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TD AMERITRADE HOLDING CORP

Form 10-Q

April 29, 2019

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

FORM 10-Q

(Mark One)

Quarterly report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

for the quarterly period ended **March 31, 2019**

OR

Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

for the transition period from to
Commission file number: **1-35509**

TD Ameritrade Holding Corporation

(Exact name of registrant as specified in its charter)

Delaware **82-0543156**
(State or other jurisdiction of (I.R.S. Employer
incorporation or organization) Identification No.)

200 South 108th Avenue, Omaha, Nebraska, 68154
(Address of principal executive offices) (Zip Code)

(800) 669-3900
(Registrant's telephone number, including area code)

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

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No "

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

Large accelerated filer Accelerated filer "

Non-accelerated filer " Smaller reporting company "

Emerging growth company "

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

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes No

As of April 22, 2019, there were 553,304,437 outstanding shares of the registrant's common stock.

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PART I – FINANCIAL INFORMATION

Item 1. – Financial Statements

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and the Board of Directors of TD Ameritrade Holding Corporation

Results of Review of Interim Financial Statements

We have reviewed the accompanying condensed consolidated balance sheet of TD Ameritrade Holding Corporation and subsidiaries (the Company) as of March 31, 2019, the related condensed consolidated statements of income, comprehensive income and stockholders' equity for the three-month and six-month periods ended March 31, 2019 and 2018, the condensed consolidated statements of cash flows for the six-month periods ended March 31, 2019 and 2018, and the related notes (collectively referred to as the "condensed consolidated interim financial statements"). Based on our reviews, we are not aware of any material modifications that should be made to the condensed consolidated interim financial statements for them to be in conformity with U.S. generally accepted accounting principles.

We have previously audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheet of the Company as of September 30, 2018, the related consolidated statements of income, comprehensive income, stockholders' equity and cash flows for the year then ended, and the related notes (not presented herein); and in our report dated November 16, 2018, we expressed an unqualified audit opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying condensed consolidated balance sheet as of September 30, 2018, is fairly stated, in all material respects, in relation to the consolidated balance sheet from which it has been derived.

Basis for Review Results

These financial statements are the responsibility of the Company's management. 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 SEC and the PCAOB. We conducted our review in accordance with the standards of the PCAOB. A review of interim financial statements consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with the standards of the PCAOB, the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

/s/ ERNST & YOUNG LLP

New York, New York

April 29, 2019

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

	March 31, 2019	September 30, 2018
	(In millions)	
ASSETS		
Cash and cash equivalents	\$2,674	\$ 2,690
Cash and investments segregated and on deposit for regulatory purposes	5,580	3,185
Receivable from brokers, dealers and clearing organizations	1,626	1,374
Receivable from clients, net	20,778	22,616
Receivable from affiliates	133	151
Other receivables, net	253	304
Securities owned, at fair value	159	156
Investments available-for-sale, at fair value (including \$98 million of securities pledged as collateral for repurchase agreements at September 30, 2018)	894	484
Property and equipment at cost, net	812	792
Goodwill	4,227	4,227
Acquired intangible assets, net	1,267	1,329
Other assets	276	212
Total assets	\$38,679	\$ 37,520
LIABILITIES AND STOCKHOLDERS' EQUITY		
Liabilities:		
Payable to brokers, dealers and clearing organizations	\$2,473	\$ 2,980
Payable to clients	23,240	22,884
Accounts payable and other liabilities	904	896
Payable to affiliates	4	45
Other borrowings	—	96
Long-term debt	3,520	2,439
Deferred income taxes	215	177
Total liabilities	30,356	29,517
Stockholders' equity:		
Preferred stock, \$0.01 par value; 100 million shares authorized, none issued	—	—
Common stock, \$0.01 par value; one billion shares authorized; 670 million shares issued; March 31, 2019 – 554 million shares outstanding; September 30, 2018 – 563 million shares outstanding	7	7
Additional paid-in capital	3,345	3,379
Retained earnings	7,805	7,011
Treasury stock, common, at cost: March 31, 2019 – 116 million shares; September 30, 2018 – 107 million shares	(2,832)	(2,371)
Deferred compensation	4	4
Accumulated other comprehensive loss	(6)	(27)
Total stockholders' equity	8,323	8,003
Total liabilities and stockholders' equity	\$38,679	\$ 37,520
See notes to condensed consolidated financial statements.		

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF INCOME
(Unaudited)

	Three Months Ended March 31,		Six Months Ended March 31,	
	2019	2018	2019	2018
	(In millions, except per share amounts)			
Revenues:				
Transaction-based revenues:				
Commissions and transaction fees	\$487	\$556	\$1,024	\$996
Asset-based revenues:				
Bank deposit account fees	430	381	858	762
Net interest revenue	362	308	737	585
Investment product fees	137	141	280	274
Total asset-based revenues	929	830	1,875	1,621
Other revenues	35	29	68	55
Net revenues	1,451	1,415	2,967	2,672
Operating expenses:				
Employee compensation and benefits	340	461	657	875
Clearing and execution costs	53	56	102	103
Communications	38	46	80	99
Occupancy and equipment costs	65	79	133	160
Depreciation and amortization	36	35	71	69
Amortization of acquired intangible assets	31	37	62	75
Professional services	74	86	147	160
Advertising	74	90	132	154
Other	35	129	81	245
Total operating expenses	746	1,019	1,465	1,940
Operating income	705	396	1,502	732
Other expense (income):				
Interest on borrowings	37	24	70	44
Loss on sale of investments	—	—	—	11
Other	—	—	(14)	2
Total other expense (income)	37	24	56	57
Pre-tax income	668	372	1,446	675
Provision for income taxes	169	101	343	107
Net income	\$499	\$271	\$1,103	\$568
Earnings per share — basic	\$0.89	\$0.48	\$1.97	\$1.00
Earnings per share — diluted	\$0.89	\$0.48	\$1.96	\$1.00
Weighted average shares outstanding — basic	560	567	561	567
Weighted average shares outstanding — diluted	562	570	563	569
Dividends declared per share	\$0.30	\$0.21	\$0.60	\$0.42

See notes to condensed consolidated financial statements.

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(Unaudited)

	Three Months Ended March 31,		Six Months Ended March 31,	
	2019	2018	2019	2018
	(In millions)			
Net income	\$499	\$271	\$1,103	\$568
Other comprehensive income (loss), before tax:				
Investments available-for-sale:				
Unrealized gain (loss)	9	(2)	25	(6)
Reclassification adjustment for realized loss included in net income	—	—	—	11
Net change in investments available-for-sale	9	(2)	25	5
Cash flow hedging instruments:				
Reclassification adjustment for portion of realized loss amortized to net income	1	1	2	2
Total other comprehensive income (loss), before tax	10	(1)	27	7
Income tax effect	(2)	—	(6)	(3)
Total other comprehensive income (loss), net of tax	8	(1)	21	4
Comprehensive income	\$507	\$270	\$1,124	\$572
See notes to condensed consolidated financial statements.				

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
(Unaudited)

	Three Months Ended March 31, 2019							
	Total Common Shares Outstanding	Total Stockholders' Equity	Common Stock	Additional Paid-In Capital	Retained Earnings	Treasury Stock	Deferred Compensation	Accumulated Other Comprehensive Loss
	(In Millions)							
Balance, December 31, 2018	561	\$ 8,357	\$ 7	\$ 3,400	\$ 7,475	\$(2,515)	\$ 4	\$ (14)
Net income	—	499	—	—	499	—	—	—
Other comprehensive income, net of tax	—	8	—	—	—	—	—	8
Payment of cash dividends	—	(169)	—	—	(169)	—	—	—
Repurchases of common stock	(7)	(317)	—	—	—	(317)	—	—
Future treasury stock purchases under accelerated stock repurchase agreement	—	(62)	—	(62)	—	—	—	—
Repurchases of common stock for income tax withholding on stock-based compensation	—	(4)	—	—	—	(4)	—	—
Common stock issued for stock-based compensation, including tax effects	—	—	—	(4)	—	4	—	—
Stock-based compensation	—	11	—	11	—	—	—	—
Balance, March 31, 2019	554	\$ 8,323	\$ 7	\$ 3,345	\$ 7,805	\$(2,832)	\$ 4	\$ (6)
	Three Months Ended March 31, 2018							
	Total Common Shares Outstanding	Total Stockholders' Equity	Common Stock	Additional Paid-In Capital	Retained Earnings	Treasury Stock	Deferred Compensation	Accumulated Other Comprehensive Loss
	(In Millions)							
Balance, December 31, 2017	567	\$ 7,433	\$ 7	\$ 3,375	\$ 6,189	\$(2,119)	\$ 1	\$ (20)
Net income	—	271	—	—	271	—	—	—
Other comprehensive loss, net of tax	—	(1)	—	—	—	—	—	(1)
Payment of cash dividends	—	(119)	—	—	(119)	—	—	—
Repurchases of common stock for income tax withholding on stock-based compensation	—	(5)	—	—	—	(5)	—	—
Common stock issued for stock-based compensation, including tax effects	—	—	—	(3)	—	3	—	—
Deferred compensation	—	—	—	(1)	—	1	—	—
Stock-based compensation	—	16	—	16	—	—	—	—
Balance, March 31, 2018	567	\$ 7,595	\$ 7	\$ 3,387	\$ 6,341	\$(2,120)	\$ 1	\$ (21)

See notes to condensed consolidated financial statements.

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY – (Continued)
(Unaudited)

	Six Months Ended March 31, 2019							
	Total Common Shares Outstanding	Total Stockholders' Equity	Common Stock	Additional Paid-In Capital	Retained Earnings	Treasury Stock	Deferred Compensation	Accumulated Other Comprehensive Loss
	(In Millions)							
Balance, September 30, 2018	563	\$ 8,003	\$ 7	\$ 3,379	\$ 7,011	\$(2,371)	\$ 4	\$ (27)
Net income	—	1,103	—	—	1,103	—	—	—
Other comprehensive income, net of tax	—	21	—	—	—	—	—	21
Payment of cash dividends	—	(337)	—	—	(337)	—	—	—
Repurchases of common stock	(10)	(431)	—	31	—	(462)	—	—
Future treasury stock purchases under accelerated stock repurchase agreement	—	(74)	—	(74)	—	—	—	—
Repurchases of common stock for income tax withholding on stock-based compensation	—	(12)	—	—	—	(12)	—	—
Common stock issued for stock-based compensation, including tax effects	1	—	—	(13)	—	13	—	—
Stock-based compensation	—	22	—	22	—	—	—	—
Adoption of Accounting Standards Update 2014-09 (Note 15)	—	28	—	—	28	—	—	—
Balance, March 31, 2019	554	\$ 8,323	\$ 7	\$ 3,345	\$ 7,805	\$(2,832)	\$ 4	\$ (6)
	Six Months Ended March 31, 2018							
	Total Common Shares Outstanding	Total Stockholders' Equity	Common Stock	Additional Paid-In Capital	Retained Earnings	Treasury Stock	Deferred Compensation	Accumulated Other Comprehensive Loss
	(In Millions)							
Balance, September 30, 2017	567	\$ 7,247	\$ 7	\$ 3,369	\$ 6,011	\$(2,116)	\$ 1	\$ (25)
Net income	—	568	—	—	568	—	—	—
Other comprehensive income, net of tax	—	4	—	—	—	—	—	4
Payment of cash dividends	—	(238)	—	—	(238)	—	—	—
Repurchases of common stock for income tax withholding on stock-based compensation	—	(13)	—	—	—	(13)	—	—
Common stock issued for stock-based compensation, including tax effects	—	—	—	(9)	—	9	—	—
Deferred compensation	—	1	—	1	—	—	—	—
Stock-based compensation	—	26	—	26	—	—	—	—
Balance, March 31, 2018	567	\$ 7,595	\$ 7	\$ 3,387	\$ 6,341	\$(2,120)	\$ 1	\$ (21)

See notes to condensed consolidated financial statements.

