 3D printing and digital manufacturing, excluding supplies;
- Consumer Hardware consists of home printing solutions, excluding supplies; and
- Supplies comprises a set of highly innovative consumable products, ranging from ink and laser cartridges to media, graphics supplies and 3D printing and digital manufacturing supplies, for recurring use in consumer and commercial hardware.

Corporate Investments

Corporate Investments includes HP Labs and certain business incubation and investment projects.

Sales, Marketing and Distribution

We manage our business and report our financial results based on the business segments described above. Our customers are organized by consumer and commercial groups, and purchases of HP products, solutions and services may be fulfilled directly by HP or indirectly through a variety of partners, utilizing their own physical or internet stores or an omnichannel combination of the two, including:

- retailers that sell our products to the public focusing on consumers and small- and medium-sized businesses;
- resellers that sell our products and services, frequently with their own value-added products or services, to targeted customer groups;
- distribution partners that supply our products and solutions to resellers; and
- system integrators and other business intermediaries that provide various levels of services, including systems integration work and as-a-service solutions, and typically partner with us on client solutions that require our products and services.

The mix of our business conducted by direct sales or channel sales differs by business and geographic market. We believe that customer buying patterns and different geographic market conditions require us to tailor our sales, marketing and distribution efforts to the geographic market and sub-geographic specificities for each of our businesses. We are focused on driving the depth and breadth of our market coverage while identifying efficiencies and productivity gains in both our direct and indirect routes to market. Our businesses collaborate to accomplish strategic and process alignment where appropriate. For example, we typically assign an account manager to manage relationships across our business with large enterprise customers. The account manager is supported by a team of specialists with product and services expertise and drives both direct and indirect sales to their assigned customers. For other customers and for consumers, we typically manage both direct online sales as well as channel relationships with retailers mainly targeting consumers and small businesses and commercial resellers mainly targeting SMBs and mid-market accounts.

Manufacturing and Materials

We utilize a significant number of outsourced manufacturers ("OMs") around the world to manufacture HP-designed products. The use of OMs is intended to generate cost efficiencies and reduce time to market for HP-designed products. We use multiple OMs to maintain flexibility in our supply chain and manufacturing processes. In some circumstances, third-party suppliers produce products that we purchase and resell under the HP brand. Additionally, we manufacture finished products from components and sub-assemblies that we acquire from a wide range of vendors.

We utilize two primary methods of fulfilling demand for products: building products to order and configuring products to order. We build products to order to maximize manufacturing and logistics efficiencies by producing high volumes of basic product configurations. Alternatively, configuring products to order enables units to match a customer's hardware and software customization requirements. Our inventory management and distribution practices in both building products to order and configuring products to order seek to minimize inventory holding periods by taking delivery of the inventory and manufacturing shortly before the sale or distribution of products to our customers.

We purchase materials, supplies and product sub-assemblies from a substantial number of vendors. For most of our products, we have existing alternate sources of supply or alternate sources of supply are readily available. However, we have relied on sole sources for some laser printer engines, LaserJet supplies, certain customized parts and parts for products with short life cycles (although some of these sources have operations in multiple locations, mitigating the effect of a disruption). For instance, we source the majority of our A4 and a portion of A3 portfolio laser printer engines and laser toner cartridges

from Canon. Any decision by either party not to renew our agreement with Canon or to limit or reduce the scope of the agreement could adversely affect our net revenue from LaserJet products; however, we have a long-standing business relationship with Canon and anticipate renewal of this agreement.

We are dependent upon Intel and AMD as suppliers of x86 processors and Microsoft for various software products. We believe that disruptions with these suppliers would have industry-wide ramifications, and therefore would not disproportionately disadvantage us relative to our competitors. See "Risk Factors—We depend on third-party suppliers, and our financial results could suffer if we fail to manage our suppliers effectively" in Item 1A, which is incorporated herein by reference.

Like other participants in the information technology ("IT") industry, we ordinarily acquire materials and components through a combination of blanket and scheduled purchase orders to support our demand requirements for periods averaging 90 to 120 days. From time to time, we may experience significant price volatility or supply constraints for certain components that are not available from multiple sources. We also may acquire component inventory in anticipation of supply constraints or enter into longer-term pricing commitments with vendors to improve the priority, price and availability of supplies. See "Risk Factors—We depend on third-party suppliers, and our financial results could suffer if we fail to manage our suppliers effectively" in Item 1A, which is incorporated herein by reference.

Sustainability also plays an important role in the manufacturing and sourcing of materials and components for our products. We strive to make our products in an ethical and sustainable manner. We have committed to building an efficient, resilient and sustainable supplier network, and we collaborate with our suppliers to improve their labor practices and working conditions, and to reduce the environmental impact of their operations. These actions, together with our broader sustainability program, help us in our effort to meet customer sustainability requirements and comply with regulations, for example, regarding supplier labor practices and conflict minerals disclosures. For more information on our sustainability goals, programs, and performance, we refer you to our annual sustainability report, available on our website (which is not incorporated by reference herein).

International

Our products and services are available worldwide. We believe this geographic diversity allows us to meet both consumer and enterprise customers' demand on a worldwide basis and draws on business and technical expertise from a worldwide workforce. This provides stability to our operations, provides revenue streams that may offset geographic economic trends and offers us an opportunity to access new markets for maturing products. In addition, we believe that future growth is dependent in part on our ability to develop products and sales models that target developing countries. In this regard, we believe that our broad geographic presence as well as our focus on diversity and inclusion, gives us a solid base on which to build future growth.

Research and Development

Innovation across products, services, business models and processes is a key element of our culture. Our development efforts are focused on designing and developing products, services and solutions that anticipate customers' changing needs and desires, and emerging technological trends. Our efforts also are focused on identifying the areas where we believe we can make a unique contribution and the areas where partnering with other leading technology companies will leverage our cost structure and maximize our customers' experiences.

HP Labs, together with the various research and development groups within our business segments, is responsible for our research and development efforts. HP Labs is part of our Corporate Investments segment.

We anticipate that we will continue to have significant research and development expenditures in the future to support the design and development of innovative, high-quality products and services to maintain and enhance our competitive position.

For a discussion of risks attendant to our research and development activities, see "Risk Factors—If we cannot successfully execute our strategy and continue to develop, manufacture and market innovative products and services, our business and financial performance may suffer" in Item 1A, which is incorporated herein by reference.

Patents

Our general policy has been to seek patent protection for those inventions likely to be incorporated into our products and services or where obtaining such proprietary rights will improve our competitive position. At October 31, 2020, our worldwide patent portfolio included over 28,000 patents.

Patents generally have a term of twenty years from the date they are filed. As our patent portfolio has been built over time, the remaining terms of the individual patents across our patent portfolio vary. We believe that our patents and patent applications are important for maintaining the competitive differentiation of our products and services, enhancing our freedom of action to sell our products and services in markets in which we choose to participate, and maximizing our return on research and development investments. No single patent is essential to HP as a whole or to any of HP's business segments.

In addition to developing our patent portfolio, we license intellectual property ("IP") from third parties as we deem appropriate. We have also granted and continue to grant to others licenses, and other rights, under our patents when we consider these arrangements to be in our interest. These license arrangements include a number of cross-licenses with third parties.

For a discussion of risks attendant to IP rights, see "Risk Factors—Our financial performance may suffer if we cannot continue to develop, license or enforce the intellectual property rights on which our businesses depend", "Risk Factors—Our products and services depend in part on IP and technology licensed from third parties" and "Risk Factors—Third-party claims of IP infringement are commonplace in our industry and may limit or disrupt our ability to sell our products and services" in Item 1A, which is incorporated herein by reference.

Seasonality

General economic conditions have an impact on our business and financial results. From time to time, the markets in which we sell our products and services experience weak economic conditions that may negatively affect sales. We experience some seasonal trends in the sale of our products and services. For example, European sales are often weaker in the summer months and consumer sales are often stronger in the fourth calendar quarter. Demand during the spring and early summer months also may be adversely impacted by market anticipation of seasonal trends. See "Risk Factors—Our uneven sales cycle makes planning and inventory management difficult and future financial results less predictable," in Item 1A, which is incorporated herein by reference.

Competition

We encounter strong competition in all areas of our business activity. We compete on the basis of technology, innovation, performance, price, quality, reliability, brand, reputation, distribution, range of products and services, ease of use of our products, account relationships, customer training, service and support, security, availability of application software and internet infrastructure offerings, and our sustainability performance.

The markets for each of our key business segments are characterized by strong competition among major corporations with long-established positions and a large number of new and rapidly growing firms. Most product life cycles are short, and to remain competitive we must develop new products and services, periodically enhance our existing products and services and compete effectively on the basis of the factors listed above. In addition, we compete with many of our current and potential partners, including OEMs that design, manufacture and often market their products under their own brand names. Our successful management of these competitive partner relationships will be critical to our future success. Moreover, we anticipate that we will have to continue to adjust prices on many of our products and services to stay competitive.

We have a broad technology portfolio spanning personal computing and other access devices, imaging and printing-related products and services. We are the leader or among the leaders in each of our key business segments.

The competitive environment in which each key segment operates is described below:

Personal Systems. The markets in which Personal Systems operates are highly competitive and are characterized by price competition and introduction of new products and solutions. Our primary competitors are Lenovo Group Limited, Dell Inc., Huawei Technologies Co., Ltd., Acer Inc., ASUSTeK Computer Inc., Apple Inc., Toshiba Corporation, Microsoft Corporation, and Samsung Electronics Co., Ltd. In particular geographies, we also experience competition from local companies and from generically-branded or "white box" manufacturers. Our competitive advantages include our broad product portfolio, our innovation and research and development capabilities including security features, our innovative design work, our brand and procurement leverage, our ability to cross-sell our portfolio of offerings, our extensive service and support offerings and the accessibility of our products through a broad-based distribution strategy from retail and commercial channels to direct sales.

Printing. The markets for printer hardware and associated supplies are highly competitive. Printing's key customer segments each face competitive market pressures in pricing and the introduction of new products. Our primary competitors include Canon Inc., Lexmark International, Inc., Xerox Corporation Ltd., Seiko Epson Corporation, The Ricoh Company Ltd. and Brother Industries, Ltd. In addition, independent suppliers offer non-original supplies (including imitation, refill and remanufactured alternatives), which are often available for lower prices but which can also offer lower print quality and reliability compared to HP original inkjet and toner supplies. These and other competing products are often sold alongside our products through online or omnichannel resellers or distributors, or such resellers and distributors may highlight the availability of lower cost non-original supplies. Our competitive advantages include our comprehensive high-quality solutions for the home, office and publishing environments, our innovation and research and development capabilities including security features, sustainability, our brand, and the accessibility of our products through a broad-based distribution strategy from retail and commercial channels to direct sales.

For a discussion of risks attendant to these competitive factors, see "Risk Factors—We operate in an intensely competitive industry and competitive pressures could harm our business and financial performance," in Item 1A, which is incorporated herein by reference.

Sustainability

At HP, we believe in the power of technology to enable people and communities to change the world for the better. Sustainable impact is fundamental to our reinvention journey, fueling our innovation and growth, strengthening our business for the long term and enabling us to develop and deliver the best solutions to our customers

Our approach covers a broad range of sustainability issues across three pillars: Planet, People and Community. We prioritize issues based on their relative importance to our culture, business success and sustainable development.

Planet. We aim to grow our business, not our footprint, and support our customers to do the same by transforming our entire business to drive a more efficient, circular, and low-carbon economy and by enabling our customers to invent the future through our most sustainable portfolio of products and services.

People. We champion dignity, respect and empowerment for all people with whom we work, and strive to respect human rights and embed diversity and inclusion in everything we do. We are committed to doing our part to enable all people who help bring our products to market to thrive at work, at home and in their communities.

Community. Through our technology, time and resources, we work to catalyze positive change in communities where we live, work and do business. As a result, we aim to unlock educational and economic opportunity through the power of technology and improve the vitality and resilience of our local communities.

Goals. Our current long-term sustainability goals are:

Planet

- Use 30% post-consumer recycled content plastic ("RCP") across our personal systems and print portfolio by 2025 (which refers to RCP as a percentage of total plastic used in all HP personal systems, printer hardware, and print cartridges shipped during the reporting year);
- Eliminate 75% of single-use plastic packaging by 2025, compared to 2018. (Calculated as the percentage of primary plastic packaging (by weight) reduced per unit shipped).
- Use 100% renewable electricity in our global operations by 2035, with an interim goal of 60% by 2025;
- Consistent with a science-based reduction target in line with 1.5°C, reduce Scope 1 and Scope 2 greenhouse gas ("GHG") emissions in our global operations by 60% by 2025, compared to 2015;
- Reduce the GHG emissions intensity of HP's product portfolio use (which refers to per unit GHG emissions during anticipated product lifetime use weighted by contribution of personal systems and printing products to overall revenue arising from the use of more than 99% of HP product units shipped each year) by 30% by 2025, compared to 2015;
- Reduce first-tier production supplier and product transportation-related GHG emissions intensity (which refers to the portion of first-tier production and product transportation suppliers' reported GHG emissions attributable to HP divided by HP's annual net revenue) by 10% by 2025, compared to 2015;
- Help suppliers cut 2 million tonnes of carbon dioxide equivalent (CO₂e) emissions between 2010 and 2025;
- Recycle 1.2 million tonnes of hardware and supplies by 2025, since the beginning of 2016; and
- Reduce potable water consumption across global operations by 35% by 2025, compared to 2015 with a focus on high risk sites;

People

- Double our number of Black and African American executives by 2025.
- Develop skills and improve well-being of 500,000 factory workers by 2025, since the beginning of 2015;
- Double factory participation in our supply chain sustainability programs by 2025, compared to 2015; and
- Maintain greater than 99% completion rate of annual Integrity@HP training among active HP employees and the Board of Directors.

Community

- Enable better learning outcomes for 100 million people by 2025, since the beginning of 2015;
- Enroll 1 million HP LIFE (Learning Initiative for Entrepreneurs) users between 2016 and 2025;
- · Contribute \$100 million in HP Foundation and employee community giving cumulatively by 2025 since the beginning of 2016; and
- Contribute 1.5 million employee volunteering hours cumulatively by 2025, since the beginning of 2016.

For more information on our sustainability goals, programs, and performance, we refer you to our annual Sustainable Impact Report, available on our website (which is not incorporated by reference herein).

Environment

Our operations are subject to regulation under various federal, state, local and foreign laws concerning the environment, including laws addressing the discharge of pollutants into the air and water, the management and disposal of hazardous substances and wastes, and the cleanup of contaminated sites. We could incur substantial costs, including cleanup costs, fines and civil or criminal sanctions, and third-party damage or personal injury claims, if we were to violate or become liable under environmental laws

Many of our products are subject to various federal, state, local and foreign laws governing chemical substances in products and their safe use, including laws regulating the manufacture and distribution of chemical substances and laws restricting the presence of certain substances in electronics products. Most of our products also are subject to requirements applicable to their energy consumption. In addition, we face increasing complexity in our product design and procurement operations as we adjust to new and future requirements relating to the chemical and materials composition of our products, and their safe use.

We proactively evaluate and at times replace materials in our products and supply chain, taking into account, among other things, published lists of substances of concern, new and upcoming legal requirements, customer preferences and scientific analysis that indicates a potential impact to human health or the environment.

We are also subject to legislation in an increasing number of jurisdictions that makes producers of electrical goods, including computers and printers, financially responsible for specified collection, recycling, treatment and disposal of past and future covered products (sometimes referred to as "product take-back legislation"). We are also subject to standards set by public and private entities related to sustainability issues such as energy consumption, reusing or recycling. We intend for our products to be easily reused and recycled, and we provide many of our customers with reuse and recycling programs.

In the event our products become non-compliant with these laws or standards, our products could be restricted from entering certain jurisdictions or from being procured by certain governments or private companies, and we could face other sanctions, including fines.

Our operations, supply chain and our products are expected to become increasingly subject to federal, state, local and foreign laws, regulations and international treaties relating to climate change, such as carbon pricing or product energy efficiency requirements. As these and other new laws, regulations, treaties and similar initiatives and programs are adopted and implemented throughout the world, we will be required to comply or potentially face market access limitations or other sanctions, including fines. We strive to continually improve the energy and carbon efficiency of our operations, supply chain and product portfolio and deliver more cost-effective and less greenhouse gas-intensive technology solutions to our customers. We believe that technology will be fundamental to finding solutions to achieve compliance with and manage those requirements, and we are collaborating with industry, business groups and governments to find and promote ways that HP technology can be used to address climate change and to facilitate compliance with related laws, regulations and treaties.

We are committed to complying with all environmental laws applicable to our operations, products and services and to reducing our environmental impact across all aspects of our business. This commitment is reflected and outlined in our sustainability policy, our comprehensive environmental, health and safety policy, strict environmental management of our operations and worldwide environmental programs and services.

A liability for environmental remediation and other environmental costs is accrued when we consider it probable that a liability has been incurred and the amount of loss can be reasonably estimated. Environmental costs and accruals are presently not material to our operations, cash flows or financial position. Although there is no assurance that existing or future environmental laws applicable to our operations or products will not have a material adverse effect on our operations, cash flows or financial condition, we do not currently anticipate material capital expenditures for environmental control facilities.

For a discussion of risks attendant to these environmental factors, see "Risk Factors—Our business is subject to various federal, state, local and foreign laws and regulations that could result in costs or other sanctions that adversely affect our business and results of operations" in Item 1A, which is incorporated herein by reference. In addition, for a discussion of our environmental contingencies see Note 14, "Litigation and Contingencies" to the Consolidated Financial Statements in Item 8, which is also incorporated herein by reference.

Human Capital

HP's approximately 53,000 employees worldwide power our innovation, contributing unique perspectives and a growth mindset to create breakthrough technologies and transformative solutions. We are committed to fostering a diverse and inclusive workplace that attracts and retains exceptional talent. Through ongoing employee development, comprehensive compensation and benefits, and a focus on health, safety and employee wellbeing, we strive to help our employees in all aspects of their lives so they can do their best work, every single day.

Diversity, Equity and Inclusion

Innovation at HP comes from the diverse perspectives, knowledge, and experiences of our employees. We strive to create an inclusive workplace where people can bring their authentic selves to work.

Our commitment to diversity and inclusion starts at the top with a highly skilled and diverse board. We are among the top technology companies for women in executive positions. Women represent 29.6% of HP's full-time executive positions and 32.3% of full-time director-level employees. We are committed to increasing representation of women at HP overall, but particularly in leadership and technical roles globally.

This focus also extends to underrepresented minorities in the United States. HP is committed to doubling the number of Black and African American executives by 2025.

Women represent 36.9% of HP's worldwide employees and racial and ethnic minorities represent 28.9% of HP's U.S. employees as of October 31, 2020. In 2020, 62.0% of our U.S. hires were from underrepresented groups, including women, U.S. Ethnicities, veterans and people with disabilities.

To ensure leadership maintains a strong focus on diversity and inclusion, each executive leader has individual performance goals under the Management by Objectives ("MBOs") program tied to diversity and inclusion. The board also has ongoing oversight of diversity and inclusion programs.

For additional information regarding our diversity and inclusion programs, please see the section titled "Our Approach to Human Capital Management" in HP's 2021 Proxy Statement.

Pay Equity

We believe people should be paid for what they do and how they do it, regardless of their gender, race, or other personal characteristics. To deliver on that commitment, we benchmark and set pay ranges based on market data and consider factors such as an employee's role and experience, the location of their job, and their performance. We also regularly review our compensation practices, both in terms of our overall workforce and individual employees, to ensure our pay is fair and equitable.

For the past five years and with the support of independent third-party experts in this field, HP has reviewed the compensation of employees to ensure consistent pay practices by conducting a pay equity analysis annually comparing employees in the same role within a country/location.

HP expanded its annual pay equity assessment in 2020 - evaluating eight countries with our largest employee populations, representing 65% of our global workforce. The independent analysis found no systemic issues and any outliers were addressed as part of the normal off-cycle compensation review process.

Employee Engagement

We regularly collect feedback to better understand and improve the employee experience and identify opportunities to continually strengthen our culture. In 2020, 96% of employees participated in our annual employee survey. Last year we achieved highest level of employee engagement (top quartile). Employees' highest rated areas were the following: diversity and inclusion (95%) and ethics and integrity (95%).

Training and Development

Human capital development underpins our efforts to execute our strategy and continue to develop, manufacture and market innovative products and services. We continually invest in our employees' career growth and provide employees with a wide range of development opportunities, including face-to-face, virtual, social and self-directed learning, mentoring, coaching, and external development. In 2020, 98% of employees participated in learning and development activities.

Health, Safety and Wellness

The physical health, financial wellbeing, life balance and mental health of our employees is vital to HP's success.

Our environmental, health, and safety leadership team uses our global injury and illness reporting system to assess trends regionally and worldwide as a part of quarterly reviews. Our manufacturing facilities continue to represent our most significant health and safety risks, due to higher potential exposure to chemicals and machinery related hazards. Managing and reducing risks at these facilities remains a focus, and injury rates continue to be low.

We also sponsor a global wellness program designed to enhance physical, financial, and mental wellbeing for all our employees around the world. Throughout the year, we encourage healthy behaviors through regular communications, educational sessions, voluntary progress tracking, wellness challenges, and other incentives.

Since the onset of the COVID-19 pandemic, we have taken an integrated approach to helping our employees manage their work and personal responsibilities, with a strong focus on employee wellbeing, health and safety. Refer to "Our COVID-19 Response" included in Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" for information on actions taken by HP to support its employees during the COVID-19 pandemic.

Information about our Executive Officers

The following are our current executive officers:

Claire Bramley; age 43; Global Controller

Ms. Bramley has served as Global Controller since December 2018. Previously, Ms. Bramley served as the Regional Head of Finance for Europe-Middle East-Africa from June 2015 to December 2018 and Vice President of Worldwide Financial Planning and Analysis from May 2013 to June 2015.

Alex Cho; age 48; President, Personal Systems

Mr. Cho has served as President, Personal Systems since June 2018. From 2014 to 2018, Mr. Cho served as Global Head and General Manager of Commercial Personal Systems. Prior to that role, Mr. Cho served as the Vice President and General Manager of the LaserJet Supplies team from 2010 to 2014.

Tracy S. Keogh; age 59; Chief Human Resources Officer

Ms. Keogh has served as Chief Human Resources Officer since November 2015. Previously, Ms. Keogh served as Executive Vice President, Human Resources of Hewlett-Packard Company from April 2011 to November 2015. Prior to joining Hewlett-Packard Company, Ms. Keogh served as Senior Vice President of Human Resources at Hewitt Associates, a provider of human resources consulting services, from May 2007 until March 2011.

Enrique Lores; age 55; President and Chief Executive Officer

Mr. Lores has served as President and Chief Executive Officer since November 2019. Throughout his 30-year tenure with the company, Mr. Lores held leadership positions across the organization, most recently serving as President, Printing, Solutions and Services from November 2015 to November 2019, and prior to that role, leading the Separation Management Office for HP Inc. Previously, Mr. Lores was the Senior Vice President and General Manager for Business Personal Systems. Before his Business Personal Systems role, Mr. Lores was Senior Vice President of Customer Support and Services.

Marie Myers; age 52; Acting Chief Financial Officer and Chief Transformation Officer

Ms. Myers has served as Acting Chief Financial Officer since October 2020 and as Chief Transformation Officer since June 2020. Previously she served as Chief Digital Officer from March 2020 to June 2020. Prior to rejoining HP, she was the Chief Financial Officer of UiPath, a robotic process automation company, from December 2018 to December 2019. Prior to UiPath, Ms. Myers served as Global Controller from December 2015 to December 2018 and finance lead during the separation of Hewlett-Packard Company into HP and Hewlett Packard Enterprise Company from October 2014 to August 2015, in addition to other finance-related roles at Hewlett-Packard Company.

Kim Rivera; age 52; President, Strategy and Business Management and Chief Legal Officer

Ms. Rivera has served as President, Strategy and Business Management and Chief Legal Officer since January 2019. Previously, she served as Chief Legal Officer and General Counsel from November 2015 to January 2019. Prior to joining us, she served as the Chief Legal Officer and Corporate Secretary at DaVita Health Care Partners where she was employed from 2010 to 2015. From 2006 to 2009, she served as Vice President and Associate General Counsel at The Clorox Company. Prior to that, Ms. Rivera served as Vice President Law and Chief Litigation Counsel to Rockwell Automation as well as General Counsel for its Automation Controls and Information Group.

Christoph Schell; age 49; Chief Commercial Officer

Mr. Schell has served as Chief Commercial Officer since November 2019. From November 2018 to October 2019, he served as the President of 3D Printing & Digital Manufacturing. Before that, he served as President of the Americas region from November 2015 to November 2018 and managed the Americas region for the HP Print and Personal Systems business from August 2014 to November 2015. Prior to rejoining HP in August 2014, Mr. Schell served as Executive Vice President of the Lighting business in Growth Markets at Philips. Prior to Philips, Mr. Schell held various roles at HP and Procter & Gamble.

Tuan Tran; age 53; President of Imaging, Printing and Solutions

Mr. Tran served as President of Imaging, Printing and Solutions since November 2019. Previously, he served as Global Head & General Manager of the Office Printing Solutions business from 2016 to November 2019, and Global Head & General Manager of the LaserJet and Enterprise Solutions business from 2014 to 2016.

Available Information

Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to reports filed or furnished pursuant to Sections 13(a) and 15(d) of the Securities Exchange Act of 1934, as amended, are available free of charge on our website at http://investor.hp.com, as soon as reasonably practicable after HP electronically files such reports with, or furnishes those reports to, the Securities and Exchange Commission. HP's Corporate Governance Guidelines, Board of Directors' committee charters (including the charters of the Audit Committee, Finance, Investment and Technology Committee, HR and Compensation Committee, and Nominating, Governance and Social Responsibility Committee) and code of ethics entitled "Integrity at HP" (none of which are incorporated by reference herein) are also available at that same location on our website. If the Board grants any waivers from Integrity at HP to any of our directors or executive officers, or if we amend Integrity at HP, we will, if required, disclose these matters via updates to our website at http://investor.hp.com on a timely basis. We encourage investors to visit our website from time to time, as information is updated and new information is posted. The content of our website is not incorporated by reference into this Annual Report on Form 10-K or in any other report or document we file with the SEC, and any references to our website are intended to be inactive textual references only.

Stockholders may request free copies of these documents from:

HP Inc.
Attention: Investor Relations
1501 Page Mill Road,
Palo Alto, CA 94304
http://investor.hp.com/resources/information-request/default.aspx

Additional Information

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ITEM 1A. Risk Factors.

The following discussion of risk factors contains forward-looking statements. These risk factors may be important for understanding any statement in this Form 10-K or elsewhere. The following information should be read in conjunction with Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the Consolidated Financial Statements and related notes in Part II, Item 8, "Financial Statements and Supplementary Data" of this Form 10-K.

Because of the following factors, as well as other variables affecting our results of operations, past financial performance may not be a reliable indicator of future performance, and historical trends should not be used to anticipate results or trends in future periods.

STRATEGIC AND OPERATIONAL RISKS

Our business, results of operations and financial condition have been, and could continue to be, adversely affected by the COVID-19 pandemic.

The COVID-19 pandemic and the actions taken by governments, businesses and individuals in response to the pandemic have resulted in, and are expected to continue to result in, a substantial curtailment of business activities (including the decrease in demand for a broad variety of goods and services), weakened economic conditions, supply chain disruptions, significant economic uncertainty and volatility in the financial markets, both in the United States and abroad

The COVID-19 pandemic is adversely impacting, and is expected to continue to adversely impact, our operations and financial performance. COVID-19 related restrictions impacted the demand for certain products and services as a result of temporary closures of offices and businesses and as people moved to spending more time at home, which negatively impacted sales for commercial products in both Personal Systems and Print. For as long as remote working and learning practices remain prevalent, whether due to restrictions implemented by governmental authorities or businesses allowing employees to continue to work remotely, we expect decreased sales of products for in-office consumption in some markets and channels. While this decrease in demand has been partially offset by increased sales of certain products for in-home consumption, we are unable to predict for how long or to what extent this increase will continue. Moreover, our channel partners have experienced, and may continue to experience, disruptions in their operations due to restrictions implemented in response to COVID-19, which has caused, and may continue to cause, reduced, or cancelled orders and/or collection risks. This has further adversely impacted our results of operations and we expect it to continue to have a negative impact on our results of operations.

Additionally, we have experienced temporary factory closures and other supply chain disruptions as a result of COVID-19, and we may continue to experience such disruptions. For example, our manufacturing sites, including in China and Southeast Asia, as well as those of our suppliers and outsourcing partners, were adversely impacted by COVID-19 as a result of quarantines, facility closures, and travel and logistics restrictions. As of the end of fiscal year 2020, our factories have returned to largely normalized levels. These disruptions in Asia resulted in temporary supply shortages that affected sales worldwide for both Personal Systems and Print, as well as incremental costs. We may experience further disruptions in the future, and any prolonged disruptions to our manufacturing operations, supply chain and/or distribution channels could have a material adverse effect on our business, results of operations and financial condition.

We continue to have significant sources of cash and liquidity and access to committed credit lines, but a prolonged period of generating lower cash from operations could adversely affect our financial condition.

We are also facing increased operational challenges as we take measures to support and protect employee health and safety, including limiting employee travel, closing facilities and offices, and implementing work-from-home policies for employees. In particular, our remote work arrangements, coupled with stay-at-home orders and quarantines, pose challenges for our employees and our IT systems and extended periods of remote work arrangements could strain our business continuity plans, introduce operational risk, including cybersecurity and IT systems management risks, and impair our ability to manage our business.

The effects of COVID-19 may also limit the resources afforded to or delay the implementation of our strategic initiatives and make it more difficult to develop, manufacture and market innovative products and services. If our strategic initiatives are delayed or otherwise modified, such initiatives may not achieve some or all of the expected benefits, which could have a material adverse effect on our competitive position, business, financial condition, results of operations and cash flows.

The ultimate impact of COVID-19 on our operations and financial performance depends on many factors that are not within our control, including: governmental, business and individuals' actions that have been and continue to be taken in response to the pandemic; general economic uncertainty in global markets and financial market volatility; global economic conditions and levels of economic growth; and the pace of recovery when the COVID-19 pandemic subsides.

Further, COVID-19, and the volatile regional and global economic conditions stemming from the pandemic, could precipitate or aggravate the other risk factors that we identify in this report, any of which could materially adversely impact our business. We also face an increased risk of litigation and governmental and regulatory scrutiny as a result of the effects of

COVID-19 on economic and market conditions. Further, COVID-19 may also affect our business and financial results in ways that are not presently known to us or that we do not currently consider as significant risks to our operations.

If we are unsuccessful at addressing our business challenges, our business and results of operations may be adversely affected and our ability to invest in and grow our business could be limited.

Our business faces many challenges we must address. One set of challenges relates to dynamic and accelerating market trends, which may include declines in the markets in which we operate. For example, a competitive pricing environment and weakened market in certain geographies with associated customer pricing sensitivity has presented market challenges in Printing. A second set of challenges relates to changes in the competitive landscape. Our primary competitors are exerting increased competitive pressure in targeted areas and are entering new markets; our emerging competitors are introducing new technologies and business models; and our alliance partners in some businesses are increasingly becoming our competitors in others. A third set of challenges relates to business model changes and our go-to-market execution. For example, we may fail to develop innovative products and services, maintain the manufacturing quality of our products, manage our global, multi-tier distribution network, limit potential misuse of pricing programs by our channel partners, exclude imitation print supplies from our printers with technological protection measures, adapt to new or changing marketplaces or successfully market new products and services, any of which could adversely affect our business and financial condition. In addition, we currently face, and may face in the future, an unpredictable macroeconomic environment, which may exacerbate these challenges. If we do not succeed in our efforts to mitigate these challenges, or if these efforts are more costly or time-consuming than expected, our business and results of operations may be adversely affected, which could limit our ability to invest in and grow our business.

We operate in an intensely competitive industry and competitive pressures could harm our business and financial performance.

We encounter aggressive competition from competitors in all areas of our business, and our competitors have targeted and are expected to continue targeting our key market segments. We compete on the basis of our technology, innovation, performance, price, quality, reliability, brand, reputation, distribution, range of products and services, ease of use, account relationships, customer training, service and support, security, availability of application software and internet infrastructure offerings, and our sustainability performance. If our products, services, support and cost structure do not enable us to compete successfully, our results of operations, cash flows and business prospects could be harmed.

We have a large portfolio of products and must allocate our financial, personnel and other resources across all of our products while competing with companies that have smaller portfolios or specialize in one or more of our product lines. As a result, we may invest less in certain areas of our business than our competitors, and our competitors may have greater financial, technical and marketing resources available to their products and services compared to the resources allocated to our competing products and services.

Our alliance partners in certain areas may be or may become our competitors in others. In addition, these partners also may acquire or form alliances with our competitors, which could reduce their business with us. If we are unable to effectively manage these complicated relationships with alliance partners, our business and results of operations could be adversely affected.

We face aggressive price competition and may have to continue lowering the prices of many of our products and services to stay competitive, while at the same time trying to maintain or improve our revenue and gross margin. In addition, competitors who have a greater presence in some of the lower-cost markets in which we compete, or who can obtain better pricing, more favorable contractual terms and conditions, and/or more favorable allocations of products and components during periods of limited supply, may be able to offer lower prices than we are able to offer. Our cash flows, results of operations and financial condition may be adversely affected by these and other industry-wide pricing pressures.

Industry consolidation may also affect competition by creating larger, more homogeneous and potentially stronger competitors in the markets in which we operate. Additionally, our competitors may affect our business by entering into exclusive arrangements with our existing or potential customers or suppliers.

Because our business model is based on providing innovative and high-quality products, we may spend a proportionately greater amount of our revenues on research and development than some of our competitors. If we cannot proportionately decrease our cost structure (apart from research and development expenses) on a timely basis in response to competitive price pressures, our gross margin and profitability could be adversely affected. In addition, if our pricing and other facets of our offerings are not sufficiently competitive, or if there is a negative reception to our product decisions, we may lose market share in certain areas, which could adversely affect our financial performance and business prospects.

Even if we are able to maintain or increase market share for a particular product, the financial performance of that product could decline because the product is in a maturing industry or market segment or contains technology that is becoming obsolete. Financial performance could also decline due to increased competition from other types of products. For example, non-original supplies (including imitation, refill or remanufactured alternatives) for some of our LaserJet toner and InkJet cartridges compete with our Printing Supplies business.

Customers are increasingly using online and omnichannel resellers and distributors to purchase our products. These resellers and distributors often sell our products alongside competing products, including non-original print supplies, or they may highlight the availability of lower cost non-original supplies. We expect this competition will continue, and it may negatively impact our financial performance, particularly if large commercial customers purchase competing products instead of HP products.

If we cannot successfully execute our strategy and continue to develop, manufacture and market innovative products and services, our business and financial performance may suffer.

Our strategy is focused on leveraging our existing portfolio of products and services to meet the demands of a changing technological landscape and to offset certain areas of industry decline. To successfully execute this strategy, we must emphasize the aspects of our core business where demand remains strong, identify and capitalize on natural areas of growth, innovate and develop new products and services that will enable us to expand beyond our existing technology categories and adapt to new and changing marketplaces for our products. For example, our go-to-market strategy, including online, omnichannel and contractual sales, needs to evolve with market dynamics, forces and demand. In fiscal year 2020, we created a single commercial organization led by a newly-created chief commercial officer role. If we cannot innovate, develop and execute evolutionary strategies in this changing environment (including our end to end business model in Print), then we may not be able to successfully compete and maintain the value proposition of our products, including supplies. Any failure to successfully execute this strategy, including any failure to invest sufficiently in strategic growth areas, could adversely affect our business, results of operations, cash flows and financial condition. Moreover, the process of developing new high-technology products and services and enhancing existing products and services is complex, costly and uncertain, and any failure by us to anticipate customers' changing needs and emerging technological trends accurately could significantly harm our market share, cash flows, results of operations and financial condition.

To execute our strategy, we must optimize our cost structure, make long-term investments, develop or acquire and appropriately protect intellectual property, and commit significant research and development and other resources before knowing whether our predictions will accurately reflect customer demand for our products and services. Any failure to accurately predict technological and business trends, control research and development costs or execute our strategy could harm our business and financial performance. Our research and development initiatives or other investments may not be successful in whole or in part, including research and development projects which we have prioritized with respect to funding and/or personnel, and our customers may not adopt our new business models.

Our industry is subject to rapid and substantial innovation and technological change. Even if we successfully develop new products and technologies, future products and technologies may eventually supplant ours if we are unable to keep pace with technological advances and end-user requirements and preferences and timely enhance our existing products and technologies or develop new ones. Our competitors may also create products that replace ours. As a result, any of our products and technologies may be rendered obsolete or uneconomical.

After we develop a product, we must be able to manufacture appropriate volumes quickly while also managing costs and preserving or improving margins. To accomplish this, we must accurately forecast volumes, mixes of products and configurations that meet customer requirements, and we may not succeed at doing so within a given product's lifecycle or at all. Any delay in the development, production or marketing of a new product, service or solution could result in us not being among the first to market, which could further harm our competitive position. Moreover, new products and services may not be profitable, and even if they are profitable, operating margins for some new products and businesses may not be as high as the margins we have experienced historically or that we had expected.

If we cannot continue to produce high-quality and secure products and services, our reputation, business and financial performance may suffer.

In the course of conducting our business, we must address quality and security issues associated with our products and services, including defects in our engineering, design and manufacturing processes, unsatisfactory performance under service contracts, and unsatisfactory performance or malicious acts by third-party contractors or subcontractors or their employees. Our business is also exposed to the risk of defects in third-party components included in our products, including security vulnerabilities. In order to address quality and security issues, we work extensively with our customers and suppliers and engage in product testing to determine the causes of problems and to develop and implement effective solutions. However, the products and services that we offer are complex, and our regular testing and quality control efforts may not be completely effective in controlling or detecting all quality and security issues or errors, particularly with respect to defects or security vulnerabilities in components manufactured by third parties.

If we are unable to determine the cause or find an effective solution to address quality or security issues with our products, we may delay shipment to customers, which would delay revenue recognition and receipt of customer payments and could adversely affect our net revenue, cash flows and profitability. We have and may again in the future write off some or all of the value of defective inventory. In addition, after products are delivered, quality and security issues may require us to repair or replace such products. Addressing these issues can be expensive and may result in additional warranty, repair, replacement and other costs, adversely affecting our financial performance. In the event of security vulnerabilities or other issues with third-

party components, we may have to rely on third parties to provide mitigation such as firmware updates. Furthermore, these mitigation techniques may be ineffective or may result in adverse performance, system instability and data loss or corruption. If new or existing customers have difficulty operating our products or are dissatisfied with our services, our results of operations and cash flows could be adversely affected, and we could face possible claims if we fail to meet our customers' expectations. In addition, quality and security issues, including those resulting from defects or security vulnerabilities in third-party components, can impair our relationships with new or existing customers and adversely affect our brand and reputation, which could, in turn, adversely affect our cash flows, results of operations and financial condition.

The net revenue and profitability of our operations have historically varied, which makes our future financial results less predictable.

Our net revenue, gross margin and profit vary among our portfolio of products and services, customer groups and geographic markets and therefore will likely be different in future periods than our current results. Overall gross margins and profitability in any given period are dependent on the product, service, customer and geographic mix reflected in that period's net revenue, which in turn depends on the overall demand for our products and services. For example, a combination of a higher consumer mix within both Personal Systems and Print hardware and lower rate in commercial print negatively impacted gross margin in fiscal 2020. Delays or reductions in spending by our customers or potential customers could have a material adverse effect on demand for our products and services, which could result in a significant decline in net revenue. In addition, net revenue declines in some of our businesses may affect net revenue in our other businesses as we may lose cross-selling opportunities. Competition, lawsuits, investigations, increases in component and manufacturing costs that we are unable to pass on to our customers, increased tariffs, component supply disruptions and other risks affecting our businesses may also have a significant impact on our overall gross margin and profitability. In addition, newer geographic markets can be relatively less profitable due to our investments associated with entering those markets and local pricing pressures, and we can have difficulty establishing and maintaining the operating infrastructure necessary to support the high growth rate associated with some of those markets. Market trends, industry shifts, competitive pressures, commoditization of products, increased component or shipping costs, increased tariffs, regulatory impacts and other factors may result in reductions in revenue or pressure on gross margins in a given period, which may lead to adjustments to our operations. For example, our supplies business has recently experienced declining revenues due to declines in

We depend on third-party suppliers, and our financial results could suffer if we fail to manage our suppliers effectively.

Our operations depend on our ability to anticipate our needs for components, products and services, as well as our suppliers' ability to deliver sufficient quantities of quality components, products and services at reasonable prices and in time for us to meet schedules for the delivery of our products and services. Given the wide variety of products and services we offer, the large and diverse distribution of our suppliers and contract manufacturers, and the long lead times required to manufacture, assemble and deliver certain components and products, problems could arise in production, planning and inventory management and regulatory compliance that could seriously harm our business. Third-party suppliers may have limited financial resources to withstand challenging business conditions, particularly as a result of increased interest rates or emerging market volatility, and our business could be negatively impacted if key suppliers are forced to cease or limit their operations. Due to the international nature of our third-party supplier network, our financial results may also be negatively impacted by increased trade barriers and increased tariffs, which could increase the cost of certain components, products and services that we may not be able to offset. In addition, our ongoing efforts to optimize the efficiency of our supply chain could cause supply disruptions and be more expensive, time-consuming and resource-intensive than expected. Furthermore, certain of our suppliers may decide to discontinue business with us. Other supplier problems that we could face include component shortages, excess supply, risks related to the terms of our contracts with suppliers, risks associated with contingent workers, risks related to supply chain working conditions, human rights and materials sourcing and risks related to our relationships with single-source suppliers, each of which is described below.

• Component shortages. We may experience a shortage of, or a delay in receiving, certain components as a result of strong demand, capacity constraints, supplier financial weaknesses, the inability of suppliers to borrow funds, disputes with suppliers (some of whom are also our customers), disruptions in the operations of component suppliers, other problems experienced by suppliers or problems faced during the transition to new suppliers. For example, we experienced disruptions in our manufacturing and supply chain during the COVID-19 pandemic, which resulted in temporary supply shortages that negatively affected our ability to fulfill demand for Personal Systems and Printing products worldwide. Additionally, our Personal Systems business relies heavily upon OMs to manufacture its products and is therefore dependent upon the continuing operations of those OMs to fulfill demand for our products. We represent a substantial portion of the business of some of these OMs, and any changes to the nature or volume of our business transactions with a particular OM could adversely affect the operations and financial condition of the OM and lead to shortages or delays in receiving products from that OM. If shortages or delays persist, the price of certain components may increase, we may be exposed to quality issues or the components may not be available at all. We may

not be able to secure enough components at reasonable prices or of acceptable quality to build products or provide services in a timely manner in the quantities needed or according to our specifications. Accordingly, our business, cash flows, results of operations and financial condition could suffer if we lose time-sensitive sales, incur additional freight costs or are unable to pass on price increases to our customers. If we cannot adequately address supply issues, we might have to re-engineer some product or service offerings, which could result in further costs and delays.

- Excess supply. In order to secure components for our products or services, we may make advance payments to suppliers or enter into non-cancelable commitments with vendors. In addition, we may purchase components strategically in advance of demand to take advantage of favorable pricing or to address concerns about future availability. If we fail to anticipate customer demand properly, a temporary oversupply could result in excess or obsolete components, which could adversely affect our business and financial performance.
- Contractual terms. As a result of binding long-term price or purchase commitments with vendors, we may be obligated to purchase components or services at prices that are higher than those available in the current market and be limited in our ability to respond to changing market conditions. If we commit to purchasing components or services for prices in excess of the then-current market price, we may be at a disadvantage to competitors who have access to components or services at lower prices, our gross margin could suffer, and we could incur additional charges relating to inventory obsolescence. In addition, many of our competitors obtain products or components from the same OMs and suppliers that we utilize. Our competitors may obtain better pricing, more favorable contractual terms and conditions, and more favorable allocations of products and components during periods of limited supply, and our ability to engage in relationships with certain OMs and suppliers could be limited. The practice employed by our Personal Systems business of purchasing product components and transferring those components to OMs may create large supplier receivables with the OMs that, depending on the financial condition of the OMs, may create collectability risks. In addition, our OMs and suppliers may decide to discontinue business with us. Any of these developments could adversely affect our future cash flows, results of operations and financial condition.
- Contingent workers. We also rely on third-party suppliers for the provision of contingent workers, and our failure to effectively manage our use of such workers could adversely affect our results of operations. We have been exposed to legal claims relating to the status of contingent workers in the past and could face similar claims in the future. We may be subject to shortages, oversupply or fixed contractual terms relating to contingent workers. Our ability to manage the size of, and costs associated with, the contingent workforce may be subject to additional constraints imposed by local laws.
- Working conditions, human rights and materials sourcing. We work with our suppliers to improve their labor practices, working conditions, and respect for human rights, such as by including requirements in our agreements with our suppliers that workers receive fair treatment, safe working conditions and freely chosen employment, that materials are responsibly sourced and that business operations are conducted in a socially and environmentally responsible and ethical way. Brand perception, customer loyalty and legal compliance could be adversely impacted by a supplier's improper practices or failure to comply with the above-mentioned requirements or those included in our Supplier Code of Conduct, General Specification for the Environment and other related provisions and requirements of our procurement contracts, including supplier audits, reporting of smelters, human rights due diligence, wood fiber certification (for HP brand paper and product packaging) and GHG emissions, water and waste data.
- Single-source suppliers. We obtain a significant number of components from single sources due to technology, availability, price, quality or other considerations. For example, we rely on Canon for certain laser printer engines and laser toner cartridges. We also rely on both Intel and AMD to provide us with a sufficient supply of processors for the majority of our PCs and workstations. Some of those processors may be customized for our products. New products that we introduce may utilize custom components obtained from only one source initially until we have evaluated whether there is a need for additional suppliers. Replacing a single-source supplier could delay production of some products as replacement suppliers may be subject to capacity constraints or other output limitations. For some components, such as customized components and some of the processors that we obtain from Intel, or the laser printer engines and toner cartridges that we obtain from Canon, alternative sources either may not exist or may be unable to produce the quantities of those components necessary to satisfy our production requirements. In addition, we sometimes purchase components from single-source suppliers under short-term agreements that contain favorable pricing and other terms but that may be unilaterally modified or terminated by the supplier with limited notice and with little or no penalty. The performance of such single-source suppliers under those agreements (and the renewal or extension of those agreements upon similar terms) may affect the quality, quantity and price of our components. The loss of a single-source supplier, the deterioration of our relationship with a single-source supplier, or any unilateral modification to the contractual terms under which we are supplied components by a single-source supplier could adversely affect our business and financial performance.

If we fail to manage the distribution of our products and services properly, our business and financial performance could suffer.

We use a variety of distribution methods to sell our products and services around the world, including third-party resellers and distributors and both direct and indirect sales to enterprise accounts and consumers. Successfully managing the interaction of our direct sales and indirect channel sales efforts to reach potential customer segments for our products and services is a complex process. Moreover, since each distribution method has distinct risks and gross margins, any failure to implement the most advantageous balance in the delivery model for our products and services could adversely affect our net revenue and gross margins and therefore our profitability and cash flows.

Our financial results could be materially adversely affected due to distribution channel conflicts or if the financial conditions of our channel partners were to weaken. Our results of operations may be adversely affected by any conflicts that might arise between our various distribution channels or the loss or deterioration of any alliance or distribution arrangement or reduced assortments of our products. Moreover, some of our distributors may have insufficient financial resources and may not be able to withstand changes in business conditions, including economic weakness, industry consolidation and market trends. They may also have difficulty selling our products under new business models. Many of our significant distributors operate on narrow margins and have been negatively affected by business pressures in the past. Considerable trade receivables that are not covered by collateral or credit insurance are outstanding with our distribution and retail channel partners. Net revenue from indirect sales could suffer, and we could experience disruptions in distribution, if our distributors' financial conditions, abilities to borrow funds or operations weaken or if our distributors cannot successfully compete in the online or omnichannel marketplace.

Our inventory management is complex, as we continue to sell a significant mix of products through distributors. We must manage both owned and channel inventory effectively, particularly with respect to sales to distributors, which involves forecasting demand and pricing challenges. Our forecasts may not accurately predict demand, and distributors may increase orders during periods of product shortages, cancel orders if their inventory is too high or delay orders in anticipation of new products. Distributors also may adjust their orders in response to the supply of our products and the products of our competitors and seasonal fluctuations in end-user demand. Our reliance upon indirect distribution methods, including a multi-tiered channel, may reduce our visibility into inventories, demand and pricing trends and issues, and therefore make forecasting and managing multi-tiered channel inventory more difficult. Further, if we were to expand direct distribution initiatives, distributors could consider such initiatives to conflict with their business interests and reduce their investment in the distribution and sale of our products, or to cease all sales of our products. Sales of our products by channel partners to unauthorized resellers or unauthorized reseller of unauthorized reseller of unauthorized resellers or unauthorized reseller of our products could also make our forecasting and channel inventory management more difficult and impact pricing in the market. For example, in the past we have had channel partners sell products outside of their agreed territory, and misrepresent sales to unauthorized resellers as sales to end-users, frustrating our efforts to estimate channel inventory and maintain consistent pricing, and negatively impacting gross margins. If we have excess or obsolete inventory, we may have to reduce our prices and write down inventory. Moreover, our use of indirect distribution channels may limit our willingness or ability to adjust prices quickly and otherwise to respond to pricing changes by

In addition, we depend on our channel partners globally to comply with applicable regulatory requirements. To the extent they fail to do so, that could have a material adverse effect on our business, operating results, and financial condition.

Our uneven sales cycle makes planning and inventory management difficult and future financial results less predictable.

Our quarterly sales often have reflected a pattern in which a disproportionate percentage of each quarter's total sales occurs towards the end of the quarter. This uneven sales pattern makes predicting net revenue, earnings, cash flow from operations and working capital for each financial period difficult, increases the risk of unanticipated variations in our quarterly results and financial condition and places pressure on our inventory management and logistics systems. If predicted demand is substantially greater than orders, there may be excess inventory. Alternatively, if orders substantially exceed predicted demand, we may not be able to fulfill all of the orders received in each quarter and such orders may be canceled by the customer. Depending on when they occur in a quarter, developments such as a systems failure, component pricing movements, component shortages or global logistics disruptions could adversely impact our inventory levels, our results of operations and cash flows in a manner that is disproportionate to the number of days in the quarter affected.

We experience some seasonal trends in the sale of our products that also may produce variations in our quarterly results and financial condition. For example, sales to governments (particularly sales to the U.S. government) are often stronger in the third calendar quarter, and many customers whose fiscal year is the calendar year spend their remaining capital budget authorizations in the fourth calendar quarter prior to new budget constraints in the first calendar quarter of the following year. Consumer sales are often higher in the fourth calendar quarter due in part to seasonal holiday demand. European sales are often weaker during the summer months. Demand during the spring and early summer also may be adversely impacted by market anticipation of seasonal trends. Moreover, to the extent that we introduce new products in anticipation of seasonal demand trends, our discounting of existing products may adversely affect our gross margin prior to or shortly after such product

launches. Typically, our fourth fiscal quarter is our strongest by revenues. Many of the factors that create and affect seasonal trends are beyond our control.

Any failure by us to identify, manage and complete acquisitions, divestitures and other significant transactions successfully could harm our financial results, business and prospects.

As part of our business strategy, we may acquire companies or businesses, divest businesses or assets, enter into strategic alliances and joint ventures and make investments to further our business. Risks associated with these transactions include the following, any of which could adversely affect our revenue, gross margin, profitability, cash flows and financial condition:

- Managing these transactions requires varying levels of management resources, which may divert our attention from other business operations.
- We may not fully realize the anticipated benefits of any particular transaction, and the timeframe for realizing the benefits of a particular transaction may depend upon the actions of employees, advisors, suppliers, other third-parties, competition or market trends.
- Certain transactions have resulted, and in the future may result, in significant costs and expenses, including those related to severance pay, early retirement costs, employee benefit costs, goodwill and impairment charges, charges from the elimination of duplicative facilities and contracts, inventory adjustments, assumed litigation and other liabilities, legal, accounting and financial advisory fees, and required payments to executive officers and key employees under retention plans.
- Any increased or unexpected costs, unanticipated delays or failures to meet contractual obligations could make these transactions less profitable than anticipated or unprofitable.
- Our due diligence process may fail to identify significant issues with the acquired company's product quality, financial disclosures, accounting practices or internal controls, including as a result of being dependent on the veracity and completeness of statements and disclosures made or actions taken by third parties.
- The pricing and other terms of our contracts for these transactions require us to make estimates and assumptions at the time we enter into these contracts, and we may not identify all factors necessary to estimate accurately our costs, timing and other matters or we may incur costs if a transaction is not consummated.
- In order to complete a transaction, we may issue common stock, potentially creating dilution for our existing stockholders.
- We may borrow to finance these transactions, and the amount and terms of any such debt, as well as other factors, could affect our liquidity and financial condition.
- These transactions could adversely impact our effective tax rate.
- Any announced transaction may not close on the expected timeframe or at all, which may cause our financial results to differ from expectations in a given
 quarter.
- These transactions may lead to litigation.
- If we fail to identify and successfully complete and integrate transactions that further our strategic objectives, we may be required to expend resources to develop products, services and technology internally, which may put us at a competitive disadvantage.

If there are future decreases in our stock price or significant changes in the business climate or results of operations of our reporting units, we may incur additional charges, which may include impairment charges.

As part of our business strategy, we regularly evaluate the potential disposition of assets and businesses that may no longer help us meet our objectives. When we decide to sell assets or a business, we may have difficulty finding buyers or alternative exit strategies on acceptable terms in a timely manner, which could delay the achievement of our strategic objectives. We may also dispose of a business at a price or on terms that are less desirable than we had anticipated. In addition, we may experience greater dis-synergies than expected, and the impact of the divestiture on our revenue growth may be larger than projected. After reaching an agreement for the acquisition or disposition of a business, we are subject to satisfaction of pre-closing conditions as well as necessary regulatory and governmental approvals on acceptable terms, which, if not satisfied or obtained, may prevent us from completing the transaction. Such regulatory and governmental approvals may be required in jurisdictions around the world, including jurisdictions with opaque regulatory frameworks, and any delays in the timing of such approvals could materially delay the transaction or prevent it from closing.

Integrating acquisitions may be difficult and time-consuming. Any failure by us to integrate acquired companies, products or services into our overall business in a timely manner could harm our financial results, business and prospects.

To pursue our strategy successfully, we have to identify candidates for and successfully complete business combination and investment transactions, some of which may be large or complex, and manage post-closing issues such as the

integration of acquired businesses, products, services or employees. Integrations involve significant challenges and are often time-consuming and expensive and, without proper planning and implementation, could significantly disrupt our business and the acquired business. These challenges include successfully combining product and service offerings; entering or expanding into markets; retaining key employees; integrating employees, facilities, technology, products, processes, operations (including supply and manufacturing operations), sales and distribution channels, business models and business systems; and retaining customers and distributors of the businesses.

We may not achieve some or all of the expected benefits of our restructuring plan and our restructuring may adversely affect our business.

We have undertaken and may undertake in the future restructuring plans in order to realign our cost structure due to the changing nature of our business and to achieve operating efficiencies that we expect to reduce costs, including the plans announced in October 2016 (as amended in May 2018), and the plan announced in October 2019. We began implementing the 2020 restructuring plan in the fourth quarter of fiscal 2019 and expect to complete the restructuring by the end of fiscal 2022. Implementation of any restructuring plan may be costly and disruptive to our business, and we may not be able to obtain the estimated workforce reductions within the projected timing or at all, or the cost savings and benefits that were initially anticipated. We currently plan to invest some of the savings from our 2020 restructuring plan across our businesses, including investing to build our digital capabilities, and if we are unable to obtain the anticipated cost savings, our ability to make those investments and execute our strategy may be negatively impacted. Additionally, as a result of restructuring initiatives, we may experience a loss of continuity, loss of accumulated knowledge and/or inefficiency, adverse effects on employee morale, loss of key employees and/or other retention issues during transitional periods. Reorganization and restructuring can require a significant amount of time and focus, which may divert attention from operating and growing our business. If we fail to achieve some or all of the expected benefits of restructuring, it could have a material adverse effect on our competitive position, business, financial condition, results of operations and cash flows. For more information about our 2020 restructuring plan, see Note 3 to our Consolidated Financial Statements in Item 8.

Our financial performance may suffer if we cannot continue to develop, license or enforce the intellectual property rights on which our businesses depend.

We rely upon patent, copyright, trademark, trade secret and other intellectual property ("IP") laws in the United States, similar laws in other countries, and agreements with our employees, customers, suppliers and other parties, to establish and maintain IP rights in the products and services we sell, provide or otherwise use in our operations. However, our IP rights could be challenged, invalidated, infringed or circumvented, or such IP rights may not be sufficient to permit us to take advantage of current market trends or to otherwise provide competitive advantages, either of which could result in costly product redesign efforts, discontinuance of certain product offerings or other harm to our competitive position. For example, our enforcement of our IP rights of our InkJet printer supplies against infringers may be successfully challenged or our IP rights may be successfully circumvented. Further, the laws of certain countries do not protect proprietary rights to the same extent as the laws of the United States. Therefore, in certain jurisdictions we may be unable to protect our proprietary technology adequately against unauthorized third-party copying or use; this, too, could adversely affect our ability to sell products or services and our competitive position.

In connection with the Separation, Hewlett-Packard Company allocated to each of Hewlett Packard Enterprise and HP the IP assets relevant to their respective businesses. The terms of the Separation also include cross-licenses and other arrangements to provide for certain ongoing use of IP in the existing operations of both businesses. As a result of the allocation of IP as part of the Separation, we no longer own IP allocated to Hewlett Packard Enterprise and our resulting IP ownership position could adversely affect our position and options relating to patent and trademark enforcement, patent licensing and cross-licensing, our ability to sell our products or services, our competitive position in the industry and our ability to enter new product markets.

Our products and services depend in part on IP and technology licensed from third parties.

Some of our business and some of our products rely on key technologies developed or licensed by third parties. We may not be able to obtain or continue to obtain licenses and technologies from these third parties at all or on reasonable terms, or such third parties may demand cross-licenses to our IP. Third-party components may become obsolete, defective or incompatible with future versions of our products, or our relationship with the third party may deteriorate, or our agreements may expire or be terminated. We may face legal or business disputes with licensors that may threaten or lead to the disruption of inbound licensing relationships. In order to remain in compliance with the terms of our licenses, we must monitor and manage our use of third-party components, including both proprietary and open source license terms that may require the licensing or public disclosure of our IP without compensation or on undesirable terms. Additionally, some of these licenses may not be available to us in the future on terms that are acceptable or that allow our product offerings to remain competitive. Our inability to obtain licenses or rights on favorable terms could have a material effect on our business, including our financial condition and results of operations. In addition, it is possible that as a consequence of a merger or acquisition, third parties may obtain licenses to some of our IP rights or our business may be subject to certain restrictions that were not in place prior to such transaction. Because the availability and cost of licenses from third parties depends upon the willingness of third parties to deal with us on the terms we request, there is a risk that third parties who license to our competitors will either refuse to license to us

or refuse to license to us on terms equally favorable to those granted to our competitors. Consequently, we may lose a competitive advantage with respect to these IP rights or we may be required to enter into costly arrangements in order to terminate or limit these rights. Finally, we may rely on third-parties to enforce certain IP rights. For instance, we rely on Canon to enforce IP rights associated with certain LaserJet products. Failure by Canon to do so could impair our ability to protect our market share for those products.

Third-party claims of IP infringement are commonplace in our industry and may limit or disrupt our ability to sell our products and services.

Third parties have in the past claimed, and may in the future claim, that we or customers indemnified by us are infringing upon their IP rights. For example, patent assertion entities may purchase IP assets for the purpose of asserting claims of infringement and attempting to extract settlements. These assertions have increased over time, particularly in the United States. If we cannot or do not license allegedly infringed IP at all or on reasonable terms, or if we are required to substitute technology from another source, our operations could be adversely affected. Even if we believe that IP claims are without merit, they can be time-consuming and costly to defend against and may divert management's attention and resources away from our business. Claims of IP infringement also might require us to redesign affected products, enter into costly settlements or license agreements, pay damage awards, or face a temporary or permanent injunction prohibiting us from importing, marketing or selling certain products. Even if we have an agreement to indemnify us against such costs, the indemnifying party may be unable or unwilling to fulfill its contractual obligations to us. Additionally, claims of IP infringement may adversely impact our brand and reputation and imperil new and existing customer relationships.

Our results of operations and cash flows have been and could continue to be affected by the imposition, accrual and payment of copyright levies or similar fees. In certain countries (primarily in Europe), proceedings are ongoing or have been concluded in which groups representing copyright owners seek to impose upon and collect from us levies upon IT equipment (such as PCs, multifunction devices and printers) alleged to be copying devices under applicable laws. Other such groups have also sought to modify existing levy schemes to increase the amount of the levies that can be collected from us. Other countries that have not imposed levies on these types of devices are expected to extend existing levy schemes, and countries that do not currently have levy schemes may decide to impose copyright levies. The total amount of the copyright levies will depend on the types of products determined to be subject to the levy, the number of units of those products sold during the period covered by the levy, and the per unit fee for each type of product, all of which are affected by several factors, including the outcome of ongoing litigation involving us and other industry participants and possible action by legislative bodies, and could be substantial. Consequently, the ultimate impact of these copyright levies or similar fees, and our ability to recover such amounts through increased prices, remains uncertain.

System security risks, data protection breaches, cyberattacks, system outages and systems integration issues could disrupt our internal operations or services provided to customers, and could reduce our revenue, increase our expenses, damage our reputation and adversely affect our cash flows and stock price.

We are exposed to attacks from individuals and organizations, including malicious computer programmers and hackers, state-sponsored organizations or nation-states, seeking to penetrate our network security and misappropriate or compromise our confidential information or that of third parties, create system disruptions or cause shutdowns. Such attacks may also involve the deployment of viruses, worms, ransomware and other malicious software programs that attack our products or otherwise exploit any security vulnerabilities of our products, or attempt to fraudulently induce our employees, customers, or others to disclose passwords or other sensitive information or unwittingly provide access to our systems or data. In addition, sophisticated hardware and operating system software and applications that we produce or procure from third parties may contain defects in design or manufacture, including "bugs" that could unexpectedly interfere with the operation of the product. Breaches of our facilities, network, or data security could disrupt the security of our systems and business applications, impair our ability to provide services to our customers and protect the privacy of their data, result in product development delays, compromise confidential or technical business information harming our reputation or competitive position, result in theft or misuse of our IP or other assets, require us to allocate more resources to improve technologies, or otherwise adversely affect our business. Additionally, the costs to us to combat cyber or other security problems can be significant, and our efforts to address these problems may not be successful and could result in interruptions, delays, cessation of service and loss of existing or potential customers that may impede our sales, manufacturing, distribution or other critical functions. Media or other reports of perceived security vulnerabilities in our network security, even if nothing has been attempted or occurred, could adversely impact our brand and reputation and materially affect our business. While we have developed and implemented security measures and internal controls designed to protect against cyber and other security problems, such measures cannot provide absolute security and may not be successful in preventing future security breaches. Moreover, these threats are constantly evolving, thereby increasing the difficulty of successfully defending against them or implementing adequate preventative measures. In some instances, we may have no current capability to detect certain vulnerabilities, which may allow them to persist in the environment over long periods of time. In the past, we have experienced data security incidents resulting from unauthorized access to or use of our systems or those of third parties, which to date have not had a material impact on our operations; however, there is no assurance that such impacts will not be material in the future.

We manage and store proprietary information and sensitive or confidential data relating to our business and our customers. Breaches of our security measures or the accidental loss, inadvertent disclosure or unapproved dissemination of proprietary information or sensitive or confidential data about us, our clients or our customers, including the potential loss or disclosure of such information or data as a result of deception, can expose us, our customers or the individuals affected to a risk of loss or misuse of this information, damage our brand and reputation or otherwise harm our business, and result in government enforcement actions and litigation and potential liability for us. For example, the European Union's General Data Protection Regulation ("GDPR") imposes a data protection compliance regime with severe penalties of up to the greater of 4% of worldwide annual turnover and/or €20 million. Additionally, in the United States, California has adopted, and several states are considering adopting, laws and regulations imposing varying obligations regarding the handling of personal data. We also could lose existing or potential customers or incur significant expenses in connection with our customers' system failures or any actual or perceived security vulnerabilities in our products and services. In addition, the cost and operational consequences of implementing further data protection measures could be significant.

Portions of our IT infrastructure, including portions provided by third parties, may experience interruptions, outages, delays or cessations of service or may produce errors in connection with systems integrations, migration work or other causes. Any such events could result in business disruptions and the process of remediating them could be more expensive, time-consuming, disruptive and resource intensive than planned. Such disruptions could adversely impact our ability to fulfill orders and respond to customer requests and interrupt other processes. Delayed sales, lower margins or lost customers resulting from these disruptions could reduce our revenue, increase our expenses, damage our reputation and adversely affect our cash flows and stock price.

Our business and financial performance could suffer if we do not manage the risks associated with our services businesses properly.

The risks that accompany our services businesses differ from those of our other businesses. For example, the success of our services business depends to a significant degree on attracting clients to our services, retaining these clients and maintaining or increasing the level of revenues from these clients. Our standard services agreements are generally renewable at a customer's option and/or subject to cancellation rights, with or without penalties for early termination. We may not be able to retain or renew services contracts with our clients, or our clients may reduce the scope of the services they contract for. Factors that may influence contract termination, non-renewal or reduction include business downturns, dissatisfaction with our services or products attached to services we provide, our retirement or lack of support for our services, our clients selecting alternative technologies to replace us, the cost of our services as compared to the cost of services offered by our competitors, general market conditions or other reasons. We may not be able to replace the revenue and earnings from lost clients or reductions in services. While our services agreements may include penalties for early termination, these penalties may not fully cover our investments in these businesses in the event a client terminates a services agreement early or reduces the scope of the agreement. Our clients could also delay or terminate implementations or use of our services or choose not to invest in additional services from us in the future. In addition, the pricing and other terms of some of our services agreements require us to make estimates and assumptions at the time we enter into these contracts that could differ from actual results. Any increased or unexpected costs or unanticipated delays in connection with the performance of these engagements, including delays caused by factors outside our control, could make these agreements less profitable or unprofitable, which could have an adverse effect on the product margin of our

In order to be successful, we must attract, retain, train, motivate, develop and transition key employees, and failure to do so could seriously harm us.

In order to be successful, we must attract, hire, retain, train, motivate, develop, and deploy qualified executives and other key employees, including those in managerial, technical, development, sales, marketing and IT support positions. Identifying, developing internally or hiring externally, training and retaining qualified executives, engineers and qualified sales representatives are critical to our future, and competition for experienced employees in the IT industry can be intense. In order to attract and retain executives and other key employees, we must provide competitive compensation, including cash- and equity-based compensation. Our equity-based incentive awards may contain conditions relating to our stock price performance and our long-term financial performance that make the future value of those awards uncertain. If the anticipated value of equity-based incentive awards does not materialize, if our equity-based compensation otherwise ceases to be viewed as a valuable benefit, if our total compensation package is not viewed as being competitive, or if we do not obtain the stockholder approval needed to continue granting equity-based incentive awards in the amounts we believe are necessary, our ability to attract, retain and motivate executives and key employees could be weakened. Our employee hiring and retention also depend on our ability to build and maintain a diverse and inclusive workplace culture that enables our employees to thrive. Additionally, changes in immigration policies may impair our ability to recruit and hire technical and professional talent. Our failure to successfully hire executives and key employees or the loss of executives and key employees could have a significant impact on our operations. Further, changes in our management team may be disruptive to our business, and any failure to successfully transition and assimilate key new hires or promoted employees could adversely affect our business and results of operations.

Our business could be negatively impacted as a result of actions by activist stockholders or others.

Recently, HP was the target of a proxy contest and exchange offer by Xerox Holdings Corporation in connection with its unsolicited offer to acquire HP. While Xerox ultimately terminated its offer and withdrew the slate of director candidates it had nominated, if similar actions were taken in the future or we were the target of other activist shareholders in the future, our business could be adversely affected because responding to such actions can be costly and time-consuming, disruptive to our operations and divert the attention of management and our employees. Moreover, such actions may create perceived uncertainties among current and potential customers, clients, suppliers, employees and other constituencies as to our future direction, which could result in lost sales and the loss of business opportunities and make it more difficult to attract and retain qualified personnel and business partners. In addition, actual or perceived actions of activist stockholders may cause significant fluctuations in our stock price that do not necessarily reflect the underlying fundamentals and prospects of our business.

Some anti-takeover provisions contained in our certificate of incorporation and bylaws, as well as provisions of Delaware law, could impair a takeover attempt.

We have provisions in our certificate of incorporation and bylaws each of which could have the effect of rendering more difficult or discouraging an acquisition of HP judged as undesirable by our Board of Directors. These include provisions: authorizing blank check preferred stock, which we could issue with voting, liquidation, dividend and other rights superior to our common stock; limiting the liability of, and providing indemnification to, our directors and officers; specifying that our stockholders may take action only at a duly called annual or special meeting of stockholders and otherwise in accordance with our bylaws and limiting the ability of our stockholders to call special meetings; requiring advance notice of proposals by our stockholders for business to be conducted at stockholder meetings and for nominations of candidates for election to our Board of Directors; and controlling the procedures for conduct of our Board of Directors and stockholder meetings and election, appointment and removal of our directors.

These provisions could deter or delay hostile takeovers, proxy contests and changes in control or our management. As a Delaware corporation, we are also subject to provisions of Delaware law, including Section 203 of the Delaware General Corporation Law, which prevents some stockholders from engaging in certain business combinations without approval of the holders of substantially all our outstanding common stock.

Any provision of our certificate of incorporation or bylaws or Delaware law that has the effect of delaying or deterring a change in control of HP could limit the opportunity for our stockholders to receive a premium for their shares of our stock and also could affect the price that some investors are willing to pay for our stock.

MACROECONOMIC, INDUSTRY AND FINANCIAL RISKS

Global, regional and local economic weakness and uncertainty could adversely affect our business and financial performance.

Our business and financial performance depend on worldwide economic conditions and the demand for technology products and services in the markets in which we compete. Ongoing economic weakness and uncertainty in markets throughout the world have resulted, and may result in the future, in decreased net revenue, gross margin, earnings, growth rates or cash flows and in increased expenses and difficulty in managing inventory levels. Ongoing U.S. federal government spending limits may continue to reduce demand for our products and services from organizations that receive funding from the U.S. government, and could negatively affect macroeconomic conditions in the United States, which could further reduce demand for our products and services. Political developments impacting international trade, including continued uncertainty surrounding Brexit, trade disputes and increased tariffs, particularly between the United States and China, may negatively impact markets and cause weaker macroeconomic conditions or drive political or national sentiment, weakening demand for our products and services.

Economic weakness and uncertainty and political or nationalist sentiment impacting global trade, including the willingness of non-U.S. consumers to purchase goods or services from U.S. corporations, may adversely affect demand for our products and services, may result in increased expenses due to higher allowances for doubtful accounts and potential goodwill and asset impairment charges, and may make it more difficult for us to accurately forecast revenue, gross margin, cash flows and expenses.

We also have experienced, and may experience in the future, gross margin declines in certain businesses, reflecting the effect of items such as competitive pricing pressures and increases in component and manufacturing costs resulting from higher labor and material costs borne by our manufacturers and suppliers that we are unable to pass on to our customers. In addition, our business may be disrupted if we are unable to obtain equipment, parts or components from our suppliers—and our suppliers—due to the insolvency of key suppliers or the inability of key suppliers to obtain credit, or if any of our distributors lack sufficient financial resources to withstand economic weakness.

Continued economic weakness and uncertainty could also cause our expenses to vary materially from our expectations. Any financial turmoil affecting the banking system and financial markets or any significant financial services institution failures could negatively impact our treasury operations, as the financial condition of such parties may deteriorate rapidly and without notice. Poor financial performance of asset markets combined with lower interest rates and the adverse effects of fluctuating currency exchange rates could lead to higher pension and post-retirement benefit expenses. Interest and other expenses could

vary materially from expectations depending on changes in interest rates, borrowing costs, currency exchange rates, costs of hedging activities and the fair value of derivative instruments. There is uncertainty regarding the discontinuation, modification or reform of LIBOR and the implementation of alternative reference rates could result in an increase in our interest expense. Economic downturns also may lead to future restructuring actions and associated expenses.

Due to the international nature of our business, political or economic changes, uncertainty or other factors could harm our business and financial performance.

Approximately 64% of our net revenue for fiscal year 2020 came from outside the United States. In addition, a portion of our business activity is being conducted in emerging markets. Our future business and financial performance could suffer due to a variety of international factors, including:

- ongoing instability or changes in a country's or region's economic, regulatory or political conditions, including inflation, recession, interest rate fluctuations, changes or uncertainty in fiscal or monetary policy, actual or anticipated military or political conflicts, health emergencies or pandemics (such as the COVID-19 pandemic) or any other changes resulting from Brexit;
- longer collection cycles and financial instability among customers, the imposition by governments of additional taxes, tariffs or other restrictions on foreign trade or changes in restrictions on trade between the United States and other countries, including the impact of tariffs between the United States and China on a wide variety of products;
- trade regulations and procedures and actions affecting production, shipping, pricing and marketing of products, including policies adopted by the United States or other countries that may champion or otherwise favor domestic companies and technologies over foreign competitors;
- political or nationalist sentiment impacting global trade, including the willingness of non-U.S. consumers to purchase goods or services from U.S. corporations;
- local labor conditions and regulations, including labor issues faced by specific suppliers and Original Equipment Manufacturers ("OEMs"), or changes to immigration and labor law which may adversely impact our access to technical and professional talent;
- managing a geographically dispersed workforce;
- changes or uncertainty in the international, national or local regulatory and legal environments;
- differing technology standards, customer requirements or levels of protection of intellectual property;
- import, export or other business licensing requirements or requirements relating to making foreign direct investments, which could increase our cost of doing business in certain jurisdictions, prevent us from shipping products to particular countries or markets, affect our ability to obtain favorable terms for components, increase our operating costs or lead to penalties or restrictions;
- stringent privacy and data protection policies, such as the GDPR;
- · changes in tax laws; and
- fluctuations in freight costs, limitations on shipping and receiving capacity, and other disruptions in the transportation and shipping infrastructure at important geographic points of exit and entry for our products and shipments.

The factors described above also could disrupt our product and component manufacturing and key suppliers located outside of the United States. For example, we rely on manufacturers in Taiwan for the production of notebook computers and other suppliers in Asia for product assembly and manufacture.

Beginning in 2018, the United States commenced certain trade actions, including imposing tariffs on certain goods imported from China and other countries, which has resulted in retaliatory tariffs by China and other countries. Additional tariffs imposed by the United States on a broader range of imports, or further retaliatory trade measures taken by China or other countries in response, could increase the cost of our products and the components that go into making them. Tariffs or other trade restrictions could adversely impact our overall gross margin and profitability. Tariffs or other trade-related actions could also disrupt our manufacturing and supply chain, or those of our key suppliers. For example, we rely on manufacturers and suppliers in Asia for the production of notebook computers.

In many countries, particularly in those with developing economies, there are companies that engage in business practices prohibited by laws and regulations applicable to us, such as the Foreign Corrupt Practices Act of 1977, as amended. Although we implement policies, procedures and training designed to facilitate compliance with these laws, our employees, contractors and agents, as well as those of the companies to which we outsource certain of our business operations, may take actions in violation of our policies. Any such violation, even if prohibited by our policies, could have an adverse effect on our business and reputation.

We are exposed to fluctuations in foreign currency exchange rates, which could adversely impact our results.

Currencies other than the U.S. dollar, including the euro, the British pound, Chinese yuan (renminbi) and the Japanese yen, can have an impact on our results as expressed in U.S. dollars. Global economic events, including trade disputes, economic

sanctions and emerging market volatility, and associated uncertainty may cause currencies to fluctuate, which may contribute to variations in our sales of products and services in impacted jurisdictions. For example, the United Kingdom's withdrawal from the European Union (commonly known as "Brexit") has caused significant volatility in currency exchange rates, especially between the U.S. dollar and the British pound, and continued uncertainty regarding the withdrawal may continue to cause exchange rate volatility. In addition, if one or more European countries were to replace the euro with another currency, our sales into such countries, or into Europe generally, would likely be adversely affected until stable exchange rates are established. Because a majority of our revenues are generated outside the United States, fluctuations in foreign currency exchange rates could adversely affect our net revenue growth in future periods. In addition, currency variations can adversely affect margins on sales of our products in countries outside of the United States and products that include components obtained from suppliers located outside of the United States.

From time to time, we may use forward contracts and/or options designated as cash flow hedges to protect against foreign currency exchange rate risks. The effectiveness of our hedges depends on our ability to accurately forecast future cash flows, which is particularly difficult during periods of uncertain demand for our products and services and highly volatile exchange rates. We may incur significant losses from our hedging activities due to factors such as demand volatility. In addition, our hedging activities may be ineffective or may not offset any or more than a portion of the adverse financial impact resulting from currency variations. Losses associated with hedging activities also may impact our revenue, financial condition and, to a lesser extent, our cost of sales.

Business disruptions could seriously harm our future revenue, cash flows and financial condition and increase our costs and expenses.

Our worldwide operations could be disrupted by earthquakes, telecommunications failures, power or water shortages, natural disasters, fires, extreme weather conditions (whether as a result of climate change or otherwise), medical epidemics or pandemics (such as COVID-19) and other natural or man-made disasters or catastrophic events, for which we are predominantly self-insured. Terrorist acts, conflicts or wars, for which we are predominantly uninsured, may also disrupt our worldwide operations. The occurrence of any of these business disruptions could result in significant losses, seriously harm our revenue, profitability, cash flows and financial condition, adversely affect our competitive position, increase our costs and expenses, require substantial expenditures and recovery time in order to fully resume operations, make it difficult or impossible to provide services or deliver products to our customers or to receive components from our suppliers, create delays and inefficiencies in our supply chain and/or result in the need to impose employee travel restrictions. In addition, global climate change may result in certain natural disasters occurring more frequently or with greater intensity, such as drought, wildfires, storms, sea-level rise, and flooding. Our corporate headquarters and a portion of our research and development activities are located in California, and other critical business operations and some of our suppliers are located in California and Asia, near major earthquake faults known for seismic activity. The manufacture of product components, the final assembly of our products and other critical operations are concentrated in certain geographic locations. We also rely on major logistics hubs primarily in Asia to manufacture and distribute our products, and primarily in the southwestern United States to import products into North and South America. Our operations and those of our significant suppliers and distributors could be adversely affected if manufacturing, logistics or other operations in these locations are disrupted for any reason, such as those described above or other economic, business, labor, environmental, public health, regulatory or political issues. The ultimate impact on us, our significant suppliers, our distributors and our general infrastructure of being located near locations more vulnerable to the occurrence of the aforementioned business disruptions and being consolidated in certain geographical areas is unknown and remains uncertain. Even if our operations are unaffected or recover quickly, if our customers cannot timely resume their own operations due to a catastrophic event, they may reduce or cancel their orders, or these events could otherwise result in a decrease in demand for our products, which may adversely affect our results of operations.

Failure to maintain our credit ratings could adversely affect our liquidity, capital position, borrowing costs and access to capital markets.

Our credit risk is evaluated by the major independent rating agencies. Past downgrades of Hewlett-Packard Company's ratings increased the cost of borrowing under our credit facilities and reduced market capacity for our commercial paper. Future downgrades could have the same effect, and could also require the posting of additional collateral under some of our derivative contracts. We cannot be assured that we will be able to maintain our current credit ratings, and any additional actual or anticipated changes or downgrades in our credit ratings, including any announcement that our ratings are under further review for a downgrade, may further impact us in a similar manner and may have a negative impact on our liquidity, capital position and access to capital markets.

Our level of indebtedness and related debt service obligations could adversely affect our business and financial condition.

As of October 31, 2020, we had an aggregate of \$6.2 billion of outstanding indebtedness that will mature between fiscal year 2021 and fiscal year 2041 and we had availability under our revolving credit facility of \$4.0 billion, availability under our 364-day revolving credit facility of \$1.0 billion, and \$725 million available from uncommitted lines of credit. We may also incur additional indebtedness in the future. Our debt level and related debt service obligations could have the effect, among other things, of reducing our flexibility to respond to changing business and economic conditions, and reducing funds available for working capital, capital expenditures, dividend repayments, acquisitions, and other general corporate purposes. Moreover,

our indebtedness increases our vulnerability to general adverse economic and industry conditions. Further, we may be required to raise additional financing for working capital, capital expenditures, debt service obligations, debt refinancing, future acquisitions or other general corporate purposes. Our ability to arrange additional financing or refinancing will depend on, among other factors, our financial position and performance, as well as prevailing market conditions and other factors beyond our control, and could be adversely impacted by our debt level. Consequently, we may not be able to obtain additional financing or refinancing on terms acceptable to us, which could adversely impact our ability to service our outstanding indebtedness or to repay our outstanding indebtedness as it becomes due and adversely impact our business and financial condition. Additionally, further borrowings may increase the risk of a future downgrade in our credit ratings, which could increase future debt costs and limit the future availability of debt financing.

We make estimates and assumptions in connection with the preparation of our Consolidated Financial Statements, and any changes to those estimates and assumptions could adversely affect our results of operations.

In connection with the preparation of our Consolidated Financial Statements, we use certain estimates and assumptions based on historical experience and other factors. Our most critical accounting estimates are described in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations" in Item 7 of this report. For example, we make significant estimates and assumptions when accounting for revenue recognition, taxes on earnings and restructuring and other charges. In addition, as discussed in Note 14 to the Consolidated Financial Statements, we make certain estimates, including decisions related to provisions for legal proceedings and other contingencies. While we believe that these estimates and assumptions are reasonable under the circumstances, they are subject to significant uncertainties, some of which are beyond our control. Should any of these estimates and assumptions change or prove to have been incorrect, it could adversely affect our results of operations and financial condition.

LEGAL AND REGULATORY RISKS

Our business is subject to various federal, state, local and foreign laws and regulations that could result in costs or other sanctions that adversely affect our business and results of operations and cash flows.

We are subject to various federal, state, local and foreign laws and regulations. There can be no assurance that such laws and regulations will not be changed in ways that will require us to modify our business models and objectives or affect our returns on investments by restricting existing activities and products, subjecting them to escalating costs or prohibiting them outright. For example, we are subject to environmental laws, regulations and standards, including laws addressing the discharge of pollutants into the air and water, the management and disposal of hazardous substances and wastes, the clean-up of contaminated sites, the content of our products and the recycling, reuse, treatment and disposal of our products, including print supplies and batteries. In particular, we face increasing complexity in our product design and procurement operations as we adjust to new and future requirements relating to the chemical and materials composition of our products, their safe use, the energy consumption associated with those products, climate change laws and regulations, and product repairability, reuse and takeback legislation. If we were to violate or become liable under environmental laws or if our products become non-compliant with environmental laws, we could incur substantial costs or face other sanctions, which may include restrictions on our products entering certain jurisdictions. Our potential exposure includes fines and civil or criminal sanctions, third-party property damage, personal injury claims and clean-up costs. Further, liability under some environmental laws relating to contaminated sites can be imposed retroactively, on a joint and several basis, and without any finding of noncompliance or fault. The amount and timing of costs to comply with environmental laws are difficult to predict. Moreover, we are expected to become increasingly subject to laws, regulations and international treaties relating to climate change, such as carbon pricing or product energy efficiency requirements. As these

We are subject to risks associated with litigation and regulatory proceedings.

We face legal claims or regulatory matters involving stockholder, consumer, competition, commercial, IP, employment, and other issues on a global basis. There is an increasingly active litigation and regulatory environment, including but not limited to employment and patent-monetization claims in the United States and litigation and regulatory matters focused on consumer protection, privacy, and competition regulation globally. As described in Note 14, "Litigation and Contingencies" to the Consolidated Financial Statements in Item 8, we are engaged in a number of litigation and regulatory matters that may have a material adverse impact on our business, financial condition, cash flows or results of operations, if decided adversely to or settled by us. Litigation and regulatory proceedings are inherently uncertain, and adverse rulings have occurred and may occur, including awards of monetary damages, imposition of fines, issuance of injunctions or cease-and-desist orders directing us to cease engaging in certain business practices, cease manufacturing or selling certain products, requiring the compulsory licensing of patents, or requiring other remedies. An unfavorable outcome may result in a material adverse impact on our business, financial condition, cash flows or results of operations. In addition, regardless of the outcome, litigation and regulatory proceedings can be costly, time-consuming, disruptive to our operations, and distracting to management.

Failure to comply with our customer contracts or government contracting regulations could adversely affect our business and financial performance.

Our contracts with our customers may include unique and specialized performance requirements. In particular, our contracts with federal, state, provincial and local governmental customers are subject to procurement regulations, contract provisions and other requirements relating to their formation, administration and performance. Any failure by us to comply with the specific provisions in our customer contracts or any violation of government contracting regulations could result in the imposition of civil and criminal penalties, which may include termination of contracts, forfeiture of profits, suspension of payments and, in the case of our government contracts, fines and suspension from future government contracting. Such failures could also cause reputational damage to our business. In addition, Hewlett-Packard Company has in the past been, and we may in the future be, subject to qui tam litigation brought by private individuals on behalf of the government relating to our government contracts, which could include claims for treble damages. Further, any negative publicity related to our customer contracts or any proceedings surrounding them, regardless of its accuracy, may damage our business by affecting our ability to compete for new contracts. Additionally, some of our agreements with governmental customers may be subject to periodic funding approval. Funding reductions or delays could adversely impact public sector demand for our products and services. If our customer contracts are terminated, if we are suspended or disbarred from government work, or if our ability to compete for new contracts is adversely affected, our financial performance could suffer.

Unanticipated changes in our tax provisions, the adoption of new tax legislation or exposure to additional tax liabilities could affect our financial performance.

We are subject to income and other taxes in the United States and various foreign jurisdictions. Our tax liabilities are affected by the amounts we charge in intercompany transactions for inventory, services, licenses, funding and other items. We are subject to ongoing tax audits in various jurisdictions. Tax authorities may disagree with these intercompany transactions or other matters and may assess additional taxes or adjust taxable income on our tax returns as a result. We regularly assess the likely outcomes of these audits in order to determine the appropriateness of our tax provision. However, we may not accurately predict the outcomes of these audits, and the amounts ultimately paid upon resolution of audits could be materially different from the amounts previously included in our income tax expense and therefore could have a material impact on our tax provision, net income and cash flows.

Our effective tax rate in the future could be adversely affected by changes to our operating structure, changes in the mix of earnings in countries with differing statutory tax rates, changes in the valuation of deferred tax assets and liabilities or changes in tax laws or in their interpretation or enforcement. In addition, tax legislation has been introduced or is being considered in various jurisdictions that could significantly impact our tax rate, the carrying value of deferred tax assets, or our deferred tax liabilities. Any of these changes could affect our financial performance.

RISKS RELATED TO THE SEPARATION

We or Hewlett Packard Enterprise may fail to perform under the transaction agreements executed as part of the Separation.

In connection with the Separation, we and Hewlett Packard Enterprise entered into several agreements, including among others a separation and distribution agreement and an employee matters agreement. The separation and distribution agreement and employee matters agreement determine the allocation of assets and liabilities between the companies following the Separation for those respective areas and include any necessary indemnifications related to liabilities and obligations. Hewlett Packard Enterprise has spun off or separated certain of its businesses since the Separation, and some of its obligations under these and other agreements have transferred to the successor entities. We will rely on Hewlett Packard Enterprise or its successor entities to satisfy their performance and payment obligations under these agreements. If Hewlett Packard Enterprise or its successor entities are unable to satisfy their obligations under these agreements, we could incur operational difficulties or losses that could have a material and adverse effect on our business, financial condition and results of operations.

ITEM 1B. Unresolved Staff Comments.

None.

ITEM 2. Properties.

As of October 31, 2020, we owned or leased approximately 19.0 million square feet of space worldwide, a summary of which is provided below.

	Fiscal year ended October 31, 2020						
	Owned	Leased	Total				
	(square feet in millions)						
Administration and support	2.0	6.4	8.4				
(Percentage)	24 %	76 %	100 %				
Core data centers, manufacturing plants, research and development facilities and warehouse							
operations	2.6	6.7	9.3				
(Percentage)	28 %	72 %	100 %				
Total(1)	4.6	13.1	17.7				
(Percentage)	26 %	74 %	100 %				

⁽¹⁾ Excludes 1.3 million square feet of vacated space, of which 0.8 million square feet is leased to third parties.

We believe that our existing properties are in good condition and are suitable for the conduct of our business. Each of our segments Personal Systems, Printing and Corporate Investments uses each of the properties at least in part, and we retain the flexibility to use each of the properties in whole or in part for each of the segments.

Principal Executive Offices

Our principal executive offices, including our global headquarters, which we lease, are located at 1501 Page Mill Road, Palo Alto, California, United States.

Headquarters of Geographic Operations

The locations of our geographic headquarters are as follows:

Americas
Palo Alto, United States

Europe, Middle East, Africa Geneva, Switzerland Asia Pacific Singapore

Product Development and Manufacturing

The locations of our major product development, manufacturing, data centers and HP Labs facilities are as follows:

Americas

United States—Corvallis, San Diego, Boise, Vancouver, Spring, Fort Collins, Aguadilla, Puerto Rico

Asia Pacific

China—Weihai, Chongqing, Shanghai

India—Pantnagar, Bangalore

Malaysia—Penang

Singapore-Singapore

South Korea-Suwon

Taiwan—Taipei

Europe, Middle East, Africa

Israel—Kiryat-Gat, Rehovot, Netanya

Spain—Barcelona

Technology office (HP Labs)

United Kingdom-Bristol

United States-Palo Alto

ITEM 3. Legal Proceedings.

Information with respect to this item may be found in Note 14, "Litigation and Contingencies" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

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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.

Our common stock is traded on the New York Stock Exchange under the symbol HPQ.

For information about dividends, see Item 6, "Selected Financial Data" and Note 12, "Stockholders' Deficit" to the Consolidated Financial Statements in Item 8.

As of November 30, 2020, there were approximately 56,084 stockholders of record.

Recent Sales of Unregistered Securities

There were no unregistered sales of equity securities in fiscal year 2020.

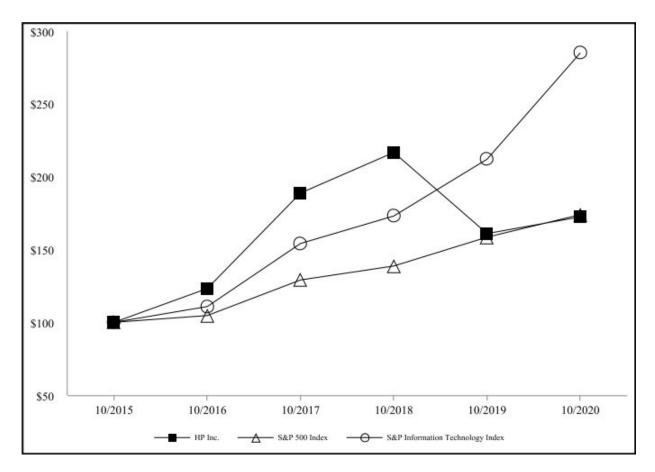
Issuer Purchases of Equity Securities

	Total Number of Shares Purchased		Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet Be Purchased under the Plans or Programs			
Period								
August 2020	18,993	\$	18.18	18,993	\$	13,673,430		
September 2020	24,274	\$	19.08	24,274	\$	13,210,200		
October 2020	27,767	\$	19.11	27,767	\$	12,679,450		
Total	71,034			71,034				

The Company's share repurchase program, which does not have a specific expiration date, authorizes repurchases in the open market or in private transactions. On February 22, 2020, HP's Board of Directors increased HP's remaining share repurchase authorization to \$15.0 billion in total. HP intends to repurchase shares opportunistically as part of a robust share repurchase program. HP expects to continue share repurchases at an elevated level of at least \$1.0 billion per quarter in the coming quarters, unless higher return opportunities emerge. All share repurchases settled in the fourth quarter of fiscal year 2020 were open market transactions. As of October 31, 2020, HP had approximately \$12.7 billion remaining under the share repurchase authorizations.

Stock Performance Graph and Cumulative Total Return

The graph below shows the cumulative total stockholder return assuming the investment of \$100 at the market close on October 31, 2015 (and the reinvestment of dividends thereafter) in each of HP common stock, the S&P 500 Index, and the S&P Information Technology Index. The comparisons in the graph below are based on historical data and are not indicative of, or intended to forecast, future performance of our common stock.



	10/15	10/16			10/17	10/18	10/19	10/20		
HP Inc. ⁽¹⁾	\$ 100.00	\$	123.10	\$	188.69	\$ 216.50	\$ 160.83	\$	172.49	
S&P 500 Index	\$ 100.00	\$	104.50	\$	129.19	\$ 138.66	\$ 158.52	\$	173.89	
S&P Information Technology Index	\$ 100.00	\$	110.83	\$	154.00	\$ 172.95	\$ 212.01	\$	285.12	

⁽¹⁾ Historical stock prices of HP Inc. prior to the Separation, which occurred on November 1, 2015, have been adjusted to reflect the impact of the Separation. The adjustment was established using the conversion ratio based on the market value of stock on the Separation close at October 31, 2015.

ITEM 6. Selected Financial Data.

The information set forth below is not necessarily indicative of results of future continuing operations and should be read in conjunction with Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the Consolidated Financial Statements and notes thereto included in Item 8, "Financial Statements and Supplementary Data" of this Annual Report on Form 10-K, which are incorporated herein by reference, in order to understand further the factors that may affect the comparability of the financial data presented below.

HP INC. AND SUBSIDIARIES Selected Financial Data

		For the fiscal years ended October 31									
	<u> </u>	2020	2020 20			2018		2017		2016	
				In millio	ns, except per share an			amounts			
Net revenue	\$	56,639	\$	58,756	\$	58,472	\$	52,056	\$	48,238	
Earnings from continuing operations	\$	3,462	\$	3,877	\$	3,831	\$	3,368	\$	3,549	
Net loss from discontinued operations net of taxes	\$	_	\$	_	\$	_	\$	_	\$	(170)	
Net earnings	\$	2,844	\$	3,152	\$	5,327	\$	2,526	\$	2,496	
Net earnings per share:											
Basic											
Continuing operations	\$	2.01	\$	2.08	\$	3.30	\$	1.50	\$	1.54	
Discontinued operations	\$	_	\$	_	\$	_	\$	_	\$	(0.10)	
Total basic net earnings per share	\$	2.01	\$	2.08	\$	3.30	\$	1.50	\$	1.44	
Diluted											
Continuing operations	\$	2.00	\$	2.07	\$	3.26	\$	1.48	\$	1.53	
Discontinued operations		_		_		_	\$	_	\$	(0.10)	
Total diluted net earnings per share	\$	2.00	\$	2.07	\$	3.26	\$	1.48	\$	1.43	
Cash dividends declared per share	\$	0.70	\$	0.64	\$	0.56	\$	0.53	\$	0.50	
At year-end:											
Total assets	\$	34,681	\$	33,467	\$	34,622	\$	32,913	\$	28,987	
Long-term debt ⁽¹⁾	\$	5,543	\$	4,780	\$	4,524	\$	6,747	\$	6,735	

⁽¹⁾ The increase in Long-term debt in fiscal year 2020 was due to issuance of unsecured senior debt of \$3.0 billion in aggregate principal amount partially offset by payment of \$1.6 billion for the repurchase and redemption of existing notes. The decrease in Long-term debt in fiscal year 2018 was due to the payment for the repurchase of approximately \$1.85 billion in aggregate principal amount of U.S. Dollar Global Notes.