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TD AMERITRADE HOLDING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

	Six Months Ended	
	March 31,	
	2019	2018
	(In millions)	
Cash flows from operating activities:		
Net income	\$ 1,103	\$ 568
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		
Depreciation and amortization	71	69
Amortization of acquired intangible assets	62	75
Deferred income taxes	27	(63)
Loss on sale of investments	—	11
Stock-based compensation	22	26
Provision for doubtful accounts on client and other receivables	7	65
Other, net	11	8
Changes in operating assets and liabilities:		
Investments segregated and on deposit for regulatory purposes	524	699
Receivable from brokers, dealers and clearing organizations	(252)	(61)
Receivable from clients, net	1,831	(3,739)
Receivable from/payable to affiliates, net	(23)	(104)
Other receivables, net	51	(107)
Securities owned, at fair value	(3)	90
Other assets	(27)	(21)
Payable to brokers, dealers and clearing organizations	(507)	589
Payable to clients	356	(1,259)
Accounts payable and other liabilities	82	8
Net cash provided by (used in) operating activities	3,335	(3,146)
Cash flows from investing activities:		
Purchase of property and equipment	(92)	(119)
Proceeds from sale of property and equipment	11	—
Cash paid in business acquisition	—	(4)
Purchase of investments available-for-sale, at fair value	(383)	(392)
Proceeds from sale of investments available-for-sale, at fair value	—	643
Purchase of other investments	(11)	—
Proceeds from sale of other investments	1	—
Proceeds from sale and maturity of short-term investments	—	65
Net cash provided by (used in) investing activities	(474)	193
Cash flows from financing activities:		
Proceeds from issuance of long-term debt	999	—
Payment of debt issuance costs	(7)	(2)
Net proceeds from secured uncommitted lines of credit	—	125
Net proceeds from (payments on) securities sold under agreements to repurchase	(96)	96
Proceeds from senior revolving credit facilities	600	2,050
Principal payments on senior revolving credit facilities	(600)	(2,050)
Payment of cash dividends	(337)	(238)
Purchase of treasury stock	(431)	—
Purchase of treasury stock for income tax withholding on stock-based compensation	(12)	(13)

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Payment for future treasury stock purchases under accelerated stock repurchase agreement	(74)	—
Other	—	2
Net cash provided by (used in) financing activities	42	(30)
Net increase (decrease) in cash, cash equivalents, restricted cash and restricted cash equivalents	2,903	(2,983)
Cash, cash equivalents, restricted cash and restricted cash equivalents at beginning of period	4,548	9,760
Cash, cash equivalents, restricted cash and restricted cash equivalents at end of period	\$7,451	\$6,777
Supplemental cash flow information:		
Interest paid	\$67	\$60
Income taxes paid	\$147	\$119

See notes to condensed consolidated financial statements.

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TD AMERITRADE HOLDING CORPORATION
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
For the Three Month and Six Month Periods Ended March 31, 2019 and 2018
(Unaudited)

1. Basis of Presentation

The condensed consolidated financial statements include the accounts of TD Ameritrade Holding Corporation (the "Parent") and its wholly-owned subsidiaries (collectively, the "Company"). Intercompany balances and transactions have been eliminated.

These financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission ("SEC") and, in the opinion of management, reflect all adjustments, which are all of a normal recurring nature, necessary to present fairly the financial position, results of operations and cash flows for the periods presented in conformity with U.S. generally accepted accounting principles ("GAAP"). These financial statements should be read in conjunction with the consolidated financial statements and notes thereto included in the Company's annual report filed on Form 10-K for the fiscal year ended September 30, 2018.

Recently Adopted Accounting Pronouncements

ASU 2016-18 — On October 1, 2018, the Company adopted Accounting Standards Update ("ASU") 2016-18, *Restricted Cash*, using a retrospective transition method to each period presented. This ASU amends the guidance in Accounting Standards Codification ("ASC") Topic 230, *Statement of Cash Flows*, and is intended to reduce the diversity in the classification and presentation of changes in restricted cash on the statement of cash flows. The amendments within this ASU require that the reconciliation of the beginning-of-period and end-of-period cash and cash equivalents amounts shown on the statement of cash flows include restricted cash and restricted cash equivalents. If restricted cash and restricted cash equivalents are presented separately from cash and cash equivalents on the balance sheet, an entity is required to reconcile the amounts presented on the statement of cash flows to the amounts on the balance sheet. An entity is also required to disclose information regarding the nature of the restrictions. Under the retrospective transition method, the Company recorded a decrease of \$2.9 billion in cash flows from operating activities for the six months ended March 31, 2018 to reflect the reclassification of changes in restricted cash and restricted cash equivalents amounts from the operating section to the beginning-of-period and end-of-period cash, cash equivalents, restricted cash and restricted cash equivalents amounts within the Condensed Consolidated Statements of Cash Flows. See Note 2 for additional information regarding restricted cash and restricted cash equivalents.

ASU 2016-16 — On October 1, 2018, the Company adopted ASU 2016-16, *Intra-Entity Transfers of Assets Other Than Inventory*. This ASU amends the guidance in ASC Topic 740, *Income Taxes*. The amendments in this ASU are intended to improve the accounting for the income tax consequences of intra-entity transfers of assets other than inventory by requiring an entity to recognize the income tax consequences when a transfer occurs, instead of when the asset is sold to a third party. The adoption of ASU 2016-16 did not have an impact on the Company's condensed consolidated financial statements.

ASU 2014-09 — On October 1, 2018, the Company adopted ASU 2014-09, *Revenue from Contracts with Customers*, using a modified retrospective approach, which requires the standard be applied only to the most current period presented, with the cumulative effect of initially applying the standard recognized at the date of initial application. The new revenue recognition standard is intended to clarify the principles of recognizing revenue from contracts with customers and to improve financial reporting by creating common revenue recognition guidance for U.S. GAAP and International Financial Reporting Standards. This ASU supersedes the revenue recognition requirements in ASC Topic 605, *Revenue Recognition*, and most industry-specific guidance. Entities are required to apply the following steps when recognizing revenue under ASU 2014-09: (1) identify the contract(s) with a customer; (2) identify the performance obligations in the contract; (3) determine the transaction price; (4) allocate the transaction price to the performance obligations in the contract; and (5) recognize revenue when (or as) the entity satisfies a performance obligation. This ASU also requires additional disclosures related to the nature, amount, timing and uncertainty of revenue and cash flows arising from customer contracts.

The adoption of this standard did not have a material impact on the Company's financial condition, results of operations or cash flows, as the satisfaction of performance obligations under the new guidance is materially

consistent with the Company's previous revenue recognition policies. However, the adoption of this standard did impact the Company by: (1) requiring the capitalization of sales commissions paid to employees for obtaining new contracts with clients and (2) accounting for revenues from certain contracts on a gross basis when the Company is acting as a principal, as compared to the prior guidance, which allowed for these contracts to be accounted for on a net basis. For additional information on the Company's adoption of the amended guidance, see Note 15, Revenue Recognition. The new guidance does not apply to revenue associated with financial instruments, such as interest revenue, which is accounted for under other GAAP. Accordingly, net interest revenue was not impacted.

Table of Contents**Recently Issued Accounting Pronouncements**

ASU 2017-12 — In August 2017, the Financial Accounting Standards Board ("FASB") issued ASU 2017-12, *Targeted Improvements to Accounting for Hedging Activities*, which will amend the guidance in ASC Topic 815, *Derivatives and Hedging*. The objective of this ASU is to improve the financial reporting of hedging relationships to better portray the economic results of an entity's risk management activities in its financial statements through changes to both the designation and measurement guidance for qualifying hedging relationships and to the presentation of hedge results. In addition, the amendments in this ASU make certain targeted improvements that are intended to simplify the application of the hedge accounting guidance in current GAAP. All transition requirements and elections under ASU 2017-12 should be applied to hedging relationships existing on the date of adoption, with the effect of the adoption reflected as of the beginning of the fiscal year of adoption. The amended presentation and disclosure guidance is required only prospectively. Subsequent to issuing ASU 2017-12, the FASB issued 2018-16, *Inclusion of the Secured Overnight Financing Rate (SOFR) Overnight Index Swap (OIS) Rate as a Benchmark Interest Rate for Hedge Accounting Purposes*, for the purpose of introducing an additional benchmark interest rate for hedge accounting purposes. SOFR is a volume-weighted median interest rate that is calculated daily based on overnight transactions from the prior day's trading activity in specified segments of the U.S. Treasury repo market. The subsequently issued ASU has the same effective date and transition requirements as ASU 2017-12. ASU 2017-12 will be effective for the Company's fiscal year beginning October 1, 2019, with early adoption permitted. The Company is currently assessing the impact this ASU will have on its condensed consolidated financial statements.

ASU 2016-13 — In June 2016, the FASB issued ASU 2016-13, *Measurement of Credit Losses on Financial Instruments*. The main objective of ASU 2016-13 is to provide financial statement users with more decision-useful information about an entity's expected credit losses on financial instruments and other commitments to extend credit at each reporting date. To achieve this objective, the amendments in this update replace the incurred loss impairment methodology in current GAAP with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to develop credit loss estimates. Subsequent to issuing ASU 2016-13, the FASB issued ASU 2018-19, *Codification Improvements to Topic 326, Financial Instruments - Credit Losses*, for the purpose of clarifying certain aspects of ASU 2016-13. ASU 2018-19 has the same effective date and transition requirements as ASU 2016-13. ASU 2016-13 will be effective for the Company's fiscal year beginning October 1, 2020, using a modified retrospective approach. Early adoption is permitted. The Company is currently assessing the impact this ASU will have on its condensed consolidated financial statements.

ASU 2016-02 — In February 2016, the FASB issued ASU 2016-02, *Leases*. This ASU will supersede the guidance in ASC Topic 840, *Leases*. Under ASU 2016-02, for lease arrangements exceeding a 12-month term, a lessee will be required to recognize in the balance sheet a liability to make lease payments (the lease liability) and a right-of-use asset representing its right to use the underlying asset for the lease term. ASU 2016-02 will retain a distinction between finance and operating leases; however, the principal difference between the previous guidance and the new guidance is that lease assets and liabilities arising from operating leases will be recognized in the balance sheet under the new guidance. The recognition, measurement and presentation of expenses and cash flows arising from a lease by a lessee will not significantly change from current GAAP. The accounting applied by a lessor will be largely unchanged from that applied under current GAAP. Subsequent to issuing ASU 2016-02, the FASB has issued additional standards for the purpose of clarifying certain aspects of ASU 2016-02 and providing an additional (optional) transition method with which to adopt the new leases standard. The subsequently issued ASUs have the same effective date and transition requirements as ASU 2016-02. Under ASU 2016-02, an entity may apply the amendments by using one of the following two methods: (1) recognize and measure leases at the beginning of the earliest period presented using a modified retrospective approach or (2) apply the standard at the adoption date and recognize a cumulative-effect adjustment to the opening balance of retained earnings in the period of adoption. ASU 2016-02 will be effective for the Company's fiscal year beginning October 1, 2019, with early adoption permitted. The Company has not selected a transition method and is currently assessing the impact this ASU will have on its condensed consolidated financial statements, but does not expect the standard to have a material impact on its net income. Upon adoption of ASU 2016-02, the Company expects to recognize right-of-use assets and lease liabilities for its operating leases, with initial measurement, as defined by the ASU, in its Condensed Consolidated Balance Sheets.

2. Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents

The Company's cash and cash equivalents is summarized in the following table (dollars in millions):

	March 31, September 30,	
	2019	2018
Broker-dealer subsidiaries	\$ 1,778	\$ 2,094
Corporate	640	342
Trust company subsidiary	132	124
Futures commission merchant and forex dealer member subsidiary	110	89
Investment advisory subsidiaries	14	41
Total cash and cash equivalents	\$ 2,674	\$ 2,690

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Capital requirements may limit the amount of cash available for dividend from the broker-dealer, futures commission merchant ("FCM")/forex dealer member ("FDM") and trust company subsidiaries to the Parent.

The following table provides a reconciliation of cash, cash equivalents, restricted cash and restricted cash equivalents reported within the Condensed Consolidated Balance Sheets to the total of the same amounts shown in the Condensed Consolidated Statements of Cash Flows (dollars in millions):

	March 31, 2019	September 30, 2018
Cash and cash equivalents	\$ 2,674	\$ 2,690
Restricted cash and restricted cash equivalents included in cash and investments segregated and on deposit for regulatory purposes	4,777	1,858
Total cash, cash equivalents, restricted cash and restricted cash equivalents shown in the Condensed Consolidated Statements of Cash Flows	\$ 7,451	\$ 4,548

Amounts included in restricted cash and restricted cash equivalents consist primarily of qualified deposits in special reserve bank accounts for the exclusive benefit of clients under Rule 15c3-3 of the Securities Exchange Act of 1934 (the "Exchange Act") and other regulations.