Management's Discussion and Analysis of Financial Condition and Results of Operations

ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.

This Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") is organized as follows:

- Overview. A discussion of our business and other highlights affecting the company to provide context for the remainder of this MD&A.
- Critical Accounting Policies and Estimates. A discussion of accounting policies and estimates that we believe are important to understanding the
 assumptions and judgments incorporated in our reported financial results.
- Results of Operations. An analysis of our financial results comparing fiscal year 2020 to fiscal year 2019 and fiscal year 2019 to fiscal year 2018. A discussion of the results of operations is followed by a more detailed discussion of the results of operations by segment.
- Liquidity and Capital Resources. An analysis of changes in our cash flows and a discussion of our liquidity and financial condition.
- Contractual and Other Obligations. An overview of contractual obligations, retirement and post-retirement benefit plan contributions, cost-saving plans, uncertain tax positions and off-balance sheet arrangements.

The discussion of financial condition and results of our operations that follows provides information that will assist the reader in understanding our Consolidated Financial Statements, the changes in certain key items in those financial statements from year to year, and the primary factors that accounted for those changes, as well as how certain accounting principles, policies and estimates affect our Consolidated Financial Statements. This discussion should be read in conjunction with our Consolidated Financial Statements and the related notes that appear elsewhere in this document.

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

OVERVIEW

We are a leading global provider of personal computing and other access devices, imaging and printing products, and related technologies, solutions, and services. We sell to individual consumers, SMBs and large enterprises, including customers in the government, health, and education sectors. We have three reportable segments: Personal Systems, Printing and Corporate Investments. The Personal Systems segment offers commercial and consumer desktop and notebook PCs, workstations, thin clients, commercial mobility devices, retail POS systems, displays and other related accessories, software, support, and services. The Printing segment provides consumer and commercial printer hardware, supplies, solutions and services, as well as scanning devices. Corporate Investments include HP Labs and certain business incubation and investment projects.

- In Personal Systems, our strategic focus is on profitable growth through innovation and market segmentation. This focus is with respect to enhanced innovation in multi-operating systems, multi-architecture, geography, customer segments and other key attributes. Additionally, we are investing in endpoint services and solutions. We are focused on services, including Device as a Service, as the market begins to shift to contractual solutions. We are driving innovation to enable productivity and collaboration as near-term demand continues for work from home and distance learning as the PC has become an essential tool to create, consume and collaborate. We believe that we are well positioned due to our competitive product lineup.
- In Printing, our strategic focus is on contractual solutions to serve consumers, SMBs and large enterprises through our Instant Ink Services and Managed Print Services ("MPS") offerings, providing digital printing solutions for graphics segments and applications including commercial publishing, labels, packaging and textiles; as well as expanding our footprint in the 3D printing across digital manufacturing and strategic applications.

We continue to experience challenges that are representative of trends and uncertainties that may affect our business and results of operations. One set of challenges relates to dynamic market trends, such as forecasted declining home printing markets. A second set of challenges relates to changes in the competitive landscape. Our primary competitors are exerting competitive pressure in targeted areas and are entering new markets, our emerging competitors are introducing new technologies and business models, and our alliance partners in some businesses are increasingly becoming our competitors in others. A third set of challenges relates to business model changes and our go-to-market execution in an evolving distribution and reseller landscape, with increasing online and omnichannel presence. Additional challenges we face at the segment level are set forth below.

- · In Personal Systems, we face challenges with industry component availability and a competitive pricing environment.
- In Printing, a competitive pricing environment, including from non-original supplies (which includes imitation, refill or remanufactured alternatives), and a weakened market in certain geographies with associated pricing sensitivity of our customers present challenges. We also obtain many Printing components from single sources due to technology, availability, price, quality or other considerations. For instance, we source the majority of our A4 and a portion of our A3 portfolio of laser printer engines and laser toner cartridges from Canon. Any decision by either party to not renew our agreement with Canon or to limit or reduce the scope of the agreement could adversely affect our net revenue from LaserJet products; however, we have a long-standing business relationship with Canon and anticipate renewal of this agreement.

Our business and financial performance also depend significantly on worldwide economic conditions. Accordingly, we face global macroeconomic challenges, particularly in light of the effects of the COVID-19 pandemic as discussed below, tariff-driven headwinds, uncertainty in the markets, volatility in exchange rates and evolving dynamics in the global trade environment. The full impact of these and other global macroeconomic challenges on our business cannot be known at this time.

To address these challenges, we continue to pursue innovation with a view towards developing new products and services aligned with generating market demand and meeting the needs of our customers and partners. In addition, we continue to work on improving our operations and adapting our business models, with a particular focus on enhancing our end-to-end processes, analytics and efficiencies. We also continue to work on optimizing our sales coverage models, aligning our sales incentives with our strategic goals, improving channel execution and inventory management, strengthening our capabilities in our areas of strategic focus, strengthening our pricing discipline, and developing and capitalizing on market opportunities.

Specifically, in October 2019, we announced cost-reduction and operational efficiency initiatives intended to simplify the way we work, move closer to our customers and facilitate specific investment in our business. These were further updated in February 2020. These efforts included transforming our operating model to integrate our sales force into a single commercial organization and reducing structural costs across the Company through our restructuring plan approved in September 2019 (the "Fiscal 2020 Plan"). We expect to invest some of the savings from these efforts across our businesses, including investing to

Management's Discussion and Analysis of Financial Condition and Results of Operations

build our digital capabilities. Over time, we expect these investments will make us more efficient and allow us to advance our positions in Personal Systems and Printing, while also disrupting new industries where we see attractive medium to long-term growth opportunities. However, the rate at which we are able to invest in our business and the returns that we are able to achieve from these investments will be affected by many factors, including the efforts to address the execution, industry and macroeconomic challenges facing our business as discussed above. As a result, we may experience delays in the anticipated timing of activities related to these efforts, and the anticipated benefits of these efforts may not materialize.

We typically experience higher net revenues in our fourth quarter compared to other quarters in our fiscal year due in part to seasonal holiday demand. Historical seasonal patterns should not be considered reliable indicators of our future net revenues or financial performance.

Our COVID-19 Response

In late 2019, COVID-19 was first identified, and in March 2020, the World Health Organization declared the outbreak of COVID-19 to be a pandemic. The rapid spread of COVID-19 prompted governments and businesses to take unprecedented measures in response, including restrictions on travel and business operations, temporary closures of businesses, and quarantines and shelter-in-place orders.

As reflected in the discussions that follow, the COVID-19 pandemic and the actions taken by governments, businesses and individuals in response to the pandemic have had a variety of impacts on our results of operations and cash flows for the fiscal year ended October 31, 2020, some of which have been significant. This section summarizes our response to the significant impacts that we have experienced to date, and we have also included additional details as applicable throughout other sections of this report. We continue to actively monitor the situation and review our plans based on the requirements and recommendations of federal, state, and local authorities.

- Our employees. We have been focused on protecting the health and safety of our employees during the COVID-19 pandemic, and we quickly pivoted the vast majority of our employees to work from home as a safety measure in the second quarter of fiscal year 2020. These arrangements have been designed to allow for continued operation of non-production business-critical functions, including financial reporting systems and internal controls. In the third quarter of fiscal year 2020, we implemented a one-time work-from-home reimbursement program for employees to improve their workspaces. For those in manufacturing and other critical functions that could not transition to a remote model, we quickly implemented safety and hygiene training and protocols, such as physical distancing, safety gear mandates, site visitor restrictions, alternate staffing shifts, and enhanced cleaning and sanitization practices, to protect the employees in our labs or manufacturing and production facilities. We have also implemented contact tracing initiatives.
- Our community. We are committed to taking actions to protect the communities we serve. We are also putting our resources behind efforts to support local communities and to assist in the public health response. We have donated millions of dollars in technology and support across Personal Systems and Printing to help students, families, and communities, including hospitals in affected areas.
 - The HP 3D Printing team and Digital Manufacturing team is working with its global digital manufacturing community to mobilize 3D printing teams, technology, experience and production capacity to help deliver critical parts in the effort to battle the COVID-19 pandemic. Along with our partners and customers, we have produced more than 4 million 3D printed parts for face shields, respirators, nasal swabs, and other items for distribution to hospitals.
 - We have donated HP BioPrinters and associated supply cassettes, free of charge, to research laboratories in the US and Europe to help accelerate drug and vaccine research to combat COVID-19.
 - In April 2020, HP Puerto Rico kicked off large-scale manufacturing of much-needed hand sanitizer and has since delivered about 55,000 liters to local hospitals, police stations, nursing homes, fire stations, medical and wellness service providers and HP's Customer Service facilities, as well as to select sites in the US.
 - We made HP Sure Click Pro security software freely available through September 2020 to help protect against cyber threats for both HP and non-HP Windows 10 PCs as a large portion of the population is currently working from home.
 - We have committed to donating millions of dollars in products and grants to support blended learning in local communities impacted by COVID-19 around the globe as a large portion of the world's students are currently learning from home.
- Our customers and partners. We are committed to our customers and partners and to meeting their needs. We have taken meaningful actions to remain close to our customers and partners, including implementing a variety

Management's Discussion and Analysis of Financial Condition and Results of Operations

of relief initiatives to help them navigate their operational and financial challenges. We had provided a variety of financing and leasing options for end customers. We had provided short-term market and country-specific incentives for partners. HP has implemented a more predictable, flat-rate incentive program and relaxed compensation models, and has also expanded its virtual engagement options, including free access to cybersecurity support and on-demand training. Partners can opt in for customized online digital learning paths designed to meet their specific priorities. We are also introducing programs, designed to enable our customers and partners to adapt to the current work environment, such as the HP Managed Print Cloud Services and the HP Flexworker Solutions program.

- Supply chain. For the fiscal year ended October 31, 2020, we experienced disruptions in our manufacturing and supply chain. This included temporary factory closures in China and Southeast Asia that impacted our own factories as well as those of our suppliers and outsourcing partners, resulting in higher costs and temporary supply shortages. Manufacturing capacity returned largely to normalized levels by the end of fiscal year 2020. During the fourth quarter of fiscal year 2020, we managed through ongoing logistics and industrywide component availability challenges due to strong demand.
- **Demand.** COVID-19 has created new and different demand dynamics in the market. This is creating both challenges and opportunities across our businesses and geographies. In Personal Systems, we saw increased demand globally as the focus moved to keeping people connected, productive and secure and it reemphasized the essential role that the PC plays in everyday life. We also saw a mix shift in demand from Commercial to Consumer, Desktops to Notebooks driven by strength in Chromebooks and Education. In Printing, we saw a slowdown in Office and Graphics as offices remain closed and large events continue to be canceled. In the fourth quarter of fiscal 2020, we saw some progress in Commercial print driven by improved performance in the SMBs sector. We expect a gradual recovery in the overall Commercial print market although that recovery may be uneven given the varying pace of economic recovery and the resurgence of COVID-19 cases in some countries. We also continue to see increased demand for hardware and ink supplies on the Consumer Printing side as customers set up home office for remote working and school environment for remote learning. We expect that the strength in Consumer Printing will gradually subside when more offices and schools reopen.
- Liquidity. The extent and duration of the disruption from the COVID-19 pandemic remain uncertain. As a result, our liquidity and working capital needs may be impacted in future periods. We believe that our businesses are strong cash flow generators and we maintain a strong balance sheet to meet our liquidity needs. We believe our current cash and cash equivalents, cash flow from operating activities, available commercial paper authorization, new borrowings, and our credit facilities will be sufficient to meet our operating cash requirements, planned capital expenditures, interest and principal payments on all borrowings, pension and post-retirement funding requirements, authorized share repurchases and annual dividend payments for the foreseeable future.

The full extent of the impact of the COVID-19 pandemic on our business, results of operations, cash flows and financial position is currently uncertain and will depend on many factors that are not within our control, including, but not limited to: the duration and scope of the pandemic; the effectiveness of actions taken to contain or mitigate the pandemic and prevent or limit any reoccurrence; governmental, business and individuals' actions that have been and continue to be taken in response to the pandemic; general economic uncertainty in key global markets and financial market volatility; global economic conditions and levels of economic growth; and the pace of recovery when the COVID-19 pandemic subsides. See the section entitled "Risk Factors" in Item 1A in this Annual Report on Form 10-K for further information about related risks and uncertainties.

Unsolicited Exchange Offer

On March 2, 2020, Xerox Holdings Corporation ("Xerox") commenced an unsolicited exchange offer for all outstanding shares of HP's common stock (the "Offer"). Xerox had also previously nominated candidates for election to HP's Board of Directors at HP's 2020 annual meeting of stockholders. On March 31, 2020, Xerox announced that the Offer had been terminated and subsequently withdrew its slate of director nominees. In order to respond to Xerox's actions, HP incurred certain costs during the year ended October 31, 2020.

For a further discussion of trends, uncertainties and other factors that could impact our operating results, see the section entitled "Risk Factors" in Item 1A in this Annual Report on Form 10-K.

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CRITICAL ACCOUNTING POLICIES AND ESTIMATES

General

The Consolidated Financial Statements of HP are prepared in accordance with United States ("U.S.") generally accepted accounting principles ("GAAP"), which require management to make estimates, judgments and assumptions that affect the reported amounts of assets, liabilities, net revenue and expenses, and the disclosure of contingent liabilities. As of October 31, 2020, the impact of COVID-19 on our business continued to unfold. As a result, many of our estimates and assumptions required increased judgment and may carry a higher degree of variability and volatility. As events continue to evolve and additional information becomes available, our estimates may change in future periods. Management bases its estimates on historical experience and on various other assumptions that it believes to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying amount of assets and liabilities that are not readily apparent from other sources. Management has discussed the development, selection and disclosure of these estimates with the Audit Committee of HP's Board of Directors. Management believes that the accounting estimates employed and the resulting amounts are reasonable; however, actual results may differ from these estimates. Making estimates and judgments about future events is inherently unpredictable and is subject to significant uncertainties, some of which are beyond our control. Should any of these estimates and assumptions change or prove to have been incorrect, it could have a material impact on our results of operations, financial position and cash flows.

A summary of significant accounting policies is included in Note 1, "Overview and Summary of Significant Accounting Policies" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference. An accounting policy is deemed to be critical if it requires an accounting estimate to be made based on assumptions about matters that are highly uncertain at the time the estimate is made, if different estimates reasonably could have been used, or if changes in the estimate that are reasonably possible could materially impact the financial statements. Management believes the following critical accounting policies reflect the significant estimates and assumptions used in the preparation of the Consolidated Financial Statements.

Revenue Recognition

We recognize revenue depicting the transfer of promised goods or services to customers in an amount that reflects the consideration to which we are expected to be entitled in exchange for those goods or services. We evaluate customers' ability to pay based on various factors like historical payment experience, financial metrics and customer credit scores.

We enter into contracts to sell our products and services, and while many of our sales contracts contain standard terms and conditions, there are contracts which contain non-standard terms and conditions. Further, many of our arrangements include multiple performance obligations. As a result, significant contract interpretation may be required to determine the appropriate accounting, including the identification of performance obligations that are distinct, the allocation of the transaction price among performance obligations in the arrangement and the timing of transfer of control of promised goods or services for each of those performance obligations.

We evaluate each performance obligation in an arrangement to determine whether it represents a distinct good or services. A performance obligation constitutes distinct goods or services when the customer can benefit from the goods or services either on its own or together with other resources that are readily available to the customer and the performance obligation is distinct within the context of the contract.

Transaction price is the amount of consideration to which we expect to be entitled in exchange for transferring goods or services to the customer. If the transaction price includes a variable amount, we estimate the amount using either the expected value or most likely amount method. We reduce the transaction price at the time of revenue recognition for customer and distributor programs and incentive offerings, rebates, promotions, other volume-based incentives and expected returns. We use estimates to determine the expected variable consideration for such programs based on historical experience, expected consumer behavior and market conditions.

When a sales arrangement contains multiple performance obligations, such as hardware and/or services, we allocate revenue to each performance obligation in proportion to their selling price. The selling price for each performance obligation is based on its Standalone Selling Price ("SSP"). We establish SSP using the price charged for a performance obligation when sold separately ("observable price") and, in some instances, using the price established by management having the relevant authority. When observable price is not available, we establish SSP based on management's judgment considering internal factors such as margin objectives, pricing practices and controls, customer segment pricing strategies and the product life-cycle. Consideration is also given to market conditions such as competitor pricing strategies and technology industry life cycles. We may modify or develop new go-to-market practices in the future, which may result in changes in selling prices, impacting standalone selling price determination applying the aforementioned management judgments and estimates. This may change the pattern and timing of revenue recognition for identical arrangements executed in future periods but will not change the total

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revenue recognized for any given arrangement. In most arrangements with multiple performance obligations, the transaction price is allocated to each performance obligation at the inception of the arrangement based on their relative selling price.

Revenue is recognized when, or as, a performance obligation is satisfied by transferring control of a promised good or service to a customer. We generally invoice the customer upon delivery of the goods or services and the payments are due as per contract terms. For fixed-price support or maintenance and other service contracts that are in the nature of stand-ready obligations, payments are generally received in advance from customers and revenue is recognized on a straight-line basis over the duration of the contract. In instances when revenue is derived from sales of third-party vendor products or services, we record revenue on a gross basis when we are a principal in the transaction and on a net basis when we are acting as an agent between the customer and the vendor. We consider several factors to determine whether we are acting as a principal or an agent, most notably whether we are the primary obligor to the customer, have established our own pricing and have inventory and credit risks.

Warranty

We accrue the estimated cost of product warranties at the time we recognize revenue. We evaluate our warranty obligations on a product group basis. Our standard product warranty terms generally include post-sales support and repairs or replacement of a product at no additional charge for a specified period. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers, we base our estimated warranty obligation on contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failure outside of our baseline experience. Warranty terms generally range from 90 days to three years for parts, labor and onsite services, depending upon the product. If actual product failure rates or repair costs differ from estimates, revisions to the estimated warranty obligation may be required.

Retirement and Post-Retirement Benefits

Our pension and other post-retirement benefit costs and obligations depend on various assumptions. Our major assumptions relate primarily to discount rates, mortality rates, expected increases in compensation levels and the expected long-term return on plan assets. The discount rate assumption is based on current investment yields of high-quality fixed-income securities with maturities similar to the expected benefits payment period. Mortality rates help predict the expected life of plan participants and are based on a historical demographic study of the plan. The expected increase in the compensation levels assumption reflects our long-term actual experience and future expectations. The expected long-term return on plan assets is determined based on asset allocations, historical portfolio results, historical asset correlations and management's expected returns for each asset class. We evaluate our expected return assumptions annually including reviewing current capital market assumptions to assess the reasonableness of the expected long-term return on plan assets. In any fiscal year, significant differences may arise between the actual return and the expected long-term return on plan assets have resulted from changes in target or actual asset allocation, short-term performance relative to expected long-term performance, and to a lesser extent, differences between target and actual investment allocations, the timing of benefit payments compared to expectations, and the use of derivatives intended to effect asset allocation changes or hedge certain investment or liability exposures. For the recognition of net periodic benefit cost, the calculation of the expected long-term return on plan assets uses the fair value of plan assets as of the beginning of the fiscal year unless updated as a result of interim re-measurement.

Our major assumptions vary by plan, and the weighted-average rates used are set forth in Note 4, "Retirement and Post-Retirement Benefit Plans" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference. The following table provides the impact a change of 25 basis points in each of the weighted-average assumptions of the discount rate, expected increase in compensation levels and expected long-term return on plan assets would have had on our net periodic benefit cost for fiscal year 2020:

Change in Not Deviadio

	Change in Ne Benefit in milli	Cost
Assumptions:		
Discount rate	\$	6
Expected increase in compensation levels	\$	2
Expected long-term return on plan assets	\$	33

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Taxes on Earnings

As a result of certain employment actions and capital investments we have undertaken, income from manufacturing activities in certain jurisdictions is subject to reduced tax rates and, in some cases, is wholly exempt from taxes for fiscal years through 2029.

Material changes in our estimates of cash, working capital and long-term investment requirements in the various jurisdictions in which we do business could impact how future earnings are repatriated to the United States, and our related future effective tax rate.

We calculate our current and deferred tax provisions based on estimates and assumptions that could differ from the final positions reflected in our income tax returns. We adjust our current and deferred tax provisions based on income tax returns which are generally filed in the third or fourth quarters of the subsequent fiscal year.

We recognize deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year in which we expect the differences to reverse.

We record a valuation allowance to reduce deferred tax assets to the amount that we are more likely than not to realize. In determining the need for a valuation allowance, we consider future market growth, forecasted earnings, future taxable income, the mix of earnings in the jurisdictions in which we operate and prudent and feasible tax planning strategies. In the event we were to determine that it is more likely than not that we will be unable to realize all or part of our deferred tax assets in the future, we would increase the valuation allowance and recognize a corresponding charge to earnings or other comprehensive income in the period in which we make such a determination. Likewise, if we later determine that we are more likely than not to realize the deferred tax assets, we would reverse the applicable portion of the previously recognized valuation allowance. In order for us to realize our deferred tax assets, we must be able to generate sufficient taxable income in the jurisdictions in which the deferred tax assets are located.

We are subject to income taxes in the United States and approximately 60 other countries, and we are subject to routine corporate income tax audits in many of these jurisdictions. We believe that positions taken on our tax returns are fully supported, but tax authorities may challenge these positions, which may not be fully sustained on examination by the relevant tax authorities. Accordingly, our income tax provision includes amounts intended to satisfy assessments that may result from these challenges. Determining the income tax provision for these potential assessments and recording the related effects requires management judgments and estimates. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in our income tax provision and, therefore, could have a material impact on our income tax provision, net income and cash flows. Our accrual for uncertain tax positions is attributable primarily to uncertainties concerning the tax treatment of our domestic operations, including the allocation of income among different jurisdictions, intercompany transactions, pension and related interest. For a further discussion on taxes on earnings, refer to Note 6, "Taxes on Earnings" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

Inventory

We state our inventory at the lower of cost or market on a first-in, first-out basis. We make adjustments to reduce the cost of inventory to its net realizable value at the product group level for estimated excess or obsolescence. Factors influencing these adjustments include changes in demand, technological changes, product life cycle and development plans, component cost trends, product pricing, physical deterioration and quality issues.

Business Combinations

We allocate the fair value of purchase consideration to the assets acquired, liabilities assumed, and non-controlling interests in the acquiree generally based on their fair values at the acquirition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired, liabilities assumed and non-controlling interests in the acquiree is recorded as goodwill and may involve engaging independent third parties to perform an appraisal. When determining the fair values of assets acquired, liabilities assumed, and non-controlling interests in the acquiree, management makes significant estimates and assumptions, especially with respect to intangible assets.

Critical estimates in valuing intangible assets include, but are not limited to, expected future cash flows, which includes consideration of future growth rates and margins, attrition rates, future changes in technology and brand awareness, loyalty and position, and discount rates. Fair value estimates are based on the assumptions management believes a market participant would use in pricing the asset or liability. Amounts recorded in a business combination may change during the measurement period, which is a period not to exceed one year from the date of acquisition, as additional information about conditions existing at the acquisition date becomes available.

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Goodwill

We review goodwill for impairment annually during our fourth quarter and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. A qualitative assessment is first performed to determine if the fair value of a reporting unit is more likely than not to be less than its carrying amount. Judgment in the assessment of qualitative factors of impairment may include changes in business climate, market conditions, or other events impacting the reporting unit. If we determine an impairment is more likely than not based on our qualitative assessment, a quantitative assessment of impairment is performed.

Performing a quantitative goodwill impairment test includes the determination of the fair value of a reporting unit and involves significant estimates and assumptions. These estimates and assumptions include, among others, revenue growth rates and operating margins used to calculate projected future cash flows, risk-adjusted discount rates, future economic and market conditions, and the determination of appropriate market comparables. If we determine the carrying amount exceeds fair value, goodwill is impaired and the excess is recognized as an impairment loss.

Loss Contingencies

We are involved in various lawsuits, claims, investigations and proceedings including those consisting of intellectual property ("IP"), commercial, securities, employment, employee benefits and environmental matters that arise in the ordinary course of business. We record a liability when we believe that it is both probable that a liability has been incurred and the amount of loss can be reasonably estimated. Significant judgment is required to determine both the probability of having incurred a liability and the estimated amount of the liability. We review these matters at least quarterly and adjust these liabilities to reflect the impact of negotiations, settlements, rulings, advice of legal counsel and other updated information and events, pertaining to a particular case. Pursuant to the separation and distribution agreement, we share responsibility with Hewlett Packard Enterprise for certain matters, as discussed in Note 14, "Litigation and Contingencies" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference, and Hewlett Packard Enterprise has agreed to indemnify us in whole or in part with respect to certain matters. Based on our experience, we believe that any damage amounts claimed in the specific litigation and contingencies matters further discussed in Note 14, "Litigation and Contingencies", are not a meaningful indicator of HP's potential liability. Litigation is inherently unpredictable. However, we believe we have valid defenses with respect to legal matters pending against us. Nevertheless, cash flows or results of operations could be materially affected in any particular period by the resolution of one or more of these contingencies. We believe we have recorded adequate provisions for any such matters and, as of October 31, 2020, it was not reasonably possible that a material loss had been incurred in excess of the amounts recognized in our financial statements.

RECENT ACCOUNTING PRONOUNCEMENTS

For a summary of recent accounting pronouncements applicable to our consolidated financial statements see Note 1, "Overview and Summary of Significant Accounting Policies" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

RESULTS OF OPERATIONS

Revenue from our international operations has historically represented, and we expect will continue to represent, a majority of our overall net revenue. As a result, our net revenue growth has been impacted, and we expect it will continue to be impacted, by fluctuations in foreign currency exchange rates. In order to provide a framework for assessing performance excluding the impact of foreign currency fluctuations, we supplement the year-over-year percentage change in net revenue with the year-over-year percentage change in net revenue on a constant currency basis, which excludes the effect of foreign currency exchange fluctuations calculated by translating current period revenues using monthly average exchange rates from the comparative period and hedging activities from the prior-year period and does not adjust for any repricing or demand impacts from changes in foreign currency exchange rates. This information is provided so that net revenue can be viewed with and without the effect of fluctuations in foreign currency exchange rates, which is consistent with how management evaluates our net revenue results and trends, as management does not believe that the excluded items are reflective of ongoing operating results. The constant currency measures are provided in addition to, and not as a substitute for, the year-over-year percentage change in net revenue on a GAAP basis. Other companies may calculate and define similarly labeled items differently, which may limit the usefulness of this measure for comparative purposes.

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Results of operations in dollars and as a percentage of net revenue were as follows:

	· <u> </u>	2020			,	2019	2018		
	<u> </u>	Dollars	% of Net Revenue		Dollars	% of Net Revenue		Dollars	% of Net Revenue
	· <u> </u>				Dollars	in millions			
Net revenue	\$	56,639	100.0 %	\$	58,756	100.0 %	\$	58,472	100.0 %
Cost of revenue		46,202	81.6 %		47,586	81.0 %		47,803	81.8 %
Gross profit	_	10,437	18.4 %		11,170	19.0 %		10,669	18.2 %
Research and development		1,478	2.6 %		1,499	2.6 %		1,404	2.4 %
Selling, general and administrative		4,906	8.6 %		5,368	9.1 %		5,099	8.7 %
Restructuring and other charges		462	0.9 %		275	0.4 %		132	0.2 %
Acquisition-related charges		16	— %		35	0.1 %		123	0.2 %
Amortization of intangible assets		113	0.2 %		116	0.2 %		80	0.1 %
Earnings from operations		3,462	6.1 %		3,877	6.6 %		3,831	6.6 %
Interest and other, net		(231)	(0.4)%		(1,354)	(2.3)%		(818)	(1.4)%
Earnings before taxes	_	3,231	5.7 %		2,523	4.3 %		3,013	5.2 %
(Provision for) benefit from taxes		(387)	(0.7)%		629	1.1 %		2,314	3.9 %
Net earnings	\$	2,844	5.0 %	\$	3,152	5.4 %	\$	5,327	9.1 %

Net Revenue

In fiscal year 2020, total net revenue decreased 3.6% (decreased 2.3% on a constant currency basis) as compared to the prior-year period. Net revenue from the United States decreased 1.8% to \$20.2 billion and net revenue from outside of the United States decreased 4.6% to \$36.4 billion.

The decrease in net revenue was primarily driven by decline in Desktops, Supplies, Commercial Printing Hardware and unfavorable foreign currency impacts, partially offset by growth in Notebooks. The decline is driven by demand weakness as businesses remained closed and office workers continued to work from home, partially offset by strong demand in Notebooks.

In fiscal year 2019, total net revenue increased 0.5% (increased 2.0% on a constant currency basis) as compared to the prior-year period. Net revenue from the United States remained flat at \$20.6 billion and net revenue from outside of the United States increased 0.7% to \$38.2 billion.

The increase in net revenue was primarily driven by growth in Notebooks, Desktops and Workstations in Personal Systems, partially offset by unfavorable foreign currency impacts and a decline in Printing Supplies.

A detailed discussion of the factors contributing to the changes in segment net revenue is included under "Segment Information" below.

Gross Margin

Our gross margin was 18.4% for fiscal year 2020 compared with 19.0% for fiscal year 2019. The decrease was primarily due to unfavorable segment mix and lower rate in Printing hardware partially offset by higher rate in Personal Systems driven by favorable commodity costs.

Our gross margin was 19.0% for fiscal year 2019 compared with 18.2% for fiscal year 2018. The increase was primarily due to higher rate in Personal Systems driven by lower supply chain costs.

A detailed discussion of the factors contributing to the changes in segment gross margins is included under "Segment Information" below.

Operating Expenses

Research and Development ("R&D")

R&D expense decreased 1.4% in fiscal year 2020 compared to the prior-year period, primarily due to expense management partially offset by continuing investments in innovation and key growth initiatives.

R&D expense increased 6.7% in fiscal year 2019 compared to the prior-year period, primarily due to continuing investments in innovation and key growth initiatives.

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Selling, General and Administrative ("SG&A")

SG&A expense decreased 8.6% in fiscal year 2020 as compared to the prior-year period, driven by structural cost savings from the transformation program and the benefits of temporary discretionary cost actions.

SG&A expense increased 5.3% in fiscal year 2019 as compared to the prior-year period, primarily driven by increased investments in key growth initiatives and go-to-market in Personal Systems and investment in digital infrastructure.

Restructuring and other Charges

Restructuring and other charges increased by \$187 million in fiscal year 2020 compared to the prior-year period, primarily due to charges from the Fiscal 2020 Plan.

Restructuring and other charges increased by \$143 million in fiscal year 2019 compared to the prior-year period, primarily due to charges from the Fiscal 2020 Plan and the restructuring plan approved in October 2016 (the "Fiscal 2017 Plan"), which was later amended in May 2018.

Acquisition-related Charges

Acquisition-related charges for the fiscal years 2020, 2019 and 2018 relate primarily to third-party professional and legal fees, and integration-related costs, as well as fair value adjustments of certain acquired assets such as inventory.

Amortization of Intangible Assets

Amortization of intangible assets for the fiscal year ended 2020 relates primarily to intangible assets resulting from prior acquisitions.

Amortization expense increased by \$36 million in fiscal year 2019 compared to the prior-year period, due to intangible assets resulting primarily from the acquisition of the Apogee group.

Interest and Other, Net

Interest and other, net expense decreased by \$1.1 billion in fiscal year 2020 compared to the prior-year period, primarily due to reversal of indemnification receivables from Hewlett Packard Enterprise pertaining to various audit settlements in the prior- year period.

Interest and other, net expense increased by \$0.5 billion in fiscal year 2019 compared to the prior-year period, primarily due to tax indemnifications related to the termination of the tax matters agreement ("TMA") with Hewlett Packard Enterprise during the fourth quarter of fiscal year 2019.

(Provision for) Benefit from Taxes

Our effective tax rates were 12.0%, (24.9%) and (76.8%) in fiscal years 2020, 2019 and 2018, respectively. In fiscal year 2020, our effective tax rate generally differs from the U.S. federal statutory rate of 21% primarily due to the resolution of various audits and favorable tax rates associated with certain earnings in lower-tax jurisdictions throughout the world. In fiscal year 2019, our effective tax rate generally differs from the U.S. federal statutory rate of 21% primarily due to the resolution of various audits, changes in valuation allowances, and impacts of U.S. tax reform. In fiscal year 2018, our effective tax rate generally differs from the U.S. federal statutory rate of 23.3% primarily due to transitional impacts of U.S. tax reform and resolution of various audits and tax litigation. The jurisdictions with favorable tax rates that had the most significant impact on our effective tax rate in the periods presented were Puerto Rico, Singapore, China and Malaysia.

For a reconciliation of our effective tax rate to the U.S. federal statutory rate of 21% in fiscal years 2020 and 2019 and 23.3% in fiscal year 2018, and further explanation of our provision for income taxes, see Note 6, "Taxes on Earnings" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

In fiscal year 2020, we recorded \$244 million of net income tax benefits related to discrete items in the provision for taxes. This amount includes tax benefits related to audit settlements of \$124 million in various jurisdictions and \$82 million related to restructuring benefits. Additionally, we recorded benefits of \$20 million related to proxy contest costs and \$17 million of other net tax benefits. In fiscal year 2020, excess tax benefits associated with stock options, restricted stock units and performance-adjusted restricted stock units were immaterial.

In fiscal year 2019, we recorded \$1.3 billion of net income tax benefit related to discrete items in the provision for taxes. This amount includes tax benefits related to audit settlements of \$1.0 billion, \$75 million due to ability to utilize tax attributes, \$57 million of restructuring benefits and net valuation allowance releases of \$94 million. We also recorded benefits of \$78 million related to U.S. tax reform as a result of new guidance issued by the U.S. Internal Revenue Service ("IRS"). These benefits were partially offset by uncertain tax position charges of \$51 million. In fiscal year 2019, in addition to the discrete items mentioned above, we recorded excess tax benefits of \$20 million associated with stock options, restricted stock units and performance-adjusted restricted stock units.

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In fiscal year 2018, we recorded \$2.8 billion of net income tax benefit related to discrete items in the provision for taxes which include impacts of the Tax Cuts and Jobs Act ("TCJA"). As discussed in the Note 6 "Taxes on Earnings" to the Consolidated Financial Statements in Item 8 of this report, we had not yet completed our analysis of the full impact of the TCJA. However, as of October 31, 2018, we recorded a provisional tax benefit of \$760 million related to \$5.6 billion net benefit for the decrease in our deferred tax liability on unremitted foreign earnings, partially offset by \$3.3 billion net expense for the deemed repatriation tax payable in installments over eight years, a \$1.2 billion net expense for the remeasurement of our deferred assets and liabilities to the new U.S. statutory tax rate and a \$317 million net expense related to realization on U.S. deferred taxes that are expected to be realized at a lower rate. Fiscal year 2018 also included tax benefits related to audit settlements of \$1.5 billion and valuation allowance releases of \$601 million pertaining to a change in our ability to utilize certain foreign and U.S. deferred tax assets due to a change in our geographic earnings mix. These benefits were partially offset by other net tax charges of \$34 million. In fiscal year 2018, in addition to the discrete items mentioned above, we recorded excess tax benefits of \$42 million associated with stock options, restricted stock units and performance-adjusted restricted stock units.

Segment Information

A description of the products and services for each segment can be found in Note 2, "Segment Information," to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference. Future changes to this organizational structure may result in changes to the segments disclosed.

Personal Systems

	 For the fiscal years ended October 31							
	2020		2019		2018			
			Dollars in millions					
Net revenue	\$ 38,997	\$	38,694	\$	37,661			
Earnings from operations	\$ 2,312	\$	1,898	\$	1,402			
Earnings from operations as a % of net revenue	5.9%		4.9 %		3.7%			

The components of net revenue and the weighted net revenue change by business unit were as follows:

	For the fiscal years ended October 31									
		Net Revenue					Weighted Net Revenue Change Percentage Points ⁽¹⁾			
	· ·	2020 2019 2018				2020	2019			
			I	n millions						
Notebooks	\$	25,766	\$	22,928	\$	22,547	7.3	1.0		
Desktops		9,806		12,046		11,567	(5.8)	1.3		
Workstations		1,816		2,389		2,246	(1.5)	0.4		
Other		1,609		1,331		1,301	0.8	_		
Total Personal Systems	\$	38,997	\$	38,694	\$	37,661	0.8	2.7		

⁽¹⁾ Weighted Net_Revenue Change Percentage Points measures contribution of each business unit towards overall segment revenue growth. It is calculated by dividing the change in revenue of each business unit from the prior-year period by total segment revenue for the prior-year period.

Fiscal Year 2020 compared with Fiscal Year 2019

Personal Systems net revenue increased 0.8% (increased 2.3% on a constant currency basis) in fiscal year 2020 as compared to the prior-year period. The net revenue increase was primarily due to growth in Notebooks, partially offset by Desktops and Workstations, and unfavorable foreign currency impacts. The net revenue increase was driven by a 4.8% increase in unit volume partially offset by 3.8% decrease in average selling prices ("ASPs") as compared to the prior-year period. The increase in unit volume was primarily due to growth in Notebooks resulting from strong demand driven by work from home, distance learning and gaming, partially offset by Desktops and Workstations. The decrease in ASPs was primarily due to mix shifts to consumer and education, and unfavorable foreign currency impacts. Consumer revenue increased 12.8% as compared to prior-year period, driven by unit growth in Notebooks, and higher ASPs. Commercial revenue decreased 4.8% as compared to the prior-year period, primarily driven by lower ASPs and unit declines in Desktops and Workstations, partially offset by unit growth in Notebooks.

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Net revenue increased 12.4% in Notebooks and decreased 18.6% in Desktops and 24.0% in Workstations in fiscal year 2020 as compared to the prior-year period.

Personal Systems earnings from operations as a percentage of net revenue increased by 1.0 percentage points in fiscal year 2020 as compared to the prior-year period, primarily due to in an increase in gross margin, and decrease in operating expenses as a percentage of revenue. The increase in gross margin was primarily due to favorable commodity costs partially offset by mix shifts. The decrease in operating expenses as a percentage of revenue was primarily due to reduction in marketing spend and our ongoing structural cost savings plan.

Fiscal Year 2019 compared with Fiscal Year 2018

Personal Systems net revenue increased 2.7% (increased 4.9% on a constant currency basis) in fiscal year 2019 as compared to the prior-year period. The net revenue increase was primarily due to growth in Notebooks, Desktops and Workstations, partially offset by unfavorable foreign currency impacts. The net revenue increase was driven by a 2.2% increase in unit volume and 0.5% increase in average selling prices ("ASPs") as compared to the prior-year period. The increase in unit volume was primarily due to growth in Notebooks and Desktops. The increase in ASPs was primarily due to positive mix shifts and higher pricing, partially offset by unfavorable foreign currency impacts. Commercial revenue increased 7.0% primarily driven by higher unit volume partially offset by unfavorable foreign currency impacts, and consumer revenue decreased by 5.5% primarily driven by lower unit volume, respectively, in fiscal year 2019 as compared to the prior-year period.

Net revenue increased 1.7% in Notebooks, 4.1% in Desktops and 6.4% in Workstations in fiscal year 2019 as compared to the prior-year period.

Personal Systems earnings from operations as a percentage of net revenue increased by 1.2 percentage points in fiscal year 2019 as compared to the prior-year period, primarily due to in an increase in gross margin, partially offset by an increase in operating expenses. The increase in gross margin was primarily due to lower supply chain costs and higher ASPs. The increase in operating expenses was primarily due to increased investments in key growth initiatives and go-to-market.

Printing

	 For the fiscal years ended October 31							
	 2020		2019		2018			
	Dollars in millions							
Net revenue	\$ 17,641	\$	20,066	\$	20,805			
Earnings from operations	\$ 2,495	\$	3,202	\$	3,314			
Earnings from operations as a % of net revenue	14.1%		16.0%		15.9%			

The components of the net revenue and weighted net revenue change by business unit were as follows:

	For the fiscal years ended October 31									
			N	let Revenue	Weighted Net Revenue Change Percentage Points ⁽¹⁾					
	2020 2019			2018	2020	2019				
]	In millions						
Supplies	\$	11,586	\$	12,921	\$	13,575	(6.7)	(3.2)		
Commercial Hardware		3,539		4,612		4,514	(5.3)	0.5		
Consumer Hardware		2,516		2,533		2,716	(0.1)	(0.9)		
Total Printing	\$	17,641	\$	20,066	\$	20,805	(12.1)	(3.6)		

⁽¹⁾ Weighted Net Revenue Change Percentage Points measures the contribution of each business unit towards overall segment revenue growth. It is calculated by dividing the change in revenue of each business unit from the prior period by total segment revenue for the prior-year period.

Fiscal Year 2020 compared with Fiscal Year 2019

Printing net revenue decreased 12.1% (decreased 11.2% on a constant currency basis) for fiscal year 2020 as compared to the prior-year period. The decline in net revenue was primarily driven by a decline in Supplies, Commercial Hardware and unfavorable foreign currency impacts. Net revenue for Supplies decreased 10.3% as compared to the prior-year period, primarily driven by demand weakness as businesses operated with reduced onsite capacity and a majority of office workers continue to work from home. ASPs decreased 15.9% and printer unit volume decreased 5.1% as compared to the prior-year

Management's Discussion and Analysis of Financial Condition and Results of Operations

period. Printer ASPs decreased primarily due to mix shifts and unfavorable foreign currency impact. The decrease in printer unit volume was driven by unit decreases in both Commercial and Consumer Hardware.

Net revenue for Commercial Hardware decreased 23.3% as compared to the prior-year period, due to a 19.4% decrease in printer volume and a 19.6% decrease in ASPs. The printer unit volume decline was due to lower demand as businesses operated with reduced onsite capacity due to COVID-19. The decrease in ASPs was driven by mix shifts, competitive pricing and unfavorable foreign currency impacts.

Net revenue for Consumer Hardware decreased 0.7% as compared to the prior-year period, due to a decrease in printer unit volume by 2.7% partially offset by 2.0% increase in ASPs. The printer unit volume decrease was driven by supply chain disruptions due to COVID-19. The increase in ASPs was primarily due to disciplined pricing, partially offset by mix shifts and unfavorable foreign currency impacts.

Printing earnings from operations as a percentage of net revenue decreased by 1.9 percentage points for the fiscal year 2020 as compared to the prior-year period, primarily due to lower net revenue in Commercial Hardware, higher Consumer mix, supply chain disruptions partially offset by disciplined pricing and improved Supplies mix.

Fiscal Year 2019 compared with Fiscal Year 2018

Printing net revenue decreased 3.6% (decreased 3.0% on a constant currency basis) for fiscal year 2019 as compared to prior-year period. The decline in net revenue was primarily driven by a decline in Supplies, Consumer Hardware revenue and unfavorable foreign currency impacts, partially offset by an increase in Commercial Hardware revenue. Net revenue for Supplies decreased 4.8% as compared to the prior-year period, primarily due to demand weakness. Printer unit volume decreased 4.8% compared to the prior-year period. The decrease in printer unit volume was driven by unit decrease in Consumer Hardware.

Net revenue for Commercial Hardware increased 2.2% as compared to the prior-year period, primarily due to the acquisition of the Apogee group. Net revenue for Consumer Hardware decreased 6.7% as compared to the prior-year period due to a 5.4% decrease in printer unit volume and 1.7% decrease in ASPs. The unit volume decrease was driven by InkJet Home Consumer business and LaserJet Home business. The decrease in ASPs was primarily due to unfavorable foreign currency impacts.

Printing earnings from operations as a percentage of net revenue increased by 0.1 percentage points for the fiscal year 2019 as compared to the prior-year period, primarily due to higher gross margin. The gross margin increased primarily due to rate improvement in Commercial Hardware partially offset by lower Supplies revenue.

Corporate Investments

The loss from operations in Corporate Investments for the fiscal years 2020, 2019 and 2018 was primarily due to expenses associated with HP Labs and our incubation and investment projects.

LIQUIDITY AND CAPITAL RESOURCES

We use cash generated by operations as our primary source of liquidity. While the impacts from the COVID-19 pandemic are currently expected to be temporary, there is uncertainty around its extent and duration and our liquidity and working capital needs may be impacted in the future periods. We believe that current cash, cash flow from operating activities, new borrowings, available commercial paper authorization and the credit facilities will be sufficient to meet HP's operating cash requirements, planned capital expenditures, interest and principal payments on all borrowings, pension and post-retirement funding requirements, authorized share repurchases and annual dividend payments for the foreseeable future. Additionally, in the event that suitable businesses are available for acquisition that offer good return opportunities, the Company may obtain all or a portion of the financing for these acquisitions through additional borrowings. While our access to capital markets may be constrained and our cost of borrowing may increase under certain business, market and economic conditions, our access to a variety of funding sources to meet our liquidity needs is designed to facilitate continued access to capital resources under all such conditions. Our liquidity is subject to various risks including the risks identified in the section entitled "Risk Factors" in Item 1A and market risks identified in the section entitled "Quantitative and Qualitative Disclosures about Market Risk" in Item 7A, which are incorporated herein by reference.

On February 22, 2020, HP's Board of Directors increased HP's share repurchase authorization to \$15.0 billion.

Management's Discussion and Analysis of Financial Condition and Results of Operations

Our cash and cash equivalents balances are held in numerous locations throughout the world. We utilize a variety of planning and financing strategies in an effort to ensure that our worldwide cash is available when and where it is needed. Amounts held outside of the United States are generally utilized to support non-U.S. liquidity needs and may from time to time be distributed to the United States. The TCJA made significant changes to the U.S. tax law, including a one-time transition tax on accumulated foreign earnings. The payments associated with this one-time transition tax will be paid over eight years and began in fiscal year 2019. We expect a significant portion of the cash and cash equivalents held by our foreign subsidiaries will no longer be subject to U.S. income tax upon a subsequent repatriation to the United States as a result of the transition tax on accumulated foreign earnings. However, a portion of this cash may still be subject to foreign income tax or withholding tax upon repatriation. As we evaluate the future cash needs of our operations, we may revise the amount of foreign earnings considered to be permanently reinvested in our foreign subsidiaries and how to utilize such funds, including reducing our gross debt level, or other uses.

Liquidity

Our cash and cash equivalents, marketable debt securities and total debt were as follows:

	As of October 31						
	2020		2019	2018			
			In billions				
Cash and cash equivalents	\$	4.9 \$	4.5 \$	5.2			
Marketable debt securities(1)	\$	0.3 \$	— \$	0.7			
Total debt	\$	6.2 \$	5.1 \$	6.0			

(1) Includes highly liquid U.S. treasury notes, U.S. agency securities, non-U.S. government bonds, corporate debt securities, money market and other funds. We classify these investments within Other current assets in Consolidated Balance Sheets, including those with maturity dates beyond one year, based on their highly liquid nature and availability for use in current operations.

Our key cash flow metrics were as follows:

	For the fiscal years ended October 31							
		2020		2019		2018		
	In millions							
Net cash provided by operating activities	\$	4,316	\$	4,654	\$	4,528		
Net cash used in investing activities		(1,016)		(438)		(716)		
Net cash used in financing activities		(2,973)		(4,845)		(5,643)		
Net increase (decrease) in cash and cash equivalents	\$	327	\$	(629)	\$	(1,831)		

Operating Activities

Net cash provided by operating activities decreased by \$0.3 billion for fiscal year 2020 as compared to fiscal year 2019, primarily due to lower cash generated from working capital activities as a result of changes in demand dynamics due to COVID-19 and lower earnings from operation.

Net cash provided by operating activities increased marginally by \$0.1 billion for fiscal year 2019 as compared to fiscal year 2018.