3. Cash and Investments Segregated and on Deposit for Regulatory Purposes

Cash and investments segregated and on deposit for regulatory purposes consists of the following (dollars in millions):

	March 31, 2019	September 30, 2018
Cash in demand deposit accounts	\$ 2,387	\$ 956
U.S. government debt securities	1,748	200
U.S. government agency mortgage-backed securities	778	1,302
Reverse repurchase agreements (collateralized by U.S. government debt securities)	500	500
Cash on deposit with futures commission merchants	142	202
U.S. government debt securities on deposit with futures commission merchant	25	25
Total	\$ 5,580	\$ 3,185

4. Exit Liabilities

As of September 18, 2017, the date the Company completed its acquisition of Scottrade Financial Services, Inc. ("Scottrade"), the Company began to incur costs in connection with actions taken to attain synergies from combining the operations of the Company and Scottrade. These costs, collectively referred to as "acquisition-related exit costs," include severance and other costs associated with consolidating facilities and administrative functions. As of September 30, 2018, substantially all of the acquisition-related exit costs had been incurred.

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The following tables summarize activity in the Company's exit liabilities for the three and six month periods ended March 31, 2019 and 2018, which are included in accounts payable and other liabilities on the Condensed Consolidated Balance Sheets (dollars in millions):

	Severance Pay and Other Employment Benefits	Contract Termination and Other Costs	Total
Balance, December 31, 2018	\$ 8	\$ 7	\$15
Costs incurred and charged to expense	2	(1) —	2
Costs paid or otherwise settled	(5)	(4)	(9)
Balance, March 31, 2019	\$ 5	\$ 3	\$8
	Severance Pay and Other Employment Benefits	Contract Termination and Other Costs	Total
Balance, December 31, 2017	\$ 200	\$ 12	\$212
Costs incurred and charged to expense	96	(1) 63	(2) 159
Costs paid or otherwise settled	(183)	(37)	(220)
Balance, March 31, 2018	\$ 113	\$ 38	\$151
	Severance Pay and Other Employment Benefits	Contract Termination and Other Costs	Total
Balance, September 30, 2018	\$ 21	\$ 48	\$69
Costs incurred and charged to expense	4	(1) (2)	(2) 2
Costs paid or otherwise settled	(20)	(43)	(63)
Balance, March 31, 2019	\$ 5	\$ 3	\$8
	Severance Pay and Other Employment Benefits	Contract Termination and Other Costs	Total
Balance, September 30, 2017	\$ 138	\$ —	\$138
Exit liabilities assumed - post closing adjustments	—	9	9
Costs incurred and charged to expense	178	(1) 161	(2) 339
Costs paid or otherwise settled	(203)	(132)	(335)
Balance, March 31, 2018	\$ 113	\$ 38	\$151

(1) Costs incurred for severance pay and other employment benefits are included in employee compensation and benefits on the Condensed Consolidated Statements of Income.

(2) Costs incurred for contract termination and other costs are primarily included in other operating expense and professional services on the Condensed Consolidated Statements of Income.

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The following table summarizes the cumulative amount of acquisition-related exit costs incurred by the Company related to the Scottrade acquisition as of March 31, 2019 (dollars in millions):

	Severance Pay and Other Employment Benefits	Contract Termination and Other Costs	Total
Exit liabilities assumed in business acquisition	\$ 100	\$ 9	\$ 109
Employee compensation and benefits	267	—	267
Clearing and execution costs	—	1	1
Communications	—	1	1
Occupancy and equipment costs	—	7	7
Professional services	—	30	30
Other operating expense	—	171	171
Other non-operating expense	—	2	2
Total	\$ 367	\$ 221	\$ 588

5. Income Taxes

The Company's effective income tax rate for the six months ended March 31, 2019 and 2018 was 23.7% and 15.9%, respectively. The provision for income taxes for the six months ended March 31, 2019 included \$18 million of favorable adjustments related to state income tax matters and a \$3 million income tax benefit resulting from the vesting of equity-based compensation. These items had a favorable impact on the Company's earnings for the six months ended March 31, 2019 of approximately \$0.04 per share. The provision for income taxes for the six months ended March 31, 2018 included a net favorable adjustment of \$68 million related to the remeasurement of the Company's deferred income tax balances as it pertained to the Tax Cuts and Jobs Act (the "Act"), a \$4 million income tax benefit resulting from the change in accounting for income taxes related to equity-based compensation under ASU 2016-09, \$10 million of favorable resolutions of state income tax matters and a \$12 million favorable benefit resulting from accelerating certain deductions, including acquisition-related exit costs, to leverage higher 2017 pre-enactment tax rates. The effective income tax rate was also impacted by a \$9 million unfavorable remeasurement of uncertain tax positions related to certain federal incentives. The Act was enacted on December 22, 2017, reducing the U.S. federal corporate income tax rate from 35% to 21%. These items had a net favorable impact on the Company's earnings for the six months ended March 31, 2018 of approximately \$0.15 per share.

6. Long-term Debt and Other Borrowings

Long-term debt and other borrowings consist of the following (dollars in millions):

<u>March 31, 2019</u>	Face Value	Unamortized Discounts and Debt Issuance Costs	Fair Value Adjustment (1)	Net Carrying Value
Long-term debt:				
Senior Notes:				
5.600% Notes due 2019	\$500	\$ —	\$ 2	\$ 502
Variable-rate Notes due 2021	600	(3)	—	597
2.950% Notes due 2022	750	(3)	(8)	739
3.75% Notes due 2024	400	(4)	—	396
3.625% Notes due 2025	500	(3)	5	502
3.300% Notes due 2027	800	(9)	(7)	784
Total long-term debt	\$3,550	\$ (22)	\$ (8)	\$ 3,520

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<u>September 30, 2018</u>	Face Value	Unamortized Discounts and Debt Issuance Costs	Fair Value Adjustment ⁽¹⁾	Net Carrying Value
Other borrowings:				
Securities sold under agreements to repurchase	\$96	\$ —	\$ —	\$ 96
Long-term debt:				
Senior Notes:				
5.600% Notes due 2019	500	(1)	2	501
2.950% Notes due 2022	750	(4)	(27)	719
3.625% Notes due 2025	500	(3)	(17)	480
3.300% Notes due 2027	800	(9)	(52)	739
Subtotal - Long-term debt	2,550	(17)	(94)	2,439
Total long-term debt and other borrowings	\$2,646	\$ (17)	\$ (94)	\$ 2,535

(1) Fair value adjustments relate to changes in the fair value of the debt while in a fair value hedging relationship. See (1) "Fair Value Hedging" below.

Fiscal year maturities on long-term debt outstanding at March 31, 2019 are as follows (dollars in millions):

2019 Remaining	\$—
2020	500
2021	—
2022	1,350
2023	—
Thereafter	1,700
Total	\$3,550

Senior Notes — As of March 31, 2019, the Company had \$3.55 billion aggregate principal amount of unsecured Senior Notes (together, the "Senior Notes"). On October 30, 2018, the Company sold, through a public offering, \$600 million aggregate principal amount of unsecured variable-rate senior notes due November 1, 2021 (the "2021 Notes") and \$400 million aggregate principal amount of unsecured 3.750% senior notes due April 1, 2024 (the "2024 Notes"). The Company intends to use the net proceeds from the issuance of the 2021 Notes and 2024 Notes for general corporate purposes, including to augment liquidity.

The 2021 Notes bear interest at a variable rate, which resets quarterly and is equal to three-month LIBOR plus 0.430% per annum, payable quarterly on February 1, May 1, August 1 and November 1 of each year, beginning on February 1, 2019. Interest on the fixed-rate 2024 Notes will be payable in arrears semi-annually on April 1 and October 1 of each year, beginning on April 1, 2019.

The Company's obligations in respect to the 2021 Notes and the 2024 Notes are not guaranteed by any of its subsidiaries. The Company may redeem the 2024 Notes, in whole or in part, at any time prior to March 2, 2024 at a redemption price equal to the greater of (a) 100% of the principal amount of the notes being redeemed, and (b) the sum of the present values of the remaining scheduled payments of principal and interest on the notes being redeemed, discounted to the date of redemption on a semi-annual basis at the comparable U.S. Treasury rate, plus 15 basis points, plus accrued and unpaid interest to the date of redemption. The Company may redeem the 2021 Notes and 2024 Notes, in whole or in part, at any time on or after October 2, 2021 and March 2, 2024, respectively, at a redemption price equal to 100% of the principal amount of the notes being redeemed, plus, in each case, accrued and unpaid interest to the date of redemption.

Lines of Credit — TD Ameritrade Clearing, Inc. ("TDAC"), a clearing broker-dealer subsidiary of the Company, utilizes secured uncommitted lines of credit for short-term liquidity. Under these secured uncommitted lines, TDAC borrows on either a demand or short-term basis from two unaffiliated banks and pledges client margin securities as collateral. Advances under the secured uncommitted lines are dependent on TDAC having acceptable collateral as

determined by each secured uncommitted credit agreement. At March 31, 2019, the terms of the secured uncommitted credit agreements do not specify borrowing limits. The availability of TDAC's secured uncommitted lines is subject to approval by the individual banks each time an advance is requested and may be denied. There were no borrowings outstanding under the secured uncommitted lines of credit as of March 31, 2019 and September 30, 2018.

Securities Sold Under Agreements to Repurchase (repurchase agreements) — Under repurchase agreements, the Company receives cash from the counterparty and provides U.S. government debt securities as collateral. The Company's repurchase agreements

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generally mature between 30 and 90 days following the transaction date and are accounted for as secured borrowings. There were no borrowings outstanding under repurchase agreements as of March 31, 2019. The remaining contractual maturities of the repurchase agreements with outstanding balances as of September 30, 2018 were less than 30 days. The weighted average interest rate on the balances outstanding as of September 30, 2018 was 2.35%. See "General Contingencies" in Note 8 for a discussion of the potential risks associated with repurchase agreements and how the Company mitigates those risks.

Fair Value Hedging — The Company is exposed to changes in the fair value of its fixed-rate Senior Notes resulting from interest rate fluctuations. To hedge a vast majority of this exposure, the Company has entered into fixed-for-variable interest rate swaps on each of the 2019 Notes, 2022 Notes, 2025 Notes and 2027 Notes (together, the "Hedged Senior Notes"). Each fixed-for-variable interest rate swap has a notional amount and a maturity date matching the aggregate principal amount and maturity date, respectively, for each of the respective Hedged Senior Notes.

The interest rate swaps effectively change the fixed-rate interest on the Hedged Senior Notes to variable-rate interest. Under the terms of the interest rate swap agreements, the Company receives semi-annual fixed-rate interest payments based on the same rates applicable to the Hedged Senior Notes, and makes quarterly variable-rate interest payments based on three-month LIBOR plus (a) 2.3745% for the swap on the 2019 Notes, (b) 0.9486% for the swap on the 2022 Notes, (c) 1.1022% for the swap on the 2025 Notes and (d) 1.0340% for the swap on the 2027 Notes. As of March 31, 2019, the weighted average interest rate on the aggregate principal balance of the Senior Notes was 3.86%.