Working Capital Metrics

Management utilizes current cash conversion cycle information to manage our working capital level. The table below presents the cash conversion cycle:

		As of October 31					
	2020	2019	2018				
Days of sales outstanding in accounts receivable ("DSO")	32	35	30				
Days of supply in inventory ("DOS")	43	41	43				
Days of purchases outstanding in accounts payable ("DPO")	(105)	(107)	(105)				
Cash conversion cycle	(30)	(31)	(32)				

Management's Discussion and Analysis of Financial Condition and Results of Operations

The cash conversion cycle is the sum of days of DSO and DOS less DPO. Items which may cause the cash conversion cycle in a particular period to differ from a long-term sustainable rate include, but are not limited to, changes in business mix, changes in payment terms, extent of receivables factoring, seasonal trends and the timing of revenue recognition and inventory purchases within the period.

DSO measures the average number of days our receivables are outstanding. DSO is calculated by dividing ending accounts receivable, net of allowance for doubtful accounts, by a 90-day average of net revenue. For fiscal year 2020, the decrease in DSO as compared to fiscal year 2019, was due to favorable revenue linearity and strong collections. For fiscal year 2019, the increase in DSO as compared to fiscal year 2018, was primarily due to unfavorable revenue linearity.

DOS measures the average number of days from procurement to sale of our product. DOS is calculated by dividing ending inventory by a 90-day average of cost of goods sold. For fiscal year 2020, the increase in DOS as compared to fiscal year 2019 was primarily due to leveraging our balance sheet, particularly through higher strategic buys. For fiscal year 2019, the decrease in DOS compared to fiscal year 2018 was primarily due to reduction in inventory driven by reclassification of certain balances to other current assets pursuant to adoption of the new revenue standard in the first quarter of fiscal 2019.

DPO measures the average number of days our accounts payable balances are outstanding. DPO is calculated by dividing ending accounts payable by a 90-day average of cost of goods sold. For fiscal year 2020, the decrease in DPO compared to fiscal year 2019 was primarily due to decrease in accounts payables driven by lower operating expenses. For fiscal year 2019, the increase in DPO compared to fiscal year 2018 was higher primarily due to working capital management activities, partially offset by lower inventory purchasing volume.

Investing Activities

Net cash used in investing activities increased by \$0.6 billion for fiscal year 2020 as compared to fiscal year 2019, primarily due to increase in investment classified as available-for-sale within Other current assets of \$1.0 billion partially offset by lower net payments for acquisitions of \$0.5 billion.

Net cash used in investing activities decreased by \$0.3 billion for fiscal year 2019 as compared to fiscal year 2018, primarily due to lower net payments for acquisitions.

Financing Activities

Net cash used in financing activities decreased by \$1.9 billion in fiscal year 2020 compared to fiscal year 2019, primarily due to issuance of senior notes of \$3.0 billion partially offset by higher share repurchase of \$0.7 billion and higher debt payment of \$0.3 billion.

Net cash used in financing activities decreased by \$0.8 billion in fiscal year 2019 compared to fiscal year 2018, primarily due to lower payment of debt of \$1.5 billion, partially offset by a decrease in outstanding commercial paper amounts of \$0.7 billion.

Capital Resources

Debt Levels

	As of October 31									
	 2020		2019		2018					
	 Dollars in millions									
Short-term debt	\$ 674	\$	357	\$	1,463					
Long-term debt	\$ 5,543	\$	4,780	\$	4,524					
Debt-to-equity ratio	(2.8)x		(4.3)x		(9.4)x					
Weighted-average interest rate	3.9 %		4.6 %		4.3 %					

We maintain debt levels that we establish through consideration of a number of factors, including cash flow expectations, cash requirements for operations, investment plans (including acquisitions), share repurchase activities, our cost of capital and targeted leverage ratio.

Short-term debt increased by \$0.3 billion and long-term debt increased by \$0.8 billion for fiscal year 2020 as compared to fiscal year 2019. The net increase in total debt was primarily due to issuance of unsecured senior debt in June 2020 in principal amount of \$3.0 billion, partially offset by the payment of \$1.6 billion for the cash tender offer ("Tender Offer") and the redemption of existing notes maturing in 2020 and 2021.

Short-term debt decreased by \$1.1 billion for fiscal year 2019 as compared to fiscal year 2018 primarily due to a decrease in outstanding commercial paper amounts of \$0.9 billion.

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Our debt-to-equity ratio is calculated as the carrying amount of debt divided by total stockholders' deficit. Our debt-to-equity ratio changed by 1.5x in fiscal year 2020 compared to fiscal year 2019, primarily due to an increase in stockholders' deficit balance of \$1.0 billion.

Our debt-to-equity ratio changed by 5.1x in fiscal year 2019 compared to fiscal year 2018, primarily due to an increase in stockholders' deficit balance of \$0.6 billion.

Our weighted-average interest rate reflects the effective interest rate on our borrowings prevailing during the period and reflects the effect of interest rate swaps. For more information on our interest rate swaps, see Note 10, "Financial Instruments" in the Consolidated Financial Statements and notes thereto in Item 8, "Financial Statements and Supplementary Data".

As of October 31, 2020, we maintain a senior unsecured committed revolving credit facility with aggregate lending commitments of \$4.0 billion, which will be available until March 30, 2023 and is primarily to support the issuance of commercial paper. On May 29, 2020, we entered into a 364-day revolving credit facility providing for a senior unsecured revolving credit facility with aggregate lending commitments of \$1.0 billion, which will be available until May 28, 2021. Funds borrowed under these revolving credit facilities may be used for general corporate purposes.

On June 17, 2020, we issued \$3.0 billion aggregate principal amount of senior notes across various maturities. We used approximately \$0.7 billion and \$0.9 billion of the proceeds from such issuance to fund the Tender Offer and the redemption, respectively, of existing notes maturing in 2020 and 2021. For more information on the new notes and the repurchase and redemption of existing notes, see Note 11, "Borrowings", to the Consolidated Financial Statements in Item 8 of Part II of this report, which is incorporated herein by reference.

Available Borrowing Resources

As of October 31, 2020, we had available borrowing resources of \$725 million from uncommitted lines of credit in addition to the senior unsecured committed revolving credit facilities.

In December 2020, we filed a post-effective amendment to the 2019 Shelf Registration Statement to include certain information that is required to be included by registrants who are not well-known seasoned issuers (as such term is defined in Rule 405 of the Securities Act of 1933, as amended) because we will no longer be a well-known seasoned issuer upon the filing of this Annual Report on Form 10-K. Following the filing of this Annual Report on Form 10-K, we intend to file another post-effective amendment to convert the registration statement to the proper submission type for a non-automatic shelf registration statement. Pending effectiveness of the second post-effective amendment, we can continue to use the 2019 Shelf Registration Statement. Once it is declared effective, the further amended registration statement will enable us to offer for sale, from time to time, in one or more offerings, \$5.0 billion, in the aggregate, of debt securities, common stock, preferred stock, depository shares and warrants.

For more information on our borrowings, see Note 11, "Borrowings", to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

Credit Ratings

Our credit risk is evaluated by major independent rating agencies based upon publicly available information as well as information obtained in our ongoing discussions with them. While we do not have any rating downgrade triggers that would accelerate the maturity of a material amount of our debt, previous downgrades have increased the cost of borrowing under our credit facility, have reduced market capacity for our commercial paper and have required the posting of additional collateral under some of our derivative contracts. In addition, any further downgrade to our credit ratings by any rating agencies may further impact us in a similar manner, and, depending on the extent of any such downgrade, could have a negative impact on our liquidity and capital position. We can access alternative sources of funding, including drawdowns under our credit facility, if necessary, to offset potential reductions in the market capacity for our commercial paper.

Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)

CONTRACTUAL AND OTHER OBLIGATIONS

Our contractual and other obligations as of October 31, 2020, were as follows:

			Payments Due by Period							
	1 Year or Total Less		1-3 Years			3-5 Years		fore than 5 Years		
						In millions				
Principal payments on debt ⁽¹⁾	\$	6,225	\$	659	\$	1,313	\$	1,202	\$	3,051
Interest payments on debt ⁽²⁾		2,240		244		360		309		1,327
Purchase obligations ⁽³⁾		499		290		163		40		6
Operating lease obligations		1,279		303		438		241		297
Finance lease obligations		40		22		14		4		_
Total ⁽⁴⁾⁽⁵⁾⁽⁶⁾	\$	10,283	\$	1,518	\$	2,288	\$	1,796	\$	4,681

- (1) Amounts represent the principal cash payments relating to our short-term and long-term debt and do not include any fair value adjustments, discounts or premiums.
- (2) Amounts represent the expected interest payments relating to our short-term and long-term debt. We have outstanding interest rate swap agreements accounted for as fair value hedges that have the economic effect of changing fixed interest rates associated with some of our U.S. Dollar Global Notes to variable interest rates. The impact of our outstanding interest rate swaps at October 31, 2020 was factored into the calculation of the future interest payments on debt.
- Purchase obligations include agreements to purchase goods or services that are enforceable and legally binding on us and that specify all significant terms, including fixed or minimum quantities to be purchased; fixed, minimum or variable price provisions; and the approximate timing of the transaction. These purchase obligations are related principally to inventory and other items. Purchase obligations exclude agreements that are cancelable without penalty. Purchase obligations also exclude open purchase orders that are routine arrangements entered into in the ordinary course of business as they are difficult to quantify in a meaningful way. Even though open purchase orders are considered enforceable and legally binding, the terms generally allow us the option to cancel, reschedule, and adjust terms based on our business needs prior to the delivery of goods or performance of services.
- (4) Retirement and Post-Retirement Benefit Plan Contributions. In fiscal year 2021, we expect to contribute approximately \$77 million to non-U.S. pension plans, \$34 million to cover benefit payments to U.S. non-qualified plan participants and \$5 million to cover benefit claims for our post-retirement benefit plans. Our policy is to fund our pension plans so that we meet at least the minimum contribution required by local government, funding and taxing authorities. Expected contributions and payments to our pension and post-retirement benefit plans are excluded from the contractual obligations table because they do not represent contractual cash outflows as they are dependent on numerous factors which may result in a wide range of outcomes. For more information on our retirement and post-retirement benefit plans, see Note 4, "Retirement and Post-Retirement Benefit Plans", to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.
- (5) Cost Savings Plans. As a result of our approved restructuring plans, we expect to make future cash payments of approximately \$0.5 billion. We expect to make future cash payments of \$0.2 billion in fiscal year 2021 with remaining cash payments through fiscal year 2023. These payments have been excluded from the contractual obligations table because they do not represent contractual cash outflows and there is uncertainty as to the timing of these payments. For more information on our restructuring activities that are part of our cost improvements, see Note 3, "Restructuring and Other Charges", to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.
- (6) Uncertain Tax Positions. As of October 31, 2020, we had approximately \$475 million of recorded liabilities and related interest and penalties pertaining to uncertain tax positions. We are unable to make a reasonable estimate as to when or if cash settlement with the tax authorities might occur due to the uncertainties related to these tax matters. Payments of these obligations would result from settlements with taxing authorities. For more information on our uncertain tax positions, see Note 6, "Taxes on Earnings", to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference. These potential payments have been excluded from the contractual obligations table because they do not represent contractual cash outflows and there is uncertainty as to the timing of these potential payments.

Management's Discussion and Analysis of Financial Condition and Results of Operations

OFF-BALANCE SHEET ARRANGEMENTS

As part of our ongoing business, we have not participated in transactions that generate material relationships with unconsolidated entities or financial partnerships, such as entities often referred to as structured finance or special purpose entities, which would have been established for the purpose of facilitating off-balance sheet arrangements or other contractually narrow or limited purposes.

We have third-party short-term financing arrangements intended to facilitate the working capital requirements of certain customers. For more information on our third-party short-term financing arrangements, see Note 7 "Supplementary Financial Information" to the Consolidated Financial Statements in Item 8, which is incorporated herein by reference.

ITEM 7A. Quantitative and Qualitative Disclosures About Market Risk.

In the normal course of business, we are exposed to foreign currency exchange rate and interest rate risks that could impact our financial position and results of operations. Our risk management strategy with respect to these market risks may include the use of derivative instruments. We use derivative contracts only to manage existing underlying exposures. Accordingly, we do not use derivative contracts for speculative purposes. Our risks, risk management strategy and a sensitivity analysis estimating the effects of changes in fair value for each of these exposures are outlined below.

Actual gains and losses in the future may differ materially from the sensitivity analyses based on changes in the timing and amount of foreign currency exchange rate and interest rate movements and our actual exposures and derivatives in place at the time of the change, as well as the effectiveness of the derivative to hedge the related exposure.

Foreign currency exchange rate risk

We are exposed to foreign currency exchange rate risk inherent in our sales commitments, anticipated sales, anticipated purchases and assets and liabilities denominated in currencies other than the U.S. dollar. We transact business in over 40 currencies worldwide, of which the most significant foreign currencies to our operations for fiscal year 2020 were the euro, Chinese yuan renminbi, the Japanese yen and the British pound. For most currencies, we are a net receiver of the foreign currency and therefore benefit from a weaker U.S. dollar and are adversely affected by a stronger U.S. dollar relative to the foreign currency. Even where we are a net receiver of the foreign currency, a weaker U.S. dollar may adversely affect certain expense figures, if taken alone.

We use a combination of forward contracts and at times, options designated as cash flow hedges to protect against the foreign currency exchange rate risks inherent in our forecasted net revenue and, to a lesser extent in cost of sales. In addition, when debt is denominated in a foreign currency, we may use swaps to exchange the foreign currency principal and interest obligations for U.S. dollar-denominated amounts to manage the exposure to changes in foreign currency exchange rates. We also use other derivatives not designated as hedging instruments consisting primarily of forward contracts to hedge foreign currency balance sheet exposures. Alternatively, we may choose not to hedge the risk associated with our foreign currency exposures, primarily if such exposure acts as a natural hedge for offsetting amounts denominated in the same currency or if the currency is too difficult or too expensive to hedge.

We have performed sensitivity analyses for continuing operations as of October 31, 2020 and 2019, using a modeling technique that measures the change in the fair values arising from a hypothetical 10% adverse movement in the levels of foreign currency exchange rates relative to the U.S. dollar, with all other variables held constant. The analyses cover all of our foreign currency derivative contracts offset by underlying exposures. The foreign currency exchange rates we used in performing the sensitivity analysis were based on market rates in effect at October 31, 2020 and 2019. The sensitivity analyses indicated that a hypothetical 10% adverse movement in foreign currency exchange rates would result in a foreign exchange fair value loss of \$77 million and \$81 million at October 31, 2020 and October 31, 2019, respectively.

Interest rate risk

We also are exposed to interest rate risk related to debt we have issued and our investment portfolio.

We issue long-term debt in either U.S. dollars or foreign currencies based on market conditions at the time of financing. We may use interest rate and/or currency swaps to modify the market risk exposures in connection with the debt to achieve floating interest expense. The swap transactions generally involve the exchange of fixed for floating interest payments. However, we may choose not to swap fixed for floating interest payments or may terminate a previously executed swap if we believe a larger proportion of fixed-rate debt would be beneficial.

In order to hedge the fair value of certain fixed-rate investments, we may enter into interest rate swaps that convert fixed interest returns into variable interest returns. We may use cash flow hedges to hedge the variability in interest income received on certain variable-rate investments. We may also enter into interest rate swaps that convert variable rate interest returns into fixed-rate interest returns.

We have performed sensitivity analyses as of October 31, 2020 and 2019, using a modeling technique that measures the change in the fair values arising from a hypothetical 10% adverse movement in the levels of interest rates across the entire yield curve, with all other variables held constant. The analyses cover our debt, investments and interest rate swaps. The analyses use actual or approximate maturities for the debt, investments and interest rate swaps. The discount rates used were based on the market interest rates in effect at October 31, 2020 and 2019. The sensitivity analyses indicated that a hypothetical 10% adverse movement in interest rates would have resulted in a loss in the fair values of our debt and investments, net of interest rate swaps, of \$36 million at October 31, 2020 and \$49 million at October 31, 2019.

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ITEM 8. Financial Statements and Supplementary Data.

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Report of Independent Registered Public Accounting Firm

To the Stockholders and the Board of Directors of HP Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of HP Inc. and subsidiaries (the Company) as of October 31, 2020 and 2019, the related consolidated statements of earnings, comprehensive income, stockholders' deficit and cash flows for each of the three years in the period ended October 31, 2020, and the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at October 31, 2020 and 2019, and the results of its operations and its cash flows for each of the three years in the period ended October 31, 2020, 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, 2020, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated December 10, 2020 expressed an unqualified opinion thereon.

Adoption of New Accounting Standard

As discussed in Note 1 to the consolidated financial statements, the Company changed its method for recognizing revenue in 2019 due to the adoption of Accounting Standards Update (ASU) No. 2014-09, Revenue from Contracts with Customers (Topic 606), and the amendments effective November 1, 2018 and its method of accounting for leases in 2020 due to the adoption of Accounting Standards Update (ASU) No. 2016-02, Leases (Topic 842) effective November 1, 2019.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's 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 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 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 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 financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of critical audit matters 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 matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Income Taxes

Description of the Matter

As described in Notes 1 and 6 of the consolidated financial statements, the Company is subject to income taxes in the United States and several other countries and is subject to routine corporate income tax audits in many of those jurisdictions. Uncertainty in the Company's tax positions may arise as tax laws are subject to interpretation and the Company's positions are subject to examination by taxing authorities, which may result in assessments of additional amounts owed. Determining the income tax provision for these potential assessments and recording the related effects requires significant management judgment in estimating whether a tax position's technical merits are more-likely-than-not to be sustained and measuring the amount of tax benefit that qualifies for recognition.

Additionally, the Company records a valuation allowance to reduce deferred tax assets to the amount which are more likely than not to be realized. In determining the need for a valuation allowance, the Company considers certain subjective factors such as future market growth, forecasted earnings, future taxable income, mix of earnings in the jurisdictions in which they operate and prudent and feasible tax planning strategies.

Our assessment of management's analyses of the reserve for uncertain tax positions and the realizability of its deferred tax assets are significant to our audit because the amounts are material to the financial statements and the assessment process involves significant judgment. For example, management's assumptions that may be affected by future market and economic conditions or interpretations of tax laws and legal rulings are challenging to audit.

How We Addressed the Matter in Our Audit We tested controls over management's processes relating to the recording of unrecognized tax benefits, including controls over the Company's process to assess the technical merits of its uncertain tax positions, and the realizability of deferred tax assets, including the development of the above described assumptions and judgments.

Our audit procedures included an evaluation of the Company's key assumptions and judgments and testing the completeness and accuracy of the underlying data used to determine the amount of unrecognized tax benefits recognized. For example, we evaluated the measurement of the amounts recorded taking into consideration the applicable tax laws and the Company's positions examined by taxing authorities. We also evaluated the key assumptions and judgments used by management in determining the need for a valuation allowance and testing the completeness and accuracy of the underlying data used in the Company's process. For example, we compared the projections of future taxable income with the actual results of prior periods as well as management's consideration of current industry and economic trends. In each of these areas, we involved our tax professionals to assess the technical merits of the Company's tax positions. This included assessing the Company's correspondence with the relevant tax authorities and evaluating income tax opinions or other third-party advice obtained by the Company.

Revenue Recognition

Description of the Matter

As described in Note 1 of the consolidated financial statements, the Company enters into certain contracts to sell their products and services that contain non-standard terms and conditions and multiple performance obligations. For such contracts, significant interpretation may be required to determine the appropriate accounting, including the allocation of the transaction price among performance obligations in the arrangement and the timing of the transfer of control of promised goods or services for each of those performance obligations.

In addition, the Company reduces revenue for customer and distributor programs and incentive offerings including rebates, promotions, other volume-based incentives and expected returns. The Company uses significant estimates to determine the expected variable consideration for such programs based on factors like historical experience, forecasted sales, expected customer behavior and market conditions.

Our assessment of management's evaluation of the appropriate accounting for revenue contracts and the determination of the variable consideration for sales incentives are significant to our audit because the amounts are material to the financial statements and the assessment process involves significant judgment.

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How We Addressed the Matter in Our Audit We tested relevant controls over the identified risks related to the Company's accounting for revenue recognition, including the controls to evaluate the appropriate accounting treatment for contracts containing non-standard terms and conditions and multiple performance obligations and the controls related to the estimation process to record the variable consideration related to certain sales incentives.

Our audit procedures included, among others, inspection of contracts entered into during the period, evaluation of management's judgments related to the interpretation of certain contract provisions including the identification of performance obligations, the method of allocating the transaction price to the performance obligations in the arrangement, and the assessment of the appropriateness of the amount of revenue recognized. We also evaluated the Company's key assumptions and judgments and tested the completeness and accuracy of the underlying data used to determine the variable consideration for sales incentives. This included analyzing data related to the historical experience of sales incentive payments as well as understanding the current market dynamics that can affect the estimate of variable consideration to assess the Company's judgments and estimates.

/s/ ERNST & YOUNG LLP

We have served as the Company's auditor since 2000 San Jose, California December 10, 2020

Report of Independent Registered Public Accounting Firm

To the Stockholders and the Board of Directors of HP Inc.

Opinion on Internal Control over Financial Reporting

We have audited HP Inc. and subsidiaries' internal control over financial reporting as of October 31, 2020, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, HP Inc. and subsidiaries (the Company) maintained, in all material respects, effective internal control over financial reporting as of October 31, 2020, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of HP Inc. and subsidiaries as of October 31, 2020 and 2019, the related consolidated statements of earnings, comprehensive income, stockholders' deficit and cash flows for each of the three years in the period ended October 31, 2020, and the related notes and our report dated December 10, 2020 expressed an unqualified opinion thereon.

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 included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and 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/ ERNST & YOUNG LLP

San Jose, California December 10, 2020

Management's Report on Internal Control Over Financial Reporting

HP's management is responsible for establishing and maintaining adequate internal control over financial reporting. HP'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 U.S. generally accepted accounting principles. HP's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of HP; (ii) 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 HP are being made only in accordance with authorizations of management and directors of HP; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of HP'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.

HP's management assessed the effectiveness of HP's internal control over financial reporting as of October 31, 2020, utilizing the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control—Integrated Framework (2013 framework). Based on the assessment by HP's management, we determined that HP's internal control over financial reporting was effective as of October 31, 2020. The effectiveness of HP's internal control over financial reporting as of October 31, 2020 has been audited by Ernst & Young LLP, HP's independent registered public accounting firm, as stated in their report which appears on page 56 of this Annual Report on Form 10-K.

/s/ ENRIQUE LORES

Enrique Lores President and Chief Executive Officer December 10, 2020 /s/ MARIE MYERS

Marie Myers Acting Chief Financial Officer December 10, 2020

Consolidated Statements of Earnings

	For the fiscal years ended October 31						
		2020				2018	
			illions, except per share am			s	
Net revenue	\$	56,639	\$	58,756	\$	58,472	
Costs and expenses:							
Cost of revenue		46,202		47,586		47,803	
Research and development		1,478		1,499		1,404	
Selling, general and administrative		4,906		5,368		5,099	
Restructuring and other charges		462		275		132	
Acquisition-related charges		16		35		123	
Amortization of intangible assets		113		116		80	
Total costs and expenses		53,177		54,879		54,641	
Earnings from operations		3,462		3,877		3,831	
Interest and other, net		(231)		(1,354)		(818)	
Earnings before taxes		3,231		2,523		3,013	
(Provision for) benefit from taxes		(387)		629		2,314	
Net earnings	\$	2,844	\$	3,152	\$	5,327	
Net earnings per share:							
Basic	\$	2.01	\$	2.08	\$	3.30	
Diluted	\$	2.00	\$	2.07	\$	3.26	
Weighted-average shares used to compute net earnings per share:							
Basic		1,413		1,515		1,615	
Diluted		1,420		1,524		1,634	

Consolidated Statements of Comprehensive Income

	For the fiscal years ended October 31					
	2020	2019	2018			
		In millions				
Net earnings	\$ 2,844	\$ 3,152	\$ 5,327			
Other comprehensive (loss) income before taxes:						
Change in unrealized components of available-for-sale debt securities:						
Unrealized gains (losses) arising during the period	2	1	(3)			
Losses (gains) reclassified into earnings		3	(5)			
	2	4	(8)			
Change in unrealized components of cash flow hedges:						
Unrealized (losses) gains arising during the period	(201)	252	341			
(Gains) losses reclassified into earnings	(85)	(380)	258			
	(286)	(128)	599			
Change in unrealized components of defined benefit plans:						
(Losses) gains arising during the period	(29)	(303)	11			
Amortization of actuarial loss and prior service benefit	83	43	48			
Curtailments, settlements and other	215	42	3			
	269	(218)	62			
Change in cumulative translation adjustment	(4)	4				
Other comprehensive (loss) income before taxes	(19)	(338)	653			
Benefit from (provision for) taxes	1	(42)	(80)			
Other comprehensive (loss) income, net of taxes	(18)	(380)	573			
Comprehensive income	\$ 2,826	\$ 2,772	\$ 5,900			

Consolidated Balance Sheets

	As of October 31							
		2020		2019				
	In millions, except par value							
ASSETS								
Current assets:								
Cash and cash equivalents	\$	4,864	\$	4,537				
Accounts receivable, net		5,381		6,031				
Inventory		5,963		5,734				
Other current assets		4,440		3,875				
Total current assets		20,648		20,177				
Property, plant and equipment, net		2,627		2,794				
Goodwill		6,380		6,372				
Other non-current assets		5,026		4,124				
Total assets	\$	34,681	\$	33,467				
LIABILITIES AND STOCKHOLDERS' DEFICIT								
Current liabilities:								
Notes payable and short-term borrowings	\$	674	\$	357				
Accounts payable		14,704		14,793				
Other current liabilities		10,842		10,143				
Total current liabilities		26,220		25,293				
Long-term debt		5,543		4,780				
Other non-current liabilities		5,146		4,587				
Commitments and contingencies								
Stockholders' deficit:								
Preferred stock, \$0.01 par value (300 shares authorized; none issued)		_		_				
Common stock, \$0.01 par value (9,600 shares authorized; 1,304 and 1,458 shares issued and outstanding at October 31, 2020, and 2019 respectively)		13		15				
Additional paid-in capital		963		835				
Accumulated deficit		(1,961)		(818)				
Accumulated other comprehensive loss		(1,243)		(1,225)				
Total stockholders' deficit		(2,228)		(1,193)				
Total liabilities and stockholders' deficit	\$	34,681	\$	33,467				

Consolidated Statements of Cash Flows

	For the fiscal years ended October 31					
		2020		2019		2018
				In millions		
Cash flows from operating activities:	Φ.	2011	Ф	2.152	Φ.	5.005
Net earnings	\$	2,844	\$	3,152	\$	5,327
Adjustments to reconcile net earnings to net cash provided by operating activities:		7 00				500
Depreciation and amortization		789		744		528
Stock-based compensation expense		278		297		268
Restructuring and other charges		462		275		132
Deferred taxes on earnings		70		133		(3,653)
Defined benefit plan settlement charges		214				
Other, net		325		254		319
Changes in operating assets and liabilities, net of acquisitions:		585		(5(1)		(401)
Accounts receivable		575		(761)		(491)
Inventory		(386)		(68)		(136)
Accounts payable		(35)		(53)		1,429
Net investment in leases		(152)		_		
Taxes on earnings		(147)		(851)		389
Restructuring and other		(489)		(154)		(237)
Other assets and liabilities		(32)		1,686		653
Net cash provided by operating activities		4,316		4,654		4,528
Cash flows from investing activities:						
Investment in property, plant and equipment		(580)		(671)		(546)
Proceeds from sale of property, plant and equipment		3		_		172
Purchases of available-for-sale securities and other investments		(693)		(80)		(367)
Maturities and sales of available-for-sale securities and other investments		417		771		847
Collateral posted for derivative instruments		(163)		(32)		(1,165)
Collateral returned for derivative instruments		_		32		1,379
Payments made in connection with business acquisitions, net of cash acquired				(458)		(1,036)
Net cash used in investing activities		(1,016)		(438)		(716)
Cash flows from financing activities:		_		_		
(Payments of) Proceeds from short-term borrowings with original maturities less than 90 days, net		_		(856)		743
Proceeds from short-term borrowings with original maturities greater than 90 days		27		_		712
Proceeds from debt, net of issuance costs		3,081		127		_
Payment of short-term borrowings with original maturities greater than 90 days		_		_		(1,596)
Payment of debt		(1,849)		(680)		(2,098)
Stock-based award activities and others		(128)		(61)		52
Repurchase of common stock		(3,107)		(2,405)		(2,557)
Cash dividends paid		(997)		(970)		(899)
Net cash used in financing activities		(2,973)		(4,845)		(5,643)
Increase (decrease) in cash and cash equivalents		327	_	(629)		(1,831)
Cash and cash equivalents at beginning of period		4,537		5,166		6,997
Cash and cash equivalents at end of period	\$	4,864	\$	4,537	\$	5,166
Supplemental cash flow disclosures:	~	.,		.,007	4	2,100
Income taxes paid, net of refunds	\$	464	\$	89	\$	951
Interest expense paid	\$	227		240	\$	329
Supplemental schedule of non-cash activities:	Ų.	227	Ψ	210	Ψ	32)
Purchase of assets under finance leases	\$	19	\$	366	\$	258
Tarenase of assets under manife reases	Ψ	1)	Ψ	500	Ψ	230

Consolidated Statements of Stockholders' Deficit

	Common Stock										
	Number of Shares	Par	· Value	Additional Paid-in Capital		Accumulated Deficit		Accumulated Other Comprehensive Loss		Total Stockholders' Deficit	
				In m	illions, except n	umber of	shares in t	housa	nds		
Balance October 31, 2017	1,649,580	\$	16	\$	380	\$	(2,386)	\$	(1,418)	\$	(3,408)
Net earnings							5,327				5,327
Other comprehensive income, net of taxes									573		573
Comprehensive income											5,900
Issuance of common stock in connection with employee stock plans and other	21,728				47						47
Repurchases of common stock	(111,038)				(32)		(2,515)				(2,547)
Cash dividends (\$0.56 per common share)							(899)				(899)
Stock-based compensation expense					268						268
Balance October 31, 2018	1,560,270	\$	16	\$	663	\$	(473)	\$	(845)	\$	(639)
Net earnings							3,152				3,152
Other comprehensive loss, net of taxes									(380)		(380)
Comprehensive income											2,772
Issuance of common stock in connection with employee stock plans and other	15,047				(69)						(69)
Repurchases of common stock	(117,598)		(1)		(55)		(2,340)				(2,396)
Cash dividends (\$0.64 per common share)							(968)				(968)
Stock-based compensation expense					296						296
Adjustment for adoption of accounting standards							(189)				(189)
Balance October 31, 2019	1,457,719	\$	15	\$	835	\$	(818)	\$	(1,225)	\$	(1,193)
Net earnings							2,844				2,844
Other comprehensive loss, net of taxes									(18)		(18)
Comprehensive income											2,826
Issuance of common stock in connection with employee stock plans and other	14,065				(37)						(37)
Repurchases of common stock	(167,857)		(2)		(113)		(3,017)				(3,132)
Cash dividends (\$0.70 per common share)							(997)				(997)
Stock-based compensation expense					278						278
Adjustment for adoption of accounting standards (Note 1)							27				27
Balance October 31, 2020	1,303,927	\$	13	\$	963	\$	(1,961)	\$	(1,243)	\$	(2,228)
		_									

Notes to Consolidated Financial Statements

Note 1: Summary of Significant Accounting Policies

Basis of Presentation

The accompanying Consolidated Financial Statements of HP and its wholly-owned subsidiaries are prepared in conformity with U.S. GAAP.

Principles of Consolidation

The Consolidated Financial Statements include the accounts of HP and its subsidiaries and affiliates in which HP has a controlling financial interest or is the primary beneficiary. All intercompany balances and transactions have been eliminated.

Reclassifications

HP has reclassified certain prior-year amounts to conform to the current-year presentation.

Use of Estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in HP's Consolidated Financial Statements and accompanying notes. Actual results may differ materially from those estimates. As of October 31, 2020, the extent to which the COVID-19 pandemic will impact our business going forward depends on numerous dynamic factors which we cannot reliably predict. As a result, many of our estimates and assumptions required increased judgment and may carry a higher degree of variability and volatility. As the events continue to evolve with respect to the pandemic, our estimates may materially change in future periods.

Foreign Currency Translation

HP predominantly uses the U.S. dollar as its functional currency. Assets and liabilities denominated in non-U.S. dollars are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for nonmonetary assets and liabilities. Net revenue, costs and expenses denominated in non-U.S. dollars are recorded in U.S. dollars at monthly average exchange rates prevailing during the period. HP includes gains or losses from foreign currency remeasurement in Interest and other, net in the Consolidated Statements of Earnings. Certain foreign subsidiaries designate the local currency as their functional currency, and HP records the translation of their assets and liabilities into U.S. dollars at the balance sheet dates as translation adjustments and includes them as a component of Accumulated other comprehensive loss.

Separation Transaction

On November 1, 2015, Hewlett-Packard Company completed the separation of Hewlett Packard Enterprise Company ("Hewlett Packard Enterprise"), Hewlett-Packard Company's former enterprise technology infrastructure, software, services and financing businesses (the "Separation"). In connection with the Separation, HP and Hewlett Packard Enterprise entered into a separation and distribution agreement, an employee matters agreement and various other agreements which remain enforceable and provide a framework for the continuing relationships between the parties. For more information on the impacts of these agreements, see Note 7, "Supplementary Financial Information", Note 14, "Litigation and Contingencies" and Note 15, "Guarantees, Indemnifications and Warranties".

Recently Adopted Accounting Pronouncements

In August 2017, the FASB issued guidance, which amends the existing accounting standards for derivatives and hedging. The amendment improves the financial reporting of hedging relationships to better represent the economic results of an entity's risk management activities in its financial statements and made certain targeted improvements to simplify the application of the hedge accounting guidance in current U.S. GAAP. HP adopted this guidance in the first quarter of fiscal year 2020. The implementation of this guidance did not have a material impact on its Consolidated Financial Statements.

In February 2016, the FASB issued amended guidance on the accounting for leasing transactions. The primary objective of this update is to increase transparency and comparability among organizations by requiring lessees to recognize a lease liability for the obligation to make lease payments and a right-of-use ("ROU") asset for the right to use the underlying asset over the lease term. The guidance also results in some changes to lessor accounting and requires additional disclosures about all leasing arrangements.

HP adopted the standard (the "new lease standard") as of November 1, 2019 using a modified retrospective approach, with the cumulative effect adjustment to the opening balance of accumulated deficit as of the adoption date. HP elected to apply the practical expedient using the transition option whereby prior comparative periods were not retrospectively adjusted in the Consolidated Financial Statements. HP also elected the package of practical expedients, which does not require reassessment of initial direct costs, classification of a lease, and definition of a lease. The Company has elected not to record leases with an initial term of 12 months or less on the Consolidated Balance Sheets. Lease expense on such leases is recognized on a straight-line basis over the lease term. HP has also elected the lessee practical expedient to combine lease and non-lease components for certain asset classes.

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

The adoption of the new lease standard resulted in the recognition of \$1.2 billion in operating lease liabilities and \$1.2 billion of related ROU assets on the Consolidated Balance Sheets. The net impact of adoption to accumulated deficit as on November 1, 2019 is not material. As of November 1, 2019, there were no material finance leases for which HP was a lessee.

The new lease standard also made some changes to lessor accounting, including alignment with the new revenue recognition standard. HP now records revenue upfront on certain aspects of its as-a-service offerings and reflects financing of these offerings as cash flows from financing activities on the Consolidated Statements of Cash Flows. These changes did not have a material impact on the Consolidated Financial Statements.

Refer to Note 17, "Leases", for additional disclosures related to leases.

Recently Issued Accounting Pronouncements Not Yet Adopted

In June 2016, the FASB issued guidance, which requires credit losses on financial assets measured at amortized cost basis to be presented at the net amount expected to be collected, not based on incurred losses. Further, credit losses on available-for-sale debt securities should be recorded through an allowance for credit losses limited to the amount by which fair value is below amortized cost. HP will adopt the guidance in the first quarter of fiscal year 2021 using a modified retrospective approach. HP has evaluated the impact of this standard on the consolidated financial statements, including accounting policies, processes, and systems and does not expect it to have a material impact on the Consolidated Financial Statements.

Revenue Recognition

General

HP recognizes revenues at a point in time or over time depicting the transfer of promised goods or services to customers in an amount that reflects the consideration to which HP expects to be entitled in exchange for those goods or services. HP follows the five-step model for revenue recognition as summarized below:

- 1. Identify the contract with a customer A contract with customer exists when (i) it is approved and signed by all parties,
 - (ii) each party's rights and obligations can be identified, (iii) payment terms are defined, (iv) it has commercial substance and (v) the customer has the ability and intent to pay. HP evaluates customers' ability to pay based on various factors like historical payment experience, financial metrics and customer credit scores. While the majority of our sales contracts contain standard terms and conditions, there are certain contracts with non-standard terms and conditions.
- 2. *Identify the performance obligations in the contract* HP evaluates each performance obligation in an arrangement to determine whether it is distinct, such as hardware and/or service. A performance obligation constitutes distinct goods or services when the customer can benefit from such goods or services either on its own or together with other resources that are readily available to the customer and the performance obligation is distinct within the context of the contract.
- 3. Determine the transaction price Transaction price is the amount of consideration to which HP expects to be entitled in exchange for transferring goods or services to the customer. If the transaction price includes a variable amount, HP estimates the amount it expects to be entitled to using either the expected value or the most likely amount method.
- HP reduces the transaction price at the time of revenue recognition for customer and distributor programs and incentive
 - offerings, rebates, promotions, other volume-based incentives and expected returns. HP uses estimates to determine the expected variable consideration for such programs based on factors like historical experience, expected consumer behavior and market conditions.
- HP has elected the practical expedient of not accounting for significant financing components if the period between
 - revenue recognition and when the customer pays for the product or service is one year or less.
- 4. Allocate the transaction price to performance obligations in the contract When a sales arrangement contains multiple performance obligations, such as hardware and/or services, HP allocates revenue to each performance obligation in proportion to their selling price. The selling price for each performance obligation is based on its Standalone Selling Price ("SSP"). HP establishes SSP using the price charged for a performance obligation when sold separately ("observable price") and, in some instances, using the price established by management having the relevant authority. When observable price is not available, HP establishes SSP based on management judgment considering internal factors such as margin objectives, pricing practices and controls, customer segment pricing strategies and the product life cycle. Consideration is also given to market conditions such as competitor pricing strategies and technology industry life cycles.
- 5. Recognize revenue when (or as) the performance obligation is satisfied Revenue is recognized when, or as, a performance obligation is satisfied by transferring control of a promised good or service to a customer. HP generally invoices the customer upon delivery of the goods or services and the payments are due as per contract terms. For fixed price support or maintenance contracts that are in the nature of stand-ready obligations, payments are generally received in advance from customers and revenue is recognized on a straight-line basis over the duration of the contract.

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

HP reports revenue net of any taxes collected from customers and remitted to government authorities, and the collected taxes are recorded as other current liabilities until remitted to the relevant government authority. HP includes costs related to shipping and handling in Cost of revenue.

HP records revenue on a gross basis when HP is a principal in the transaction and on a net basis when HP is acting as an agent between the customer and the vendor. HP considers several factors to determine whether it is acting as a principal or an agent, most notably whether HP is the primary obligor to the customer, has established its own pricing and has inventory and credit risks.

Hardware

HP transfers control of the products to the customer at the time the product is delivered to the customer and recognizes revenue accordingly, unless customer acceptance is uncertain or significant obligations to the customer remain unfulfilled. HP records revenue from the sale of equipment under sales-type leases as revenue at the commencement of the lease.

Somicos

HP recognizes revenue from fixed-price support, maintenance and other service contracts over time depicting the pattern of service delivery and recognizes the costs associated with these contracts as incurred.

Contract Assets and Liabilities

Contract assets are rights to consideration in exchange for goods or services that HP has transferred to a customer when such right is conditional on something other than the passage of time. Such contract assets are not material to HP's Consolidated Financial Statements.

Contract liabilities are recorded as deferred revenues when amounts invoiced to customers are more than the revenues recognized or when payments are received in advance for fixed-price support or maintenance contracts. The short-term and long-term deferred revenues are reported within the other current liabilities and other non-current liabilities respectively.

Cost to obtain a contract and fulfillment cost

Incremental direct costs of obtaining a contract primarily consist of sales commissions. HP has elected the practical expedient to expense as incurred the costs to obtain a contract with a benefit period equal to or less than one year. For contracts with a period of benefit greater than one year, HP capitalizes incremental costs of obtaining a contract with a customer and amortizes these costs over their expected period of benefit provided such costs are recoverable.

Fulfillment costs consist of set-up and transition costs related to other service contracts. These costs generate or enhance resources of HP that will be used in satisfying the performance obligation in the future and are capitalized and amortized over the expected period of the benefit, provided such costs are recoverable.

See Note 7, "Supplementary Financial Information" for details on net revenue by region, cost to obtain a contract and fulfillment cost, contract liabilities and value of remaining performance obligations.

HP adopted the new revenue standard in the first quarter of fiscal year 2019 using the modified retrospective method applied to contracts that were not completed as of November 1, 2018. HP recognized the net impact of adoption as an increase to accumulated deficit by \$212 million, net of tax, on November 1, 2018.

Leases

At the inception of a contract, HP assesses whether the contract is, or contains, a lease. The assessment is based on (1) whether the contract involves the use of a distinct identified asset, (2) whether HP obtains the right to substantially all the economic benefit from the use of the asset throughout the period, and (3) whether HP has the right to direct the use of the asset.

All significant lease arrangements are recognized at lease commencement. Leases with a lease term of 12 months or less at inception are not recorded on the Consolidated Balance Sheets and are expensed on a straight-line basis over the lease term in the Consolidated Statement of Earnings. HP determines the lease term by assuming the exercise of renewal options that are reasonably certain. As most of the leases do not provide an implicit interest rate, HP uses the unsecured borrowing rate and risk-adjusts that rate to approximate a collateralized rate at the commencement date to determine the present value of future payments that are reasonably certain.

Stock-Based Compensation

HP determines stock-based compensation expense based on the measurement date fair value of the award. HP recognizes compensation cost only for those awards expected to meet the service and performance vesting conditions on a straight-line basis over the requisite service period of the award. HP determines compensation costs at the aggregate grant level for service-based awards and at the individual vesting tranche level for awards with performance and/or market conditions. HP estimates the forfeiture rate based on its historical experience.

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

Retirement and Post-Retirement Plans

HP has various defined benefit, other contributory and non-contributory retirement and post-retirement plans. HP generally amortizes unrecognized actuarial gains and losses on a straight-line basis over the average remaining estimated service life of participants. In limited cases, HP amortizes actuarial gains and losses using the corridor approach. See Note 4, "Retirement and Post-Retirement Benefit Plans" for a full description of these plans and the accounting and funding policies.

Advertising cost

Costs to produce advertising are expensed as incurred during production. Costs to communicate advertising are expensed when the advertising is first run. Such costs totaled approximately \$578 million, \$652 million and \$568 million in fiscal years 2020, 2019 and 2018, respectively.

Restructuring and Other Charges

HP records charges associated with management-approved restructuring plans to reorganize one or more of HP's business segments, to remove duplicative headcount and infrastructure associated with business acquisitions or to simplify business processes and accelerate innovation. Restructuring charges can include severance costs to reduce a specified number of employees, enhanced early retirement incentives, infrastructure charges to vacate facilities and consolidate operations, and contract cancellation costs. HP records restructuring charges based on estimated employee terminations, committed early retirements and site closure and consolidation plans. HP accrues for severance and other employee separation costs under these actions when it is probable that benefits will be paid and the amount is reasonably estimable. The rates used in determining severance accruals are based on existing plans, historical experiences and negotiated settlements. Other charges include non-recurring costs, including those as a result of Separation, information technology rationalization efforts and proxy contest activities, and are distinct from ongoing operational costs.

Taxes on Earnings

HP recognizes deferred tax assets and liabilities for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts using enacted tax rates in effect for the year the differences are expected to reverse. HP records a valuation allowance to reduce the deferred tax assets to the amount that is more likely than not to be realized.

HP records accruals for uncertain tax positions when HP believes that it is not more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. HP makes adjustments to these accruals when facts and circumstances change, such as the closing of a tax audit or the refinement of an estimate. The provision for income taxes includes the effects of adjustments for uncertain tax positions, as well as any related interest and penalties.

Accounts Receivable

HP establishes an allowance for doubtful accounts for accounts receivable. HP records a specific reserve for individual accounts when HP becomes aware of specific customer circumstances, such as in the case of a bankruptcy filing or deterioration in the customer's operating results or financial position. If there are additional changes in circumstances related to the specific customer, HP further adjusts estimates of the recoverability of receivables. HP maintains bad debt reserves for all other customers based on a variety of factors, including the use of third-party credit risk models that generate quantitative measures of default probabilities based on market factors, the financial condition of customers, the length of time receivables are past due, trends in the weighted-average risk rating for the portfolio, macroeconomic conditions, information derived from competitive benchmarking, significant one-time events and historical experience. The past due or delinquency status of a receivable is based on the contractual payment terms of the receivable.

HP has third-party short-term financing arrangements intended to facilitate the working capital requirements of certain customers. These financing arrangements, which in certain cases provide for partial recourse, result in the transfer of HP's trade receivables to a third party. HP reflects amounts transferred to, but not yet collected from the third party in accounts receivable in the Consolidated Balance Sheets. For arrangements involving an element of recourse, the fair value of the recourse obligation is measured using market data from similar transactions and reported as a current liability in the Consolidated Balance Sheets. *Concentrations of Risk*

Financial instruments that potentially subject HP to significant concentrations of credit risk consist principally of cash and cash equivalents, investments, receivables from trade customers and contract manufacturers and derivatives.

HP maintains cash and cash equivalents, investments, derivatives and certain other financial instruments with various financial institutions. These financial institutions are located in many different geographic regions, and HP's policy is designed to limit exposure from any particular institution. As part of its risk management processes, HP performs periodic evaluations of

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

the relative credit standing of these financial institutions. HP has not sustained material credit losses from instruments held at these financial institutions. HP utilizes derivative contracts to protect against the effects of foreign currency, interest rate and, on certain investment exposures. Such contracts involve the risk of non-performance by the counterparty, which could result in a material loss. The likelihood of which HP deems to be remote.

HP sells a significant portion of its products through third-party distributors and resellers and, as a result, maintains individually significant receivable balances with these parties. If the financial condition or operations of these distributors' and resellers' aggregated business deteriorates substantially, HP's operating results could be adversely affected. The ten largest distributor and reseller receivable balances, which were concentrated primarily in North America and Europe, collectively represented approximately 47% and 32% of gross accounts receivable as of October 31, 2020 and 2019, respectively. No single customer accounts for more than 10% of gross accounts receivable as of October 31, 2020 or 2019. Credit risk with respect to other accounts receivable is generally diversified due to HP's large customer base and their dispersion across many different industries and geographic markets. HP performs ongoing credit evaluations of the financial condition of its third-party distributors, resellers and other customers and may require collateral, such as letters of credit and bank guarantees, in certain circumstances.

HP utilizes outsourced manufacturers around the world to manufacture HP-designed products. HP may purchase product components from suppliers and sell those components to its outsourced manufacturers thereby creating receivable balances from the outsourced manufacturers. The three largest outsourced manufacturer receivable balances collectively represented 89% and 77% of HP's supplier receivables of \$1.2 billion and \$1.2 billion as of October 31, 2020 and 2019, respectively. HP includes the supplier receivables in Other current assets in the Consolidated Balance Sheets on a gross basis. HP's credit risk associated with these receivables is mitigated wholly or in part, by the amount HP owes to these outsourced manufacturers, as HP generally has the legal right to offset its payables to the outsourced manufacturers against these receivables. HP does not reflect the sale of these components in net revenue and does not recognize any profit on these component sales until the related products are sold by HP, at which time any profit is recognized as a reduction to cost of revenue.