The interest rate swaps are accounted for as fair value hedges and qualify for the shortcut method of accounting. Changes in the payment of interest resulting from the interest rate swaps are recorded in interest on borrowings on the Condensed Consolidated Statements of Income. Changes in fair value of the interest rate swaps are completely offset by changes in fair value of the related notes, resulting in no effect on net income. The following table summarizes gains and losses resulting from changes in the fair value of interest rate swaps designated as fair value hedges and the hedged fixed-rate debt for the periods indicated (dollars in millions):

	Three Months Ended March 31, 2019		Six Months Ended March 31, 2018	
Gain (loss) on fair value of interest rate swaps	\$34	\$(55)	\$86	\$(79)
Gain (loss) on fair value of hedged fixed-rate debt	(34)	55	(86)	79
Net gain (loss) recorded in interest on borrowings	\$—	\$—	\$—	\$—

Balance Sheet Impact of Hedging Instruments — The following table summarizes the classification and the fair value of outstanding derivatives designated as hedging instruments on the Condensed Consolidated Balance Sheets (dollars in millions):

	March 31, 2019	September 30, 2018
Pay-variable interest rate swaps designated as fair value hedges:		
Other assets	\$ 7	\$ 2
Accounts payable and other liabilities	\$(15)	\$(96)

The interest rate swaps are subject to counterparty credit risk. Credit risk is managed by limiting activity to approved counterparties that meet a minimum credit rating threshold, by entering into credit support agreements, or by utilizing approved central clearing counterparties registered with the Commodity Futures Trading Commission ("CFTC"). The interest rate swaps require daily collateral coverage, in the form of cash or U.S. Treasury securities, for the aggregate fair value of the interest rate swaps (including accrued interest). As of March 31, 2019 and September 30, 2018, the pay-variable interest rate swap counterparties had pledged \$20 million and \$10 million of collateral, respectively, to the Company in the form of cash. A liability for collateral pledged to the Company in the form of cash is recorded in accounts payable and other liabilities on the Condensed Consolidated Balance Sheets. As of March 31, 2019 and September 30, 2018, the Company had pledged \$2 million and \$82 million of collateral, respectively, to the

pay-variable interest rate swap counterparties in the form of cash. An asset for collateral pledged to the swap counterparties in the form of cash is recorded in other receivables on the Condensed Consolidated Balance Sheets.

TD Ameritrade Holding Corporation Senior Revolving Credit Facility — On April 21, 2017, the Parent entered into a credit agreement consisting of a senior unsecured committed revolving credit facility in the aggregate principal amount of \$300 million (the "Parent Revolving Facility"). The maturity date of the Parent Revolving Facility is April 21, 2022.

The applicable interest rate under the Parent Revolving Facility is calculated as a per annum rate equal to, at the option of the Parent, (a) LIBOR plus an interest rate margin ("Parent Eurodollar loans") or (b) (i) the highest of (x) the prime rate, (y) the federal funds effective rate (or, if the federal funds effective rate is unavailable, the overnight bank funding rate) plus 0.50% or (z) the eurodollar rate assuming a one-month interest period plus 1.00%, plus (ii) an interest rate margin ("ABR loans"). The interest

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rate margin ranges from 0.875% to 1.50% for Parent Eurodollar loans and from 0% to 0.50% for ABR loans, determined by reference to the Company's public debt ratings. The Parent is obligated to pay a commitment fee ranging from 0.08% to 0.20% on any unused amount of the Parent Revolving Facility, determined by reference to the Company's public debt ratings. There were no borrowings outstanding under the Parent Revolving Facility as of March 31, 2019 and September 30, 2018. As of March 31, 2019, the interest rate margin would have been 1.125% for Parent Eurodollar loans and 0.125% for ABR loans, and the commitment fee was 0.125%, each determined by reference to the Company's public debt ratings.

TD Ameritrade Clearing, Inc. Senior Revolving Credit Facilities — TDAC has access to two senior unsecured committed revolving credit facilities with an aggregate principal amount of \$1.45 billion, consisting of a \$600 million (the "\$600 Million Revolving Facility") and an \$850 million (the "\$850 Million Revolving Facility") senior revolving facility (together, the "TDAC Revolving Facilities") entered into on April 21, 2017 and May 17, 2018, respectively. The maturity dates of the \$600 Million Revolving Facility and the \$850 Million Revolving Facility are April 21, 2022 and May 16, 2019, respectively.

The applicable interest rate under each of the TDAC Revolving Facilities is calculated as a per annum rate equal to, at the option of TDAC, (a) LIBOR plus an interest rate margin ("TDAC Eurodollar loans") or (b) the federal funds effective rate plus an interest rate margin ("Federal Funds Rate loans"). The interest rate margin ranges from 0.75% to 1.25% for both TDAC Eurodollar loans and Federal Funds Rate loans, determined by reference to the Company's public debt ratings. TDAC is obligated to pay commitment fees ranging from 0.07% to 0.175% and from 0.06% to 0.125% on any unused amounts of the \$600 Million Revolving Facility and the \$850 Million Revolving Facility, respectively, each determined by reference to the Company's public debt ratings. There were no borrowings outstanding under the TDAC Revolving Facilities as of March 31, 2019 and September 30, 2018. As of March 31, 2019, the interest rate margin under the TDAC Revolving Facilities would have been 1.00% for both TDAC Eurodollar loans and Federal Funds Rate loans, determined by reference to the Company's public debt ratings. As of March 31, 2019, the commitment fees under the \$600 Million Revolving Facility and the \$850 Million Revolving Facility were 0.10% and 0.08%, respectively, each determined by reference to the Company's public debt ratings.

Intercompany Credit Agreements — The Parent has entered into credit agreements with each of its primary broker-dealer and FCM/FDM subsidiaries, under which the Parent may make loans of cash or securities under committed and/or uncommitted lines of credit. Key information about the committed and/or uncommitted lines of credit is summarized in the following table (dollars in millions):

Borrower Subsidiary	Committed Facility	Uncommitted Facility ⁽¹⁾	Termination Date
TD Ameritrade Clearing, Inc.	\$1,200	\$300	March 1, 2022
TD Ameritrade, Inc.	N/A	\$300	March 1, 2022
TD Ameritrade Futures & Forex LLC	\$45	N/A	August 11, 2021

(1) The Parent is permitted, but under no obligation, to make loans under uncommitted facilities.

Loans under both the committed and uncommitted facilities bear interest at the same rate as borrowings under the TDAC Revolving Facilities and must be repaid with interest on or before the termination date.

There were no borrowings outstanding under any of the intercompany credit agreements as of March 31, 2019 and September 30, 2018.

7. Capital Requirements

The Company's broker-dealer subsidiaries are subject to the SEC Uniform Net Capital Rule (Rule 15c3-1 under the Exchange Act), administered by the SEC and the Financial Industry Regulatory Authority ("FINRA"), which requires the maintenance of minimum net capital, as defined. Net capital and the related net capital requirement may fluctuate on a daily basis. TDAC, the Company's clearing broker-dealer subsidiary, and TD Ameritrade, Inc., an introducing broker-dealer subsidiary of the Company, compute net capital under the alternative method as permitted by Rule 15c3-1. TDAC is required to maintain minimum net capital of the greater of \$1.5 million, which is based on the type of business conducted by the broker-dealer, or 2% of aggregate debit balances arising from client transactions.

TD Ameritrade, Inc. is required to maintain minimum net capital of the greater of \$250,000 or 2% of aggregate debit balances arising from client transactions. In addition, under the alternative method, a broker-dealer may not repay any

subordinated borrowings, pay cash dividends or make any unsecured advances or loans to its parent company or employees if such payment would result in net capital of less than (a) 5% of aggregate debit balances or (b) 120% of its minimum dollar requirement.

TD Ameritrade Futures & Forex LLC ("TDAFF"), the Company's FCM and FDM subsidiary registered with the CFTC, is subject to CFTC Regulations 1.17 and 5.7 under the Commodity Exchange Act, administered by the CFTC and the National Futures Association ("NFA"). As an FCM, TDAFF is required to maintain minimum adjusted net capital under CFTC Regulation 1.17 of the greater of (a) \$1.0 million or (b) its futures risk-based capital requirement, equal to 8% of the total risk margin requirement

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for all futures positions carried by the FCM in client and nonclient accounts. As an FDM, TDAFF is also subject to the net capital requirements under CFTC Regulation 5.7, which requires TDAFF to maintain minimum adjusted net capital of the greater of (a) any amount required under CFTC Regulation 1.17 as described above or (b) \$20.0 million plus 5% of all foreign exchange liabilities owed to forex clients in excess of \$10.0 million. In addition, an FCM and FDM must provide notice to the CFTC if its adjusted net capital amounts to less than (a) 110% of its risk-based capital requirement under CFTC Regulation 1.17, (b) 150% of its \$1.0 million minimum dollar requirement, or (c) 110% of \$20.0 million plus 5% of all foreign exchange liabilities owed to forex clients in excess of \$10.0 million.

Net capital and net capital requirements for the Company's broker-dealer subsidiaries are summarized in the following tables (dollars in millions):

TD Ameritrade Clearing, Inc.

Date	Net Capital	Required Net Capital (2% of Aggregate Debit Balances)	Net Capital in Excess of Required Net Capital	Ratio of Net Capital to Aggregate Debit Balances
March 31, 2019	\$3,280	\$ 470	\$ 2,810	13.97 %
September 30, 2018	\$2,831	\$ 525	\$ 2,306	10.79 %

TD Ameritrade, Inc.

Date	Net Capital	Required Net Capital (Minimum Dollar Requirement)	Net Capital in Excess of Required Net Capital
March 31, 2019	\$ 269	\$ 0.25	\$ 268
September 30, 2018	\$ 181	\$ 0.25	\$ 181

Adjusted net capital and adjusted net capital requirements for the Company's FCM and FDM subsidiary are summarized in the following table (dollars in millions):

TD Ameritrade Futures & Forex LLC

Date	Adjusted Net Capital	Required Adjusted Net Capital (\$20 Million Plus 5% of All Foreign Exchange Liabilities Owed to Forex Clients in Excess of \$10 Million)	Adjusted Net Capital in Excess of Required Adjusted Net Capital
March 31, 2019	\$ 146	\$ 23	\$ 123
September 30, 2018	\$ 129	\$ 23	\$ 106

The Company's non-depository trust company subsidiary, TD Ameritrade Trust Company ("TDATC"), is subject to capital requirements established by the State of Maine, which require TDATC to maintain minimum Tier 1 capital. TDATC's Tier 1 capital was \$43 million and \$39 million as of March 31, 2019 and September 30, 2018, respectively, which exceeded the required Tier 1 capital by \$22 million and \$18 million, respectively.

8. Commitments and Contingencies**Legal and Regulatory Matters**

Order Routing Matters — In 2014, five putative class action complaints were filed regarding TD Ameritrade, Inc.'s routing of client orders and one putative class action was filed regarding Scottrade, Inc.'s routing of client orders. Five of the six cases were dismissed and the United States Court of Appeals, 8th Circuit, affirmed the dismissals in those cases that were appealed. The one remaining case is *Roderick Ford* (replacing *Gerald Klein*) v. *TD Ameritrade Holding Corporation, et al.*, Case No. 8:14CV396 (U.S. District Court, District of Nebraska). In the remaining case,

plaintiff alleges that, when routing client orders to various market centers, defendants did not seek best execution, and instead routed clients' orders to market venues that paid TD Ameritrade, Inc. the most money for order flow. Plaintiff alleges that defendants made misrepresentations and omissions regarding the Company's order routing practices. The complaint asserts claims of violations of Section 10(b) and 20 of the Exchange Act and SEC Rule 10b-5. The complaint seeks damages, injunctive relief, and other relief. Plaintiff filed a motion for class certification, which defendants opposed. On July 12, 2018, the Magistrate Judge issued findings and a recommendation that plaintiff's motion for class certification be denied. Plaintiff filed objections to the Magistrate Judge's findings and recommendation, which defendants opposed. On September 14, 2018, the District Judge sustained plaintiff's objections, rejected the Magistrate Judge's

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recommendation and granted plaintiff's motion for class certification. On September 28, 2018, defendants filed a petition requesting that the U.S. Court of Appeals, 8th Circuit, grant an immediate appeal of the District Court's class certification decision. The U.S. Court of Appeals, 8th Circuit, granted defendants' petition on December 18, 2018. Briefing on the appeal is underway. The Securities Industry and Financial Markets Association and the U.S. Chamber of Commerce have filed *amicus curiae* briefs in support of the Company's appeal. The Company intends to vigorously defend against this lawsuit and is unable to predict the outcome or the timing of the ultimate resolution of the lawsuit, or the potential loss, if any, that may result.

Certain regulatory authorities are conducting examinations and investigations regarding the routing of client orders. TD Ameritrade, Inc., TDAC and Scottrade, Inc. have received requests for documents and information from the regulatory authorities. TD Ameritrade, Inc., TDAC and Scottrade, Inc. are cooperating with the requests.