HP obtains a significant number of components from single source suppliers due to technology, availability, price, quality or other considerations. The loss of a single source supplier, the deterioration of HP's relationship with a single source supplier, or any unilateral modification to the contractual terms under which HP is supplied components by a single source supplier could adversely affect HP's net revenue, cash flows and gross margins.

Upon completion of the Separation on November 1, 2015, HP recorded net income tax indemnification receivables from Hewlett Packard Enterprise for certain income tax liabilities that HP is jointly and severally liable for, but for which it is indemnified by Hewlett Packard Enterprise under the tax matters agreement ("TMA"). The TMA was terminated during the fourth quarter of fiscal year 2019.

HP values inventory at the lower of cost or market. Cost is computed using standard cost which approximates actual cost on a first-in, first-out basis. Adjustments, if required, to reduce the cost of inventory to market (net realizable value) are made, for estimated excess, obsolete or impaired balances.

Property. Plant and Equipment. Net

HP reflects property, plant and equipment at cost less accumulated depreciation. HP capitalizes additions and improvements and expenses maintenance and repairs as incurred. Depreciation expense is recognized on a straight-line basis over the estimated useful lives of the assets. Estimated useful lives are five to 40 years for buildings and improvements and three to 15 years for machinery and equipment. HP depreciates leasehold improvements over the life of the lease or the asset, whichever is shorter. HP depreciates equipment held for lease over the initial term of the lease to the equipment's estimated residual value. On retirement or disposition, the asset cost and related accumulated depreciation are removed from the Consolidated Balance Sheets with any gain or loss recognized in the Consolidated Statements of Earnings.

Internal Use Software and Cloud Computing Arrangements

HP capitalizes external costs and directly attributable internal costs to acquire or create internal use software which are incurred subsequent to the completion of the preliminary project stage. These costs relate to activities such as software design, configuration, coding, testing, and installation. Costs related to post-implementation activities such as training and maintenance are expensed as incurred. Once the software is substantially complete and ready for its intended use, capitalized development costs are amortized straight-line over the estimated useful life of the software, generally not to exceed five years.

HP also enters into certain cloud-based software hosting arrangements that are accounted for as service contracts. For internal-use software obtained through a hosting arrangement that is in the nature of a service contract, HP incurs certain implementation costs such as integrating, configuring, and software customization, which are consistent with costs incurred

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

during the application development stage for on-premise software. HP applies the same guidance to determine costs that are eligible for capitalization. For these arrangements, HP amortizes the capitalized development costs straight-line over the fixed, non-cancellable term of the associated hosting arrangement plus any reasonably certain renewal periods. HP also applies the same impairment model to both internal-use software and capitalized implementation costs in a software hosting arrangement that is in the nature of a service contract.

Business Combinations

HP includes the results of operations of the acquired business in HP's consolidated results prospectively from the acquisition date. HP allocates the purchase consideration to the assets acquired, liabilities assumed, and non-controlling interests in the acquired entity generally based on their fair values at the acquisition date. The excess of the fair value of purchase consideration over the fair value of these assets acquired, liabilities assumed and non-controlling interests in the acquired entity is recorded as goodwill. The primary items that generate goodwill include the value of the synergies between the acquired company and HP, and the value of the acquired assembled workforce, neither of which qualify for recognition as an intangible asset. Acquisition-related charges are recognized separately from the business combination and are expensed as incurred. These charges primarily include, direct third-party professional and legal fees, and integration-related costs.

Goodwill

HP reviews goodwill for impairment annually during its fourth quarter and whenever events or changes in circumstances indicate the carrying amount of goodwill may not be recoverable. HP can elect to perform a qualitative assessment to test a reporting unit's goodwill for impairment or HP can directly perform the quantitative impairment test. Based on the qualitative assessment, if HP determines that the fair value of a reporting unit is more likely than not (i.e., a likelihood of more than 50 percent) to be less than its carrying amount, a quantitative impairment test will be performed.

In the quantitative impairment test, HP compares the fair value of each reporting unit to its carrying amount with the fair values derived most significantly from the income approach, and to a lesser extent, the market approach. Under the income approach, HP estimates the fair value of a reporting unit based on the present value of estimated future cash flows. HP bases cash flow projections on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. HP bases the discount rate on the weighted-average cost of capital adjusted for the relevant risk associated with business-specific characteristics and the uncertainty related to the reporting unit's ability to execute on the projected cash flows. Under the market approach, HP estimates fair value based on market multiples of revenue and earnings derived from comparable publicly-traded companies with similar operating and investment characteristics as the reporting unit. HP weights the fair value derived from the market approach depending on the level of comparability of these publicly-traded companies to the reporting unit. When market comparables are not meaningful or not available, HP estimates the fair value of a reporting unit using only the income approach.

In order to assess the reasonableness of the estimated fair value of HP's reporting units, HP compares the aggregate reporting unit fair value to HP's market capitalization on an overall basis and calculates an implied control premium (the excess of the sum of the reporting units' fair value over HP's market capitalization on an overall basis). HP evaluates the control premium by comparing it to observable control premiums from recent comparable transactions. If the implied control premium is determined to not be reasonable in light of these recent transactions, HP re-evaluates its reporting unit fair values, which may result in an adjustment to the discount rate and/or other assumptions. This re-evaluation could result in a change to the estimated fair value for certain or all reporting units.

If the fair value of a reporting unit exceeds the carrying amount of the net assets assigned to that reporting unit, goodwill is not impaired. If the fair value of the reporting unit is less than its carrying amount, goodwill is impaired and the excess of the reporting unit's carrying value over the fair value is recognized as an impairment loss.

Debt and Marketable Equity Securities Investments

HP determines the appropriate classification of its investments at the time of purchase and re-evaluates the classifications at each balance sheet date. Debt and marketable equity securities are generally considered available-for-sale. All highly liquid investments with maturities of three months or less at the date of purchase are classified as cash equivalents. Marketable debt securities with maturities of twelve months or less are classified as short-term investments and marketable debt securities with maturities greater than twelve months are classified based on their availability for use in current operations. Marketable equity securities, including mutual funds, are classified as either short-term or long-term based on the nature of each security and its availability for use in current operations.

Debt and marketable equity securities are reported at fair value with unrealized gains and losses, net of applicable taxes, in Accumulated other comprehensive loss, Consolidated Statement of Earnings and the Consolidated Balance Sheets. Realized gains and losses on available-for-sale securities are calculated based on the specific identification method and included in

Notes to Consolidated Financial Statements (Continued)

Note 1: Summary of Significant Accounting Policies (Continued)

Interest and other, net in the Consolidated Statements of Earnings. HP monitors its investment portfolio for potential impairment on a quarterly basis. When the carrying amount of an investment in debt securities exceeds its fair value and the decline in value is determined to be other-than-temporary (i.e., when HP does not intend to sell the debt securities and it is not more likely than not that HP will be required to sell the debt securities prior to anticipated recovery of its amortized cost basis), HP records an impairment charge to Interest and other, net in the amount of the credit loss and the remaining amount, if any, is recorded in Accumulated other comprehensive loss in the Consolidated Balance Sheets.

Derivatives

HP uses derivative instruments, primarily forwards, swaps, treasury rate locks and at times, options, to hedge certain foreign currency, interest rate, and return on certain investment exposures. HP also may use other derivative instruments not designated as hedges, such as forwards used to hedge foreign currency balance sheet exposures. HP does not use derivative instruments for speculative purposes. See Note 10, "Financial Instruments" for a full description of HP's derivative instrument activities and related accounting policies.

Loss Contingencies

HP is involved in various lawsuits, claims, investigations and proceedings that arise in the ordinary course of business. HP records a liability for contingencies when it believes it is both probable that a liability has been incurred and the amount of the loss can be reasonably estimated. See Note 14, "Litigation and Contingencies" for a full description of HP's loss contingencies and related accounting policies.

Notes to Consolidated Financial Statements (Continued)

Note 2: Segment Information

HP is a leading global provider of personal computing and other access devices, imaging and printing products, and related technologies, solutions and services. HP sells to individual consumers, small- and medium-sized businesses ("SMBs") and large enterprises, including customers in the government, health and education sectors. HP goes to market through its extensive channel network and direct sales.

HP's operations are organized into three reportable segments: Personal Systems, Printing and Corporate Investments. HP's organizational structure is based on many factors that the chief operating decision maker ("CODM") uses to evaluate, view and run its business operations, which include, but are not limited to, customer base and homogeneity of products and technology. The segments are based on this organizational structure and information reviewed by HP's CODM to evaluate segment results. The CODM uses several metrics to evaluate the performance of the overall business, including earnings from operations, and uses these results to allocate resources to each of the segments.

A summary description of each segment is as follows:

Personal Systems offers commercial and consumer desktop and notebook ("PCs"), workstations, thin clients, commercial mobility devices, retail point-of-sale ("POS") systems, displays and other related accessories, software, support and services. HP groups commercial notebooks, commercial desktops, commercial services, commercial mobility devices, commercial detachables and convertibles, workstations, retail POS systems and thin clients into commercial PCs and consumer notebooks, consumer desktops, consumer services and consumer detachables into consumer PCs when describing performance in these markets. Described below are HP's global business capabilities within Personal Systems:

- Commercial PCs are optimized for use by enterprise, public sector which includes education, and SMB customers, with a focus on robust designs, security, serviceability, connectivity, reliability and manageability in networked and cloud-based environments. Additionally, HP offers a range of services and solutions to enterprise, public sector and SMB customers to help them manage the lifecycle of their PC and mobility installed base.
- Consumer PCs are optimized for consumer usage, focusing on gaming, learning and working remotely, consuming multi-media for entertainment, managing personal life activities, staying connected, sharing information, getting things done for work including creating content, staying informed and secure.

Personal Systems groups its global business capabilities into the following business units when reporting business performance:

- · Notebooks consists of consumer notebooks, commercial notebooks, mobile workstations and commercial mobility devices;
- Desktops includes consumer desktops, commercial desktops, thin clients, and retail POS systems;
- Workstations consists of desktop workstations and accessories; and
- Other consists of consumer and commercial services as well as other Personal Systems capabilities.

Printing provides consumer and commercial printer hardware, supplies, services and solutions. Printing is also focused on imaging solutions in the commercial and industrial markets. Described below are HP's global business capabilities within Printing.

- Office Printing Solutions delivers HP's office printers, supplies, services and solutions to SMBs and large enterprises. It also includes OEM hardware and solutions, and some Samsung-branded supplies.
- Home Printing Solutions delivers innovative printing products, supplies, services and solutions for the home, home business and micro business customers utilizing both HP's Ink and Laser technologies. It also includes some Samsung-branded supplies.
- Graphics Solutions delivers large-format, commercial and industrial solutions and supplies to print service providers and packaging converters through a wide portfolio of printers and presses (HP DesignJet, HP Latex, HP Indigo and HP PageWide Web Presses).
- 3D Printing & Digital Manufacturing offers a portfolio of additive manufacturing solutions and supplies to help customers succeed in their additive and digital manufacturing journey. HP offers complete solutions in collaboration with an ecosystem of partners.

Printing groups its global business capabilities into the following business units when reporting business performance:

Notes to Consolidated Financial Statements (Continued)

Note 2: Segment Information (Continued)

- · Commercial Hardware consists of office printing solutions, graphics solutions and 3D printing & digital manufacturing, excluding supplies;
- Consumer Hardware consists of home printing solutions, excluding supplies; and
- Supplies comprises a set of highly innovative consumable products, ranging from ink and laser cartridges to media, graphics supplies and 3D printing & digital manufacturing supplies, for recurring use in consumer and commercial hardware.

Corporate Investments includes HP Labs and certain business incubation and investment projects.

The accounting policies HP uses to derive segment results are substantially the same as those used by HP in preparing these financial statements. HP derives the results of the business segments directly from its internal management reporting system.

HP does not allocate certain operating expenses, which it manages at the corporate level, to its segments. These unallocated amounts include certain corporate governance costs and infrastructure investments, stock-based compensation expense, restructuring and other charges, acquisition-related charges and amortization of intangible assets.

Notes to Consolidated Financial Statements (Continued)

Note 2: Segment Information (Continued)

Segment Operating Results from Operations and the reconciliation to HP consolidated results were as follows:

		For the fiscal years ended October					
		2020		2019		2018	
			In	millions			
Net revenue:							
Notebooks	\$	25,766	\$	22,928	\$	22,547	
Desktops		9,806		12,046		11,567	
Workstations		1,816		2,389		2,246	
Other		1,609		1,331		1,301	
Personal Systems		38,997		38,694		37,661	
Supplies		11,586		12,921		13,575	
Commercial Hardware		3,539		4,612		4,514	
Consumer Hardware		2,516		2,533		2,716	
Printing		17,641		20,066		20,805	
Corporate Investments		2		2		5	
Total segment net revenue		56,640		58,762		58,471	
Other		(1)		(6)		1	
Total net revenue	\$	56,639	\$	58,756	\$	58,472	
Earnings before taxes:							
Personal Systems	\$	2,312	\$	1,898	\$	1,402	
Printing	Ψ	2,495	Ψ	3,202	Ψ	3,314	
Corporate Investments		(69)		(96)		(82)	
Total segment earnings from operations	\$	4,738	\$	5,004	\$	4,634	
Corporate and unallocated costs and other		(407)		(404)		(200)	
Stock-based compensation expense		(278)		(297)		(268)	
Restructuring and other charges		(462)		(275)		(132)	
Acquisition-related charges		(16)		(35)		(123)	
Amortization of intangible assets		(113)		(116)		(80)	
Interest and other, net		(231)		(1,354)		(818)	
Total earnings before taxes	\$	3,231	\$	2,523	\$	3,013	

Segment Assets

HP allocates assets to its business segments based on the segments primarily benefiting from the assets. Total assets by segment and the reconciliation of segment assets to HP consolidated assets were as follows:

 As of Octo	ober 31
 2020	2019
In milli	ions
\$ 14,697	\$ 14,092
14,170	14,309
3	4
5,811	5,062
\$ 34,681	\$ 33,467
\$	2020 In mill \$ 14,697 5 14,170 3 5,811

Notes to Consolidated Financial Statements (Continued)

Note 2: Segment Information (Continued)

Major Customers

No single customer represented 10% or more of HP's net revenue in any fiscal year presented.

Geographic Information

Net revenue by country is based upon the sales location that predominately represents the customer location. For each of the fiscal years of 2020, 2019 and 2018, other than the United States, no country represented more than 10% of HP net revenue.

Net revenue by country in which HP operates was as follows:

	 For the fiscal years ended October 31								
	 2020		2018						
			In millions		_				
United States	\$ 20,227	\$	20,605	\$	20,602				
Other countries	36,412		38,151		37,870				
Total net revenue	\$ 56,639	\$	58,756	\$	58,472				

Net property, plant and equipment by country in which HP operates was as follows:

	 As of O	ctober 3	31
	 2020		2019
	In m	illions	
United States	\$ 1,262	\$	1,260
Singapore	326		372
Other countries	1,039		1,162
Total property, plant and equipment, net	\$ 2,627	\$	2,794

No single country other than those represented above exceeds 10% or more of HP's total net property, plant and equipment in any fiscal year presented.

Notes to Consolidated Financial Statements (Continued)

Note 3: Restructuring and Other Charges

Summary of Restructuring Plans

HP's restructuring activities in fiscal years 2020, 2019 and 2018 summarized by plan were as follows:

		Fiscal 202	0 Plan	_		
	Seve	erance and EER	Non-labor	0	ther prior year plans ⁽¹⁾	Total
			In n	illions		
Accrued balance as of October 31, 2017	\$	_	\$ -	- \$	108	\$ 108
Charges		_	_	_	99	99
Cash payments		_	_	_	(175)	(175)
Non-cash and other adjustments					27	27
Accrued balance as of October 31, 2018		_	_		59	59
Charges		82	_	_	165	247
Cash payments		_	_	_	(140)	(140)
Non-cash and other adjustments		(6)			(18)	(24)
Accrued balance as of October 31, 2019		76	_	_	66	142
Charges		346	1	0	1	357
Cash payments		(319)	(10	0)	(52)	(381)
Non-cash and other adjustments		(48) (2)			(3)	(51)
Accrued balance as of October 31, 2020	\$	55	\$ -	\$	12	\$ 67
Total costs incurred to date as of October 31, 2020	\$	428	\$ 10	\$	1,817	\$ 2,255
Reflected in Consolidated Balance Sheets:						
Other current liabilities	\$	55	\$ -	- \$	12	\$ 67

⁽¹⁾ Primarily includes the fiscal 2017 plan along with other legacy plans, all of which are substantially complete. HP does not expect any further material activity associated with these plans.

Fiscal 2020 Plan

On September 30, 2019, HP's Board of Directors approved the Fiscal 2020 Plan intended to optimize and simplify its operating model and cost structure that HP expects will be implemented through fiscal 2022. HP expects to reduce global headcount by approximately 7,000 to 9,000 employees through a combination of employee exits and voluntary EER. HP estimates that it will incur pre-tax charges of approximately \$1.0 billion relating to labor and non-labor actions. HP expects to incur approximately \$0.9 billion primarily in labor costs related to workforce reductions and the remaining costs will relate to non-labor actions and other charges.

Other charges

Other charges include non-recurring costs, including those as a result of Separation, information technology rationalization efforts and proxy contest activities, and are distinct from ongoing operational costs. These costs primarily relate to third-party legal, professional services and other non-recurring costs. HP incurred \$105 million, \$28 million and \$33 million of other charges in fiscal year 2020, 2019 and 2018, respectively.

⁽²⁾ Includes reclassification of liability related to the Enhanced Early Retirement ("EER") plan of \$44 million for certain healthcare and medical savings account benefits to pension and other post retirement plans. See Note 4 "Retirement and Post-Retirement Benefit Plans" for further information.

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans

Defined Benefit Plans

HP sponsors a number of defined benefit pension plans worldwide. The most significant defined benefit plan, the HP Inc. Pension Plan ("Pension Plan") is a frozen plan in the United States.

HP reduces the benefit payable to certain U.S. employees under the Pension Plan for service before 1993, if any, by any amounts due to the employee under HP's frozen defined contribution Deferred Profit-Sharing Plan ("DPSP"). At October 31, 2020 and 2019, the fair value of plan assets of the DPSP was \$463 million and \$543 million, respectively. The DPSP obligations are equal to the plan assets and are recognized as an offset to the Pension Plan when HP calculates its defined benefit pension cost and obligations. The Pension Plan and the DPSP both remain entirely with HP post-Separation.

Post-Retirement Benefit Plans

HP sponsors retiree health and welfare benefit plans, of which the most significant are in the United States. Under the HP Inc. Retiree Welfare Benefits Plan, certain pre-2003 retirees and grandfathered participants with continuous service to HP since 2002 are eligible to receive partially subsidized medical coverage based on years of service at retirement. HP's share of the premium cost is capped for all subsidized medical coverage provided under the HP Inc. Retiree Welfare Benefits Plan. HP currently leverages the employer group waiver plan process to provide HP Inc. Retiree Welfare Benefits Plan post-65 prescription drug coverage under Medicare Part D, thereby giving HP access to federal subsidies to help pay for retiree benefits.

Certain employees not grandfathered for partially subsidized medical coverage under the above programs, and employees hired after 2002 but before August 2008, are eligible for credits under the HP Inc. Retiree Welfare Benefits Plan. Credits offered after September 2008 are provided in the form of matching credits on employee contributions made to a voluntary employee beneficiary association upon attaining age 45 or as part of early retirement programs. On retirement, former employees may use these credits for the reimbursement of certain eligible medical expenses, including premiums required for coverage.

Defined Contribution Plans

HP offers various defined contribution plans for U.S. and non-U.S. employees. Total defined contribution expense was \$108 million in fiscal year 2020, \$107 million in fiscal year 2019 and \$110 million in fiscal year 2018.

U.S. employees are automatically enrolled in the HP Inc. 401(k) Plan when they meet eligibility requirements, unless they decline participation. The employer matching contributions in the HP Inc. 401(k) Plan is 100% of the first 4% of eligible compensation contributed by employees, and the employer match is vested after three years of employee service. Generally, an employee must be employed by HP Inc. on the last day of the calendar year to receive a match.

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

Pension and Post-Retirement Benefit Expense

The components of HP's pension and post-retirement (credit) benefit cost recognized in the Consolidated Statements of Earnings were as follows:

					Fo	r the fisc	al ye	ears ended	Octo	ber 31				
	2020	20)19	2018		2020		2019	1	2018	 2020	2	019	2018
			Defined it Plans			N		U.S. Define nefit Plans	d		1		etiremer fit Plans	
							In	millions						
Service cost	\$ —	\$	_	\$ _	\$	64	\$	57	\$	55	\$ 1	\$	1	\$ 1
Interest cost	412		491	452		17		24		24	11		17	15
Expected return on plan assets	(700))	(581)	(717)		(43)		(37)		(39)	(23)		(22)	(23)
Amortization and deferrals:														
Actuarial loss (gain)	64		59	58		43		31		28	(10)		(31)	(17)
Prior service benefit	_		_	_		(2)		(3)		(3)	(12)		(13)	(18)
Net periodic (credit) benefit cost	(224)	<u> </u>	(31)	(207)		79		72		65	(33)		(48)	(42)
Curtailment gain	_			_				(22)						
Settlement loss	217		2	2		1		1		5	_		_	_
Special termination benefit cost	_		_	_		_		_		_	44		6	_
Total (credit) benefit cost	\$ (7)	\$	(29)	\$ (205)	\$	80	\$	51	\$	70	\$ 11	\$	(42)	\$ (42)

The components of net periodic benefit costs other than the service cost component are included in Interest and other, net in our Consolidated Statements of Earnings.

The weighted-average assumptions used to calculate the total periodic (credit) benefit cost were as follows:

				For the fiscal	l years ended O	ctober 31			
	2020	2019	2018	2020	2019	2018	2020	2019	2018
		.S. Defined enefit Plans			n-U.S. Defined Benefit Plans			st-Retirement Benefit Plans	
Discount rate	3.2 %	4.5 %	3.8 %	1.3 %	2.0 %	2.1 %	2.9 %	4.4 %	3.5 %
Expected increase in compensation levels	2.0 %	2.0 %	2.0 %	2.5 %	2.5 %	2.5 %	— %	 %	— %
Expected long-term return on plan assets	6.0 %	6.0 %	6.9 %	4.4 %	4.4 %	4.5 %	5.9 %	6.0 %	7.1 %

Funded Status

The funded status of the defined benefit and post-retirement benefit plans was as follows:

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

	As of October 31											
		2020		2019		2020		2019		2020	2	2019
	U.S. Defined Benefit Plans			Non-U.S. Defined Benefit Plans				Post-Retire Benefit P				
						In mi	llion	s				
Change in fair value of plan assets:												
Fair value of assets — beginning of year	\$	12,017	\$	10,018	\$	969	\$	850	\$	404	\$	388
Acquisition/ deletion of plan		_		_		_		(1)		_		_
Actual return on plan assets		1,260		2,499		22		85		107		44
Employer contributions		34		32		45		44		4		5
Participant contributions		_		_		18		17		45		36
Benefits paid		(422)		(523)		(33)		(28)		(79)		(69)
Settlement		(2,426)		(9)		(7)		(4)		_		_
Currency impact		_		_		50		_		_		
Transfers								6				
Fair value of assets — end of year	\$	10,463	\$	12,017	\$	1,064	\$	969	\$	481	\$	404
Change in benefits obligation												
Projected benefit obligation — beginning of year	\$	13,191	\$	11,167	\$	1,457	\$	1,227	\$	390	\$	397
Acquisition/ deletion of plan				_		3						
Service cost		_		_		64		57		1		1
Interest cost		412		491		17		24		11		17
Participant contributions		_		_		18		17		45		36
Actuarial loss (gain)		589		2,065		78		219		(10)		35
Benefits paid		(422)		(523)		(33)		(28)		(79)		(69)
Plan amendments				_		_		4		(8)		(33)
Curtailment		_		_		_		(63)		_		_
Settlement		(2,426)		(9)		(7)		(4)				_
Special termination benefits		_		_		_		_		44		6
Transfers		_		_		_		7		_		_
Currency impact						67		(3)				_
Projected benefit obligation — end of year	\$	11,344	\$	13,191	\$	1,664	\$	1,457	\$	394	\$	390
Funded status at end of year	\$	(881)	\$	(1,174)	\$	(600)	\$	(488)	\$	87	\$	14
Accumulated benefit obligation	\$	11,344	\$	13,191	\$	1,515	\$	1,320				

The weighted-average assumptions used to calculate the projected benefit obligations for the fiscal years ended October 31, 2020 and 2019 were as follows:

]	For the fiscal years	ended October 31		
	2020	2019	2020	2019	2020	2019
	U.S. De Benefit		Non-U.S. Benefit		Post-Retire Benefit Pl	
Discount rate	2.8 %	3.2 %	1.1 %	1.3 %	2.3 %	2.9 %
Expected increase in compensation levels	2.0 %	2.0 %	2.4 %	2.5 %	 %	 %

The net amounts of non-current assets and current and non-current liabilities for HP's defined benefit and post-retirement benefit plans recognized on HP's Consolidated Balance Sheet were as follows:

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

As of October 31 2020 2020 2019 2020 2019 2019 Post-Retirement Benefit Plans U.S. Defined Non-U.S. Defined Benefit Plans Benefit Plans In millions Other non-current assets \$ 14 93 21 \$ \$ 20 \$ Other current liabilities (35)(36)(8) (7) (5) (6) Other non-current liabilities (846)(1,138)(612)(495)(1) (1) Funded status at end of year (881)\$ (1,174)(600)(488)87 14

The following table summarizes the pre-tax net actuarial loss (gain) and prior service benefit recognized in Accumulated other comprehensive loss for the defined benefit and post-retirement benefit plans.

		A	s of October 31, 2020	
	U.S. Defined Benefit Plans		Non-U.S. Defined Benefit Plans	Post-Retirement Benefit Plans
			In millions	_
Net actuarial loss (gain)	\$ 1,119	\$	475	\$ (220)
Prior service benefit	_		(10)	(90)
Total recognized in Accumulated other comprehensive loss (gain)	\$ 1,119	\$	465	\$ (310)

The following table summarizes HP's pre-tax net actuarial loss (gain) and prior service benefit that are expected to be amortized from Accumulated other comprehensive loss and recognized as components of net periodic benefit cost (credit) during the next fiscal year.

		As	s of October 31, 2020	
	U.S. Defined Benefit Plans		Non-U.S. Defined Benefit Plans	Post-Retirement Benefit Plans
			In millions	
Net actuarial loss (gain)	\$ 59	\$	54	\$ (17)
Prior service benefit	_		(2)	(11)
Total expected to be recognized in net periodic benefit cost (credit)	\$ 59	\$	52	\$ (28)

Defined benefit plans with projected benefit obligations exceeding the fair value of plan assets were as follows:

			As of Oc	tober	31		
	 2020		2020 2019				
		Defined it Plans			Non-U.S Benefi		
			In mi	llions			
Aggregate fair value of plan assets	\$ 10,463	\$	12,017	\$	998	\$	905
Aggregate projected benefit obligation	\$ 11,344	\$	13,191	\$	1,620	\$	1,410

Defined benefit plans with accumulated benefit obligations exceeding the fair value of plan assets were as follows:

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

		As of October 31								
		2020		2019		2020		2019		
		U.S. Defined Benefit Plans				Non-U.S. Defined Benefit Plans				
	·			In mi						
Aggregate fair value of plan assets	\$	10,463	\$	12,017	\$	920	\$	838		
Aggregate accumulated benefit obligation	\$	11,344	\$	13,191	\$	1,419	\$	1,226		

Fair Value of Plan Assets

The table below sets forth the fair value of plan assets by asset category within the fair value hierarchy as of October 31, 2020. Refer to Note 9, "Fair Value" for details on fair value hierarchy. Certain investments that are measured at fair value using the Net Asset Value ("NAV") per share as a practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table provide a reconciliation of the fair value hierarchy to the total value of plan assets.

											As of Oc	tobei	31, 2020										
		U.S. Defined Benefit Plans						Non-U.S. Defined Benefit Plans							Post-Retirement Benefit Plans								
	L	evel 1]	Level 2	Le	evel 3	Total	L	evel 1	L	evel 2	I	evel 3		Total	L	evel 1	I	evel 2	L	evel 3	7	Γotal
											In	milli	ons										
Asset Category:																							
Equity securities(1)	\$	283	\$	51	\$	_	\$ 334	\$	7	\$	75	\$	_	\$	82	\$	1	\$	1			\$	2
Debt securities(2)																							
Corporate		_		5,891		_	5,891		_		124		_		124		_		53		_		53
Government		_		1,758		_	1,758		_		4		_		4		_		136		_		136
Real Estate Funds		_		_		_	_		1		28		_		29		_		_		_		_
Insurance Contracts		_		_		_	_		_		90		_		90		_		_		_		_
Common Collective Trusts and 103-12 Investments Entities ⁽³⁾		_		_		_	_		_		7		_		7		_		_		_		_
Investment Funds(4)		348		_		_	348		_		329		_		329		63				_		63
Cash and Cash Equivalents(5)		11		61		_	72		25		_		_		25		_		1		_		1
Other ⁽⁶⁾		(466)		(19)		_	(485)		1		19				20		(16)				_		(16)
Net plan assets subject to leveling	\$	176	\$	7,742	\$	_	\$ 7,918	\$	34	\$	676	\$		\$	710	\$	48	\$	191	\$	_	\$	239
								_															
Investments using NAV as a Practical Expedient ⁽⁷⁾							2,545								354								242
Investments at Fair Value							\$ 10,463							\$	1,064							\$	481

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

The table below sets forth the fair value of plan assets by asset category within the fair value hierarchy as of October 31, 2019.

						As of Octob	er 31, 2019					
		U.S. Define	ed Benefit Pla	ins	1	Non-U.S. Defin	ned Benefit Pla	ans		Post-Retireme	ent Benefit Pla	ns
	Level 1	Level 1 Level 2 Level 3		Total	Level 1	Level 1 Level 2		Total	Level 1	Level 2	Level 3	Total
						In mil	lions					
Asset Category:												
Equity securities(1)	\$ 697	\$ 58	\$ —	\$ 755	\$ 132	\$ 8	\$ —	\$ 140	\$ —	\$ 1	\$ —	\$ 1
Debt securities ⁽²⁾												
Corporate	_	6,098	_	6,098	_	139	_	139	_	40	_	40
Government	_	2,979	_	2,979	_	19	_	19	_	61	_	61
Real Estate Funds	_	_	_	_	1	69	_	70	_	_	_	_
Insurance Contracts	_	_	_	_	_	78	_	78	_	_	_	_
Common Collective Trusts and 103-12s(3)	_	_	_	_	_	7	_	7	_	_	_	_
Investment Funds(4)	324	_	_	324	_	311	_	311	57	_	_	57
Cash and Cash Equivalents(5)	4	62	_	66	18	_	_	18	_	2	_	2
Other ⁽⁶⁾	(517)	(488)	_	(1,005)	1	16	_	17	(16)	_	_	(16)
Net plan assets subject to leveling	\$ 508	\$ 8,709	\$ —	\$ 9,217	\$ 152	\$ 647	\$ —	\$ 799	\$ 41	\$ 104	\$ —	\$ 145
Investments using NAV as a Practical Expedient(7)				2,800				170				259
Investments at Fair Value				\$ 12,017				\$ 969				\$ 404

- (1) Investments in publicly traded equity securities are valued using the closing price on the measurement date as reported on the stock exchange on which the individual securities are traded.
- (2) The fair value of corporate, government and asset-backed debt securities is based on observable inputs of comparable market transactions. Also included in this category is debt issued by national, state and local governments and agencies.
- (3) Department of Labor 103-12 IE (Investment Entity) designation is for plan assets held by two or more unrelated employee benefit plans which includes limited partnerships and venture capital partnerships. Certain common collective trusts and interests in 103-12 entities are valued using NAV as a practical expedient.
- (4) Includes publicly traded funds of investment companies that are registered with the SEC, funds that are not publicly traded and a non-U.S. fund-of-fund arrangement. The non-U.S. fund-of-fund arrangement is a custom portfolio valued at NAV consisting primarily of fixed income and common contractual funds.
- (5) Includes cash and cash equivalents such as short-term marketable securities. Cash and cash equivalents include money market funds, which are valued based on NAV. Other assets were classified in the fair value hierarchy based on the lowest level input (e.g., quoted prices and observable inputs) that is significant to the fair value measure in its entirety.
- (6) Includes primarily reverse repurchase agreements, unsettled transactions, and derivative instruments.
- (7) These investments include alternative investments, which primarily consist of private equities and hedge funds. The valuation of alternative investments, such as limited partnerships and joint ventures, may require significant management judgment. For alternative investments, valuation is based on NAV as reported by the asset manager or investment company and adjusted for cash flows, if necessary. In making such an assessment, a variety of factors are reviewed by management, including but not limited to the timeliness of NAV as reported by the asset manager and changes in general economic and market conditions subsequent to the last NAV reported by the asset manager.
 - Private equities include limited partnerships such as equity, buyout, venture capital, real estate and other similar funds that invest in the United States and internationally where foreign currencies are hedged.
 - Hedge funds include limited partnerships that invest both long and short primarily in common stocks and credit, relative value, event-driven equity,
 distressed debt and macro strategies. Management of the hedge funds has the ability to shift investments from value to growth strategies, from small to
 large capitalization stocks and bonds, and from a net long position to a net short position.

In addition, these investments include the Common Contractual Fund, which is an investment arrangement in which

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

institutional investors pool their assets. Units may be acquired in different sub-funds focused on equities, fixed income, alternative investments and emerging markets. Each sub-fund is invested in accordance with the fund's investment objective and units are issued in relation to each sub-fund. While the sub-funds are not publicly traded, the custodian strikes a NAV either once or twice a month, depending on the sub-fund. These assets are valued using NAV as a practical expedient. These investments also include Common Collective Trusts and 103-12 Investment Entities as defined in note (3) above and Investment Funds as defined in note (4) above.

Plan Asset Allocations

Refer to the fair value hierarchy table above for actual assets allocations across the benefit plans. The weighted-average target asset allocations across the benefit plans represented in the fair value tables above were as follows:

	2020 Target Allocation									
Asset Category	U.S. Defined Benefit Plans	Non-U.S. Defined Benefit Plans	Post-Retirement Benefit Plans							
Equity-related investments	29.4 %	35.4 %	39.6 %							
Debt securities	70.6 %	33.1 %	48.4 %							
Real estate	<u> </u>	12.1 %	<u> </u>							
Cash and cash equivalents	<u> </u>	3.1 %	12.0 %							
Other	<u> </u>	16.3 %	<u> </u>							
Total	100.0 %	100.0 %	100.0 %							

Investment Policy

HP's investment strategy is to seek a competitive rate of return relative to an appropriate level of risk depending on the funded status of each plan and the timing of expected benefit payments. The majority of the plans' investment managers employ active investment management strategies with the goal of outperforming the broad markets in which they invest. Risk management practices include diversification across asset classes and investment styles and periodic rebalancing toward asset allocation targets. A number of the plans' investment managers are authorized to utilize derivatives for investment or liability exposures, and HP may utilize derivatives to affect asset allocation changes or to hedge certain investment or liability exposures.

The target asset allocation selected for each U.S. plan (pension and post-retirement) reflects a risk/return profile HP believes is appropriate relative to each plan's liability structure and return goals. HP conducts periodic asset-liability studies for U.S. plans to model various potential asset allocations in comparison to each plan's forecasted liabilities and liquidity needs and to develop a policy glide path which adjusts the asset allocation with funded status. A 2021 asset-liability study is planned to reconfirm the current policy glide path for the U.S. Pension Plan. Due to the strong funded status for the U.S. Pension Plan and the high level of liability hedging in the pension assets, no material changes are anticipated other than additional movement to fixed-income investments in the 401(h) account with the U.S. Pension Plan. HP invests a portion of the U.S. defined benefit plan assets and post-retirement benefit plan assets in private market securities such as private equity funds to provide diversification and a higher expected return on assets.

Outside the United States, asset allocation decisions are typically made by an independent board of trustees for the specific plan. As in the United States, investment objectives are designed to generate returns that will enable the plan to meet its future obligations. In some countries, local regulations may restrict asset allocations, typically leading to a higher percentage of investment in fixed-income securities than would otherwise be deployed. HP reviews the investment strategy and where appropriate, can offer some assistance in the selection of investment managers, with final decisions on asset allocation and investment managers made by the board of trustees for the specific plan.

Basis for Expected Long-Term Rate of Return on Plan Assets

The expected long-term rate of return on plan assets reflects the expected returns for each major asset class in which the plan invests and the weight of each asset class in the target mix. Expected asset returns reflect the current yield on government bonds, risk premiums for each asset class and expected real returns which considers each country's specific inflation outlook. Because HP's investment policy is to employ primarily active investment managers who seek to outperform the broader market, the expected returns are adjusted to reflect the expected additional returns net of fees.

Notes to Consolidated Financial Statements (Continued)

Note 4: Retirement and Post-Retirement Benefit Plans (Continued)

Retirement Incentive Program

As part of the Fiscal 2020 Plan, HP announced the voluntary EER program for its U.S. employees in October 2019. Voluntary participation in the EER program was limited to those employees who were at least 50 years old with 20 or more years of service at HP. Employees accepted into the EER program left HP on dates ranging from December 31, 2019 to September 30, 2020. The EER benefit was a cash lump sum payment which was calculated based on years of service at HP at the time of the retirement and ranging from 13 to 52 weeks of pay.

All employees participating in the EER program were offered the opportunity to continue health care coverage at the active employee contribution rates for up to 36 months following retirement. In addition, HP provided up to \$12,000 in employer credits under the Retirement Medical Savings Account ("RMSA") program. In relation to the continued health care coverage and employer credits under the RMSA program, HP recognized special termination benefit costs of \$44 million as restructuring and other charges for the twelve months ended October 31, 2020.

Lump Sum Program

HP offered a lump sum program during the third quarter of fiscal year 2020. Certain terminated vested participants in the HP Inc. Pension Plan ("Pension Plan") could elect to take a one-time voluntary lump sum payment equal to the present value of future benefits. Approximately 12,000 participants elected the lump sum option. Payments of \$2.2 billion were made from plan assets to the participants in the fourth quarter of fiscal year 2020. A non-cash settlement expense of \$214 million arising from the accelerated recognition of previously deferred actuarial losses was recorded in the fourth quarter of fiscal year 2020.

Future Contributions and Funding Policy

In fiscal year 2021, HP expects to contribute approximately \$77 million to its non-U.S. pension plans, \$34 million to cover benefit payments to U.S. non-qualified plan participants and \$5 million to cover benefit claims for HP's post-retirement benefit plans. HP's policy is to fund its pension plans so that it makes at least the minimum contribution required by local government, funding and taxing authorities.

Estimated Future Benefits Payments

As of October 31, 2020, HP estimates that the future benefits payments for the retirement and post-retirement plans are as follows:

Fiscal year	U.S. Defined Benefit Plans	De	n-U.S. fined fit Plans	st-Retirement Benefit Plans
		In 1	millions	
2021	\$ 680	\$	43	\$ 47
2022	680		41	44
2023	682		45	33
2024	690		50	27
2025	699		55	27
Next five fiscal years to October 31, 2030	3,306		323	131

Notes to Consolidated Financial Statements (Continued)

Note 5: Stock-Based Compensation

HP's stock-based compensation plans include incentive compensation plans and an employee stock purchase plan.

Stock-Based Compensation Expense and Related Income Tax Benefits for Operations

Stock-based compensation expense and the resulting tax benefits for operations were as follows:

	For the fiscal years ended October 31									
	2020		2019		2018					
			In millions							
Stock-based compensation expense	\$	278 \$	297	\$	268					
Income tax benefit		(48)	(47)		(59)					
Stock-based compensation expense, net of tax	\$	230 \$	250	\$	209					

Cash received from option exercises and purchases under the HP Inc. 2011 Employee Stock Purchase Plan (the "2011 ESPP") was \$56 million in fiscal year 2020, \$59 million in fiscal year 2019 and \$158 million in fiscal year 2018. The benefit realized for the tax deduction from option exercises in fiscal years 2020, 2019 and 2018 was \$2 million, \$3 million and \$23 million, respectively.

Stock-Based Incentive Compensation Plans

HP's stock-based incentive compensation plans include equity plans adopted in 2004 and 2000, as amended and restated ("principal equity plans"), as well as various equity plans assumed through acquisitions under which stock-based awards are outstanding. Stock-based awards granted under the principal equity plans include restricted stock awards, stock options and performance-based awards. Employees meeting certain employment qualifications are eligible to receive stock-based awards. The aggregate number of shares of HP's stock authorized for issuance under the 2004 principal equity plan is 593.1 million. No further grants may be made under the 2000 principal equity plan and all outstanding awards under this plan will remain outstanding according to the terms of the plan.

Restricted stock awards are non-vested stock awards that may include grants of restricted stock or restricted stock units. Restricted stock awards and cash-settled awards are generally subject to forfeiture if employment terminates prior to the lapse of the restrictions. Such awards generally vest one to three years from the date of grant. During the vesting period, ownership of the restricted stock cannot be transferred. Restricted stock has the same dividend and voting rights as common stock and is considered to be issued and outstanding upon grant. The dividends paid on restricted stock are non-forfeitable. Restricted stock units do not have the voting rights of common stock, and the shares underlying restricted stock units are not considered issued and outstanding upon grant. However, shares underlying restricted stock units are included in the calculation of diluted net EPS. Restricted stock units have forfeitable dividend equivalent rights equal to the dividend paid on common stock. HP expenses the fair value of restricted stock awards ratably over the period during which the restrictions lapse. The majority of restricted stock units issued by HP contain only service vesting conditions. HP also grants performance-adjusted restricted stock units which vest only on the satisfaction of both service and the achievement of certain performance goals including market conditions prior to the expiration of the awards.

Stock options granted under the principal equity plans are generally non-qualified stock options, but the principal equity plans permit some options granted to qualify as incentive stock options under the U.S. Internal Revenue Code. Stock options generally vest over three to four years from the date of grant. The exercise price of a stock option is equal to the closing price of HP's stock on the option grant date. The majority of stock options issued by HP contain only service vesting conditions. Starting in fiscal year 2011 through fiscal year 2016, HP granted performance-contingent stock options that vest only on the satisfaction of both service and market conditions prior to the expiration of the awards.

RSU and stock option grants provide for accelerated vesting in certain circumstances as defined in the plans and related grant agreements, including termination in connection with a change in control.

Restricted Stock Units

HP uses the closing stock price on the grant date to estimate the fair value of service-based restricted stock units. HP estimates the fair value of restricted stock units subject to performance-adjusted vesting conditions using a combination of the closing stock price on the grant date and the Monte Carlo simulation model. The assumptions used to measure the fair value of restricted stock units subject to performance-adjusted vesting conditions in the Monte Carlo simulation model were as follows:

Notes to Consolidated Financial Statements (Continued)

Note 5: Stock-Based Compensation (Continued)

	For the	For the fiscal years ended October 31						
	2020	2019	2018					
Expected volatility(1)	27.6 %	26.5 %	29.5 %					
Risk-free interest rate ⁽²⁾	1.6 %	2.7 %	1.9 %					
Expected performance period in years ⁽³⁾	2.9	2.9	2.9					

- (1) The expected volatility was estimated using the historical volatility derived from HP's common stock.
- (2) The risk-free interest rate was estimated based on the yield on U.S. Treasury zero-coupon issues.
- (3) The expected performance period was estimated based on the length of the remaining performance period from the grant date.

A summary of restricted stock units activity is as follows:

		As of October 31											
	202	20		2019	9		2018						
	Shares		Weighted- Average Grant Date Fair Value Per Share	Shares		Weighted- Average Grant Date Fair Value Per Share	Shares		Weighted- Average Grant Date Fair Value Per Share				
	In thousands		_	In thousands		_	In thousands						
Outstanding at beginning of year	29,960	\$	21	30,784	\$	18	31,822	\$	14				
Granted	18,109	\$	20	17,216	\$	22	16,364	\$	21				
Vested	(14,929)	\$	20	(16,934)	\$	16	(15,339)	\$	15				
Forfeited	(3,309)	\$	21	(1,106)	\$	20	(2,063)	\$	17				
Outstanding at end of year	29,831	\$	21	29,960	\$	21	30,784	\$	18				

The total grant date fair value of restricted stock units vested in fiscal years 2020, 2019 and 2018 was \$297 million, \$273 million and \$224 million, respectively. As of October 31, 2020, total unrecognized pre-tax stock-based compensation expense related to non-vested restricted stock units was \$266 million, which is expected to be recognized over the remaining weighted-average vesting period of 1.4 years.

Stock Options

HP utilizes the Black-Scholes-Merton option pricing formula to estimate the fair value of stock options subject to service-based vesting conditions. HP estimates the fair value of stock options subject to performance-contingent vesting conditions using a combination of a Monte Carlo simulation model and a lattice model as these awards contain market conditions. The weighted-average fair value and the assumptions used to measure fair value were as follows:

	For the fiscal years ended October 31											
		2020		2019		2018						
Weighted-average fair value(1)	\$	3	\$	3	\$	5						
Expected volatility ⁽²⁾		29.8 %		29.8 %		29.4 %						
Risk-free interest rate ⁽³⁾		1.6 %		1.7 %		2.5 %						
Expected dividend yield ⁽⁴⁾		4.0 %		3.7 %		2.6 %						
Expected term in years ⁽⁵⁾		6.0		6.0		5.0						

- (1) The weighted-average fair value was based on stock options granted during the period.
- (2) Expected volatility was estimated based on a blended volatility (50% historical volatility and 50% implied volatility from traded options on HP's common stock).
- (3) The risk-free interest rate was estimated based on the yield on U.S. Treasury zero-coupon issues.
- (4) The expected dividend yield represents a constant dividend yield applied for the duration of the expected term of the award.

Notes to Consolidated Financial Statements (Continued)

Note 5: Stock-Based Compensation (Continued)

(5) For awards subject to service-based vesting, the expected term was estimated using a simplified method; and for performance-contingent awards, the expected term represents an output from the lattice model.

A summary of stock options activity is as follows:

									As of (October 31										
•			2	020			2019						2018							
	Shares	1	/eighted- Average Exercise Price	Weighted- Average Remaining Contractual Term		Aggregate Intrinsic Value	Shares	A	eighted- Average Exercise Price	Weighted- Average Remaining Contractual Term	A	Aggregate Intrinsic Value	Shares	Weighted- Average Exercise S Price		Weighted- Average Remaining Contractual Term			regate rinsic alue	
	In thousands			In years		In millions	In thousands			In years		In millions	In thousands			In years			In llions	
Outstanding at beginning of year	7,093	\$	16				7,086	\$	14				18,067	\$	13					
Granted	996	\$	18				2,451	\$	17				54	\$	21					
Exercised	(2,213)	\$	14				(2,429)	\$	13				(10,644)	\$	13					
Forfeited/cancelled/expired	(239)	\$	19				(15)	\$	10				(391)	\$	16					
Outstanding at end of year	5,637	\$	17	6.4	1 \$	10	7,093	\$	16	5.7	\$	15	7,086	\$	14	4	4.2	\$	73	
Vested and expected to vest	5,637	\$	17	6.4	1 S	10	7,093	\$	16	5.7	\$	15	7,084	\$	14	4	4.2	\$	73	
Exercisable	3,196	\$	15	4.4	1 \$	9	4,707	\$	14	3.6	\$	15	4,707	\$	14		3.7	\$	49	

The aggregate intrinsic value in the table above represents the total pre-tax intrinsic value that option holders would have realized had all option holders exercised their options on the last trading day of fiscal years 2020, 2019 and 2018. The aggregate intrinsic value is the difference between HP's closing stock price on the last trading day of the fiscal year and the exercise price, multiplied by the number of in-the-money options. The total intrinsic value of options exercised in fiscal years 2020, 2019 and 2018 was \$12 million, \$20 million and \$109 million, respectively. The total grant date fair value of options vested in fiscal years 2020, 2019 and 2018 was \$3 million, \$9 million and \$12 million, respectively.