Aequitas Securities Litigation — An amended putative class action complaint was filed in the U.S. District Court for the District of Oregon in *Lawrence Ciuffitelli et al. v. Deloitte & Touche LLP, EisnerAmper LLP, Sidley Austin LLP, Tonkon Torp LLP, TD Ameritrade, Inc., and Integrity Bank & Trust*, Case No. 3:16CV580, on May 19, 2016. A second amended putative class action complaint was filed on September 8, 2017, in which Duff & Phelps was added as a defendant. The putative class includes all persons who purchased securities of Aequitas Commercial Finance, LLC and its affiliates on or after June 9, 2010. Other groups of plaintiffs have filed non-class action lawsuits in Oregon Circuit Court, Multnomah County, against these and other defendants: *Walter Wurster, et al. v. Deloitte & Touche et al.*, Case No. 16CV25920 (filed Aug. 11, 2016), *Kenneth Pommier, et al. v. Deloitte & Touche et al.*, Case No. 16CV36439 (filed Nov. 3, 2016), *Charles Ramsdell, et al. v. Deloitte & Touche et al.*, Case No. 16CV40659 (filed Dec. 2, 2016), *Charles Layton, et al. v. Deloitte & Touche et al.*, Case No. 17CV42915 (filed October 2, 2017) and *John Cavanagh, et al. v. Deloitte & Touche et al.*, Case No. 18CV09052 (filed March 7, 2018). FINRA arbitrations have also been filed against TD Ameritrade, Inc. The claims in these actions include allegations that the sales of Aequitas securities were unlawful, the defendants participated and materially aided in such sales in violation of the Oregon securities laws, and material misstatements and omissions were made. While the factual allegations differ in various respects among the cases, plaintiffs' allegations include assertions that: TD Ameritrade, Inc. customers purchased more than \$140 million of Aequitas securities; TD Ameritrade, Inc. served as custodian for Aequitas securities; recommended and referred investors to financial advisors as part of its advisor referral program for the purpose of purchasing Aequitas securities; participated in marketing the securities; recommended the securities; provided assurances to investors about the safety of the securities; and developed a market for the securities. In the *Ciuffitelli* putative class action, plaintiffs allege that more than 1,500 investors were owed more than \$600 million on the Aequitas securities they purchased. On August 1, 2018, the Magistrate Judge in that case issued findings and a recommendation that defendants' motions to dismiss the pending complaint be denied with limited exceptions not applicable to the Company. TD Ameritrade, Inc. and other defendants filed objections to the Magistrate Judge's findings and recommendation, which plaintiffs opposed. On September 24, 2018, the District Judge issued an opinion and order adopting the Magistrate Judge's findings and recommendation. Discovery is ongoing. In the non-class action lawsuits, approximately 200 named plaintiffs collectively allege a total of approximately \$150 million in losses plus other damages. In the *Wurster* and *Pommier* cases, the Court, on TD Ameritrade Inc.'s motion, dismissed the claims by those plaintiffs who were TD Ameritrade, Inc. customers, in favor of arbitration. Twenty-nine of those plaintiffs filed claims in a FINRA arbitration on March 13, 2019. Discovery is ongoing. The Court in the *Wurster* and *Pommier* cases denied TD Ameritrade's motion to dismiss the claims by the plaintiffs who were not TD Ameritrade customers. Plaintiffs in the *Ramsdell* case have filed a second amended complaint in which TD Ameritrade, Inc. is not named as a defendant. On September 24, 2018, plaintiffs in the *Cavanagh* case dismissed their claims against TD Ameritrade, Inc. On July 17, 2018, plaintiffs in the *Ciuffitelli* case filed a motion for preliminary approval of an \$18.5 million settlement with the defendant Tonkon Torp law firm of the claims against it in all the pending cases. On March 19, 2019, the Magistrate Judge in the *Ciuffitelli* case issued findings and a recommendation that the District Judge grant plaintiffs' motion for preliminary approval of the Tonkon Torp settlement. The Company intends to vigorously defend against this litigation. The Company is unable to predict the outcome or the timing of the ultimate resolution of this litigation, or the potential losses, if any, that may result.

Other Legal and Regulatory Matters — The Company is subject to a number of other lawsuits, arbitrations, claims and other legal proceedings in connection with its business. Some of these legal actions include claims for substantial or unspecified compensatory and/or punitive damages. In addition, in the normal course of business, the Company discusses matters with its regulators raised during regulatory examinations or otherwise subject to their inquiry. These matters could result in censures, fines, penalties or other sanctions. ASC 450, *Loss Contingencies*, governs the recognition and disclosure of loss contingencies, including potential losses from legal and regulatory matters. ASC 450 categorizes loss contingencies using three terms based on the likelihood of occurrence of events that result in a loss: "probable" means that "the future event or events are likely to occur;" "remote" means that "the chance of the future event or events occurring is slight;" and "reasonably possible" means that "the chance of the future event or events occurring is more than remote but less than likely." Under ASC 450, the Company accrues for losses that are considered both probable and reasonably estimable. The Company may incur losses in addition to the amounts accrued where the losses are greater than estimated by management, or for matters for which an unfavorable outcome is considered reasonably possible, but not probable.

The Company estimates that the aggregate range of reasonably possible losses in excess of amounts accrued is from \$0 to \$200 million as of March 31, 2019. This estimated aggregate range of reasonably possible losses is based upon currently available

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information for those legal and regulatory matters in which the Company is involved, taking into account the Company's best estimate of reasonably possible losses for those matters as to which an estimate can be made. For certain matters, the Company does not believe an estimate can currently be made, as some matters are in preliminary stages and some matters have no specific amounts claimed. The Company's estimate involves significant judgment, given the varying stages of the proceedings and the inherent uncertainty of predicting outcomes. The estimated range will change from time to time as the underlying matters, stages of proceedings and available information change. Actual losses may vary significantly from the current estimated range.

The Company believes, based on its current knowledge and after consultation with counsel, that the ultimate disposition of these legal and regulatory matters, individually or in the aggregate, is not likely to have a material adverse effect on the financial condition or cash flows of the Company. However, in light of the uncertainties involved in such matters, the Company is unable to predict the timing or the ultimate resolution of these matters, or the potential losses, fines, penalties or equitable relief, if any, that may result, and it is possible that the ultimate resolution of one or more of these matters may be material to the Company's results of operations for a particular reporting period.

Income Taxes

The Company's federal and state income tax returns are subject to examination by taxing authorities. Because the application of tax laws and regulations to many types of transactions is subject to varying interpretations, amounts reported in the condensed consolidated financial statements could be significantly changed at a later date upon final determinations by taxing authorities.

General Contingencies

In the ordinary course of business, there are various contingencies that are not reflected in the condensed consolidated financial statements. These include the Company's broker-dealer and FCM/FDM subsidiaries' client activities involving the execution, settlement and financing of various client securities, options, futures and foreign exchange transactions. These activities may expose the Company to credit risk and losses in the event the clients are unable to fulfill their contractual obligations.

The Company extends margin credit and leverage to its clients. In margin transactions, the Company extends credit to the client, subject to various regulatory and internal margin requirements, collateralized by cash and securities in the client's account. In connection with these activities, the Company also routes client orders for execution and clears client transactions involving the sale of securities not yet purchased ("short sales"). Such margin-related transactions may expose the Company to credit risk in the event a client's assets are not sufficient to fully cover losses that the client may incur. Leverage involves securing a large potential future obligation with a lesser amount of collateral. The risks associated with margin credit and leverage increase during periods of rapid market movements, or in cases where leverage or collateral is concentrated and market movements occur. In the event the client fails to satisfy its obligations, the Company has the authority to liquidate certain positions in the client's account(s) at prevailing market prices in order to fulfill the client's obligations. However, during periods of rapid market movements, clients who utilize margin credit or leverage and who have collateralized their obligations with securities may find that the securities have a rapidly depreciating value (or increasing value with respect to short positions) and may not be sufficient to cover their obligations in the event of liquidation. The Company seeks to mitigate the risks associated with its client margin and leverage activities by requiring clients to maintain margin collateral in compliance with various regulatory and internal guidelines. The Company monitors required margin levels throughout each trading day and, pursuant to such guidelines, requires clients to deposit additional collateral, or to reduce positions, when necessary.

The Company contracts with unaffiliated FCM, FDM and broker-dealer entities to clear and execute futures, options on futures and foreign exchange transactions for its clients. This can result in concentrations of credit risk with one or more of these counterparties. This risk is partially mitigated by the counterparties' obligation to comply with rules and regulations governing FCMs, FDMs and broker-dealers in the United States. These rules generally require maintenance of net capital and segregation of client funds and securities. In addition, the Company manages this risk by requiring credit approvals for counterparties and by utilizing account funding and sweep arrangement agreements that generally specify that all client cash in excess of futures funding requirements be transferred back to the clients'

securities brokerage accounts at the Company on a daily basis.

The Company loans securities temporarily to other broker-dealers in connection with its broker-dealer business. The Company receives cash as collateral for the securities loaned. Increases in securities prices may cause the market value of the securities loaned to exceed the amount of cash received as collateral. In the event the counterparty to these transactions does not return the loaned securities, the Company may be exposed to the risk of acquiring the securities at higher prevailing market prices in order to satisfy its client obligations. The Company mitigates this risk by requiring credit approvals for counterparties, by monitoring the market value of securities loaned on a daily basis and requiring additional cash as collateral when necessary, and by participating in a risk-sharing program offered through the Options Clearing Corporation ("OCC").

The Company borrows securities temporarily from other broker-dealers in connection with its broker-dealer business. The Company deposits cash as collateral for the securities borrowed. Decreases in securities prices may cause the market value of the securities borrowed to fall below the amount of cash deposited as collateral. In the event the counterparty to these transactions

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does not return the cash deposited, the Company may be exposed to the risk of selling the securities at prevailing market prices. The Company mitigates this risk by requiring credit approvals for counterparties, by monitoring the collateral values on a daily basis and requiring collateral to be returned by the counterparties when necessary, and by participating in a risk-sharing program offered through the OCC.

The Company transacts in reverse repurchase agreements (securities purchased under agreements to resell) in connection with its broker-dealer business. The Company's policy is to take possession or control of securities with a market value in excess of the principal amount loaned, plus accrued interest, in order to collateralize resale agreements. The Company monitors the market value of the underlying securities that collateralize the related receivable on resale agreements on a daily basis and may require additional collateral when deemed appropriate. The Company utilizes securities sold under agreements to repurchase (repurchase agreements) to finance its short-term liquidity and capital needs. Under these agreements, the Company receives cash from the counterparties and provides U.S. Treasury securities as collateral, allowing the counterparties the right to sell or repledge the collateral. These agreements expose the Company to credit losses in the event the counterparties cannot meet their obligations. The Company mitigates this risk by requiring credit approvals for counterparties, by monitoring the market value of pledged securities owned on a daily basis and requiring the counterparties to return cash or excess collateral pledged when necessary.

The Company has accepted collateral in connection with client margin loans and securities borrowed. Under applicable agreements, the Company is generally permitted to repledge securities held as collateral and use them to enter into securities lending arrangements. The following table summarizes the fair values of client margin securities and stock borrowings that were available to the Company to utilize as collateral on various borrowings or for other purposes, and the amount of that collateral loaned or repledged by the Company (dollars in billions):

	March 31, 2019	September 30, 2018
Client margin securities	\$ 28.7	\$ 31.4
Stock borrowings	1.1	0.8
Total collateral available	\$ 29.8	\$ 32.2
Collateral loaned	\$ 2.4	\$ 2.9
Collateral repledged	4.1	6.3
Total collateral loaned or repledged	\$ 6.5	\$ 9.2

The Company is subject to cash deposit and collateral requirements with clearinghouses based on its clients' trading activity. The following table summarizes cash deposited with and securities pledged to clearinghouses by the Company (dollars in millions):

Assets	Condensed Consolidated Balance Sheet Classification	March 31, 2019	September 30, 2018
Cash	Receivable from brokers, dealers and clearing organizations	\$ 491	\$ 545
U.S. government debt securities	Securities owned, at fair value	—	50
Total		\$ 491	\$ 595

The Company manages its sweep program through off-balance sheet arrangements with The Toronto-Dominion Bank ("TD") and unaffiliated third-party depository financial institutions (together, the "Sweep Program Counterparties"). The sweep program is offered to eligible clients whereby the client's uninvested cash is swept into FDIC-insured (up to specified limits) money market deposit accounts at the Sweep Program Counterparties. The Company earns revenue on client cash at the Sweep Program Counterparties based on the return of floating-rate and fixed-rate notional investments. The Company designates amounts and maturity dates for the fixed-rate notional investments within the sweep program portfolios, subject to certain limitations. In the event the Company instructs the Sweep Program Counterparties to withdraw a fixed-rate notional investment prior to its maturity, the Company may be

required to reimburse the Sweep Program Counterparties for any losses incurred as a result of the early withdrawal. In order to mitigate the risk of potential loss due to an early withdrawal of fixed-rate notional investments, the Company maintains a certain level of short-term floating-rate investments within the sweep program portfolios to meet client cash demands. See "*Insured Deposit Account Agreement*" in Note 13 for a description of the sweep arrangement between the Company and TD.