As of October 31, 2020, total unrecognized pre-tax stock-based compensation expense related to stock options was \$7 million, which is expected to be recognized over a weighted-average vesting period of 1.5 years.

Employee Stock Purchase Plan

HP sponsors the 2011 ESPP, pursuant to which eligible employees may contribute up to 10% of base compensation, subject to certain income limits, to purchase shares of HP's common stock.

Pursuant to the terms of the 2011 ESPP, employees purchase stock under the 2011 ESPP at a price equal to 95% of HP's closing stock price on the purchase date. No stock-based compensation expense was recorded in connection with those purchases because the criteria of a non-compensatory plan were met. The aggregate number of shares of HP's stock authorized for issuance under the 2011 ESPP is 100 million. The 2021 ESPP comes into effect on May 1, 2021 upon expiry of the 2011 ESPP. The 2021 ESPP terms are similar to the current ESPP. The aggregate number of shares of HP's stock authorized for issuance under the 2021 ESPP is 50 million.

Shares Reserved

Shares available for future grant and shares reserved for future issuance under the stock-based incentive compensation plans and the 2011 ESPP were as follows:

	As of October 31						
	2020	2019	2018				
		In thousands					
Shares available for future grant	229,334	265,135	305,767				
Shares reserved for future issuance	264,110	301,608	343,076				

Notes to Consolidated Financial Statements (Continued)

Note 6: Taxes on Earnings

Provision for Taxes

The domestic and foreign components of earnings before taxes were as follows:

		For the fiscal years ended October 31										
	_	2020		2019	20	18						
	_			In millions								
J.S.	\$	884	\$	(1,021)	\$	242						
Non-U.S.		2,347		3,544		2,771						
	\$	3,231	\$	2,523	\$	3,013						

The provision for (benefit from) taxes on earnings was as follows:

		For the fiscal years ended October 31				
	20:	20	2019	2018		
			In millions			
U.S. federal taxes:						
Current	\$	(24) \$	(987)	\$ 751		
Deferred		(68)	149	(3,132)		
Non-U.S. taxes:						
Current		319	386	528		
Deferred		164	(3)	(563)		
State taxes:						
Current		23	(160)	61		
Deferred		(27)	(14)	41		
	\$	387 \$	(629)	\$ (2,314)		

As a result of U.S. tax reform, HP revised its estimated annual effective tax rate to reflect the change in the U.S. federal statutory tax rate from 35% to a transitional rate of 23.3% in fiscal year 2018. The 2019 and 2020 U.S. federal statutory tax rate is 21%.

The differences between the U.S. federal statutory income tax rate and HP's effective tax rate were as follows:

	For the fi	For the fiscal years ended October 31						
	2020	2019	2018					
U.S. federal statutory income tax rate from operations	21.0 %	21.0 %	23.3 %					
State income taxes, net of federal tax benefit	1.4 %	1.5 %	0.5 %					
Impact of foreign earnings including GILTI and FDII, net	(6.1)%	(4.4)%	(10.9)%					
U.S. Tax Reform enactment	<u> </u>	(2.6)%	(35.8)%					
Research and development ("R&D") credit	(0.7)%	(1.1)%	(0.7)%					
Valuation allowances	2.3 %	(3.7)%	(9.3)%					
Uncertain tax positions and audit settlements	(4.1)%	(41.1)%	(50.3)%					
Indemnification related items	<u> </u>	6.8 %	5.2 %					
Other, net	(1.8)%	(1.3)%	1.2 %					
	12.0 %	(24.9)%	(76.8)%					

The jurisdictions with favorable tax rates that have the most significant effective tax rate impact in the periods presented include Puerto Rico, Singapore, China, and Malaysia. HP has elected to treat Global Minimum Tax inclusions as period costs.

Notes to Consolidated Financial Statements (Continued)

Note 6: Taxes on Earnings (Continued)

In fiscal year 2020, HP recorded \$244 million of net income tax benefits related to discrete items in the provision for taxes. This amount includes tax benefits related to audit settlements of \$124 million in various jurisdictions and \$82 million related to restructuring benefits. Additionally, HP recorded benefits of \$20 million related to proxy contest costs and \$17 million of other net tax benefits. In fiscal year 2020, excess tax benefits associated with stock options, restricted stock units and performance-adjusted restricted stock units were immaterial.

In fiscal year 2019, HP recorded \$1.3 billion of net income tax benefits related to discrete items in the provision for taxes. This amount includes tax benefits related to audit settlements of \$1.0 billion, \$75 million due to ability to utilize tax attributes, \$57 million of restructuring benefits and net valuation allowance releases of \$94 million. HP also recorded benefits of \$78 million related to U.S. tax reform as a result of new guidance issued by the U.S. Internal Revenue Service ("IRS"). These benefits were partially offset by uncertain tax position charges of \$51 million. In fiscal year 2019, in addition to the discrete items mentioned above, HP recorded excess tax benefits of \$20 million associated with stock options, restricted stock units and performance-adjusted restricted stock units.

In fiscal year 2018, HP recorded \$2.8 billion of net income tax benefits related to discrete items in the provision for taxes which include impacts of the TCJA. HP had not yet completed its analysis of the full impact of the TCJA. However, as of October 31, 2018, HP recorded a provisional tax benefit of \$760 million related to \$5.6 billion net benefit for the decrease in its deferred tax liability on unremitted foreign earnings, partially offset by \$3.3 billion net expense for the deemed repatriation tax payable in installments over eight years, a \$1.2 billion net expense for the remeasurement of its deferred assets and liabilities to the new U.S. statutory tax rate and a \$317 million valuation allowance on net expense related to deferred tax assets that are expected to be realized at a lower rate. HP also recorded tax benefits related to audit settlements of \$1.5 billion and valuation allowance releases of \$601 million pertaining to a change in our ability to utilize certain foreign and U.S. deferred tax assets due to a change in our geographic earnings mix. These benefits were partially offset by other net tax charges of \$34 million. In fiscal year 2018, in addition to the discrete items mentioned above, HP recorded excess tax benefits of \$42 million associated with stock options, restricted stock units and performance-adjusted restricted stock units.

As a result of certain employment actions and capital investments HP has undertaken, income from manufacturing and services in certain countries is subject to reduced tax rates, and in some cases is wholly exempt from taxes, through 2029. The gross income tax benefits attributable to these actions and investments were estimated to be \$344 million (\$0.24 diluted EPS) in fiscal year 2020, \$386 million (\$0.25 diluted net EPS) in fiscal year 2019 and \$578 million (\$0.35 diluted net EPS) in fiscal year 2018.

Uncertain Tax Positions

A reconciliation of unrecognized tax benefits is as follows:

	For the fiscal years ended October 31					
	2020		2019			2018
			In mill	lions		_
Balance at beginning of year	\$	929	\$	7,771	\$	10,808
Increases:						
For current year's tax positions		59		79		66
For prior years' tax positions		71		172		101
Decreases:						
For prior years' tax positions		(89)		(37)		(248)
Statute of limitations expirations		(2)		(15)		(3)
Settlements with taxing authorities		(148)		(7,041)		(2,953)
Balance at end of year	\$	820	\$	929	\$	7,771

As of October 31, 2020, the amount of unrecognized tax benefits was \$820 million, of which up to \$657 million would affect HP's effective tax rate if realized. As of October 31, 2019, the amount of unrecognized tax benefits was \$929 million of which up to \$803 million would affect HP's effective tax rate if realized. The amount of unrecognized tax benefits decreased by \$109 million primarily related to the resolution of various audits. HP recognizes interest income from favorable settlements and interest expense and penalties accrued on unrecognized tax benefits in the provision for taxes in the Consolidated

Notes to Consolidated Financial Statements (Continued)

Note 6: Taxes on Earnings (Continued)

Statements of Earnings. As of October 31, 2020, 2019 and 2018, HP had accrued \$34 million, \$56 million and \$160 million, respectively, for interest and penalties.

HP engages in continuous discussions and negotiations with taxing authorities regarding tax matters in various jurisdictions. HP expects to complete resolution of certain tax years with various tax authorities within the next 12 months. HP believes it is reasonably possible that its existing gross unrecognized tax benefits may be reduced by up to \$107 million within the next 12 months, affecting HP's effective tax rate if realized.

HP is subject to income tax in the United States and approximately 60 other countries and is subject to routine corporate income tax audits in many of these jurisdictions. In addition, HP is subject to numerous ongoing audits by federal, state and foreign tax authorities. The IRS is conducting an audit of HP's 2018 and 2019 income tax returns.

With respect to major state and foreign tax jurisdictions, HP is no longer subject to tax authority examinations for years prior to 2002. No material tax deficiencies have been assessed in major state or foreign tax jurisdictions related to ongoing audits as of October 31, 2020.

The U.S. Tax Court ruled in May 2012 against HP related to certain tax attributes claimed by HP for the tax years 1999 through 2003. HP appealed the U.S. Tax Court determination by filing a formal Notice of Appeal with the Ninth Circuit Court of Appeals. This case was argued before the Ninth Circuit in November 2016. The Ninth Circuit Court of Appeals issued its opinion in November 2017 affirming the Tax Court determinations. In fiscal year 2018, HP decided against further appeal.

HP believes it has provided adequate reserves for all tax deficiencies or reductions in tax benefits that could result from federal, state and foreign tax audits. HP regularly assesses the likely outcomes of these audits in order to determine the appropriateness of HP's tax provision. HP adjusts its uncertain tax positions to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular audit. However, income tax audits are inherently unpredictable and there can be no assurance that HP will accurately predict the outcome of these audits. The amounts ultimately paid on resolution of an audit could be materially different from the amounts previously included in the Provision for taxes and therefore the resolution of one or more of these uncertainties in any particular period could have a material impact on net income or cash flows.

HP has not provided for U.S. federal income and foreign withholding taxes on \$5.7 billion of undistributed earnings from non-U.S. operations as of October 31, 2020 because HP intends to reinvest such earnings indefinitely outside of the United States. Determination of the amount of unrecognized deferred tax liability related to these earnings is not practicable. The TCJA taxed HP's historic earnings and profits of its non-U.S. subsidiaries. HP will remit these taxed reinvested earnings for which deferred U.S. federal and withholding taxes have been provided where excess cash has accumulated and HP determines that it is advantageous for business operations, tax or cash management reasons.

Deferred Income Taxes

The significant components of deferred tax assets and deferred tax liabilities were as follows:

Notes to Consolidated Financial Statements (Continued)

Note 6: Taxes on Earnings (Continued)

	As of O	october 31
	2020	2019
	In n	nillions
Deferred tax assets:		
Loss and credit carryforwards	\$ 7,857	\$ 7,856
Intercompany transactions—excluding inventory	509	714
Fixed assets	120	115
Warranty	203	195
Employee and retiree benefits	411	396
Deferred revenue	134	135
Capitalized research and development	203	193
Intangible assets	467	420
Operating lease liabilities	218	_
Investment in partnership	108	14
Other	531	542
Gross deferred tax assets	10,761	10,580
Valuation allowances	(7,976)	(7,930)
Total deferred tax assets	2,785	2,650
Deferred tax liabilities:		
Unremitted earnings of foreign subsidiaries	(60)	(27)
Right-of-use assets from operating leases	(203)	_
Other	(32)	(63)
Total deferred tax liabilities	(295)	(90)
Net deferred tax assets	\$ 2,490	\$ 2,560

Deferred tax assets and liabilities included in the Consolidated Balance Sheets as follows:

	 As of October 31			
	 2020	2019		
	In mill	ions		
Deferred tax assets	\$ 2,515	\$ 2,620		
Deferred tax liabilities	(25)	(60)		
Total	\$ 2,490	\$ 2,560		

As of October 31, 2020, HP had recorded deferred tax assets for net operating loss ("NOL") carryforwards as follows:

	 Deferred Taxes on Gross NOLs NOLs			Val	uation allowance	Initial Year of Expiration	
			In millions				
Federal	\$ 291	\$	61	\$	(15)	2023	
State	2,737		174		(61)	2020	
Foreign	26,225		7,378		(7,085)	2022	
Balance at end of year	\$ 29,253	\$	7,613	\$	(7,161)		

Notes to Consolidated Financial Statements (Continued)

Note 6: Taxes on Earnings (Continued)

As of October 31, 2020, HP had recorded deferred tax assets for various tax credit carryforwards as follows:

	Carry	forward		Valuation Allowance	Initial Year of Expiration
		In mil	lions		
U.S. foreign tax credits	\$	35	\$	(35)	2030
U.S. R&D and other credits		14		_	2040
Tax credits in state and foreign jurisdictions	\$	321	\$	(59)	2022
Balance at end of year	\$	370	\$	(94)	

Deferred Tax Asset Valuation Allowance

The deferred tax asset valuation allowance and changes were as follows:

	For the fiscal years ended October 31						
	2020		2019			2018	
	In millions						
Balance at beginning of year	\$	7,930	\$	7,906	\$	8,807	
Income tax (benefit) expense		74		(339)		(897)	
Other comprehensive loss (income), currency translation and charges to other accounts		(28)		363		(4)	
Balance at end of year	\$	7,976	\$	7,930	\$	7,906	

Gross deferred tax assets as of October 31, 2020, 2019 and 2018 were reduced by valuation allowances of \$8.0 billion, \$7.9 billion and \$7.9 billion, respectively. In fiscal year 2020, the deferred tax asset valuation allowance increased by \$46 million primarily associated with foreign net operating losses and U.S. deferred tax assets that are anticipated to be realized at a lower effective rate than the federal statutory tax rate due to certain future U.S. international tax reform implications. In fiscal year 2019, the deferred tax asset valuation allowance increased by \$24 million primarily associated with the recognition of the income tax consequences of intra-entity transfers other than inventory. This increase was partially offset by the impact of tax rate changes in foreign jurisdictions and state valuation allowance releases. In fiscal year 2018, the deferred tax asset valuation allowance decreased by \$901 million primarily associated with foreign net operating losses and U.S. deferred tax assets that are anticipated to be realized at a lower effective rate than the federal statutory tax rate due to certain future U.S. international tax reform implications.

Note 7: Supplementary Financial Information

Accounts Receivable, net

	_	As of October 31			
		2020		2019	
		In n	nillions		
Accounts receivable	\$	5,503	\$	6,142	
Allowance for doubtful accounts		(122)		(111)	
	\$	5,381	\$	6,031	

Notes to Consolidated Financial Statements (Continued)

Note 7: Supplementary Financial Information (Continued)

The allowance for doubtful accounts related to accounts receivable and changes were as follows:

	 For the fiscal years ended October 31					
	2020		2019		2018	
			In millions		_	
Balance at beginning of period	\$ 111	\$	129	\$	101	
Provision for doubtful accounts	62		60		57	
Deductions, net of recoveries	(51)		(78)		(29)	
Balance at end of period	\$ 122	\$	111	\$	129	

HP has third-party arrangements, consisting of revolving short-term financing, which provide liquidity to certain partners to facilitate their working capital requirements. These financing arrangements, which in certain circumstances may contain partial recourse, result in a transfer of HP's receivables and risk to the third-party. As these transfers qualify as true sales under the applicable accounting guidance, the receivables are de-recognized from the Consolidated Balance Sheets upon transfer, and HP receives a payment for the receivables from the third-party within a mutually agreed upon time period. For arrangements involving an element of recourse, the recourse obligation is measured using market data from the similar transactions and reported as a current liability on the Consolidated Balance Sheets. The recourse obligations as of October 31, 2020 and 2019 were not material. The costs associated with the sales of trade receivables for fiscal year 2020, 2019 and 2018 were not material.

The following is a summary of the activity under these arrangements:

	For the fiscal years ended October 31					
		2020		2019		2018
				In millions		
Balance at beginning of year (1)	\$	235	\$	165	\$	147
Trade receivables sold		10,474		10,257		10,224
Cash receipts		(10,526)		(10,186)		(10,202)
Foreign currency and other		5		(1)		(4)
Balance at end of year (1)	\$	188	\$	235	\$	165

⁽¹⁾ Amounts outstanding from third parties reported in Accounts Receivable in the Consolidated Balance Sheets.

Inventory

	A	As of October 31			
	2020		2019		
		In millions	i		
Finished goods	\$,662 \$	3,855		
Purchased parts and fabricated assemblies	2	,301	1,879		
	\$ 5	,963 \$	5,734		

Notes to Consolidated Financial Statements (Continued)

Note 7: Supplementary Financial Information (Continued)

Other Current Assets

	As of October 31					
	 2020	2019				
	 In millions					
Supplier and other receivables	\$ 2,092 \$	1,951				
Prepaid and other current assets	1,104	967				
Value-added taxes receivable	970	957				
Available-for-sale investments ⁽¹⁾	274	_				
	\$ 4,440 \$	3,875				

(1) See Note 9 "Fair Value" and Note 10, "Financial Instruments" for detailed information.

Property, Plant and Equipment, Net

 As of Octobe	er 31					
 2020	2019					
In millions						
\$ 2,066 \$	1,977					
5,275	5,060					
 7,341	7,037					
(4,714)	(4,243)					
\$ 2,627 \$	2,794					
\$	\$ 2,066 \$ 5,275 7,341 (4,714)					

Depreciation expense was \$673 million, \$623 million and \$448 million in fiscal years 2020, 2019 and 2018, respectively.

Other Non-Current Assets

	 As of October 31					
	 2020		2019			
	In millions					
Deferred tax assets ⁽¹⁾	\$ 2,515	\$	2,620			
Right-of-use assets from operating leases ⁽²⁾	1,107		_			
Intangible assets ⁽³⁾	540		661			
Other ⁽⁴⁾	864		843			
	\$ 5,026	\$	4,124			

⁽¹⁾ See Note 6, "Taxes on Earnings" for detailed information.

⁽²⁾ See Note 1, "Summary of Significant Accounting Policies" and Note 17, "Leases" for detailed information.

⁽³⁾ See Note 8, "Goodwill and Intangible Assets" for detailed information.

Includes marketable equity securities and mutual funds classified as available-for-sale investments of \$58 million and \$56 million at October 31, 2020 and 2019, respectively. See Note 10, "Financial Instruments" for detailed information

Notes to Consolidated Financial Statements (Continued)

Note 7: Supplementary Financial Information (Continued)

Other Current Liabilities

	 As of Oct	ober 31
	 2020	2019
	In mill	lions
Sales and marketing programs	\$ 3,185	\$ 3,361
Deferred revenue	1,208	1,178
Employee compensation and benefit	1,194	1,103
Other accrued taxes	1,051	1,060
Warranty	746	663
Operating lease liabilities ⁽¹⁾	275	_
Tax liability	223	237
Other	2,960	2,541
	\$ 10,842	\$ 10,143

⁽¹⁾ See Note 1, "Summary of Significant Accounting Policies" and Note 17, "Leases" for detailed information.

Other Non-Current Liabilities

	 As of October 31						
	 2020		2019				
	In millions						
Pension, post-retirement, and post-employment liabilities	\$ 1,576	\$	1,762				
Deferred revenue	1,072		1,069				
Operating lease liabilities ⁽¹⁾	904		_				
Tax liability	746		848				
Deferred tax liability ⁽²⁾	25		60				
Other	823		848				
	\$ 5,146	\$	4,587				

⁽¹⁾ See Note 1, "Summary of Significant Accounting Policies" and Note 17, "Leases" for detailed information.

Interest and other, net

	For the fiscal years ended October 31									
	 2020	2019	2018							
		In millions								
Tax indemnifications ⁽¹⁾	\$ 1	\$ (1,186)	\$ (662)							
Interest expense on borrowings	(239)	(242)	(312)							
Non-operating retirement- related credits	240	85	233							
Defined benefit plan settlement charges	(214)	_	_							
Loss on extinguishment of debt	(40)	_	(126)							
Other, net	21	(11)	49							
	\$ (231)	\$ (1,354)	\$ (818)							

⁽²⁾ See Note 6, "Taxes on Earnings" for detailed information.

Notes to Consolidated Financial Statements (Continued)

Note 7: Supplementary Financial Information (Continued)

(1) Fiscal year ended October 31, 2019 and 2018, includes an adjustment of \$764 million and \$676 million respectively, of indemnification receivables, primarily related to resolution of various income tax audits settlements. Fiscal year ended October 31, 2019, also includes an adjustment of \$417 million pursuant to the termination of the TMA with Hewlett Packard Enterprise.

Net Revenue by Region

	 For the fiscal years ended October 31									
	 2020		2019		2018					
	 In millions									
Americas	\$ 24,414	\$	25,244	\$	25,644					
Europe, Middle East and Africa	19,624		20,275		20,470					
Asia-Pacific and Japan	12,601		13,237		12,358					
Total net revenue	\$ 56,639	\$	58,756	\$	58,472					

Value of Remaining Performance Obligations

As of October 31, 2020, the estimated value of transaction price allocated to remaining performance obligations was \$4.1 billion. HP expects to recognize approximately \$1.8 billion of the unearned amount in next 12 months and \$2.3 billion thereafter.

HP has elected the practical expedients and accordingly does not disclose the aggregate amount of the transaction price allocated to remaining performance obligations if:

- the contract has an original expected duration of one year or less; or
- the revenue from the performance obligation is recognized over time on an as-invoiced basis when the amount corresponds directly with the value to the customer; or
- the portion of the transaction price that is variable in nature is allocated entirely to a wholly unsatisfied performance obligation.

The remaining performance obligations are subject to change and may be affected by various factors, such as termination of contracts, contract modifications and adjustment for currency.

Costs of Obtaining Contracts and Fulfillment Cost

As of October 31, 2020, deferred contract fulfillment and acquisition costs balances were \$65 million and \$34 million, respectively, included in Other Current Assets and Other Non-Current Assets in the Consolidated Balance Sheet. During the fiscal year ended October 31, 2020, the Company amortized \$98 million of these costs.

As of October 31, 2019, deferred contract fulfillment and acquisition costs balances were \$47 million and \$30 million, respectively, included in Other Current Assets and Other Non-Current Assets in the Consolidated Balance Sheet. During the twelve months ended October 31, 2019, the Company amortized \$108 million of these costs.

Contract Liabilities

As of October 31, 2020 and 2019, HP's contract liabilities balances were \$2.2 billion and \$2.1 billion, respectively, included in Other Current Liabilities and Other Non-Current Liabilities in the Consolidated Balance Sheet.

The increase in the contract liabilities balance for fiscal year 2020 was primarily driven by sales of fixed-price support and maintenance services, partially offset by \$1.1 billion of revenue recognized that were included in the opening contract liabilities balance as of October 31, 2019.

As of October 31, 2019 and 2018, HP's contract liabilities balances were \$2.1 billion and \$1.9 billion, respectively, included in Other Current Liabilities and Other Non-Current Liabilities in the Consolidated Balance Sheet.

The increase in the contract liabilities balance for fiscal year 2019 was primarily driven by sales of fixed-price support and maintenance services, partially offset by \$0.9 billion of revenue recognized that were included in the opening contract liabilities balance as of October 31, 2018.

Notes to Consolidated Financial Statements (Continued)

Note 8: Goodwill and Intangible Assets

Goodwill

Goodwill allocated to HP's reportable segments and changes in the carrying amount of goodwill were as follows:

	Personal Systems		Printing	Total
		I	n millions	
Balance at October 31, 2018 ⁽¹⁾	\$ 2,600	\$	3,368	\$ 5,968
Acquisitions/adjustments	13		386	399
Foreign currency translation	_		5	5
Balance at October 31, 2019 ⁽¹⁾	 2,613		3,759	 6,372
Acquisitions/adjustments	8		_	8
Foreign currency translation	_		_	_
Balance at October 31, 2020 ⁽¹⁾	\$ 2,621	\$	3,759	\$ 6,380

⁽¹⁾ Goodwill is net of accumulated impairment losses of \$0.8 billion related to Corporate Investments.

Goodwill is tested for impairment at the reporting unit level. As of October 31, 2020, our reporting units are consistent with the reportable segments identified in Note 2, "Segment Information". There were no goodwill impairments in fiscal years 2020, 2019 and 2018. Personal Systems had a negative carrying amount of net assets as of October 31, 2020 and 2019, primarily as a result of a favorable cash conversion cycle.

Intangible Assets

HP's acquired intangible assets were composed of:

		As of	f October 31, 2020)		As of October 31, 2019										
	 Gross	Accumulated Amortization			Net		Gross		Accumulated Amortization		Net					
					In mil	lions	S									
Customer contracts, customer lists and distribution agreements	\$ 382	\$	149	\$	233	\$	385	\$	122	\$	263					
Technology, patents and trade name	647		340		307		652		254		398					
Total intangible assets	\$ 1,029	\$	489	\$	540	\$	1,037	\$	376	\$	661					

As of October 31, 2020, estimated future amortization expense related to intangible assets was as follows:

Fiscal year	In millions	
2021	\$ 113	5
2022	11:	5
2023	11:	3
2024	79	9
2025	30	6
Thereafter	82	2
Total	\$ 540	0

Notes to Consolidated Financial Statements (Continued)

Note 9: Fair Value

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date.

Fair Value Hierarchy

HP uses valuation techniques that are based upon observable and unobservable inputs. Observable inputs are developed using market data such as publicly available information and reflect the assumptions market participants would use, while unobservable inputs are developed using the best information available about the assumptions market participants would use. Assets and liabilities are classified in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement:

Level 1—Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2—Quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the asset or liability and market-corroborated inputs.

Level 3—Unobservable inputs for the asset or liability.

The fair value hierarchy gives the highest priority to observable inputs and lowest priority to unobservable inputs.

The following table presents HP's assets and liabilities that are measured at fair value on a recurring basis:

				As of Octo	ber 3	31, 2020		As of October 31, 2019 Fair Value Measured Using											
		Fair	Valu	e Measure	d Usir	ng													
	I	Level 1		Level 2]	Level 3	Total	Level 1]	Level 2]	Level 3		Total				
							In n	illion	ıs										
Assets:																			
Cash Equivalents																			
Corporate debt	\$	_	\$	1,700	\$	_	\$ 1,700	\$	_	\$	1,283	\$	_	\$	1,283				
Financial institution instruments		_		59		_	59		_		_		_		_				
Government debt ⁽¹⁾		1,992		181		_	2,173		2,422		_		_		2,422				
Available-for-Sale Investments																			
Corporate debt		_		169		_	169		_		_		_		_				
Financial institution instruments		_		32		_	32		_		_		_		_				
Government debt ⁽¹⁾		_		73		_	73		_		_		_		_				
Marketable equity securities and Mutual funds		5		53		_	58		6		50		_		56				
Derivative Instruments																			
Interest rate contracts		_		4		_	4		_		4		_		4				
Foreign currency contracts		_		191		_	191		_		381		_		381				
Other derivatives		_		_		_	_		_		7		_		7				
Total Assets	\$	1,997	\$	2,462	\$	_	\$ 4,459	\$	2,428	\$	1,725	\$	_	\$	4,153				
Liabilities:																			
Derivative Instruments																			
Interest rate contracts	\$	_	\$	3	\$	_	\$ 3	\$	_	\$	_	\$	_	\$	_				
Foreign currency contracts		_		256		_	256		_		165		_		165				
Other derivatives		_		3		_	3		_		1		_		1				
Total Liabilities	\$		\$	262	\$	_	\$ 262	\$	_	\$	166	\$		\$	166				

⁽¹⁾ Government debt includes instruments such as U.S. treasury notes, U.S. agency securities and non-U.S. government bonds. Money market funds invested in government debt and traded in active markets are included in Level 1.

Notes to Consolidated Financial Statements (Continued)

Note 9: Fair Value (Continued)

Valuation Techniques

Cash Equivalents and Investments: HP holds time deposits, money market funds, mutual funds, other debt securities primarily consisting of corporate and foreign government notes and bonds, and common stock and equivalents. HP values cash equivalents and equity investments using quoted market prices, alternative pricing sources, including net asset value, or models utilizing market observable inputs. The fair value of debt investments was based on quoted market prices or model-driven valuations using inputs primarily derived from or corroborated by observable market data, and, in certain instances, valuation models that utilize assumptions which cannot be corroborated with observable market data.

Derivative Instruments: From time to time, HP uses forward contracts, interest rate and total return swaps, treasury rate locks and, at times, option contracts to hedge certain foreign currency, interest rate and return on certain investment exposures. HP uses industry standard valuation models to measure fair value. Where applicable, these models project future cash flows and discount the future amounts to present value using market-based observable inputs, including interest rate curves, HP and counterparty credit risk, foreign exchange rates, and forward and spot prices for currencies and interest rates. See Note 10, "Financial Instruments" for a further discussion of HP's use of derivative instruments.

Other Fair Value Disclosures

Short- and Long-Term Debt: HP estimates the fair value of its debt primarily using an expected present value technique, which is based on observable market inputs using interest rates currently available to companies of similar credit standing for similar terms and remaining maturities and considering its own credit risk. The portion of HP's debt that is hedged is reflected in the Consolidated Balance Sheets as an amount equal to the debt's carrying amount and a fair value adjustment representing changes in the fair value of the hedged debt obligations arising from movements in benchmark interest rates. The fair value of HP's short-and long-term debt was \$6.7 billion at October 31, 2020 compared to its carrying amount of \$6.2 billion at that date. The fair value of HP's short- and long-term debt was \$5.4 billion as compared to its carrying value of \$5.1 billion at October 31, 2019. If measured at fair value in the Consolidated Balance Sheets, short- and long-term debt would be classified in Level 2 of the fair value hierarchy.

Other Financial Instruments: For the balance of HP's financial instruments, primarily accounts receivable, accounts payable and financial liabilities included in Other current liabilities on the Consolidated Balance Sheets, the carrying amounts approximate fair value due to their short maturities. If measured at fair value in the Consolidated Balance Sheets, these other financial instruments would be classified in Level 2 or Level 3 of the fair value hierarchy.

Non-Marketable Equity Investments and Non-Financial Assets: HP's non-marketable equity investments are measured at cost less impairment, adjusted for observable price changes. HP's non-financial assets, such as intangible assets, goodwill and property, plant and equipment, are recorded at fair value in the period an impairment charge is recognized. If measured at fair value in the Consolidated Balance Sheets these would generally be classified within Level 3 of the fair value hierarchy.

Notes to Consolidated Financial Statements (Continued)

Note 10: Financial Instruments

Cash Equivalents and Available-for-Sale Investments

			As of Octob	er 31, 202	0			As of October 31, 2019											
	Cost	Gross Unrealized st Gain		Unrea	Gross Unrealized Fair Loss Value				Cost	1	Gross Unrealized Gain	τ	Gross Inrealized Loss		Fair Value				
							In	millions											
Cash Equivalents:																			
Corporate debt	\$ 1,700	\$	_	\$	_	\$	1,700	\$	1,283	\$		\$	_	\$	1,283				
Financial institution instruments	59		_		_		59		_		_		_		_				
Government debt	2,173		_		_		2,173		2,422		_		_		2,422				
Total cash equivalents	3,932				_		3,932		3,705				_		3,705				
Available-for-Sale Investments:																			
Corporate debt ⁽¹⁾	169		_		_		169		_		_		_						
Financial institution instruments ⁽¹⁾	32		_		_		32		_		_		_		_				
Government debt(1)	73		_		_		73		_		_		_						
Marketable equity securities and Mutual funds	42		16		_		58		40		16		_		56				
Total available-for-sale investments	316		16				332		40		16				56				
Total cash equivalents and available-for- sale investments	\$ 4,248	\$	16	\$	_	\$	4,264	\$	3,745	\$	16	\$		\$	3,761				

⁽¹⁾ HP classifies its marketable debt securities as available-for-sale investments within Other current assets on the Consolidated Balance Sheets, including those with maturity dates beyond one year, based on their highly liquid nature and availability for use in current operations.

All highly liquid investments with original maturities of three months or less at the date of acquisition are considered cash equivalents. As of October 31, 2020 and 2019, the carrying amount of cash equivalents approximated fair value due to the short period of time to maturity. Interest income related to cash, cash equivalents and debt securities was approximately \$40 million in fiscal year 2020, \$80 million in fiscal year 2019, and \$116 million in fiscal year 2018. The estimated fair value of the available-for-sale investments may not be representative of values that will be realized in the future.

Contractual maturities of investments in available-for-sale debt securities were as follows:

		As o	i October 31,	2020	
	_	Amortized Cost		Fair Value	
			In millions		
Due in one year	\$		274 \$		274

Non-marketable equity investments in privately held companies are included in Other non-current assets in the Consolidated Balance Sheets. These amounted to \$44 million and \$46 million as of October 31, 2020 and 2019, respectively.

Derivative Instruments

HP uses derivatives to offset business exposure to foreign currency and interest rate risk on expected future cash flows and on certain existing assets and liabilities. As part of its risk management strategy, HP uses derivative instruments, primarily forward contracts, interest rate swaps, total return swaps, treasury rate locks and, at times, option contracts to hedge certain foreign currency, interest rate and, return on certain investment exposures. HP may designate its derivative contracts as fair value hedges or cash flow hedges and classifies the cash flows with the activities that correspond to the underlying hedged items. Additionally, for derivatives not designated as hedging instruments, HP categorizes those economic hedges as other derivatives. HP recognizes all derivative instruments at fair value in the Consolidated Balance Sheets.

Notes to Consolidated Financial Statements (Continued)

Note 10: Financial Instruments (Continued)

As a result of its use of derivative instruments, HP is exposed to the risk that its counterparties will fail to meet their contractual obligations. Master netting agreements mitigate credit exposure to counterparties by permitting HP to net amounts due from HP to counterparty against amounts due to HP from the same counterparty under certain conditions. To further limit credit risk, HP has collateral security agreements that allow HP's custodian to hold collateral from, or require HP to post collateral to, counterparties when aggregate derivative fair values exceed contractually established thresholds which are generally based on the credit ratings of HP and its counterparties. If HP's or the counterparty's credit rating falls below a specified credit rating, either party has the right to request full collateralization of the derivatives' net liability position. The fair value of derivatives with credit contingent features in a net liability position was \$90 million and \$45 million as of October 31, 2020 and 2019, respectively, all of which were fully collateralized within two business days.

Under HP's derivative contracts, the counterparty can terminate all outstanding trades following a covered change of control event affecting HP that results in the surviving entity being rated below a specified credit rating. This credit contingent provision did not affect HP's financial position or cash flows as of October 31, 2020 and 2019.

Fair Value Hedges

HP enters into fair value hedges, such as interest rate swaps, to reduce the exposure of its debt portfolio to changes in fair value resulting from changes in benchmark interest rates on HP's future interest rate payments.

For derivative instruments that are designated and qualify as fair value hedges, HP recognizes the change in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

During the fiscal year 2020, HP terminated interest rate swaps with a notional amount of \$0.5 billion that were de-designated as fair value hedges of certain fixed rate debt securities that were extinguished. HP also entered into \$0.6 billion notional amount interest rate swaps designated as fair value hedges to convert a portion of newly issued \$1.15 billion fixed-rate debt to floating.

Cash Flow Hedges

HP uses forward contracts, treasury rate locks, and at times, option contracts designated as cash flow hedges to protect against the foreign currency exchange and interest rate risks inherent in its forecasted net revenue, cost of revenue, operating expenses and debt issuance. HP's foreign currency cash flow hedges mature predominantly within twelve months; however, hedges related to long-term procurement arrangements extend several years.

For derivative instruments that are designated and qualify as cash flow hedges, HP initially records changes in fair value of the derivative instrument in Accumulated other comprehensive loss as a separate component of stockholders' deficit in the Consolidated Balance Sheets and subsequently reclassifies these amounts into earnings in the period during which the hedged transaction is recognized in earnings. HP reports the changes in the fair value of the derivative instrument in the same financial statement line item as changes in the fair value of the hedged item.

In March 2020, HP entered into a series of treasury rate lock agreements with notional amounts totaling \$750 million to hedge the exposure to variability in future cash flows resulting from changes in interest rate related to an anticipated issuance of long-term debt. These agreements were designated as cash flow hedges and were settled upon issuance of the senior notes in June 2020 resulting in an immaterial loss recognized in Other Comprehensive Income (Loss). The loss will be reclassified to Interest and other, net over the life of the related debt.

Other Derivatives

Other derivatives not designated as hedging instruments consist primarily of forward contracts used to hedge foreign currency-denominated balance sheet exposures. HP uses total return swaps to hedge its executive deferred compensation plan liability.

For derivative instruments not designated as hedging instruments, HP recognizes changes in fair value of the derivative instrument, as well as the offsetting change in the fair value of the hedged item, in Interest and other, net in the Consolidated Statements of Earnings in the period of change.

Hedge Effectiveness

For interest rate swaps designated as fair value hedges, HP measures hedge effectiveness by offsetting the change in fair value of the hedged item with the change in fair value of the derivative. For foreign currency options and forward contracts designated as cash flow hedges, HP measures hedge effectiveness by comparing the cumulative change in fair value of the hedge contract with the cumulative change in fair value of the hedged item, both of which are based on forward rates.

As of October 31, 2020 and 2019, no portion of the hedging instruments' gain or loss was excluded from the assessment of effectiveness for fair value and cash flow hedges.

Notes to Consolidated Financial Statements (Continued)

Note 10: Financial Instruments (Continued)

Fair Value of Derivative Instruments in the Consolidated Balance Sheets

The gross notional and fair value of derivative instruments in the Consolidated Balance Sheets were as follows:

	As of October 31, 2020								As of October 31, 2019										
	utstanding Gross Notional	C	Other urrent Assets	Cı	Other Non- urrent Assets	(Other Current iabilities		Other on-Current Liabilities		Outstanding Gross Notional	C	Other urrent Assets	Cu	ther Non- arrent assets	Ci	Other urrent abilities	Non-	other Current bilities
Derivatives designated as hedging instruments									ın n	nillio	ons								
Fair value hedges:																			
Interest rate contracts	\$ 875	\$	4	\$	_	\$	_	\$	3	\$	750	\$	_	\$	4	\$	_	\$	_
Cash flow hedges:																			
Foreign currency contracts	15,661		148		30		199		37		15,639		260		111		123		28
Total derivatives designated as hedging instruments	16,536		152		30		199		40		16,389		260		115		123		28
Derivatives not designated as hedging instruments																			
Foreign currency contracts	5,319		13		_		20		_		7,146		10		_		14		_
Other derivatives	142		_		_		3		_		134		7		_		1		_
Total derivatives not designated as hedging instruments	5,461		13		_		23		_		7,280		17		_		15		
Total derivatives	\$ 21,997	\$	165	\$	30	\$	222	\$	40	\$	23,669	\$	277	\$	115	\$	138	\$	28

Offsetting of Derivative Instruments

HP recognizes all derivative instruments on a gross basis in the Consolidated Balance Sheets. HP does not offset the fair value of its derivative instruments against the fair value of cash collateral posted under its collateral security agreements. As of October 31, 2020 and 2019, information related to the potential effect of HP's master netting agreements and collateral security agreements was as follows:

				In the	Conso	olidated Balanc	e Sh	eets				
	(i)		(ii)	((iii) = (i)-(ii)		(iv)	(v)		(vi) = (iii)-(iv)-(v)
								Gross A Not (
	Gross Am Recogni		Gross A Off		N	Net Amount Presented		Derivatives	Financial Collateral			Net Amount
							In 1	nillions				
As of October 31, 2020												
Derivative assets	\$	195	\$	_	\$	195	\$	156	\$ 4	(1)	\$	35
Derivative liabilities	\$	262	\$	_	\$	262	\$	156	\$ 130	(2)	\$	(24)
As of October 31, 2019												
Derivative assets	\$	392	\$	_	\$	392	\$	113	\$ 259	(1)	\$	20
Derivative liabilities	\$	166	\$	_	\$	166	\$	113	\$ 43	(2)	\$	10

⁽¹⁾ Represents the cash collateral posted by counterparties as of the respective reporting date for HP's asset position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.

Notes to Consolidated Financial Statements (Continued)

Note 10: Financial Instruments (Continued)

(2) Represents the collateral posted by HP through re-use of counterparty cash collateral as of the respective reporting date for HP's liability position, net of derivative amounts that could be offset, as of, generally, two business days prior to the respective reporting date.

Effect of Derivative Instruments in the Consolidated Statements of Earnings

The pre-tax effect of derivative instruments and related hedged items in a fair value hedging relationship was as follows:

Derivative Instrument	Hedged Item	Location	For the fiscal years ended October 31	inc item finar whi	Otal amounts of ome/ (expense) line s in the statement of nicial performance in the effects of fair value hedges are recorded	de	Gain/ (loss) recognized in earnings on rivative instrument	(Loss)/ gain recognized in earnings on hedged item
							In millions	
Interest rate contracts	Fixed-rate debt	Interest and other, net	2020	\$	(231)	\$	6	\$ (6)
			2019		(1,354)		27	(27)
			2018		(818)		(11)	11

The pre-tax effect of derivative instruments in cash flow hedging relationships included in Accumulated other comprehensive loss was as follows:

	 For the fiscal y	ears ended October 31	
	2020	2019	2018
	 Ir	millions	_
(Loss)/ gain recognized in Accumulated other comprehensive loss on derivatives:			
Foreign currency contracts	\$ (197) \$	252 \$	341
Interest rate contracts	\$ (4) \$	— \$	_

The pre-tax effect of derivative instruments in cash flow hedging relationships included in earnings were as follows:

	tement of fi	nanci	me/ (expense al performan ow hedges ar	ce in		 Gain/ (loss) recla compreh		ied from Accumu ve loss into earn		l other
	For the fi	scal y	ears ended C	Octob	er 31	 For the fise	cal y	ears ended Octo	ber 3	1
	2020		2019		2018	2020		2019		2018
		Iı	n millions		_		Ir	n millions		·
Net revenue	\$ 56,639	\$	58,756	\$	58,472	\$ 108	\$	425	\$	(239)
Cost of revenue	(46,202)		(47,586)		(47,803)	(25)		(43)		(18)
Operating expenses	(6,975)		(7,293)		(6,838)	2		(2)		(1)
Total	\$ 3,462	\$	3,877	\$	3,831	\$ 85	\$	380	\$	(258)

As of October 31, 2020, HP expects to reclassify an estimated Accumulated other comprehensive loss of approximately \$57 million, net of taxes, to earnings within the next twelve months associated with cash flow hedges along with the earnings effects of the related forecasted transactions. The amounts ultimately reclassified into earnings could be different from the amounts previously included in Accumulated other comprehensive loss based on the change of market rate, and therefore could have different impact on earnings.

Notes to Consolidated Financial Statements (Continued)

Note 10: Financial Instruments (Continued)

The pre-tax effect of derivative instruments not designated as hedging instruments recognized in Interest and other, net in the Consolidated Statements of Earnings for fiscal years 2020, 2019 and 2018 was as follows:

	Gain/ (loss)	recognized in	earnings on d	erivative	instrument		
	Location		2020	2	2019	2	2018
				In n	nillions		
Foreign currency contracts	Interest and other, net	\$	40	\$	(119)	\$	35
Other derivatives	Interest and other, net		(9)		14		(9)
Total		\$	31	\$	(105)	\$	26

Notes to Consolidated Financial Statements (Continued)

Note 11: Borrowings

Notes Payable and Short-Term Borrowings

		As of	October 3	31	
		2020			2019
	mount standing	Weighted-Average Interest Rate		amount tstanding	Weighted-Average Interest Rate
		In	millions		
Current portion of long-term debt	\$ 633	4.0 %	\$	307	3.6 %
Notes payable to banks, lines of credit and other	41	1.6 %		50	2.0 %
	\$ 674		\$	357	

Long-Term Debt

	As of	October 31
	2020	2019
	In	millions
U.S. Dollar Global Notes ⁽¹⁾		
2009 Shelf Registration Statement:		
\$1,350 issued at discount to par at a price of 99.827% in December 2010 at 3.75%, due December 2020	\$ -	- \$ 648
\$1,250 issued at discount to par at a price of 99.799% in May 2011 at 4.3%, due June 2021	_	- 667
\$1,000 issued at discount to par at a price of 99.816% in September 2011 at 4.375%, due September 2021	412	538
\$1,500 issued at discount to par at a price of 99.707% in December 2011 at 4.65%, due December 2021	580	695
\$500 issued at discount to par at a price of 99.771% in March 2012 at 4.05%, due September 2022	499	499
\$1,200 issued at discount to par at a price of 99.863% in September 2011 at 6.0%, due September 2041	1,199	1,199
2019 Shelf Registration Statement:		
\$1,150 issued at discount to par at a price of 99.769% in June 2020 at 2.2%, due June 2025	1,14	-
\$1,000 issued at discount to par at a price of 99.718% in June 2020 at 3.0%, due June 2027	99′	7 —
\$850 issued at discount to par at a price of 99.790% in June 2020 at 3.4%, due June 2030	848	3 —
	5,689	4,246
Other borrowings at 0.51%-9.00%, due in fiscal years 2021-2027	522	2 853
Fair value adjustment related to hedged debt	ź	2 4
Unamortized debt issuance cost	(37	(16)
Current portion of long-term debt	(633	(307)
Total long-term debt	\$ 5,543	\$ 4,780

⁽¹⁾ HP may redeem some or all of the fixed-rate U.S. Dollar Global Notes at any time in accordance with the terms thereof. The U.S. Dollar Global Notes are senior unsecured debt.

In June 2020, HP completed its public offering of \$3.0 billion aggregate principal amount of senior unsecured notes, consisting of \$1.15 billion of 2.2% notes due June 2025, \$1.0 billion of 3.0% notes due June 2027, and \$850 million of 3.4% notes due June 2030. HP incurred \$26 million towards issuance costs. HP will pay interest semi-annually on the notes on June 17 and December 17, beginning December 17, 2020. HP had entered into treasury rate lock agreements with notional amounts totaling \$750 million to hedge exposure to variability in future cash flows resulting from changes in interest rates related to the forecasted issuance of long-term debt. These agreements were settled upon issuance of the senior notes in June 2020. The net proceeds from this offering were used to fund approximately \$0.7 billion and \$0.9 billion for the cash tender offer ("Tender Offer") and the redemption, respectively, of certain existing notes, as described below. Net proceeds from this offering in excess of the amounts used to repurchase the notes were used for general corporate purposes.

As disclosed in Note 10, "Financial Instruments", HP uses interest rate swaps to mitigate some of the exposure of its debt portfolio to changes in fair value resulting from changes in benchmark interest rates. Interest rates shown in the table of long-term debt have not been adjusted to reflect the impact of any interest rate swaps.

Notes to Consolidated Financial Statements (Continued)

Note 11: Borrowings (Continued)

As of October 31, 2020, aggregate future maturities of debt at face value (excluding unamortized debt issuance cost of \$37 million and discounts on debt issuance of \$9 million less fair value adjustment related to hedged debt of \$2 million), including other financing obligations were as follows:

Fiscal year	In millions
2021	\$ 679
2022	1,230
2023	95
2024	45
2025	1,161
Thereafter	3,051
Total	\$ 6,261

Extinguishment of Debt

In June 2020, HP commenced and completed the Tender Offer to purchase approximately \$0.7 billion in aggregate principal amount of its outstanding US Dollar 3.750% Global Notes due December 1,2020, 4.300% Global Notes due June 1, 2021, 4.375% Global Notes due September 15, 2021 and 4.650% Global Notes due December 9, 2021. This extinguishment of debt resulted in a net loss of \$23 million, which was recorded as Interest and other, net on the Consolidated Statements of Earnings.

On July 22, 2020, HP redeemed the remaining aggregate principal amounts of \$0.5 billion in outstanding U.S. Dollar 3.750% Global Notes due December 1, 2020 and \$0.4 billion in outstanding U.S. Dollar 4.300% Global Notes due June 1, 2021. This extinguishment of debt resulted in a net loss of \$17 million, which was recorded as Interest and other, net on the Consolidated Statements of Earnings.