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The Company is a member of and provides guarantees to securities clearinghouses and exchanges in connection with client trading activities. Under related agreements, the Company is generally required to guarantee the performance of other members. Under these agreements, if a member becomes unable to satisfy its obligations to the clearinghouse, other members would be required to meet shortfalls. The Company's liability under these arrangements is not quantifiable and could exceed the cash and securities it has posted to the clearinghouse as collateral. However, the likelihood that the Company would be required to make payments under these agreements is considered remote. Accordingly, no contingent liability is carried on the Condensed Consolidated Balance Sheets for these guarantees. The Company clears its clients' futures and options on futures transactions on an omnibus account basis through unaffiliated FCMs. The Company also contracts with an external provider to facilitate foreign exchange trading for its clients. The Company has agreed to indemnify these unaffiliated FCMs and the external provider for any loss that they may incur from the client transactions introduced to them by the Company.

See "*Insured Deposit Account Agreement*" in Note 13 for a description of the guarantees included in that agreement.

9. Fair Value Disclosures**Fair Value Measurement — Definition and Hierarchy**

ASC 820-10, *Fair Value Measurement*, defines fair value 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.

ASC 820-10 establishes a hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability, and are developed based on market data obtained from sources independent of the Company. Unobservable inputs reflect the Company's own assumptions about the assumptions other market participants would use in pricing the asset or liability, and are developed based on the best information available in the circumstances.

The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value into three broad levels, as follows:

Level 1 — Quoted prices (unadjusted) in active markets for identical assets or liabilities that the Company has the ability to access. This category includes active exchange-traded funds, money market mutual funds, mutual funds and equity securities.

Level 2 — Inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly or indirectly. Such inputs include quoted prices in markets that are not active, quoted prices for similar assets and liabilities in active and inactive markets, inputs other than quoted prices that are observable for the asset or liability and inputs that are derived principally from or corroborated by observable market data by correlation or other means. This category includes most debt securities, U.S. government agency mortgage-backed securities, which consist of Ginnie Mae Home Equity Conversion Mortgages, and other interest-sensitive financial instruments.

Level 3 — Unobservable inputs for the asset or liability, where there is little, if any, observable market activity or data for the asset or liability.

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The following tables present the Company's fair value hierarchy for assets and liabilities measured at fair value on a recurring basis as of March 31, 2019 and September 30, 2018 (dollars in millions):

	March 31, 2019			
	Level 1	Level 2	Level 3	Fair Value
Assets:				
Cash equivalents:				
Money market mutual funds	\$2,315	\$—	\$	—\$ 2,315
Investments segregated and on deposit for regulatory purposes:				
U.S. government debt securities	—	1,773	—	1,773
U.S. government agency mortgage-backed securities	—	778	—	778
Subtotal - Investments segregated for regulatory purposes	—	2,551	—	2,551
Securities owned:				
U.S. government debt securities	—	149	—	149
Other	5	5	—	10
Subtotal - Securities owned	5	154	—	159
Investments available-for-sale:				
U.S. government debt securities	—	894	—	894
Other assets:				
Pay-variable interest rate swaps ⁽¹⁾	—	7	—	7
U.S. government debt securities	—	1	—	1
Subtotal - Other assets	—	8	—	8
Total assets at fair value	\$2,320	\$3,607	\$	—\$ 5,927
Liabilities:				
Accounts payable and other liabilities:				
Pay-variable interest rate swaps ⁽¹⁾	\$—	\$15	\$	—\$ 15

(1) See "Fair Value Hedging" in Note 6 for details.

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	September 30, 2018			
	Level 1	Level 2	Level 3	Fair Value
Assets:				
Cash equivalents:				
Money market mutual funds	\$2,373	\$—	\$ —	\$ 2,373
Investments segregated and on deposit for regulatory purposes:				
U.S. government debt securities	—	225	—	225
U.S. government agency mortgage-backed securities	—	1,302	—	1,302
Subtotal - Investments segregated for regulatory purposes	—	1,527	—	1,527
Securities owned:				
U.S. government debt securities	—	149	—	149
Other	1	6	—	7
Subtotal - Securities owned	1	155	—	156
Investments available-for-sale:				
U.S. government debt securities	—	484	—	484
Other assets:				
Pay-variable interest rate swaps ⁽¹⁾	—	2	—	2
U.S. government debt securities	—	1	—	1
Auction rate securities	—	—	1	1
Subtotal - Other assets	—	3	1	4
Total assets at fair value	\$2,374	\$2,169	\$ 1	\$ 4,544
Liabilities:				
Accounts payable and other liabilities:				
Pay-variable interest rate swaps ⁽¹⁾	\$—	\$96	\$ —	\$ 96

(1) See "Fair Value Hedging" in Note 6 for details.

There were no transfers between any levels of the fair value hierarchy during the periods covered by this report.

Valuation Techniques

In general, and where applicable, the Company uses quoted prices in active markets for identical assets or liabilities to determine fair value. This pricing methodology applies to the Company's Level 1 assets and liabilities. If quoted prices in active markets for identical assets and liabilities are not available to determine fair value, then the Company uses quoted prices for similar assets and liabilities or inputs other than the quoted prices that are observable, either directly or indirectly. This pricing methodology applies to the Company's Level 2 assets and liabilities.

Level 2 Measurements:

Debt securities — Fair values for debt securities are based on prices obtained from an independent pricing vendor. The primary inputs to the valuation include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, contractual cash flows, benchmark yields and credit spreads. The Company validates the vendor pricing by periodically comparing it to pricing from another independent pricing service. The Company has not adjusted prices obtained from the independent pricing vendor for any periods presented in the condensed consolidated financial statements because no significant pricing differences have been observed.

U.S. government agency mortgage-backed securities — Fair values for mortgage-backed securities are based on prices obtained from an independent pricing vendor. The primary inputs to the valuation include quoted prices for similar assets in active markets and in markets that are not active, a market derived prepayment curve, weighted average yields on the underlying collateral and spreads to benchmark indices. The Company validates the vendor pricing by periodically comparing it to pricing from two other

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independent sources. The Company has not adjusted prices obtained from the independent pricing vendor for any periods presented in the condensed consolidated financial statements because no significant pricing differences have been observed.

Interest rate swaps — These derivatives are valued by the Company using a valuation model provided by a third-party service that incorporates interest rate yield curves, which are observable for substantially the full term of the contract. The valuation model is widely accepted in the financial services industry and does not involve significant judgment because most of the inputs are observable in the marketplace. Credit risk is not an input to the valuation because in each case the Company or counterparty has possession of collateral, in the form of cash or U.S. Treasury securities, in amounts equal to or exceeding the fair value of the interest rate swaps. The Company validates the third-party service valuations by comparing them to valuation models provided by the swap counterparties.

Level 3 Measurements:

The Company has no material assets or liabilities classified as Level 3 of the fair value hierarchy.

Fair Value of Financial Instruments Not Recorded at Fair Value

Receivable from/payable to brokers, dealers and clearing organizations, receivable from/payable to clients, receivable from/payable to affiliates, other receivables, accounts payable and other liabilities and certain other borrowings are short-term in nature and accordingly are carried at amounts that approximate fair value. These financial instruments are recorded at or near their respective transaction prices and historically have been settled or converted to cash at approximately that value (categorized as Level 2 of the fair value hierarchy).

Cash and investments segregated and on deposit for regulatory purposes includes reverse repurchase agreements (securities purchased under agreements to resell). Reverse repurchase agreements are treated as collateralized financing transactions and are carried at amounts at which the securities will subsequently be resold, plus accrued interest. The Company's reverse repurchase agreements generally have a maturity of seven days and are collateralized by securities in amounts exceeding the carrying value of the resale agreements. Accordingly, the carrying value of reverse repurchase agreements approximates fair value (categorized as Level 2 of the fair value hierarchy). Cash and investments segregated and on deposit for regulatory purposes also includes cash held in demand deposit accounts and on deposit with futures commission merchants, for which the carrying values approximate the fair value (categorized as Level 1 of the fair value hierarchy). See Note 3 for a summary of cash and investments segregated and on deposit for regulatory purposes.

Securities sold under agreements to repurchase (repurchase agreements) included within other borrowings — Under repurchase agreements the Company receives cash from the counterparties and provides U.S. Treasury securities as collateral. The obligations to repurchase securities sold are reflected as a liability on the Condensed Consolidated Balance Sheets. Repurchase agreements are treated as collateralized financing transactions and are carried at amounts at which the securities will subsequently be repurchased, plus accrued interest. The Company's repurchase agreements are short-term in nature and accordingly the carrying value is a reasonable estimate of fair value (categorized as Level 2 of the fair value hierarchy).

Long-term debt — As of March 31, 2019, the Company's Senior Notes had an aggregate estimated fair value, based on quoted market prices (categorized as Level 1 of the fair value hierarchy), of approximately \$3.60 billion, compared to the aggregate carrying value of the Senior Notes on the Condensed Consolidated Balance Sheet of \$3.52 billion. As of September 30, 2018, the Company's Senior Notes had an aggregate estimated fair value, based on quoted market prices, of approximately \$2.51 billion, compared to the aggregate carrying value of the Senior Notes on the Condensed Consolidated Balance Sheet of \$2.44 billion.

Table of Contents**10. Offsetting Assets and Liabilities**

Substantially all of the Company's securities sold under agreements to repurchase (repurchase agreements), reverse repurchase agreements, securities borrowing and securities lending activity and derivative financial instruments are transacted under master agreements that may allow for net settlement in the ordinary course of business, as well as offsetting of all contracts with a given counterparty in the event of default by one of the parties. However, for financial statement purposes, the Company does not net balances related to these financial instruments.

The following tables present information about the potential effect of rights of setoff associated with the Company's recognized assets and liabilities as of March 31, 2019 and September 30, 2018 (dollars in millions):

March 31, 2019

	Gross Amounts of Recognized Assets and Liabilities		Gross Amounts Not Offset in the Condensed Consolidated Balance Sheet		Net Amounts Presented in the Condensed Consolidated Balance Sheet		Collateral Received or Pledged (Including Cash) ⁽⁶⁾		Net Amount ⁽⁷⁾	
Assets:										
Investments segregated for regulatory purposes:										
Reverse repurchase agreements	\$ 500	\$ —	\$ 500	\$ —	\$ (500)	\$ —				
Receivable from brokers, dealers and clearing organizations:										
Deposits paid for securities borrowed ⁽¹⁾	1,104	—	1,104	(25)	(1,060)					19
Other assets:										
Pay-variable interest rate swaps	7	—	7	(7)	—					—
Total	\$ 1,611	\$ —	\$ 1,611	\$ (32)	\$ (1,560)					\$ 19
Liabilities:										
Payable to brokers, dealers and clearing organizations:										
Deposits received for securities loaned ⁽²⁾⁽³⁾	\$ 2,400	\$ —	\$ 2,400	\$ (25)	\$ (2,149)					\$ 226
Accounts payable and other liabilities:										
Pay-variable interest rate swaps	15	—	15	(2)	—					13
Total	\$ 2,415	\$ —	\$ 2,415	\$ (27)	\$ (2,149)					\$ 239

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	September 30, 2018				Gross Amounts Not Offset in the Condensed Consolidated Balance Sheet		
	Gross Amounts of Recognized Assets and Liabilities	Amounts Offset in the Condensed Consolidated Balance Sheet	Net Amounts Presented in the Condensed Consolidated Balance Sheet	Financial Instruments	Collateral Received or Pledged (Including Cash)		Net Amount ⁽⁷⁾
Assets:							
Investments segregated for regulatory purposes:							
Reverse repurchase agreements	\$ 500	\$ —	\$ 500	\$—	\$ (500))	\$ —
Receivable from brokers, dealers and clearing organizations:							
Deposits paid for securities borrowed ⁽¹⁾	803	—	803	(41)	(744))	18
Other assets:							
Pay-variable interest rate swaps	2	—	2	(2)	—)	—
Total	\$ 1,305	\$ —	\$ 1,305	\$(43)	\$(1,244))	\$ 18
Liabilities:							
Payable to brokers, dealers and clearing organizations:							
Deposits received for securities loaned ⁽²⁾⁽³⁾	\$ 2,914	\$ —	\$ 2,914	\$(43)	\$(2,544))	\$ 327
Securities sold under agreements to repurchase ⁽⁴⁾	96	—	96	(96)	—)	—
Accounts payable and other liabilities:							
Pay-variable interest rate swaps	96	—	96	(82)	—)	14
Total	\$ 3,106	\$ —	\$ 3,106	\$(221)	\$(2,544))	\$ 341

Included in the gross amounts of deposits paid for securities borrowed is \$546 million and \$462 million as of March 31, 2019 and September 30, 2018, respectively, transacted through a risk-sharing program with the OCC, which guarantees the return of cash to the Company. See "General Contingencies" in Note 8 for a discussion of the potential risks associated with securities borrowing transactions and how the Company mitigates those risks.

Included in the gross amounts of deposits received for securities loaned is \$1.56 billion and \$2.01 billion as of March 31, 2019 and September 30, 2018, respectively, transacted through a risk-sharing program with the OCC, which guarantees the return of securities to the Company. See "General Contingencies" in Note 8 for a discussion of the potential risks associated with securities lending transactions and how the Company mitigates those risks.

Substantially all of the Company's securities lending transactions have a continuous contractual term and, upon notice by either party, may be terminated within two business days. The following table summarizes the Company's gross liability for securities lending transactions by the class of securities loaned (dollars in millions):

	March 31, 2019	September 30, 2018
Deposits received for securities loaned:		
Equity securities	\$ 1,991	\$ 2,583
Exchange-traded funds	267	223
Closed-end funds	69	74
Other	73	34
Total	\$ 2,400	\$ 2,914

⁽⁴⁾The collateral pledged includes available-for-sale U.S. government debt securities at fair value. All of the Company's repurchase agreements have a remaining contractual maturity of less than 90 days and, upon default by either party, may be terminated at the option of the non-defaulting party. See "General Contingencies" in Note 8

for a discussion of the potential risks associated with repurchase agreements and how the Company mitigates those risks.

(5) Amounts represent recognized assets and liabilities that are subject to enforceable master agreements with rights of setoff.

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Represents the fair value of collateral the Company had received or pledged under enforceable master agreements, limited for table presentation purposes to the net amount of the recognized assets due from or liabilities due to each (6) counterparty. At March 31, 2019 and September 30, 2018, the Company had received total collateral with a fair value of \$1.61 billion and \$1.30 billion, respectively, and pledged total collateral with a fair value of \$2.18 billion and \$2.76 billion, respectively.

(7) Represents the amount for which, in the case of net recognized assets, the Company had not received collateral, and in the case of net recognized liabilities, the Company had not pledged collateral.

11. Accumulated Other Comprehensive Loss

The following tables present the net change in fair value recorded for each component of other comprehensive income (loss) before and after income tax for the periods indicated (dollars in millions):

	Three Months Ended March 31,					
	2019			2018		
	Before Tax	Net of Tax	Before Tax	Net of Tax	Before Tax	Net of Tax
Investments available-for-sale:						
Unrealized gain (loss)	\$9	\$(2)	\$7	\$(2)	\$	—\$(2)
Net change in investments available-for-sale	9	(2)	7	(2)	—	(2)
Cash flow hedging instruments:						
Reclassification adjustment for portion of realized loss amortized to net income ⁽¹⁾	1	—	1	1	—	1
Net change in cash flow hedging instruments	1	—	1	1	—	1
Other comprehensive income (loss)	\$10	\$(2)	\$8	\$(1)	\$	—\$(1)
	Six Months Ended March 31,					
	2019			2018		
	Before Tax	Net of Tax	Before Tax	Net of Tax	Before Tax	Net of Tax
Investments available-for-sale:						
Unrealized gain (loss)	\$25	\$(6)	\$19	\$(6)	\$1	\$(5)
Reclassification adjustment for realized loss included in net income ⁽²⁾	—	—	—	11	(4)	7
Net change in investments available-for-sale	25	(6)	19	5	(3)	2
Cash flow hedging instruments:						
Reclassification adjustment for portion of realized loss amortized to net income ⁽¹⁾	2	—	2	2	—	2
Net change in cash flow hedging instruments	2	—	2	2	—	2
Other comprehensive income	\$27	\$(6)	\$21	\$7	\$(3)	\$4

(1) The before tax reclassification amounts and related tax effects are included in interest on borrowings and provision for income taxes, respectively, on the Condensed Consolidated Statements of Income.

(2) The before tax reclassification amount and the related tax effect are included in loss on sale of investments and provision for income taxes, respectively, on the Condensed Consolidated Statements of Income.

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The following table presents after-tax changes in each component of accumulated other comprehensive loss for the periods indicated (dollars in millions):

	Three Months Ended March 31,		Six Months Ended March 31,	
	2019	2018	2019	2018
Investments available-for-sale:				
Beginning balance	\$5	\$(1)	\$(7)	\$(5)
Other comprehensive income (loss) before reclassifications	7	(2)	19	(5)
Amounts reclassified from accumulated other comprehensive loss	—	—	—	7
Current period change	7	(2)	19	2
Ending balance	\$12	\$(3)	\$12	\$(3)
Cash flow hedging instruments:				
Beginning balance	\$(19)	\$(19)	\$(20)	\$(20)
Amounts reclassified from accumulated other comprehensive loss	1	1	2	2
Ending balance	\$(18)	\$(18)	\$(18)	\$(18)
Total accumulated other comprehensive loss:				
Beginning balance	\$(14)	\$(20)	\$(27)	\$(25)
Current period change	8	(1)	21	4
Ending balance	\$(6)	\$(21)	\$(6)	\$(21)

12. Earnings Per Share

The difference between the numerator and denominator used in the computation of basic and diluted earnings per share consists of common stock equivalent shares related to stock-based compensation for all periods presented. There were no material antidilutive awards for the three and six months ended March 31, 2019 and 2018.

13. Related Party Transactions**Transactions with TD and its Affiliates**

As a result of the Company's acquisition of TD Waterhouse Group, Inc. during fiscal year 2006, TD became an affiliate of the Company. TD owned approximately 42% of the Company's common stock as of March 31, 2019. Pursuant to the stockholders agreement between TD and the Company, TD has the right to designate five of the twelve members of the Company's board of directors. The Company transacts business and has extensive relationships with TD and certain of its affiliates. Transactions with TD and its affiliates are discussed and summarized below.

Insured Deposit Account Agreement

The Company is party to an insured deposit account ("IDA") agreement with TD Bank USA, N.A. ("TD Bank USA"), TD Bank, N.A. and TD. Under the IDA agreement, TD Bank USA and TD Bank, N.A. (together, the "TD Depository Institutions") make available to clients of the Company FDIC-insured (up to specified limits) money market deposit accounts as either designated sweep vehicles or as non-sweep deposit accounts. The Company provides marketing, recordkeeping and support services for the TD Depository Institutions with respect to the money market deposit accounts. In exchange for providing these services, the TD Depository Institutions pay the Company an aggregate marketing fee based on the weighted average yield earned on the client IDA assets, less the actual interest paid to clients, a servicing fee to the TD Depository Institutions and the cost of FDIC insurance premiums.

The current IDA agreement became effective as of January 1, 2013 and had an initial term expiring July 1, 2018. It is automatically renewable for successive five-year terms, provided that it may be terminated by either the Company or the TD Depository Institutions by providing written notice of non-renewal at least two years prior to the initial expiration date or the expiration date of any subsequent renewal period. As of July 1, 2016, notice of non-renewal was not provided by either party; therefore, the IDA agreement was automatically renewed for an additional five-year term on July 1, 2018.

The fee earned on the IDA agreement is calculated based on two primary components: (a) the yield on fixed-rate notional investments, based on prevailing fixed rates for identical balances and maturities in the interest rate swap market (generally LIBOR-based) at the time such investments were added to the IDA portfolio (including any

adjustments required to adjust the variable

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rate leg of such swaps to a one-month reset frequency and the overall swap payment frequency to monthly) and (b) the yield on floating-rate investments. As of March 31, 2019, the IDA portfolio was comprised of approximately 82% fixed-rate notional investments and 18% floating-rate investments.

The IDA agreement provides that the Company may designate amounts and maturity dates for the fixed-rate notional investments in the IDA portfolio, subject to certain limitations. For example, if the Company designates that \$100 million of deposits be invested in 5-year fixed-rate investments, and on the day such investment is confirmed by the TD Depository Institutions the prevailing fixed yield for the applicable 5-year U.S. dollar LIBOR-based swaps is 1.45%, then the Company will earn a gross fixed yield of 1.45% on that portion of the portfolio (before any deductions for interest paid to clients, the servicing fee to the TD Depository Institutions and the cost of FDIC insurance premiums). In the event that (1) the federal funds effective rate is established at 0.75% or greater and (2) the rate on 5-year U.S. dollar interest rate swaps is equal to or greater than 1.50% for 20 consecutive business days, then the rate earned by the Company on new fixed-rate notional investments will be reduced by 20% of the excess of the 5-year U.S. dollar swap rate over 1.50%, up to a maximum of 0.10%.

The yield on floating-rate investments is calculated daily based on the greater of the following rates published by the Federal Reserve: (1) the interest rate paid by Federal Reserve Banks on balances held in excess of required reserve balances and contractual clearing balances under Regulation D and (2) the daily effective federal funds rate.

The interest rates paid to clients are set by the TD Depository Institutions and are not linked to any index. The servicing fee to the TD Depository Institutions under the IDA agreement is equal to 25 basis points on the aggregate average daily balance in the IDA accounts, subject to adjustment as it relates to deposits of less than or equal to \$20 billion kept in floating-rate investments or in fixed-rate notional investments with a maturity of up to 24 months ("short-term fixed-rate investments"). For such floating-rate and short-term fixed-rate investments, the servicing fee is equal to the difference of the interest rate earned on the investments less the FDIC premiums paid (in basis points), divided by two. The servicing fee has a floor of 3 basis points (subject to adjustment from time to time to reflect material changes to the TD Depository Institutions' leverage costs) and a maximum of 25 basis points.

In the event the marketing fee computation results in a negative amount, the Company must pay the TD Depository Institutions the negative amount. This effectively results in the Company guaranteeing the TD Depository Institutions revenue equal to the servicing fee on the IDA agreement, plus the reimbursement of FDIC insurance premiums. The marketing fee computation under the IDA agreement is affected by many variables, including the type, duration, principal balance and yield of the fixed-rate and floating-rate investments, the prevailing interest rate environment, the amount of client deposits and the yield paid on client deposits. Because a negative marketing fee computation would arise only if there were extraordinary movements in many of these variables, the maximum potential amount of future payments the Company could be required to make under this arrangement cannot be reasonably estimated.

Management believes the likelihood that the marketing fee calculation would result in a negative amount is remote.

Accordingly, no contingent liability is carried on the Condensed Consolidated Balance Sheets for the IDA agreement. In the event the Company withdraws a notional investment prior to its maturity, the Company is required to reimburse the TD Depository Institutions an amount equal to the economic replacement value of the investment, as defined in the IDA agreement. See "General Contingencies" in Note 8 for a discussion of how the Company mitigates the risk of losses due to the early withdrawal of fixed-rate notional investments.