As part of the above transactions, HP terminated and settled interest rate swaps with a notional of \$0.5 billion that were de-designated as fair value hedges. Commercial Paper

As of October 31, 2020, HP maintained two commercial paper programs. HP's U.S. program provides for the issuance of U.S. dollar-denominated commercial paper up to a maximum aggregate principal amount of \$6.0 billion. HP's euro commercial paper program provides for the issuance of commercial paper outside of the United States denominated in U.S. dollars, euros or British pounds up to a maximum aggregate principal amount of \$6.0 billion or the equivalent in those alternative currencies. The combined aggregate principal amount of commercial paper outstanding under those programs at any one time cannot exceed the \$6.0 billion authorized by HP's Board of Directors.

Credit Facilities

As of October 31, 2020, HP maintained a \$4.0 billion senior unsecured committed revolving credit facility to support the issuance of commercial paper or for general corporate purposes. Commitments under the revolving credit facility will be available until March 30, 2023. Commitment fees, interest rates and other terms of borrowing under the credit facilities vary based on HP's external credit ratings.

On May 29, 2020, we entered into a 364-day revolving credit facility providing for a senior unsecured revolving credit facility with aggregate lending commitments of \$1.0 billion. Commitments under the 364-day revolving credit facility will be available until May 28, 2021. Funds borrowed under this revolving credit facility may be used for general corporate purposes.

As of October 31, 2020, HP was in compliance with the financial covenants in the credit agreements governing the revolving credit facilities.

Available Borrowing Resources

As of October 31, 2020, HP had available borrowing resources of \$725 million from uncommitted lines of credit in addition to the senior unsecured committed revolving credit facilities.

Notes to Consolidated Financial Statements (Continued)

Note 12: Stockholders' Deficit

Share Repurchase Program

HP's share repurchase program authorizes both open market and private repurchase transactions. In fiscal year 2020, HP executed share repurchases of 168 million shares and settled total shares for \$3.1 billion. In fiscal year 2019, HP executed share repurchases of 118 million shares and settled total shares for \$2.4 billion. In fiscal year 2018, HP executed share repurchases of 111 million shares and settled total shares for \$2.6 billion. Share repurchases executed during fiscal years 2020, 2019, and 2018 included 2.3 million shares, 0.9 million shares, and 1.0 million shares settled in November 2020, November 2019, and November 2018, respectively.

The shares repurchased in fiscal years 2020, 2019 and 2018 were all open market repurchase transactions. On February 22, 2020, HP's Board of Directors increased HP's share repurchase authorization to \$15.0 billion in total. As of October 31, 2020, HP had approximately \$12.7 billion remaining under the share repurchase authorizations approved by HP's Board of Directors.

Shareholder Rights Plan

On February 20, 2020, HP's Board of Directors adopted a shareholder rights plan and declared a dividend of one preferred share purchase right for each outstanding share of HP's common stock to shareholders of record on March 2, 2020. The dividend distribution was made on March 2, 2020. The rights were set to expire on February 20, 2021, unless terminated earlier by HP's Board of Directors. The Board of Directors terminated the shareholder rights plan, effective June 25, 2020, and at the time of the termination, all rights distributed to holders of HP's common stock under the shareholder rights plan expired.

Taxes related to Other Comprehensive (Loss) Income

	 For the	fiscal years ended O	ctober 31
	2020	2019	2018
		In millions	
Tax effect on change in unrealized components of available-for-sale debt securities:			
Tax benefit on unrealized losses arising during the period	\$ _	\$ —	\$ 1
Tax effect on change in unrealized components of cash flow hedges:			
Tax benefit (provision) on unrealized (losses) gains arising during the period	20	(37)	(42)
Tax provision (benefit) on (gains) losses reclassified into earnings	28	46	(26)
	48	9	(68)
Tax effect on change in unrealized components of defined benefit plans:			
Tax benefit on losses arising during the period	11	64	_
Tax provision on amortization of actuarial loss and prior service benefit	(19)	(11)	(11)
Tax provision on curtailments, settlements and other	(41)	(104)	(2)
	(49)	(51)	(13)
Tax effect on change in cumulative translation adjustment	2	_	_
Tax benefit (provision) on other comprehensive (loss) income	\$ 1	\$ (42)	\$ (80)

Notes to Consolidated Financial Statements (Continued)

Note 12: Stockholders' Deficit (Continued)

Changes and reclassifications related to Other Comprehensive (Loss) Income, net of taxes

	F	r the ye	ear ended Octol	oer 31	
	2020		2019		2018
			In millions		
Other comprehensive (loss) income, net of taxes:					
Change in unrealized components of available-for-sale debt securities:					
Unrealized gains (losses) arising during the period	\$	2 \$	1	\$	(2)
Losses (gains) reclassified into earnings	_	_	3		(5)
		2	4		(7)
Change in unrealized components of cash flow hedges:					
Unrealized (losses) gains arising during the period	(18	1)	215		299
(Gains) losses reclassified into earnings	(5	7)	(334)		232
	(23	3)	(119)		531
Change in unrealized components of defined benefit plans:					
(Losses) gains arising during the period	(1	3)	(239)		11
Amortization of actuarial loss and prior service benefit ⁽¹⁾	6	4	32		37
Curtailments, settlements and other	17	4	(62)		1
	22	0	(269)		49
Change in cumulative translation adjustment:	(2)	4		_
Other comprehensive (loss) income, net of taxes	\$ (1	8) \$	(380)	\$	573

These components are included in the computation of net pension and post-retirement benefit (credit) charges in Note 4, "Retirement and Post-Retirement Benefit Plans".

The components of Accumulated other comprehensive loss, net of taxes as of October 31, 2020 and changes during fiscal year 2020 were as follows:

	Net unrealized gains on available-for-sale securities Net unrealized gains (losses) on cash flow hedges		Unrealized components of defined benefit plans		Change in cumulative translation adjustment		Accumulated other comprehensive loss		
				In milli	ons				
Balance at beginning of period	\$ 9	\$	172	\$ (1,410)	\$	4	\$	(1,225)
Other comprehensive loss before reclassifications	2		(181)		(18)		(2)		(199)
Reclassifications of (gains) losses into earnings	_		(57)		64		_		7
Reclassifications of curtailments, settlements and other into earnings	_		_		174		_		174
Balance at end of period	\$ 11	\$	(66)	\$ (1,190)	\$	2	\$	(1,243)

Notes to Consolidated Financial Statements (Continued)

Note 13: Earnings Per Share

HP calculates basic net EPS using net earnings and the weighted-average number of shares outstanding during the reporting period. Diluted net EPS includes any dilutive effect of restricted stock units, stock options, performance-based awards and shares purchased under the 2011 employee stock purchase plan.

A reconciliation of the number of shares used for basic and diluted net EPS calculations is as follows:

	 For the fiscal years ended October 31								
	 2020	2019		2018					
	In millions, except per share amounts								
Numerator:									
Net earnings	\$ 2,844	\$	3,152	\$	5,327				
Denominator:									
Weighted-average shares used to compute basic net EPS	1,413		1,515		1,615				
Dilutive effect of employee stock plans	 7		9		19				
Weighted-average shares used to compute diluted net EPS	 1,420		1,524		1,634				
Net earnings per share:									
Basic	\$ 2.01	\$	2.08	\$	3.30				
Diluted	\$ 2.00	\$	2.07	\$	3.26				
Anti-dilutive weighted-average stock-based compensation awards ⁽¹⁾	 13		7						

⁽¹⁾ HP excludes from the calculation of diluted net EPS stock options and restricted stock units where the assumed proceeds exceed the average market price, because their effect would be anti-dilutive. The assumed proceeds of a stock option include the sum of its exercise price, and average unrecognized compensation cost. The assumed proceeds of a restricted stock unit represent unrecognized compensation cost.

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies

HP is involved in lawsuits, claims, investigations and proceedings, including those identified below, consisting of IP, commercial, securities, employment, employee benefits and environmental matters that arise in the ordinary course of business. HP accrues a liability when management believes that it is both probable that a liability has been incurred and the amount of loss can be reasonably estimated. HP believes it has recorded adequate provisions for any such matters and, as of October 31, 2020, it was not reasonably possible that a material loss had been incurred in excess of the amounts recognized in HP's financial statements. HP reviews these matters at least quarterly and adjusts its accruals to reflect the impact of negotiations, settlements, rulings, advice of legal counsel, and other information and events pertaining to a particular case. Pursuant to the separation and distribution agreement, HP shares responsibility with Hewlett Packard Enterprise for certain matters, as indicated below, and Hewlett Packard Enterprise has agreed to indemnify HP in whole or in part with respect to certain matters. Based on its experience, HP believes that any damage amounts claimed in the specific matters discussed below are not a meaningful indicator of HP's potential liability. Litigation is inherently unpredictable. However, HP believes it has valid defenses with respect to legal matters pending against it. Nevertheless, cash flows or results of operations could be materially affected in any particular period by the resolution of one or more of these contingencies.

Litigation, Proceedings and Investigations

Copyright Levies. Proceedings are ongoing or have been concluded involving HP in certain European countries, including litigation in Belgium and other countries, seeking to impose or modify levies upon IT equipment (such as multifunction devices ("MFDs") and PCs), alleging that these devices enable the production of private copies of copyrighted materials. The levies are generally based upon the number of products sold and the per-product amounts of the levies, which vary. Some European countries that do not yet have levies on digital devices are expected to implement similar legislation to enable them to extend existing levy schemes, while other European countries have phased out levies or are expected to limit the scope of levy schemes and applicability in the digital hardware environment, particularly with respect to sales to business users. HP, other companies and various industry associations have opposed the extension of levies to the digital environment and have advocated alternative models of compensation to rights holders.

Reprobel SCRL ("Reprobel"), a collecting society administering the remuneration for reprography to Belgian copyright holders, requested by extrajudicial means that HP amend certain copyright levy declarations submitted for inkjet MFDs sold in Belgium from January 2005 to December 2009 to enable it to collect copyright levies calculated based on the generally higher copying speed when the MFDs are operated in draft print mode rather than when operated in normal print mode. In March 2010, HP filed a lawsuit against Reprobel in the Brussels Court of First Instance in Belgium, seeking a declaratory judgment that no copyright levies are payable on sales of MFDs in Belgium or, alternatively, that payments already made by HP are sufficient to comply with its obligations. The Brussels Court of Appeal (the "Court of Appeal") stayed the proceedings and referred several questions to the Court of Justice of the European Union ("CJEU"). On November 12, 2015, the CJEU published its judgment providing that a national legislation such as the Belgian one at issue in the main proceedings is incompatible with EU law on multiple legal points, as argued by HP, and returned the proceedings to the referring court. On May 12, 2017, the Court of Appeal held that (1) reprographic copyright levies are due notwithstanding the lack of conformity of the Belgian system with EU law in certain aspects and (2) the applicable levies are to be calculated based on the objective speed of each MFD as established by an expert appointed by the Court of Appeal. HP appealed this decision before the Belgian Supreme Court on January 18, 2018. The Belgian Supreme Court rejected HP's appeal on September 24, 2020 and the matter has been remitted to the Court of Appeal, where the expert will give an opinion on the objective speed and amount of compensation due.

Based on industry opposition to the extension of levies to digital products, HP's assessments of the merits of various proceedings and HP's estimates of the number of units impacted and the amounts of the levies, HP has accrued amounts that it believes are adequate to address the ongoing disputes.

Hewlett-Packard Company v. Oracle Corporation. On June 15, 2011, HP filed suit against Oracle Corporation ("Oracle") in California Superior Court in Santa Clara County in connection with Oracle's March 2011 announcement that it was discontinuing software support for HP's Itanium-based line of mission-critical servers. HP asserted, among other things, that Oracle's actions breached the contract that was signed by the parties as part of the settlement of the litigation relating to Oracle's hiring of Mark Hurd. The matter eventually progressed to trial, which was bifurcated into two phases. HP prevailed in the first phase of the trial, in which the court ruled that the contract at issue required Oracle to continue to offer its software products on HP's Itanium-based servers for as long as HP decided to sell such servers. The second phase of the trial was then postponed by Oracle's appeal of the trial court's denial of Oracle's "anti-SLAPP" motion, in which Oracle argued that HP's

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

damages claim infringed on Oracle's First Amendment rights. On August 27, 2015, the California Court of Appeals rejected Oracle's appeal. The matter was remanded to the trial court for the second phase of the trial, which began on May 23, 2016 and was submitted to the jury on June 29, 2016. On June 30, 2016, the jury returned a verdict in favor of HP, awarding HP approximately \$3.0 billion in damages, which included approximately \$1.7 billion for past lost profits and \$1.3 billion for future lost profits. On October 20, 2016, the court entered judgment for HP for this amount with interest accruing until the judgment is paid. Oracle's motion for new trial was denied on December 19, 2016, and Oracle filed its notice of appeal from the trial court's judgment on January 17, 2017. On February 2, 2017, HP filed a notice of cross-appeal challenging the trial court's denial of prejudgment interest. The case is fully briefed and awaiting the Court of Appeals to schedule oral argument. HP expects that the appeals process could take several years to complete. Litigation is unpredictable, and there can be no assurance that HP will recover damages, or that any award of damages will be for the amount awarded by the jury's verdict. The amount ultimately awarded, if any, would be recorded in the period received. No adjustment has been recorded in the financial statements in relation to this potential award. Pursuant to the terms of the separation and distribution agreement, HP and Hewlett Packard Enterprise will share equally in any recovery from Oracle once Hewlett Packard Enterprise has been reimbursed for all costs incurred in the prosecution of the action prior to the Separation.

Forsyth, et al. v. HP Inc. and Hewlett Packard Enterprise. This is a purported class and collective action filed on August 18, 2016 in the United States District Court, Northern District of California, against HP and Hewlett Packard Enterprise alleging the defendants violated the Federal Age Discrimination in Employment Act ("ADEA"), the California Fair Employment and Housing Act, California public policy and the California Business and Professions Code by terminating older workers and replacing them with younger workers. The operative complaint is the Fourth Amended Complaint, filed on July 9, 2020. Thirty-five named and opt-in plaintiffs remain. By their complaint, plaintiffs seek to represent (1) a putative nationwide ADEA collective comprised of all individuals 40 years of age and older who had their employment terminated pursuant to a WFR plan on or after December 9, 2014 or April 8, 2015, depending on state law; and (2) a putative Rule 23 class under California law comprised of all individuals 40 years of age and older who had their employment terminated in California pursuant to a WFR plan on or after August 18, 2012. Excluded from the putative collective and class are employees who (a) signed a Waiver and General Release Agreement at termination, or (b) signed an Agreement to Arbitrate Claims. A similar purported collective and class are proposed for Hewlett Packard Enterprise, but the time periods start on November 1, 2015. Plaintiffs seek monetary damages in the form of back and front pay and benefits, liquidated damages under the ADEA, punitive damages under the state law claims, an award of attorneys' fees, and other relief. On August 24, 2020, defendants filed a motion to dismiss or strike allegations from the operative complaint, which the court denied on October 15, 2020. Defendants filed their answers on October 29, 2020.

India Directorate of Revenue Intelligence Proceedings. On April 30 and May 10, 2010, the India Directorate of Revenue Intelligence (the "DRI") issued show cause notices to Hewlett-Packard India Sales Private Limited ("HP India"), a subsidiary of HP, seven HP India employees and one former HP India employee alleging that HP India underpaid customs duties while importing products and spare parts into India and seeking to recover an aggregate of approximately \$370 million, plus penalties. Prior to the issuance of the show cause notices, HP India deposited approximately \$16 million with the DRI and agreed to post a provisional bond in exchange for the DRI's agreement to not seize HP India products and spare parts and to not interrupt the transaction of business by HP India.

On April 11, 2012, the Bangalore Commissioner of Customs issued an order on the products-related show cause notice affirming certain duties and penalties against HP India and the named individuals of approximately \$386 million, of which HP India had already deposited \$9 million. On December 11, 2012, HP India voluntarily deposited an additional \$10 million in connection with the products-related show cause notice. The differential duty demand is subject to interest. On April 20, 2012, the Commissioner issued an order on the parts-related show cause notice affirming certain duties and penalties against HP India and certain of the named individuals of approximately \$17 million, of which HP India had already deposited \$7 million. After the order, HP India deposited an additional \$3 million in connection with the parts-related show cause notice so as to avoid certain penalties.

HP India filed appeals of the Commissioner's orders before the Customs, Excise and Service Tax Appellate Tribunal (the "Customs Tribunal") along with applications for waiver of the pre-deposit of remaining demand amounts as a condition for hearing the appeals. The Customs Department has also filed cross-appeals before the Customs Tribunal. On January 24, 2013, the Customs Tribunal ordered HP India to deposit an additional \$24 million against the products order, which HP India deposited in March 2013. The Customs Tribunal did not order any additional deposit to be made under the parts order. In December 2013, HP India filed applications before the Customs Tribunal seeking early hearing of the appeals as well as an extension of the stay of deposit as to HP India and the individuals already granted until final disposition of the appeals. On

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

February 7, 2014, the application for extension of the stay of deposit was granted by the Customs Tribunal until disposal of the appeals. On October 27, 2014, the Customs Tribunal commenced hearings on the cross-appeals of the Commissioner's orders. The Customs Tribunal rejected HP India's request to remand the matter to the Commissioner on procedural grounds. The hearings scheduled to reconvene on April 6, 2015 and again on November 3, 2015 and April 11, 2016 were canceled at the request of the Customs Tribunal. A hearing on the merits of the appeal scheduled for January 15, 2019 has been cancelled. Pursuant to the separation and distribution agreement, Hewlett Packard Enterprise has agreed to indemnify HP in part, based on the extent to which any liability arises from the products and spare parts of Hewlett Packard Enterprise's businesses.

Neodron Patent Litigation. United States. On May 21, 2019, Neodron Ltd. ("Neodron") filed a patent infringement lawsuit against Hewlett Packard Enterprise in U.S. District Court for the Western District of Texas. On the same day, Neodron filed a companion complaint with the U.S. International Trade Commission ("ITC") pursuant to Section 337 of the Tariff Act of 1930 against seven sets of respondents, including Hewlett Packard Enterprise. On May 23 and June 14, 2019, Neodron filed amended complaints in the ITC and the Western District of Texas, respectively, to replace Hewlett Packard Enterprise with HP. Both complaints alleged that certain touch-controlled devices infringe four patents owned by Neodron. On June 19, 2019, the ITC instituted an investigation. In the ITC proceeding, Neodron sought an order enjoining HP from importing, selling for importation, or selling after importation certain touch-controlled notebook computers and tablets. On June 28, 2019, Neodron filed a second lawsuit in the Western District of Texas, asserting four additional patents against HP touch-controlled devices. Neodron amended its complaint in the second lawsuit to assert a total of eight patents against HP touch-controlled devices. Neodron sought unspecified damages and a permanent injunction, among other remedies.

Germany. On October 29, 2019, Neodron served HP with a claim of patent infringement at the Munich State Court in Germany. The patent asserted in the German case is related to a patent asserted in the ITC. The initial hearing was held on July 29, 2020. If the German court had found infringement of a valid patent, the court may have issued an injunction as part of any remedy.

Settlement of Litigation. On July 31, 2020, HP and Neodron entered into an agreement to settle all pending litigation between them on a worldwide basis, and all pending legal actions against one another have been dismissed.

Slingshot Printing LLC Litigation. On June 11, 2019, Slingshot Printing LLC ("Slingshot") filed three complaints in U.S. District Court in the Western District of Texas alleging HP infringes or has infringed sixteen patents. On September 20, 2019, Slingshot filed a fourth complaint and amended the three earlier complaints, alleging that HP infringes or has infringed thirty-two patents. On December 12, 2019, Slingshot voluntarily dismissed its allegations as to one patent because it did not own a related patent. On January 23, 2020, Slingshot filed a fifth complaint, re-asserting the dismissed patent as well as the related patent. On February 13, 2020, Slingshot voluntarily dismissed its allegations as to another patent, which was asserted in its third complaint. On March 25, 2020, Slingshot voluntarily dismissed its allegations as to an additional patent, which was also asserted in its third complaint. Slingshot is currently asserting a total of 31 patents. The accused products include inkjet printers, cartridges, and printheads. The complaints seek monetary damages.

Philips Patent Litigation. On September 17, 2020, Koninklijke Philips N.V. and Philips North America LLC (collectively, "Philips") filed a complaint against HP for patent infringement in federal court for the District of Delaware. On September 18, 2020, Philips filed a companion complaint with the U.S. International Trade Commission ("ITC") pursuant to Section 337 of the Tariff Act of 1930 against HP and 8 other sets of respondents. Both the district court complaint and the ITC complaint allege that certain digital video-capable devices and components thereof infringe four of Philips owned patents. On October 16, 2020, the ITC instituted an investigation. The investigation is in its early stages, and the ITC's final decision is due by February 22, 2022. In the ITC proceeding, Philips seeks an order enjoining respondents from importing, or selling after importation, certain digital video-capable devices and components thereof, including certain PCs, display devices, and components thereof. In the district court action, Philips seeks unspecified damages and an injunction against HP, among other remedies.

<u>Caltech Patent Litigation</u>. On November 11, 2020, the California Institute of Technology ("Caltech") filed a complaint against HP for patent infringement in the federal court for the Western District of Texas. The complaint alleges infringement of three of Caltech's patents, U.S. Patent Nos. 7,116,710, 7,421,032 and 7,916,781. The accused products are HP commercial and consumer PCs that comply with the IEEE 802.11n, 802.11ac, and/or 802.11ax standards. Caltech seeks unspecified damages and other relief.

In re HP Inc. Securities Litigation (Electrical Workers Pension Fund, Local 103, I.B.E.W. v. HP Inc., et al.). On February 19, 2020, Electrical Workers Pension Fund, Local 103, I.B.E.W. filed a putative class action complaint against HP, Dion Weisler, Catherine Lesjak, and Steven Fieler in U.S. District Court in the Northern District of California. On May 20,

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

2020, the court appointed the State of Rhode Island, Office of the General Treasurer, on behalf of the Employees' Retirement System of Rhode Island and Iron Workers Local 580 Joint Funds as Lead Plaintiffs. On July 20, 2020, Lead Plaintiffs filed an amended complaint, which additionally names as defendants Enrique Lores and Christoph Schell. The amended complaint alleges, among other things, that from February 23, 2017 to October 3, 2019, HP and the named officers violated Sections 10(b) and 20(a) of the Exchange Act by making false or misleading statements about HP's printing supplies business, including HP's use of its four-box model to predict the demand for supplies. It further alleges that Dion Weisler and Enrique Lores violated Sections 10(b) and 20A of the Exchange Act by allegedly selling shares of HP common stock during this period while in possession of material, non-public adverse information about HP's print business. Plaintiffs seek compensatory damages and other relief. On October 2, 2020, HP and the named officers filed a motion to dismiss the complaint for failure to state a claim upon which relief can be granted. That motion is due to be fully briefed in early 2021.

York County on behalf of the County of York Retirement Fund v. HP Inc., et al. On November 5, 2020, York County, on behalf of the County of York Retirement Fund, filed a putative class action complaint against HP, Dion Weisler, and Catherine Lesjak in federal court in the Northern District of California. The complaint alleges, among other things, that from November 6, 2015 to June 21, 2016, HP and the named former officers violated Sections 10(b) and 20(a) of the Exchange Act by concealing material information and making false statements about HP's printing supplies business, including information about HP's channel inventory management and sales practices. Plaintiff seeks compensatory damages and other relief.

Legal Proceedings re Authentication of Supplies. Civil litigation or government investigations are pending in the United States, Italy, Israel, and the Netherlands involving supplies authentication protocols used in certain HP printers. These protocols are often referred to as Dynamic Security. The core allegations in these proceedings claim misleading or inadequate consumer notifications and permissions pertaining to the use of Dynamic Security, the impact of firmware updates, or the potential inability of cartridges with clone chips or circuitry to work in HP printers with Dynamic Security.

123Inkt Foundation (Netherlands). On November 23, 2016, a foundation known as Stichting 123Inkt-Huismerk Klanten (the "Foundation") filed a complaint in district court in Amsterdam against HP Nederland B.V. and HP Inc. arising out of the use of Dynamic Security in certain OfficeJet printers. Digital Revolution B.V. (a.k.a. 123Inkt) established the Foundation to pursue the interests of approximately 960 of its customers who transferred their claims to it. The complaint alleges: (1) violation of right of ownership; (2) destruction and damage to property; (3) computer vandalism; (4) unlawful act; (5) non-compliance; (6) unfair commercial practices; (7) misleading commercial practices; and (8) misleading advertising. The complaint seeks injunctive relief to prohibit use of Dynamic Security, damages, and attorneys' fees. On December 27, 2017, the District Court dismissed the case and awarded fees to HP. On January 25, 2018, the Foundation filed a summons with the Amsterdam Court of Appeal to appeal. On December 17, 2019, the Court of Appeal set aside the judgment of the District Court, adopted a new decision declaring that HP provided inadequate and partially incorrect information to the Foundation members around September 13, 2016, awarded damages to them in an amount to be later determined, but denied all other claims, including injunctive relief, holding that the use of Dynamic Security is not inherently impermissible and the Foundation lacks legal interest to pursue such action. On March 19, 2020, the Foundation filed a cassation writ of summons with the Supreme Court of the Netherlands (Hoge Raad der Nederlanden) appealing the decision of the Court of Appeal. On May 29, 2020, the parties filed their opening briefs with the Supreme Court.

Gensin v. HP Inc. (Israel). On October 25, 2017, a purported consumer class action, captioned Gensin v. HP Inc., was filed in the District Court in Jerusalem against HP arising out of the use of Dynamic Security in certain OfficeJet printers. The petition and motion for certification as a class action alleges: (1) tortious wrongdoing in violation of the Computers Law, 5755-1995; (2) breach of Contracts Law, 5731-1970; (3) breach of the Consumer Protection Law, 5741-1981; (4) negligence; and (5) improper enrichment. The named petitioner initially sought to represent nationwide classes comprised of anyone who "owns an HP printer that has been blocked, disrupted, or interfered with by HP in the use of ink cartridges not manufactured by HP" or who "purchased ink cartridges not manufactured by HP for use in the blocked printers." Plaintiff seeks class relief, injunctive relief, damages, and attorneys' fees. On November 16, 2017, a second purported consumer class action was filed against HP in the Central District Court, captioned Dror v. HP, Inc., also arising out of the use of Dynamic Security in certain OfficeJet printers. The petition and motion allege similar causes of action on behalf of similar nationwide classes. After the Dror case was consolidated with the Gensin case in Jerusalem, the District Court on June 24, 2018 dismissed the Dror case and designated Gensin as the lead matter. On March 9, 2020, the petitioner moved to modify the proposed nationwide class to be comprised of "[a]ll persons who have an HP printer and whose printer was blocked or rendered unusable by HP with any ink cartridge that is not made by HP" and "[a]ll persons who purchased ink cartridges that are not made by HP, for use in the Blocked Printers." On July 2, 2020, HP filed its response to the amended petition.

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

Parziale v. HP Inc. (United States). On August 27, 2019, a purported consumer class action was filed against HP in federal court in the Northern District of California arising out of the use of Dynamic Security in certain OfficeJet printers. The complaint alleges two causes of action under Florida Consumer Protection statutes: (1) violation of the Florida Deceptive and Unfair Trade Practices Act, F.S.A. §§ 501.201 et seq., and (2) violation of the Florida Misleading Advertisement Law, F.S.A. §§ 817.41 et seq. The named plaintiff seeks to represent a nationwide class of "[a]ll United States Citizens who, between the applicable statute of limitations and the present, had an HP Printer that was modified to reject third party ink cartridges or refilled HP ink cartridges." On November 13, 2019, plaintiff filed an amended complaint, adding three causes of action to the case: (1) violation of the Computer Fraud and Abuse Act, 18 U.S.C. § 1030 et seq., (2) trespass to chattels, and (3) tortious interference with business relations. Plaintiff seeks class relief, injunctive relief, damages, including punitive damages, and attorneys' fees. On December 30, 2019, HP moved to dismiss plaintiff's amended complaint. On April 24, 2020, the Court granted in part and denied in part HP's motion to dismiss. The Court dismissed plaintiff's causes of action under the Florida Consumer Protection statutes, as well as the tortious interference with business relations claim and four of the five claims under the Computer Fraud and Abuse Act. The Court denied HP's motion to dismiss on the remaining claims and on the request for injunctive relief and granted plaintiff leave to file an amended complaint. On June 5, 2020, plaintiff filed a second amended complaint on behalf of both a nationwide class and a Florida subclass alleging violation of the Florida Deceptive and Unfair Trade Practices Act, violation of the Computer Fraud and Abuse Act, and trespass to chattels. Plaintiff sought class relief, injunctive relief, damages, including punit

Consumer Protection Investigation (Italy). On September 26, 2019, the Italian Competition Authority (Autorità Garante della Concorrenza e del Mercato) ("AGCM") served a Notice of Initiation of Proceedings on HP concerning the investigation of alleged aggressive practices involving undue influence on consumers and alleged misleading actions and omissions regarding the restriction or prevention of the use of third-party ink cartridges in HP printers, accompanied by a request for information. HP submitted its reply to the AGCM's request for information on November 15, 2019 and has addressed subsequent requests for information. On May 22, 2020, the AGCM gave notice that it intended to expand its investigation into certain alleged warranty practices regarding the use of third-party cartridges. On June 26, 2020, HP submitted its response to the warranty allegations. On December 7, 2020, the AGCM notified HP of the AGCM's final decision finding that HP engaged in two unfair commercial practices as follows: (a) the information HP provided to consumers about limitations on the use of certain third-party cartridges in HP printers was allegedly misleading pursuant to Articles 20, 21 and 22 of the Italian Consumer Code, and (b) the alleged use of data to deny warranty coverage and certain alleged data collection practices were aggressive pursuant to Articles 20, 24 and 25 of the Italian Consumer Code. The final decision (i) orders HP to end the allegedly unfair commercial practices; (ii) fines HP €5 million for each alleged unfair practice (total €10 million); (iii) requires HP to file a compliance report within 60 days; (iv) orders HP to publicly publish a corrective statement within 120 days; and (v) orders HP to amend the packaging of its printers within 120 days. The fines are payable within 30 days. HP has 60 days to appeal and intends to appeal.

<u>Digital Revolution B.V. v. HP Nederland B.V., et al.</u> (Netherlands). On March 30, 2020, Digital Revolution B.V. (a.k.a. 123Inkt) served a complaint filed in Amsterdam District Court arising out of the use of Dynamic Security in certain HP printers. The complaint alleges several causes of action: (1) abuse of dominant position; (2) misleading advertising; (3) unfair and misleading commercial practice; and (4) misleading comparative advertising. The complaint seeks injunctive relief, including prohibition of Dynamic Security and disclosure of cartridge authentication protocols, damages, and attorneys' fees. The parties' initial appearance in front of the Court took place on July 8, 2020. On September 9, 2020, HP filed its defense and a counterclaim for unfair commercial practices and misleading and unlawful comparative advertising against Digital Revolution B.V.

SEC Investigation. In 2017, the Company received a subpoena from the SEC requesting documents regarding HP's printing supplies business for the time period before June 2016, with a primary focus on the APJ region. HP fully cooperated with the SEC in connection with its investigation. On September 30, 2020, HP settled with the SEC and entered into an administrative resolution that included findings by the SEC that HP violated Sections 17(a)(2) and 17(a)(3) of the Securities Act of 1933 and Section 13(a) of the Securities Exchange Act of 1934 and the rules thereunder, by failing to disclose certain known trends and uncertainties regarding supplies sales practices and their impact on margin and supplies channel inventory, and that it provided incomplete disclosures regarding supplies channel inventory in its SEC filings and related earnings calls from November 2015 through June 2016. The SEC order imposed a civil penalty of \$6 million. HP neither admitted nor denied the SEC's findings.

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

Autonomy-Related Legal Matters

Investigations. As a result of the findings of an ongoing investigation, HP has provided information to the U.K. Serious Fraud Office, the U.S. Department of Justice ("DOJ") and the SEC related to the accounting improprieties, disclosure failures and misrepresentations at Autonomy that occurred prior to and in connection with HP's acquisition of Autonomy. On January 19, 2015, the U.K. Serious Fraud Office notified HP that it was closing its investigation and had decided to cede jurisdiction of the investigation to the U.S. authorities. On November 14, 2016, the DOJ announced that a federal grand jury indicted Sushovan Hussain, the former CFO of Autonomy. Mr. Hussain was charged with conspiracy to commit wire fraud, securities fraud, and multiple counts of wire fraud. The indictment alleged that Mr. Hussain engaged in a scheme to defraud purchasers and sellers of securities of Autonomy and HP about the true performance of Autonomy's business, its financial condition, and its prospects for growth. A jury trial commenced on February 26, 2018. On April 30, 2018, the jury found Mr. Hussain guilty of all charges against him. On August 26, 2020, the U.S. Court of Appeals for the Ninth Circuit affirmed the judgment of conviction against Mr. Hussain. On November 15, 2016, the SEC announced that Stouffer Egan, the former CEO of Autonomy's U.S.-based operations, settled charges relating to his participation in an accounting scheme to meet internal sales targets and analyst revenue expectations. On November 29, 2018, the DOJ announced that a federal grand jury indicted Michael Lynch, former CEO of Autonomy, and Stephen Chamberlain, former VP of Finance of Autonomy. Dr. Lynch and Mr. Chamberlain were charged with conspiracy to commit wire fraud and multiple counts of wire fraud. HP is continuing to cooperate with the ongoing enforcement actions.

Autonomy Corporation Limited v. Michael Lynch and Sushovan Hussain. On April 17, 2015, four former HP subsidiaries that became subsidiaries of Hewlett Packard Enterprise at the time of the Separation (Autonomy Corporation Limited, Hewlett Packard Vision BV, Autonomy Systems, Limited, and Autonomy, Inc.) initiated civil proceedings in the U.K. High Court of Justice against two members of Autonomy's former management, Michael Lynch and Sushovan Hussain. The Particulars of Claim seek damages in excess of \$5 billion from Messrs. Lynch and Hussain for breach of their fiduciary duties by causing Autonomy group companies to engage in improper transactions and accounting practices. On October 1, 2015, Messrs. Lynch and Hussain filed their defenses. Mr. Lynch also filed a counterclaim against Autonomy Corporation Limited seeking \$160 million in damages, among other things, for alleged misstatements regarding Lynch. The Hewlett Packard Enterprise subsidiary claimants filed their replies to the defenses and the asserted counter-claim on March 11, 2016. Trial began on March 25, 2019 and was completed in January 2020. The parties are awaiting a ruling from the Court.

Environmental

HP's business is subject to various federal, state, local and foreign laws and regulations that could result in costs or other sanctions that adversely affect our business and results of operations. For example, HP is subject to laws and regulations concerning environmental protection, including laws addressing the discharge of pollutants into the air and water, the management and disposal of hazardous substances and wastes, the clean-up of contaminated sites, the content of HP's products and the recycling, treatment and disposal of those products, including batteries. In particular, HP faces increasing complexity in its product design and procurement operations as it adjusts to new and future requirements relating to the chemical and materials composition of its products, their safe use, the energy consumption associated with those products, climate change laws and regulations, and product repairability, reuse and take-back legislation. HP could incur substantial costs, its products could be restricted from entering certain jurisdictions, and it could face other sanctions, if it were to violate or become liable under environmental laws or if its products become noncompliant with environmental laws. HP's potential exposure includes fines and civil or criminal sanctions, third-party property damage or personal injury claims and clean-up costs. The amount and timing of costs to comply with environmental laws are difficult to predict.

HP is party to, or otherwise involved in, proceedings brought by U.S. or state environmental agencies under the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), known as "Superfund," or state laws similar to CERCLA, and may become a party to, or otherwise involved in, proceedings brought by private parties for contribution towards clean-up costs. HP is also conducting environmental investigations or remediations at several current or former operating sites pursuant to administrative orders or consent agreements with state environmental agencies.

The separation and distribution agreement between HP and Hewlett Packard Enterprise includes provisions that provide for the allocation of environmental liabilities including certain remediation obligations; responsibilities arising from the chemical and materials composition of their respective products, their safe use and their energy consumption; obligations under product take back legislation that addresses the collection, recycling, treatment and disposal of products; and other environmental matters. HP will generally be responsible for environmental liabilities related to the properties and other assets, including products, allocated to HP under the separation and distribution agreement and other ancillary agreements. Under these

Notes to Consolidated Financial Statements (Continued)

Note 14: Litigation and Contingencies (Continued)

agreements, HP will indemnify Hewlett Packard Enterprise for liabilities for specified ongoing remediation projects, subject to certain limitations, and Hewlett Packard Enterprise has a payment obligation for a specified portion of the cost of those remediation projects. In addition, HP will share with Hewlett Packard Enterprise other environmental liabilities as set forth in the separation and distribution agreement. HP is indemnified in whole or in part by Hewlett Packard Enterprise for liabilities arising from the assets assigned to Hewlett Packard Enterprise and for certain environmental matters as detailed in the separation and distribution agreement.

Note 15: Guarantees, Indemnifications and Warranties

Guarantees

In the ordinary course of business, HP may issue performance guarantees to certain of its clients, customers and other parties pursuant to which HP has guaranteed the performance obligations of third parties. Some of those guarantees may be backed by standby letters of credit or surety bonds. In general, HP would be obligated to perform over the term of the guarantee in the event a specified triggering event occurs as defined by the guarantee. HP believes the likelihood of having to perform under a material guarantee is remote.

Cross-Indemnifications with Hewlett Packard Enterprise

Under the separation and distribution agreement, HP agreed to indemnify Hewlett Packard Enterprise, each of its subsidiaries and each of their respective directors, officers and employees from and against all liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to HP as part of the Separation. Hewlett Packard Enterprise similarly agreed to indemnify HP, each of its subsidiaries and each of their respective directors, officers and employees from and against all liabilities relating to, arising out of or resulting from, among other matters, the liabilities allocated to Hewlett Packard Enterprise as part of the Separation. HP expects Hewlett Packard Enterprise to fully perform under the terms of the separation and distribution agreement.

For information on cross-indemnifications with Hewlett Packard Enterprise for litigation matters, see Note 14, "Litigation and Contingencies". In connection with the Separation, HP entered into the Tax Matters Agreement ("TMA") with Hewlett Packard Enterprise, effective on November 1, 2015. The TMA provided that HP and Hewlett Packard Enterprise will share certain pre-Separation income tax liabilities. The TMA was terminated during the fourth quarter of fiscal year 2019.

Indemnifications

In the ordinary course of business, HP enters into contractual arrangements under which HP may agree to indemnify a third party to such arrangement from any losses incurred relating to the services they perform on behalf of HP or for losses arising from certain events as defined within the particular contract, which may include, for example, litigation or claims relating to past performance. HP also provides indemnifications to certain vendors and customers against claims of intellectual property infringement made by third parties arising from the vendors' and customers' use of HP's software products and services and certain other matters. Some indemnifications may not be subject to maximum loss clauses. Historically, payments made related to these indemnifications have been immaterial.

HP records tax indemnification receivables from various third parties for certain tax liabilities that HP is jointly and severally liable for, but for which it is indemnified by those same third parties under existing legal agreements. HP records a tax indemnification payable to various third parties under these agreements when management believes that it is both probable that a liability has been incurred and the amount can be reasonably estimated. The actual amount that the third parties pay or may be obligated to pay HP could vary depending on the outcome of certain unresolved tax matters, which may not be resolved for several years.

Warranties

HP accrues the estimated cost of product warranties at the time it recognizes revenue. HP engages in extensive product quality programs and processes, including actively monitoring and evaluating the quality of its component suppliers; however, contractual warranty terms, repair costs, product call rates, average cost per call, current period product shipments and ongoing product failure rates, as well as specific product class failures outside of HP's baseline experience, affect the estimated warranty obligation.

HP's aggregate product warranty liabilities and changes were as follows:

Notes to Consolidated Financial Statements (Continued)

Note 15: Guarantees, Indemnifications and Warranties (Continued)

	F	For the fiscal years ended October 31		
		2020 2019		2019
		In m	illions	
Balance at beginning of year	\$	922	\$	915
Accruals for warranties issued		977		1,051
Adjustments related to pre-existing warranties (including changes in estimates)		38		(3)
Settlements made (in cash or in kind)		(944)		(1,041)
Balance at end of year	\$	993	\$	922

Note 16: Commitments

Unconditional Purchase Obligations

As of October 31, 2020, HP had unconditional purchase obligations of \$499 million. These unconditional purchase obligations include agreements to purchase goods or services that are enforceable and legally binding on HP and that specify all significant terms, including fixed or minimum quantities to be purchased, fixed, minimum or variable price provisions and the approximate timing of the transaction. These unconditional purchase obligations are primarily related to inventory and service support. Unconditional purchase obligations exclude agreements that are cancelable without penalty.

As of October 31, 2020, unconditional purchase obligations were as follows:

Fiscal year	In millions
2021	\$ 290
2022	116
2023	47
	35
2024 2025	5
Thereafter	6
Total	\$ 499

Notes to Consolidated Financial Statements (Continued)

Note 17: Leases

HP determines, at lease inception, whether or not an arrangement contains a lease. A significant portion of the operating lease portfolio includes real estate leases. Additionally, HP has identified embedded operating leases within certain outsourced supply chain contracts. Leasing arrangements typically range in terms from 1 to 13 years with varying renewal and termination options. Substantially all of HP's leases are considered operating leases. Finance leases, short-term leases and sub-lease income were not material as of October 31, 2020 or for the fiscal year ended October 31, 2020.

Lease terms include options to extend or terminate the lease when it is reasonably certain that HP will exercise such options. HP generally considers the economic life of the ROU assets to be comparable to the useful life of similar owned assets. HP's leases generally do not provide a residual guarantee.

Operating leases are included in Other non-current assets, Other current liabilities and Other non-current liabilities. Finance leases are included in Property, plant and equipment, net, Notes payable and short-term borrowings and Long-term debt in the Consolidated Balance Sheets.

As most of the leases do not provide an implicit interest rate, HP uses the incremental borrowing rate based on the information available at the commencement date of a lease in determining the present value of lease payments. The incremental borrowing rate is determined based on the rate of interest that HP would have to pay to borrow an amount equal to the lease payments on a collateralized basis over a similar term. HP uses the unsecured borrowing rate and risk-adjusts that rate to approximate a collateralized rate.

HP has elected the practical expedient to combine lease and non-lease components as a single lease element for its real estate leases and certain outsourced supply chain contracts in calculating the ROU assets and lease liabilities. Where HP chooses not to combine the lease and non-lease components, HP allocates contract consideration to the lease and non-lease components based on relative standalone prices.

HP reviews the impairment of the ROU assets consistent with the approach applied for other long-lived assets.

The components of lease expense are as follows:

	For	For the fiscal year ended October 31, 2020	
		In millions	
Operating lease cost	\$	236	
Variable cost		108	
Total lease expense	\$	344	

All lease expenses, including variable lease costs, are primarily included in Cost of revenue and Selling, general and administrative expenses in the Consolidated Statements of Earnings based on the use of the facilities.

Variable lease expense relates primarily to leased real estate utilized for office space and outsourced warehousing. These costs primarily include adjustments for inflation, payments dependent on a rate or index or usage of asset and common area maintenance charges. These costs are not included in the lease liability and are recognized in the period in which they are incurred.

The following table presents supplemental information relating to the cash flows arising from lease transactions. Cash payments made from variable lease costs and short-term leases are not included in the measurement of operating lease liabilities, and, as such, are excluded from the amounts below:

		fiscal year ended tober 31, 2020
	J	In millions
Cash paid for amount included in the measurement of lease liabilities	\$	236
Right-of-use assets obtained in exchange of lease liabilities ⁽¹⁾	\$	226

⁽¹⁾ Includes the impact of new leases as well as remeasurements and modifications to existing leases.

Notes to Consolidated Financial Statements (Continued)

Note 17: Leases (Continued)

Weighted-average information associated with the measurement of our remaining operating lease liabilities is as follows:

	As of October 31, 2020
Weighted-average remaining lease term in years	6
Weighted-average discount rate	3.1 %

The following maturity analysis presents expected undiscounted cash outflows for operating leases on an annual basis for the next five years:

Fiscal year	In millions
2021	\$ 303
2022	247
2023	191
2024	131
2025	110
Thereafter	297
Total lease payments	\$ 1,279
Less: Imputed interest	(100)
Total lease liabilities	\$ 1,179

The following table, which was included in our Annual Report on Form 10-K for the fiscal year ended October 31, 2019, depicts gross minimum rental commitments under non-cancelable leases for real estate, personal property leases, sublease income commitments and operating lease commitments at October 31, 2019:

Fiscal year	In millions
Less than 1 year	\$ 28
1-3 years	39
3-5 years	26.
More than 5 years	39.
Total (1)	\$ 1,34

⁽¹⁾ Amounts represent the operating lease obligations, net of total sublease income of \$130 million.

There were no material operating leases that HP had entered into and that were yet to commence as of October 31, 2020.

Notes to Consolidated Financial Statements (Continued)

Note 18: Acquisitions

Acquisitions in Fiscal Year 2019

On November 1, 2018, HP completed the acquisition of the Apogee group. This acquisition furthers HP's plan to disrupt the A3 copier market and builds on its printing strategy to enhance its A3 and A4 product portfolio; build differentiated solutions and tools to expand its MPS, and invest in its direct and indirect go-to-market capabilities. Apogee augments HP's services portfolio in contractual office printing and MPS, where solutions are increasingly important for SMBs. HP reports the financial results of the above business in the Printing segment.

The table below presents the purchase price allocation.

	 In millions
Goodwill	\$ 382
Amortizable intangible assets	292
Net liabilities assumed	(196)
Total fair value of consideration	\$ 478

Quarterly Summary

(Unaudited)

(In millions, except per share amounts)

For the three-month fiscal periods ended in fiscal year 2020

	_	January 31		April 30		July 31		October 31
Net revenue	\$	14,618	\$	12,469	\$	14,294	\$	15,258
Cost of revenue		11,746		9,976		11,901		12,579
Earnings from operations		865		826		779		992
Net earnings	\$	678	\$	764	\$	734	\$	668
Net earnings per share:(1)								
Basic	\$	0.47	\$	0.53	\$	0.52	\$	0.50
Diluted	\$	0.46	\$	0.53	\$	0.52	\$	0.49
Cash dividends paid per share	\$	0.18	\$	0.17	\$	0.18	\$	0.17
				For the three-mo	nth f	iscal periods ear 2019		
		January 31		April 30		July 31		October 31
NT /	ф	14710	ф	14.026	ф	14.602	ф	1.5.407

	 ended in fiscal year 2019					
	January 31		April 30		July 31	October 31
Net revenue	\$ 14,710	\$	14,036	\$	14,603	\$ 15,407
Cost of revenue	12,098		11,307		11,698	12,483
Earnings from operations	926		928		1,079	944
Net earnings	\$ 803	\$	782	\$	1,179	\$ 388
Net earnings per share:(1)						
Basic	\$ 0.52	\$	0.51	\$	0.79	\$ 0.26
Diluted	\$ 0.51	\$	0.51	\$	0.78	\$ 0.26
Cash dividends paid per share	\$ 0.16	\$	0.16	\$	0.16	\$ 0.16

⁽¹⁾ Net EPS for each quarter is computed using the weighted-average number of shares outstanding during that quarter, while EPS for the fiscal year is computed using the weighted-average number of shares outstanding during the year. Hence, the sum of the EPS for each of the four quarters may not equal the EPS for the fiscal year.

ITEM 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure.

None.

ITEM 9A. Controls and Procedures.

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 the design and operation of our disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act as of the end of the period covered by this report (the "Evaluation Date"). Based on this evaluation, our principal executive officer and principal financial officer concluded as of the Evaluation Date that our disclosure controls and procedures were effective such that the information required to be disclosed by us in our SEC reports (i) is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and (ii) is accumulated and communicated to HP's management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

Under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, we conducted an evaluation of any changes in our internal control over financial reporting (as such term is defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during our most recently completed fiscal quarter. Based on that evaluation, our principal executive officer and principal financial officer concluded that there has not been any change in our internal control over financial reporting during the fourth quarter of fiscal year 2020 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

We do not believe there has been any material impact to our internal controls over financial reporting notwithstanding that most of our employees are working remotely due to the COVID-19 pandemic. We continue to monitor and assess the COVID-19 situation on our internal controls to address any potential impact on their design and operating effectiveness.

See Management's Report on Internal Control over Financial Reporting and the Report of Independent Registered Public Accounting Firm on our internal control over financial reporting in Item 8, which are incorporated herein by reference.

ITEM 9B. Other Information.

None.

PART III

ITEM 10. Directors, Executive Officers and Corporate Governance.

The names of the executive officers of HP and their ages, titles and biographies as of the date hereof are incorporated by reference from Part I, Item 1, above.

The following information is included in HP's Proxy Statement related to its 2020 Annual Meeting of Stockholders to be filed within 120 days after HP's fiscal year end of October 31, 2020 (the "Proxy Statement") and is incorporated herein by reference:

- Information regarding directors of HP who are standing for reelection and any persons nominated to become directors of HP is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors."
- Information regarding HP's Audit Committee and designated "audit committee financial experts" is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors—How We Are Organized—Audit Committee."
- Information on HP's code of business conduct and ethics for directors, officers and employees, also known as "Integrity at HP", is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors—How We Govern and Are Governed—Code of Conduct" and information on HP's Corporate Governance Guidelines is set forth under "—How We Are Selected—Director Nominees and Director Nominees' Experience and Qualifications" and "—How We Govern and Are Governed—Director Independence."

ITEM 11. Executive Compensation.

The following information is included in the Proxy Statement and is incorporated herein by reference:

- Information regarding HP's compensation of its named executive officers is set forth under "Executive Compensation."
- Information regarding HP's compensation of its directors is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors—How We Are Compensated—Director Compensation and Stock Ownership Guidelines."
- The report of HP's HR and Compensation Committee is set forth under "Executive Compensation—Management Proposal No. 3 Advisory Vote to Approve Executive Compensation—HR and Compensation Committee Report on Executive Compensation."

ITEM 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.

The following information is included in the Proxy Statement and is incorporated herein by reference:

- Information regarding security ownership of certain beneficial owners, directors and executive officers is set forth under "Ownership of Our Stock—Common Stock Ownership of Certain Beneficial Owners and Management."
- Information regarding HP's equity compensation plans, including both stockholder approved plans and non-stockholder approved plans, is set forth in the section entitled "Executive Compensation—Management Proposal No. 3 Advisory Vote to Approve Executive Compensation—Equity Compensation Plan Information."

ITEM 13. Certain Relationships and Related Transactions, and Director Independence.

The following information is included in the Proxy Statement and is incorporated herein by reference:

- Information regarding transactions with related persons is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors—Related-Person Transactions Policies and Procedures—Fiscal 2020 Related-Person Transactions."
- Information regarding director independence is set forth under "Corporate Governance and Board of Directors—Management Proposal No. 1 Election of Directors—How We Govern and Are Governed—Director Independence."

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ITEM 14. Principal Accounting Fees and Services.

Information regarding principal accounting fees and services is set forth under "Audit Matters—Management Proposal No. 2 Ratification of Independent Registered Public Accounting Firm—Principal Accounting Fees and Services" in the Proxy Statement, which information is incorporated herein by reference.

PART IV

ITEM 15. Exhibits and Financial Statement Schedules.

- (a) The following documents are filed as part of this report:
- 1. All Financial Statements:

The following financial statements are filed as part of this report under Item 8—"Financial Statements and Supplementary Data."

Reports of Independent Registered Public Accounting Firm	<u>53</u>
Management's Report on Internal Control Over Financial Reporting	<u>57</u>
Consolidated Statements of Earnings	<u>58</u>
Consolidated Statements of Comprehensive Income	<u>59</u>
Consolidated Balance Sheets	<u>60</u>
Consolidated Statements of Cash Flows	<u>61</u>
Consolidated Statements of Stockholders' Deficit	<u>62</u>
Notes to Consolidated Financial Statements	<u>63</u>
Quarterly Summary	<u>119</u>

2. Financial Statement Schedules:

All schedules are omitted as the required information is not applicable or the information is presented in the Consolidated Financial Statements and notes thereto in Item 8 above.

3. Exhibits:

Exhibit Number	Exhibit Description	Form	File No.	porated by Refe Exhibit(s)	Filing Date
2(a)		8-K	001-04423	2.1	November 5, 2015
2(b)	Transition Services Agreement, dated as of November 1, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company.**	8-K	001-04423	2.2	November 5, 2015
2(d)	Employee Matters Agreement, dated as of October 31, 2015, by and between Hewlett-Packard Company and Hewlett Packard Enterprise Company.**	8-K	001-04423	2.4	November 5, 2015
3(a)	Registrant's Certificate of Incorporation.	10-Q	001-04423	3(a)	June 12, 1998
3(b)	Registrant's Amendment to the Certificate of Incorporation.	10-Q	001-04423	3(b)	March 16, 2001

3(c)	Registrant's Certificate of Amendment to the Certificate of Incorporation.	8-K	001-04423	3.2	October 22, 2015
3(d)	Registrant's Certificate of Amendment to the Certificate of Incorporation.	8-K	001-04423	3.1	April 7, 2016
3(e)	Registrant's Amended and Restated Bylaws.	8-K	001-04423	3.1	February 13, 2019
3(f)	Certificate of Designations of Series A Junior Participating Preferred Stock of HP Inc.	8-K	001-04423	3.1	February 20, 2020
4(a)	Form of Senior Indenture	S-3	333-215116	4.1	December 15, 2016
4(b)	Form of Subordinated Indenture.	S-3	333-21516	4.2	December 15, 2016
4(c)	Form of Registrant's 3.750% Global Note due December 1, 2020 and form of related Officers' Certificate.	8-K	001-04423	4.2 and 4.3	December 2, 2010
4(d)	Form of Registrant's 4.300% Global Note due June 1, 2021 and form of related Officers' Certificate.	8-K	001-04423	4.5 and 4.6	June 1, 2011
4(e)	Form of Registrant's 4.375% Global Note due September 15, 2021 and 6.000% Global Note due September 15, 2041 and form of related Officers' Certificate.	8-K	001-04423	$\frac{4.4}{4.6}$ and	September 19, 2011
4(f)	Form of Registrant's 4.650% Global Note due December 9, 2021 and related Officers' Certificate.	8-K	001-04423	4.3 and 4.4	December 12, 2011
4(g)	Form of Registrant's 4.050% Global Note due September 15, 2022 and related Officers' Certificate.	8-K	001-04423	4.2 and 4.3	March 12, 2012
4(h)	Specimen certificate for the Registrant's common stock.	8-A/A	001-04423	4.1	June 23, 2006
4(i)	First Supplemental Indenture, dated as of March 26, 2018, to the Indenture, dated as of June 1, 2000, by and between the Registrant and The Bank of New York Mellon Trust Company, N.A.	10-Q	001-04423	4(j)	June 5, 2018
4(j)	Description of HP Inc.'s securities.	10-K	001-04423	4(j)	December 12, 2019
4(k)	Rights Agreement, dated as of February 20, 2020, between HP Inc. and Equiniti Trust Company, as rights agent, which includes the form of Right Certificate as Exhibit B and the Summary of Rights to Purchase Preferred Shares as Exhibit C.	8-K	001-04423	4.1	February 20, 2020
4(1)	First Amendment to Rights Agreement, dated as of June 25, 2020, between HP Inc. and Equiniti Trust Company, as rights agent.	8-K	001-04423	4.1	June 26, 2020
4(m)	Indenture, dated as of June 17, 2020, between HP Inc. and The Bank of New York Mellon Trust Company, N.A., as trustee.	8-K	001-04423	4.1	June 17, 2020
4()					1 15 2020
4(n)	Form of 2.200% notes due 2025 and related Officers' Certificate.	8-K	001-04423	4.2 and 4.5	June 17, 2020
()		8-K 8-K	001-04423 001-04423	4.2 and 4.5 4.3 and 4.5	June 17, 2020 June 17, 2020

Exhibit		Incorporated by Reference		ence	
Number	Exhibit Description	Form	File No.	Exhibit(s)	Filing Date
10(a)	Registrant's 2004 Stock Incentive Plan.*	S-8	333-114253	4.1	April 7, 2004
10(b)	Registrant's Excess Benefit Retirement Plan, amended and restated as of January 1, 2006.*	8-K	001-04423	10.2	September 21, 2006
10(c)	Hewlett-Packard Company Cash Account Restoration Plan, amended and restated as of January 1, 2005.*	8-K	001-04423	99.3	November 23, 2005
10(d)	Registrant's 2005 Pay-for-Results Plan, as amended.*	10-K	001-04423	10(h)	December 14, 2011
10(e)	Registrant's Executive Severance Agreement.*	10-Q	001-04423	10(u)(u)	June 13, 2002
10(f)	Registrant's Executive Officers Severance Agreement.*	10-Q	001-04423	10(v)(v)	June 13, 2002
10(g)	Form letter regarding severance offset for restricted stock and restricted units.*	8-K	001-04423	10.2	March 22, 2005
10(h)	Form of Agreement Regarding Confidential Information and Proprietary Developments (California).*	8-K	001-04423	10.2	January 24, 2008
10(i)	Form of Agreement Regarding Confidential Information and Proprietary Developments (Texas).*	10-Q	001-04423	10(o)(o)	March 10, 2008
10(j)	Form of Stock Option Agreement for Registrant's 2004 Stock Incentive Plan.*	10-Q	001-04423	10(p)(p)	March 10, 2008
10(k)	Form of Option Agreement for Registrant's 2000 Stock Plan.*	10-Q	001-04423	10(t)(t)	June 6, 2008
10(1)	Form of Common Stock Payment Agreement for Registrant's 2000 Stock Plan.*	10-Q	001-04423	10(u)(u)	June 6, 2008
10(m)	Form of Stock Notification and Award Agreement for awards of non-qualified stock options.*	10-K	001-04423	10(y)(y)	December 18, 2008
10(n)	First Amendment to the Hewlett-Packard Company Excess Benefit Retirement Plan.*	10-Q	001-04423	10(b)(b)(b)	March 10, 2009
10(o)	Form of Stock Notification and Award Agreement for awards of non-qualified stock options.*	10-K	001-04423	10(i)(i)(i)	December 15, 2010
10(p)	Form of Agreement Regarding Confidential Information and Proprietary Developments (California—new hires).*	10-K	001-04423	10(j)(j)(j)	December 15, 2010
10(q)	Form of Agreement Regarding Confidential Information and Proprietary Developments (California—current employees).*	10-K	001-04423	10(k)(k)(k)	December 15, 2010
10(r)	Second Amended and Restated Hewlett-Packard Company 2004 Stock Incentive Plan, as amended effective February 28, 2013.*	8-K	001-04423	10.2	March 21, 2013
10(s)	Form of Stock Notification and Award Agreement for awards of restricted stock units.*	10-Q	001-04423	10(u)(u)	March 11, 2014
10(t)	Form of Stock Notification and Award Agreement for awards of foreign stock appreciation rights.*	10-Q	001-04423	10(v)(v)	March 11, 2014
10(u)	Form of Stock Notification and Award Agreement for long- term cash awards.*	10-Q	001-04423	10(w)(w)	March 11, 2014
10(v)	Form of Stock Notification and Award Agreement for awards of non-qualified stock options.*	10-Q	001-04423	10(x)(x)	March 11, 2014
10(w)		10-Q	001-04423	10(y)(y)	March 11, 2014
	adjusted restricted stock units.*				

Exhibit			Inc	corporated by Refer	ence
Number	Exhibit Description	Form	File No.	Exhibit(s)	Filing Date
10(x)	Form of Stock Notification and Award Agreement for awards of restricted stock.*	10-Q	001-04423	10(z)(z)	March 11, 2014
10(y)	Form of Stock Notification and Award Agreement for awards of performance-contingent non-qualified stock options.*	10-Q	001-04423	10(a)(a)(a)	March 11, 2014
10(z)	Form of Grant Agreement for grants of performance- contingent non-qualified stock options.*	10-Q	001-04423	10(b)(b)(b)	March 11, 2014
10(a)(a)	Form of Grant Agreement for grants of restricted stock units.*	10-Q	001-04423	10(c)(c)(c)	March 11, 2015
10(b)(b)	Form of Grant Agreement for grants of foreign stock appreciation rights.*	10-Q	001-04423	10(d)(d)(d)	March 11, 2015
10(c)(c)	Form of Grant Agreement for grants of long-term cash awards.*	10-Q	001-04423	10(e)(e)(e)	March 11, 2015
10(d)(d)	Form of Grant Agreement for grants of non-qualified stock options.*	10-Q	001-04423	10(f)(f)(f)	March 11, 2015
10(e)(e)	Form of Grant Agreement for grants of performance- adjusted restricted stock units.*	10-Q	001-04423	10(g)(g)(g)	March 11, 2015
10(f)(f)	Form of Grant Agreement for grants of restricted stock awards.*	10-Q	001-04423	10(h)(h)(h)	March 11, 2015
10(g)(g)	Form of Grant Agreement for grants of performance-contingent non-qualified stock options.*	10-Q	001-04423	10(i)(i)(i)	March 11, 2015
10(h)(h)	Term Loan Agreement, dated as of April 30, 2015, among the Registrant, the lenders named therein and JPMorgan Chase Bank, N.A., as administrative agent.	10-Q	001-04423	10(b)(b)(b)	June 8, 2015
10(i)(i)	Amendment, dated as of June 1, 2015, to the Term Loan Agreement, dated as of April 30, 2015, among the Registrant, the lenders named therein and JPMorgan Chase Bank, N.A., as administrative agent.	10-Q	001-04423	10(c)(c)(c)	June 8, 2015
10(j)(j)	Second Amended and Restated Five-Year Credit Agreement, dated as of April 2, 2014, as Amended and Restated as of November 1, 2015, among the Registrant, the lenders named therein and Citibank, N.A., as administrative processing agent and co-administrative agent, and JPMorgan Chase Bank, N.A., as co-administrative agent.**	10-Q	001-04423	10.(j)(j)	June 5, 2018
10(k)(k)	Amendment No. 1, dated March 1, 2019 to Second Amended and Restated Five-Year Credit Agreement, dated as of April 2, 2014, as Amended and Restated as of November 1, 2015, as further Amended and Restated as of March 30, 2018, among the Registrant, the lenders named therein and Citibank, N.A., as administrative processing agent and co-administrative agent, and JPMorgan Chase Bank, N.A., as co-administrative agent.	10-Q	001-04423	10(k)(k)	March 5, 2019
10(1)(1)	Form of Grant Agreement for grants of foreign stock appreciation rights.*	10-K	001-04423	10(e)(e)(e)	December 16, 2015
10(m)(m)	Form of Grant Agreement for grants of performance- contingent non-qualified stock options.*	10-K	001-04423	10(f)(f)(f)	December 16, 2015
10(n)(n)	Form of Grant Agreement for grants of non-qualified stock options.*	10-K	001-04423	10(g)(g)(g)	December 16, 2015

Exhibit		Incorporated by Reference			rence
Number	Exhibit Description	Form	File No.	Exhibit(s)	Filing Date
10(o)(o)	Registrant's 2005 Executive Deferred Compensation Plan, amended and restated effective November 1, 2017.*	10-K/A	001-04423	10(n)(n)	December 15, 2017
10(p)(p)	Registrant's Severance and Long-Term Incentive Change in Control Plan for Executive Officers, amended and restated effective February 28, 2020.*	10-Q	001-04423	10(p)(p)	March 5, 2020
10(q)(q)	Form of Stock Notification and Award Agreement for awards of performance-contingent non-qualified stock options (launch grant).*	10-Q	001-04423	10(p)(p)	March 3, 2016
10(r)(r)	Form of Stock Notification and Award Agreement for awards of restricted stock units (launch grant).*	10-Q	001-04423	10(q)(q)	March 3, 2016
10(s)(s)	Form of Stock Notification and Award Agreement for awards of restricted stock units.*	10-Q	001-04423	10(r)(r)	March 3, 2016
10(t)(t)	Form of Stock Notification and Award Agreement for awards of performance-adjusted restricted stock units.*	10-Q	001-04423	10(s)(s)	March 3, 2016
10(u)(u)	Form of Amendment to Award Agreements for awards of restricted stock units or performance-adjusted restricted stock units, effective January 1, 2016.*	10-Q	001-04423	10(t)(t)	March 3, 2016
10(v)(v)	First Amendment to Severance and Long-Term Incentive Change in Control Plan for Executive Officers, as amended and restated effective November 1, 2015.*	10-K	001-04423	10(u)(u)	December 15, 2016
10(w)(w)	Second Amendment to Severance and Long-Term Incentive Change in Control Plan for Executive Officers, as amended and restated effective November 1, 2015.*	10-Q	001-04423	10(v)(v)	March 2, 2017
10(x)(x)	2017 Amendment to the Hewlett-Packard Company Cash Account Restoration Plan.*	10-Q	001-04423	10(w)(w)	March 2, 2017
10(y)(y)	Second Amendment to the Hewlett-Packard Company Excess Benefit Retirement Plan.*	10-Q	001-04423	10(x)(x)	March 2, 2017
10(z)(z)	Second Amended and Restated HP Inc. 2004 Stock Incentive Plan, as amended and restated effective January 23, 2017.*	10-Q	001-04423	10(y)(y)	March 2, 2017
10(a)(a)(a)	Form of Grant Agreement for grants of performance- adjusted restricted stock units (for use from November 1, 2016).*	10-Q	001-04423	10(z)(z)	March 2, 2017
10(b)(b)(b)	Form of Grant Agreement for grants of restricted stock units (for use from November 1, 2016).*	10-Q	001-04423	10(a)(a)(a)	March 2, 2017
10(c)(c)(c)	Second Amended and Restated HP Inc. 2004 Stock Incentive Plan (as amended effective January 29, 2018).*	10-Q	001-04423	10(b)(b)(b)	March 1, 2018
10(d)(d)(d)	Form of Grant Agreement for grants of restricted stock units (for use from November 1, 2017).*	10-Q	001-04423	10(c)(c)(c)	March 1, 2018
10(e)(e)(e)	Form of Grant Agreement for grants of performance- adjusted restricted stock units (for use from November 1, 2017).*	10-Q	001-04423	10(d)(d)(d)	March 1, 2018
10(f)(f)(f)	Form of Grant Agreement for grants of restricted stock units for directors (for use from November 1, 2017).*	10-Q	001-04423	10(e)(e)(e)	March 1, 2018

Exhibit			Inco	orporated by Refer	ence
Number	Exhibit Description	Form	File No.	Exhibit(s)	Filing Date
10(g)(g)(g)	Form of Grant Agreement for grants of stock options for directors (for use from November 1, 2017).*	10-Q	001-04423	10(f)(f)(f)	March 1, 2018
10(h)(h)(h)	Form of Grant Agreement for grants of restricted stock units (for use from November 1, 2018).*	10-K	001-04423	10(g)(g)(g)	December 13, 2018
10(i)(i)(i)	Form of Grant Agreement for grants of performance-adjusted restricted stock units (for use from November 1, 2018).*	10-K	001-04423	10(h)(h)(h)	December 13, 2018
10(j)(j)(j)	Form of Grant Agreement for grants of stock options for directors (for use from November 1, 2018).*	10-Q	001-04423	10.(j)(j)(j)	March 5, 2019
10(k)(k)(k)	Form of Grant Agreement for grants of restricted stock units for directors (for use from November 1, 2018).*	10-Q	001-04423	10.(k)(k)(k)	March 5, 2019
10(1)(1)(1)	Form of Grant Agreement for grants of restricted stock units (for use from July 1, 2019).*	10-Q	001-04423	10.(1)(1)(1)	August 29, 2019
10(m)(m)(m)	Form of Grant Agreement for grants of non-qualified stock ontions *	10-K	001-04423	10(m)(m)(m)	December 12, 2019
10(n)(n)(n)	Form of Retention Grant Agreement for grants of non-qualified stock options.*	10-K	001-04423	10(n)(n)(n)	December 12, 2019
10(o)(o)(o)	Form of Grant Agreement for grants of stock options for directors (for use from January 15, 2020).*	10-Q	001-04423	10(m)(m)(m)	March 5, 2020
10(p)(p)(p)	Form of Grant Agreement for grants of restricted stock units for directors (for use from January 15, 2020).*	10-Q	001-04423	10(n)(n)(n)	March 5, 2020
10(q)(q)(q)	Form of Retention Grant Agreement for grants of restricted stock units (for use from November 1, 2019).*	10-Q	001-04423	10(o)(o)(o)	March 5, 2020
10(r)(r)(r)	Form of Grant Agreement for grants of restricted stock units (for use from November 1, 2019).*	10-Q	001-04423	10(p)(p)(p)	March 5, 2020
10(s)(s)(s)	· · · · · · · · · · · · · · · · · · ·	10-Q	001-04423	10(q)(q)(q)	March 5, 2020
10(t)(t)(t)	Amendment Number One to Second Amended and Restated HP Inc. 2004 Stock Incentive Plan (as amended effective February 28, 2020).*	10-Q	001-04423	10(r)(r)(r)	June 5, 2020
10(u)(u)(u)	Amendment Number One to Registrant's 2005 Executive Deferred Compensation Plan (as amended effective February 28, 2020).*	10-Q	001-04423	10(s)(s)(s)	June 5, 2020
10(v)(v)(v)	HP Inc. 2021 Employee Stock Purchase Plan.*	10-Q	001-04423	10(t)(t)(t)	June 5, 2020
10(w)(w)(w)	364-Day Credit Agreement, dated as of May 29, 2020, among the Registrant, the lenders named therein, and JPMorgan Chase Bank, N.A., as administrative agent.	10-Q	001-04423	10(u)(u)(u)	June 5, 2020
10(x)(x)(x)	Amendment Number Two to Second Amended and Restated HP Inc. 2004 Stock Incentive Plan (as amended effective September 21, 2020).*†				
10(y)(y)(y)	Amendment Number Two to Registrant's 2005 Executive Deferred Compensation Plan (as amended effective September 21, 2020).*†				
21	Subsidiaries of the Registrant as of October 31, 2020.†				
23	Consent of Independent Registered Public Accounting Firm.†				

Exhibit Number 24 Power of Attorney (included on the signature page). 31.1 Certification of Chief Executive Officer pursuant to Rule 13a-14(a) and Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended.† Certification of Chief Financial Officer pursuant to Rule 13a-14(a) and Rule 15d-14(a) of the Securities Exchange Act of 1934, as amended.† Certification of Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.†† 32 101.INS XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.† 101.SCH Inline XBRL Taxonomy Extension Schema Document.† 101.CAL Inline XBRL Taxonomy Extension Calculation Linkbase Document.† 101.DEF Inline XBRL Taxonomy Extension Definition Linkbase Document.† 101.LAB Inline XBRL Taxonomy Extension Label Linkbase Document.† 101.PRE Inline XBRL Taxonomy Extension Presentation Linkbase Document.† The cover page from the Company's Annual Report on Form 10-K for the fiscal year ended October 31, 2020, formatted in Inline 104 XBRL (included within the Exhibit 101 attachments).†

- * Indicates management contract or compensatory plan, contract or arrangement.
- ** Certain schedules and exhibits to this agreement have been omitted pursuant to Item 601(a)(5) of Registration S-K. A copy of any omitted schedule and/or exhibit will be furnished supplementally to the SEC upon request.

Incorporated by Reference

- † Filed herewith.
- †† Furnished herewith.

The registrant agrees to furnish to the Commission supplementally upon request a copy of (1) any instrument with respect to long-term debt not filed herewith as to which the total amount of securities authorized thereunder does not exceed 10% of the total assets of the registrant and its subsidiaries on a consolidated basis and (2) any omitted schedules to any material agreements set forth above.

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ITEM 16. Form 10-K Summary

None.

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.				
Date: December 10, 2020	HP INC.			
	Ву:	/s/ MARIE MYERS		
		Marie Myers Acting Chief Financial Officer		
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POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Marie Myers, Kim Rivera and Ruairidh Ross, or any of them, his or her attorneys-in-fact, for such person in any and all capacities, to sign any amendments to this report and to file the same, with exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that either of said attorneys-in-fact, or substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Signature	Title(s)	Date
	President and Chief Executive Officer and Director	
/s/ ENRIQUE LORES	(Principal Executive Officer)	December 10, 2020
Enrique Lores		
/s/ MARIE MYERS	Acting Chief Financial Officer (Principal Financial Officer)	December 10, 2020
Marie Myers		
/s/ CLAIRE BRAMLEY	Global Controller (Principal Accounting Officer)	December 10, 2020
Claire Bramley		
/s/ AIDA ALVAREZ	Director	December 10, 2020
Aida Alvarez		
/s/ SHUMEET BANERJI	Director	December 10, 2020
Shumeet Banerji		
/s/ ROBERT R. BENNETT	Director	December 10, 2020
Robert R. Bennett		
/s/ CHARLES V. BERGH	Director	December 10, 2020
Charles V. Bergh		
/s/ STACY BROWN-PHILPOT	Director	December 10, 2020
Stacy Brown-Philpot		
/s/ STEPHANIE BURNS	Director	December 10, 2020
Stephanie Burns		
/s/ MARY ANNE CITRINO	Director	December 10, 2020
Mary Anne Citrino		
/s/ RICHARD L. CLEMMER	Director	December 10, 2020
Richard L. Clemmer		
/s/ YOKY MATSUOKA	Director	December 10, 2020
Yoky Matsuoka		
/s/ STACEY MOBLEY	Director	December 10, 2020
Stacey Mobley		
/s/ SUBRA SURESH	Director	December 10, 2020
Subra Suresh		

AMENDMENT NUMBER TWO

HP INC.

Second Amended and Restated HP Inc. 2004 Stock Incentive Plan

The Second Amended and Restated HP Inc. 2004 Stock Incentive Plan (the "Plan") is hereby amended as follows, effective as of September 21, 2020:

1. Section 2 is hereby amended to include the following definition:

""Cause" shall mean the occurrence of any of the following: (i) the Participant's conviction of, or plea of guilty or nolo contendere to, a felony under federal law or the law of the state in which such action occurred; (ii) the Participant's willful and deliberate failure in the performance of his or her duties in any material respect; (iii) the Participant's willful misconduct that results in material harm to the Company; or (iv) the Participant's material violation of the Company's ethics and compliance program, code of conduct or other material policy of the Company."

2. Section 13(b)(i) is hereby restated in its entirety to read as follows:

"Compensation Alternatives. Within such period as may be designated by the Committee (i) prior to the beginning of the Director Plan Year, or (ii) if the Non-Employee Director elects to defer Director RSU Awards (as defined below), in the calendar year preceding the first day of the Director Plan Year, each Non-Employee Director may elect to receive his Annual Equity Retainer in the form of restricted stock units (a "Director RSU Award") or in the form of an option to purchase shares of Common Stock (a "Director Option Award"). If any Non-Employee Director fails to make such an election, then he shall be deemed to have elected a Director RSU Award for the value of his Annual Equity Retainer. Each Non-Employee Director may also elect, in the calendar year preceding the first day of the Director Plan Year, to receive any cash portion of his Non-Employee Director compensation in the form of a Director RSU Award. Any such election, or any modiffication or termination of such an election, shall be filed with HP on a form prescribed by HP for this purpose. If a Non-Employee Director does not elect to defer his or her Director RSU Awards and does not select his or her means of payment within the prescribed time, then such Non-Employee Director shall not be permitted to defer Director RSU Awards for the applicable Director Plan Year. Notwithstanding anything herein to the contrary, any individual who first becomes a Non-Employee Director after the start of a calendar year and has not otherwise been eligible to participate in a non-qualified deferred compensation plan maintained by the Company, may elect within 30 days of becoming a Non-Employee Director to defer his Annual Equity Retainer (to the extent such Non-Employee Director also elects to receive such Annual Equity Retainer in the form of Director RSU Awards), and any cash portion of his Non-Employee Director subsequent to the date the deferral election becomes effective. Such election shall be irrevocable and effective no later than the end of such 30-day period

3. Section 15(c) is hereby restated in its entirety to read as follows:

"Change in Control. In the event there is a Change in Control of the Company, as determined by the Board or a Committee, Awards under this Plan shall be treated as set forth in this Section 15(c)

- i. Change in Control in which Awards are Assumed: Unless otherwise provided by the Board or a Committee in an Award Agreement or any other agreement with a Participant, in connection with a Change in Control in which Awards are being assumed, continued, or substituted for, the following provisions shall apply to such Award, to the extent assumed, continued, or substituted for:
 - A. The Plan and the Awards theretofore granted under the Plan shall continue in the manner and under the terms so provided in the event of a Change in Control to the extent that provision is made in writing in connection with such Change in Control for the assumption or continuation of such Awards, or for the substitution for such Awards of new cash awards, stock units, stock appreciation rights, stock options, and other equity-based awards relating to the stock of a successor entity, or a parent or subsidiary thereof, with

appropriate adjustments as to the number of shares (disregarding any consideration that is not common stock) and option and appreciation rights exercise prices; and

- B. In the event a Participant's Awards are assumed, continued, or substituted upon the consummation of any Change in Control and his or her employment is terminated without Cause within twenty-four (24) months following the consummation of such Change in Control, then such Awards shall be treated as follows subject to the Participant's execution and non-revocation of a release of claims in a form determined by the Board or a Committee prior to the Change in Control:
 - (i) each outstanding Award that is not subject to the achievement of performance criteria shall become fully vested and, if applicable, exercisable, and each outstanding Award that is subject to the achievement of performance criteria shall be deemed earned as follows: (x) the number of Shares earned with respect to an Award for which the performance period has ended on or prior to the date of the Participant's termination of employment shall be determined by the Board or a Committee based on the actual achievement of the applicable performance metrics with respect to such performance period and (y) the number of Shares earned with respect to an Award for which the performance period has not ended on or prior to the date of the Participant's termination of employment shall be determined assuming achievement of the applicable performance metrics at 100% of target levels.
 - (ii) each outstanding Award described in the immediately preceding clause (i) shall vest and settle or become exercisable as follows: (x) each Stock Appreciation Right and Stock Option shall become vested and exercisable on the seventy-fifth (75th) calendar day following the Participant's termination of employment and shall remain vested and exercisable until the earlier of twelve (12) months following the Participant's termination of employment or the expiration of the term of such Stock Appreciation Right or Option and (y) each Cash Award and Stock Award shall vest and settle on the seventy-fifth (75th) calendar day following the Participant's termination of employment (or such other date as may be required undSection 409A of the Code).
- ii. Change in Control in which Awards are not Assumed. Unless otherwise provided by the Board or a Committee in an Award Agreement or any other agreement with a Participant, in connection with a Change in Control in which Awards are not being assumed, continued, or substituted for, the following provisions shall apply to such Award, to the extent not assumed, continued, or substituted for:
 - A. each outstanding Award that is not subject to the achievement of performance criteria shall become fully vested, and each outstanding Award that is subject to the achievement of performance criteria shall be deemed earned as follows: (x) the number of Shares earned with respect to an Award for which the performance period has ended on or prior to the date of the Change in Control shall be determined by the Board or a Committee based on the actual achievement of the applicable performance metrics with respect to such performance period and (y) the number of Shares earned with respect to an Award for which the performance period has not ended on or prior to the date of the Change in Control shall be determined assuming achievement of the applicable performance metrics at 100% of target levels; and
 - B. with respect to each outstanding Award described in the immediately preceding (A), the Board or a Committee shall provide for the cancellation of such Award in exchange for either an amount of cash or other property with a value equal to the amount that could have been obtained upon the exercise or settlement of the vested portion of such Award or realization of the Participant's rights under the vested portion of such Award, as applicable; *provided* that, if the amount that could have been obtained upon the exercise or settlement of the vested portion of such Award or realization of the Participant's rights, in any case, is equal to or less than zero, then the Award may be terminated without payment; *provided*, that any amount payable to the Participant shall be paid within thirty (30) calendar days following the Change in Control (or such other date as may be required under Section 409A of the Code).

In all other respects the Plan, as amended herein, is hereby ratified and confirmed.

[signature page follows]

IN WITNESS WHEREOF, HP Inc. has caused this instrument to be signed by its duly authorized officer as of this 27th day of September, 2020.

HP INC.

By: /s/ Tracy Keogh

Its: Chief Human Resources Officer

AMENDMENT NUMBER TWO

HP INC. 2005 EXECUTIVE DEFERRED COMPENSATION PLAN

The HP Inc. 2005 Executive Deferred Compensation Plan (the "Plan") is hereby amended as follows, effective as of September 21, 2020:

1. The second paragraph of Section 5.4 of the Plan is hereby amended in its entirety to read as follows:

"Notwithstanding Section 3.1, if the Plan Committee approves a distribution under this Section, or a hardship distribution under the HP Inc. 401(k) Plan, the Participant's deferrals under the Plan shall cease for the remainder of that calendar year. The Participant will be allowed to enroll if eligible at the beginning of the next enrollment period for the following calendar year."

In all other respects the Plan, as amended herein, is hereby ratified and confirmed.

IN WITNESS WHEREOF, HP Inc. has caused this instrument to be signed by its duly authorized officer as of this 27th day of September, 2020.

HP INC.

By: /s/ Tracy Keogh

Its: Chief Human Resources Officer

Subsidiaries of HP Inc.

The registrant's subsidiaries and affiliates as of October 31, 2020 are included in the list below.

ANGOLA

—Hewlett-Packard Angola, Lda.
ARGENTINA
—HP Inc Argentina S.R.L.
AUSTRALIA
—HP PPS Australia Pty Ltd
—Tower Software Engineering Pty Ltd
AUSTRIA
—HP Austria GmbH
BELGIUM
—Hewlett-Packard Industrial Printing Solutions Europe BVBA
—HP Belgium BVBA
BERMUDA
—HP Onyx Holding L.P.
BRAZIL
—HP Brasil Indústria e Comércio de Equipamentos Eletrônicos Ltda
—HP Brasil Indústria e Comércio de Equipamentos Eletrônicos LtdaBranch 01 (Tamboré)
—HP Brasil Indústria e Comércio de Equipamentos Eletrônicos LtdaBranch 2 (Sorocaba)
—HP Brasil Indústria e Comércio de Equipamentos Eletrônicos LtdaBranch 3 (Porto Alegre)
—Simpress Comércio, Locacao e Servicos Ltda
BRITISH VIRGIN ISLANDS
—AOME Holdings Ltd.
BULGARIA

—HP Inc Bulgaria EOOD
CANADA
—HP Canada Co. HP Canada Cie
CAYMAN ISLANDS
—Compaq Cayman Holdings Company
—Compaq Cayman Holdings General Partnership II
—Hewlett-Packard West Indies Limited
CHILE
—HP Inc Chile Comercial Limitada
CHINA
—China HP Co., Ltd. Hangzhou Branch
—China HP Co., Ltd.
—China HP Co., Ltd. Chengdu Branch
—China HP Co., Ltd. Guangzhou Branch
—China HP Co., Ltd., Jiangan Branch
—China HP Co., Ltd. Nanjing Branch
—China HP Co., Ltd. Shanghai Branch
—HP (Chongqing) Co,. Ltd.
—HP (Chongqing) Manufacturing, Export, Procurement and Settlement Co., Ltd.
—HP Information Technology R&D (Shanghai) Co. Ltd.
—HP Printing (Shandong) Co., Ltd.
—HP Technology (Shanghai) Co., Ltd.
—HP Trading (Shanghai) Co. Ltd.
—HP Trading (Shanghai) Co., Ltd. Dalian Branch
—HP Trading (Shanghai) Co., Ltd. Zhangjiang Branch
—HP Trading Kunshan Co., Ltd.
COLOMBIA

—HP Colombia SAS
COSTA RICA
—HP Inc Costa Rica Limitada
—HP PPS Costa Rica Limitada
CROATIA
—HP Computing and Printing d.o.o. (Zagreb)
CZECH REPUBLIC
—HP Inc Czech Republic s.r.o.
DENMARK
—HP Inc Danmark ApS
FINLAND
—HP Finland Oy
FRANCE
—Apogee France Holdings SAS
—Apogee France SAS
—HP France Holding SAS
—HP France SAS
GERMANY
—Apogee Germany Holding UG
—BAS - Bürosysteme GmbH
—HP Deutschland GmbH
—HP Deutschland Holding GmbH
—Kopiervertrieb Rhein-Ruhr GmbH
GREECE
—HP Printing and Personal Systems Hellas EPE
HONG KONG
—HP Inc AP Hong Kong Limited

—HP Inc Hong Kong Limited
HUNGARY
—HP Inc Magyarország Kft.
INDIA
—HP Computing and Printing Systems India Private Limited
—HP India Sales Private Limited
—HP PPS India Operations Private Limited
—HP PPS Services India Private Limited
INDONESIA
—PT Hewlett-Packard Indonesia
IRELAND
—Apogee Corporation (Ireland) Limited
—Hewlett-Packard Ireland (Holdings) Ltd.
—Hewlett-Packard Ireland 1, Limited
—HP Print Services Ireland Limited
—HP Production Company Limited
—HP Technology Ireland Limited
ISRAEL
—HP Indigo Ltd
—HP Israel Ltd
—HP Scitex Ltd
—HP Technology Israel Ltd
ITALY
—HP Italy S.r.l.
JAPAN
—Hewlett-Packard G.K.
—HP Japan Inc.

—Nihon HP Nin-I Kumiai
JERSEY
—Albacore Holdings Jersey Ltd.
—Apogee Corporation (Jersey) Limited
—Manzana Holdings Limited KAZAKHSTAN
—HP Global Trading B.V., Kazakhstan Branch
KENYA
—HP Kenya Limited
KOREA, REPUBLIC OF
—HP Korea Inc.
—HP Printing Korea. Co., Ltd.
LUXEMBOURG
—HP Luxembourg S.C.A.
MALAYSIA
—HP Malaysia Manufacturing Sdn. Bhd.
—HP PPS Malaysia Sdn. Bhd.
—HP PPS Sales Sdn. Bhd.
MEXICO
—Computing and Printing Global Services Mexico, S. de R.L. de C.V.
—Computing and Printing Mexico, S. de R.L. de C.V.
—Computing and Printing Professional Services Mexico, S. de R.L. de C.V.
MOROCCO
—HP PPS Maroc
NETHERLANDS
—Alpha Holding One B.V.
—Alpha Holding Two B.V.

—Anatolus Holding B.V.
—Arnon Holding B.V.
—Bamberga Holding B.V.
—Eunomia Holding B.V.
—Flame Holding B.V.
—Hewlett-Packard (Japan NK) Holdings C.V.
—Hewlett-Packard Copenhagen B.V.
—Hewlett-Packard Global Holdings B.V.
—Hewlett-Packard Global Investments B.V.
—Hewlett-Packard Japan Holding B.V.
—Hewlett-Packard Lisbon B.V.
—Hewlett-Packard Mercator B.V.
—Hewlett-Packard Munich B.V.
—Hewlett-Packard Sunnyvale B.V.
—HP China Holding B.V.
—HP Europe B.V.
—HP Global Trading B.V.
—HP Indigo B.V.
—HP International Trading B.V.
—HP Nederland B.V.
—HP Print Technology B.V.
—HP Products C.V.
—HP Technology Nederland B.V.
—Iseo Holding B.V.
—Kale Holding B.V.
—Lyra Holding B.V.
—Perseus Holding B.V.

—Regor Holding B.V.
NEW ZEALAND
—HP New Zealand
NIGERIA
—HP Computing and Printing Nigeria Ltd.
NORWAY
—HP Norge AS
PAKISTAN
—HP Pakistan (Private) Limited
PANAMA
—HP Panama Sales and Distribution, S. de R.L
PERU
—HP Inc. Peru S.R.L.
PHILIPPINES
—HP PPS Philippines Inc.
POLAND
—HP Inc Polska sp. z o.o.
PORTUGAL
—HPCP-Computing and Printing Portugal, Unipessoal, Lda.
PUERTO RICO
—HP International Sàrl (Puerto Rico Branch) LLC
—HP International Trading B.V. (Puerto Rico Branch) LLC
—HP Puerto Rico LLC
—Kale Holding B.V. (Puerto Rico Branch) LLC
QATAR
—Hewlett-Packard KSA Ltd., Qatar Branch
ROMANIA

—HP Inc Romania SRL
RUSSIAN FEDERATION
—Hewlett-Packard A.O.
—Limited Liability Company HP Inc
—OOO "Hewlett-Packard RUS"
SAUDI ARABIA
—HP KSA Ltd.
—Hewlett-Packard Services Saudi Arabia Company
SERBIA
—HP Computing and Printing d.o.o. (Beograd)
SINGAPORE
—HP International Pte. Ltd.
—HP PPS Asia Pacific Pte. Ltd.
—HP PPS Singapore (Sales) Pte. Ltd.
—HP R&D Singapore Pte. Ltd.
—HP Singapore (Private) Limited
SLOVAKIA
—HP Inc Slovakia, s.r.o.
SOUTH AFRICA
—HP South Africa Proprietary Limited
—HP South Africa Trust
SPAIN
—HP Printing and Computing Solutions, S.L.U.
—HP Solutions Creation and Development Services S.L.U.
STATE OF LIBYA
—Hewlett-Packard MENA FZ-LLC Libya Branch
SWEDEN

—HP PPS Sverige AB
SWITZERLAND
—HP Europe BV, Amsterdam, Meyrin Branch
—HP International Sàrl
—HP Schweiz GmbH
TAIWAN
—HP International Pte. Ltd., Taiwan Branch
—HP Taiwan Information Technology Ltd.
THAILAND
—HP Inc (Thailand) Ltd.
TUNISIA
—HP Inc Tunisie SARL
TURKEY
—HP Bilgisayar ve Baski Teknolojileri Limited Şirketi
—HP Bilgisayar ve Baski Teknolojileri Limited Şirketi Ankara Şubesi
UNITED ARAB EMIRATES
—HP Computing and Printing Middle East FZ-LLC
—HP Europe B.V., Abu Dhabi Branch
—HP Europe B.V., Regional Dubai Branch
—HP Inc Gulf
UNITED KINGDOM
—Apogee Corporation Limited
—Apogee Edisclosure Limited
—Apogee Europe Limited
—Apogee Group Limited
—Apogee Rentals Limited
—Balreed Digitec (Group) Limited

—Balreed Digitec (North) Limited
—Balreed Digitec (SE) Limited
—Balreed Digitec (UK) Limited
—Bromium UK Limited
—City Docs Limited
—City Docs Solutions Limited
—Direct Business Systems (Scotland) Limited
—Digipro Limited
—F. Smith & Co (Office Equipment) Limited
—HP Inc UK Holding Limited
—HP Inc UK Limited
—HP UK Development Limited
—Knox Wales Ltd
—Manzana Bidco Limited
—Mask Documents Limited
—Office Perfection Limited
—OneFlow Systems Limited
—Perigee Holdco UK Limited
—Perigee Midco UK Limited
—Phoenix Office Supplies Limited
—Printware Limited
—The Danwood Group Limited
—Top4Office Limited
—Willow Graphics Limited
—Xact Document Solutions Limited
—Xera-Logic Group Limited
UNITED STATES

- -Compaq Information Technologies, LLC
- —Hewlett-Packard Company Archives LLC
- —Hewlett Packard Development Company, L.P.
- -Hewlett-Packard Enterprises, LLC
- —Hewlett-Packard Products CV 1, LLC
- —Hewlett-Packard Products CV 2, LLC
- —Hewlett-Packard World Trade, LLC
- —HP Health Solutions Inc.
- —HP Hewlett Packard Group LLC
- —HP Jade Holding LLC
- —HP R&D Holding LLC
- —HP US Digital LLC
- —HPI Bermuda Holdings LLC
- —HPI Brazil Holdings LLC
- —HPI Federal LLC
- —HPI J1 Holdings LLC
- —HPI Luxembourg LLC
- -HPQ Holdings, LLC
- -Indigo America, Inc.
- —PrinterOn America Corporation
- —Tall Tree Insurance Company

VIET NAM

- -HP Technology Vietnam Company Ltd
- —HP Technology Vietnam Company Ltd. (Hanoi Branch)

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the following Registration Statements:

- Registration Statement (Form S-8 No. 333-124281) pertaining to the Executive Deferred Compensation Plan,
- Registration Statement (Form S-8 No. 333-114253) pertaining to the 2004 Stock Incentive Plan,
- Registration Statement (Form S-8 No. 333-35836) pertaining to the 2000 Stock Plan,
- Registration Statement (Form S-8 No. 333-124282) pertaining to the 2005 Executive Deferred Compensation Plan,
- Registration Statement (Form S-8 No. 002-92331) pertaining to the Hewlett-Packard Company 401(k) Plan,
- Registration Statement (Form S-8 No. 033-31496) pertaining to the Employee Stock Purchase Plan and Service Anniversary Stock Plan, f
- Registration Statement (Form S-8 No. 333-142175) pertaining to the PolyServe, Inc. 2000 Stock Plan, Registration Statement (Form S-8 No. 333-153302) pertaining to the Amended and Restated 2003 Incentive Plan of Electronic Data Systems Corporation and the 1997 Nonqualified Stock Option Plan of Electronic Data Systems Corporation,
- Registration Statement (Form S-8 No. 333-166270) pertaining to the Amended and Restated Hewlett-Packard Company 2004 Stock Incentive Plan,
- Registration Statement (Form S-8 No. 333-168101) pertaining to the Palm, Inc. 2009 Stock Plan, as amended, and the Amended and Restated Palm, Inc. j. 1999 Stock Plan,
- Registration Statement (Form S-8 No. 333-169854) pertaining to the Amended and Restated 3PAR Inc. 2007 Equity Incentive Plan, the 3PARDATA, Inc. 2000 Management Stock Option Plan, as amended, and the 3PARDATA, Inc. 1999 Stock Plan, as amended,
- Registration Statement (Form S-8 No. 333-173784) pertaining to the Hewlett-Packard Company 2011 Employee Stock Purchase Plan,
- Registration Statement (Form S-8 No. 333-188108) pertaining to the Second Amended and Restated Hewlett-Packard Company 2004 Stock Incentive Plan, and
- Registration Statement (Form S-3ASR No. 333-235474) pertaining to \$5,000,000,000 of debt securities, common stock, preferred stock, depositary shares and warrants;

of HP Inc. of our reports dated December 10, 2020, with respect to the consolidated financial statements of HP Inc. and subsidiaries, and the effectiveness of internal control over financial reporting of HP Inc. and subsidiaries included in this Annual Report (Form 10-K) of HP Inc. for the year ended October 31, 2020.

/s/ ERNST & YOUNG LLP

San Jose, California December 10, 2020

CERTIFICATION

- I, Enrique Lores, certify that:
- 1. I have reviewed this Annual Report on Form 10-K of HP Inc.;
- 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):
 - 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.

Date: December 10, 2020

/s/ Enrique Lores

Enrique Lores

President and Chief Executive Officer
(Principal Executive Officer)

CERTIFICATION

- I, Marie Myers, certify that:
- 1. I have reviewed this Annual Report on Form 10-K of HP Inc.;
- 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):
 - 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.

Date: December 10, 2020

/s/ Marie Myers

Marie Myers

Acting Chief Financial Officer

(Principal Financial Officer)

CERTIFICATION OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Enrique Lores, certify, pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Annual Report on Form 10-K of HP Inc. for the fiscal year ended October 31, 2020 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Annual Report on Form 10-K fairly presents, in all material respects, the financial condition and results of operations of HP Inc.

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/s/ ENRIQUE LORES

Enrique Lores
President and Chief Executive Officer
(Principal Executive Officer)

I, Marie Myers, certify, pursuant to 18 U.S.C. 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Annual Report on Form 10-K of HP Inc. for the fiscal year ended October 31, 2020 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Annual Report on Form 10-K fairly presents, in all material respects, the financial condition and results of operations of HP Inc.

December 10, 2020

/s/ MARIE MYERS

Marie Myers Acting Chief Financial Officer (Principal Financial Officer)

A signed original of this written statement required by Section 906 has been provided to HP Inc. and will be retained by HP Inc. and furnished to the Securities and Exchange Commission or its staff upon request.