In addition, the Company has various other services agreements and transactions with TD and its affiliates. The following tables summarize revenues and expenses resulting from transactions with TD and its affiliates for the periods indicated (dollars in millions):

Description	Condensed Consolidated Statement of Income Classification	Revenues from TD and its Affiliates			
		Three Months Ended March		Six Months Ended March	
		31, 2019	2018	31, 2019	2018
Insured Deposit Account Agreement	Bank deposit account fees	\$398	\$349	\$800	\$693
Order Routing Agreement ⁽¹⁾	Other revenues	6	1	12	2
Other	Various	2	7	17	14

Total revenues

\$406 \$357 \$829 \$709

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Description	Condensed Consolidated Statement of Income Classification	Expenses to TD and its Affiliates			
		Three Months Ended March 31,		Six Months Ended March 31,	
		2019	2018	2019	2018
Order Routing Agreement ⁽¹⁾	Other expense	\$ 4	N/A	\$ 9	N/A
Other	Various	2	2	4	4
Total expenses		\$ 6	\$ 2	\$ 13	\$ 4

Prior to fiscal year 2019, the Company accounted for revenues associated with the Order Routing Agreement between the Company and an affiliate of TD on a net basis through other revenues. Following the adoption of the new revenue recognition standard (ASU 2014-09) on October 1, 2018, the Company began accounting for Order Routing Agreement revenues on a gross basis. The Company adopted the new guidance using the modified retrospective approach, which requires the standard be applied only to the most current period presented; therefore, the prior period has not been adjusted to reflect the current period presentation. See "Recently Adopted Accounting Pronouncements" in Note 1 for additional details regarding the amended guidance.

The following table summarizes the classification and amount of receivables from and payables to TD and its affiliates on the Condensed Consolidated Balance Sheets resulting from related party transactions (dollars in millions):

	March 31, 2019	September 30, 2018
Assets:		
Receivable from affiliates	\$ 133	\$ 151
Liabilities:		
Payable to brokers, dealers and clearing organizations	\$ 71	\$ 47
Payable to affiliates	4	7

Payables to brokers, dealers and clearing organizations primarily relate to securities lending activity and are settled in accordance with customary contractual terms. Receivables from and payables to TD affiliates resulting from client cash sweep activity are generally settled in cash the next business day. Other receivables from and payables to affiliates of TD are generally settled in cash on a monthly basis.

As of September 30, 2018, payable to affiliates on the Condensed Consolidated Balance Sheet included \$38 million of liabilities assumed in connection with the acquisition of Scottrade. These liabilities were settled during the first quarter of fiscal year 2019.

TD, along with other financial institutions, is participating as a lender under the Parent Revolving Facility and the TDAC Revolving Facilities. For additional information regarding the Company's revolving facilities, see Note 8, Long-term Debt and Other Borrowings. As of March 31, 2019 and September 30, 2018, the total lending commitment received from TD under these credit facilities was \$257 million. During the six months ended March 31, 2019, the Company paid approximately \$1 million of debt issuance costs to an affiliate of TD in connection with the issuance of the 2021 Notes and 2024 Notes, which is being amortized into interest expense over the terms of the respective 2021 Notes and 2024 Notes.

14. Accelerated Stock Repurchase Agreements

On March 26, 2019, the Company entered into an agreement with an investment bank counterparty to purchase shares of its common stock under an accelerated stock repurchase transaction (the "March 2019 ASR Agreement"). The Company paid \$350 million to the counterparty and received an initial delivery of 5.6 million shares of its common stock on March 28, 2019, representing 80% of the potential shares to be repurchased based on the closing stock price of \$49.64 on March 26, 2019. Settlement of the transaction is scheduled to occur after the end of an averaging period and is subject to early termination by the counterparty. The averaging period began on March 27, 2019 and will end

no earlier than July 29, 2019 or later than September 25, 2019. The total number of shares to be repurchased by the Company from the counterparty will be based on the average of the daily volume-weighted average share prices of the Company's common stock during the averaging period, less a pre-determined discount, up to a maximum of 14.1 million shares. If the total number of shares to be repurchased exceeds the number of shares delivered on March 28, 2019, the Company will receive the remaining balance of shares from the investment bank counterparty. If the total number of shares to be repurchased is less than the number of shares delivered on March 28, 2019, the Company has the contractual right to deliver to the investment bank counterparty either shares of its common stock or cash. The Company expects to receive additional shares upon final settlement of the March 2019 ASR Agreement.

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On November 27, 2018, the Company entered into an agreement with an investment bank counterparty to purchase shares of its common stock under an accelerated stock repurchase transaction (the "November 2018 ASR Agreement"). The Company paid \$60 million to the counterparty and received an initial delivery of 0.9 million shares of its common stock on November 30, 2018, representing 80% of the potential shares to be repurchased based on the closing stock price of \$53.08 on November 27, 2018. Settlement of the transaction occurred after the end of an averaging period, which began on November 28, 2018 and ended on March 1, 2019. The total number of shares the Company purchased from the counterparty was based on the average of the daily volume-weighted average share prices of the Company's common stock during the averaging period, less a pre-determined discount. Upon settlement, the Company received an additional 0.3 million shares on March 5, 2019. The Company ultimately repurchased a total of approximately 1.2 million shares under the November 2018 ASR Agreement at a net weighted average price of \$52.12 per share.

In September 2018, the Company entered into an agreement with an investment bank counterparty to purchase \$150 million of its common stock under an accelerated stock repurchase transaction (the "September 2018 ASR Agreement"). Pursuant to the terms of the September 2018 ASR Agreement, the Company received an initial delivery of 2.2 million shares of its common stock in September 2018 and received an additional 0.6 million shares upon completion of the agreement in October 2018. The Company ultimately repurchased a total of approximately 2.8 million shares under the September 2018 ASR Agreement at a net weighted average price of \$53.13 per share. The Company treated the ASR agreements as forward contracts indexed to its own common stock. The forward contracts met all of the applicable criteria for equity classification, including the Company's right to settle in shares. The Company reflected the shares received from the investment bank counterparties as treasury stock as of the dates the shares were delivered, which resulted in reductions of the outstanding shares used to calculate the weighted average common shares outstanding for both basic and diluted earnings per share during the respective periods.

15. Revenue Recognition

On October 1, 2018, the Company adopted ASU 2014-09, *Revenue from Contracts with Customers (ASC Topic 606)*, and related ASUs using a modified retrospective approach for all contracts that were not completed as of October 1, 2018. The cumulative effect of the changes made to the Company's Condensed Consolidated Balance Sheet as of October 1, 2018 for the adoption of ASU 2014-09 were as follows (dollars in millions):

	Balance at September 30, 2018	Adjustments from Adoption of ASU 2014-09	Balance at October 1, 2018
Assets:			
Other assets	\$ 212	\$ 37	\$ 249
Liabilities:			
Deferred income taxes	177	9	186
Stockholders' equity:			
Retained earnings	7,011	28	7,039

The modified retrospective transition method does not require the Company to recast the prior year financial statements; although, ASU 2014-09 requires the Company to provide additional disclosures for the amount by which each financial statement line item is affected by the adoption of the standard. The financial statement line items affected by the adoption of ASU 2014-09 are as follows (dollars in millions):

	As of March 31, 2019		
Condensed Consolidated Balance Sheet	As Reported	Balances Without Adoption of ASU 2014-09	Effect of Change Higher/(Lower)
Assets:			
Other assets	\$276	\$ 244	\$ 32

Liabilities:

Deferred income taxes	215	207	8
Stockholders' equity:			
Retained earnings	7,805	7,781	24

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Condensed Consolidated Statement of Income	Three Months Ended March 31, 2019		
	As Reported	Balances Without Adoption of ASU 2014-09	Effect of Change Higher/(Lower)
Revenues:			
Other revenues	\$35	\$22	\$13
Operating expenses:			
Employee compensation and benefits	340	337	3
Clearing and execution costs	53	47	6
Other	35	28	7
Provision for income taxes	169	170	(1)
Net income	499	501	(2)
Earnings per share — diluted	\$0.89	\$0.89	\$—
	Six Months Ended March 31, 2019		
Condensed Consolidated Statement of Income	As Reported	Balances Without Adoption of ASU 2014-09	Effect of Change Higher/(Lower)
Revenues:			
Other revenues	\$68	\$43	\$25
Operating expenses:			
Employee compensation and benefits	657	652	5
Clearing and execution costs	102	93	9
Other	81	65	16
Provision for income taxes	343	344	(1)
Net income	1,103	1,107	(4)
Earnings per share — diluted	\$1.96	\$1.97	\$(0.01)

The following tables set forth the disaggregation of the Company's revenue by major source for the periods indicated (dollars in millions):

	Three Months Ended March 31,		% Change
	2019	2018	
Revenues:			
Transaction-based revenues:			
Commissions	\$326	\$395	(17)%
Order routing revenue	119	125	(5)%
Other	42	36	17%
Total transaction-based revenues	487	556	
Asset-based revenues:			
Bank deposit account fees	430	381	13%
Net interest revenue	362	308	18%
Investment product fees	137	141	(3)%
Total asset-based revenues	929	830	
Other revenues	35	29	21%
Net revenues	\$1,451	\$1,415	

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	Six Months Ended March 31,		% Change
	2019	2018	
Revenues:			
Transaction-based revenues:			
Commissions	\$690	\$708	(3)%
Order routing revenue	248	222	12 %
Other	86	66	30 %
Total transaction-based revenues	1,024	996	
Asset-based revenues:			
Bank deposit account fees	858	762	13 %
Net interest revenue	737	585	26 %
Investment product fees	280	274	2 %
Total asset-based revenues	1,875	1,621	
Other revenues	68	55	24 %
Net revenues	\$2,967	\$2,672	

The amount of revenue recognized by the Company is measured based on the consideration specified in contracts with its clients. The Company recognizes revenue when a performance obligation is satisfied over time as the services are performed or at a point in time depending on the nature of the services provided as further discussed below.

Transaction-Based Revenues

Transaction-based revenues primarily consists of trading commissions earned on trade execution, net of promotional allowances, and order routing revenue. The primary factors driving the Company's transaction-based revenues are total trades and average commissions per trade. Commission rates are based on rates established by the Company, which vary by type of trade. Transaction-based revenues are earned and recognized at a point in time, on a trade-date basis, as clients execute trades. These trades are generally settled and trading commissions are collected from the Company's clients within one to two business days after the trade date. Order routing revenues are generated from arrangements with market destinations to receive cash payments in exchange for routing trade orders to these firms for execution and are generally collected from the market destinations on a monthly basis. Securities owned by clients, including those that collateralize margin or similar transactions, are not reflected in the accompanying condensed consolidated financial statements.

Asset-Based Revenues

Asset-based revenues consists of bank deposit account fees, net interest revenue and investment product fees. The primary factors driving the Company's asset-based revenues are average balances and average rates. Average balances consist primarily of average client bank deposit account balances, average client margin balances, average segregated cash balances, average client credit balances, average fee-based investment balances and average securities borrowing and lending balances. Average rates consist of the average interest rates and fees earned and paid on such balances.

Bank deposit account fees

Bank deposit account fees consists of revenues earned and recognized over time resulting from a sweep program that is offered to eligible clients of the Company whereby clients' uninvested cash is swept off-balance sheet to FDIC-insured (up to specified limits) accounts with Sweep Program Counterparties participating in the program. These revenues are based on the return of floating-rate and fixed-rate notional investments, less the actual interest paid to clients and other applicable fees. Bank deposit account fees are collected from the Sweep Program Counterparties on a monthly basis. See "*Insured Deposit Account Agreement*" in Note 13 for a description of the sweep arrangement between the Company and TD.

Net interest revenue

Net interest revenue, which is generated from financial instruments covered by various other areas of GAAP, is not within the scope of ASC 606 and is included in the table above to reconcile to net revenues disclosed within the Condensed Consolidated Statements of Income. Net interest revenue primarily consists of income generated by

interest charged to clients on margin balances, net interest revenue from securities borrowed and securities loaned transactions and interest earned on client cash, net of interest paid to clients on their credit balances.

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Investment product fee revenue consists of revenues earned and recorded over time on client assets invested in money market mutual funds, other mutual funds and certain investment programs. Investment product fees also includes fees earned on client assets managed by independent registered investment advisors ("RIAs") utilizing the Company's trading and investing platforms. Investment product fees are collected from clients and RIAs on a monthly or quarterly basis. Primary revenue sources within investment product fees are described below.

The following tables present the significant components of investment product fees for the periods indicated (dollars in millions):

	Three Months Ended March 31,		
	2019	2018	% Change
Investment product fees:			
Mutual fund service fees	\$68	\$64	6 %
Investment program fees	61	67	(9)%
Other	8	10	(20)%
Total investment product fees	\$137	\$141	

	Six Months Ended March 31,		
	2019	2018	% Change
Investment product fees:			
Mutual funds service fees	\$135	\$123	10 %
Investment program fees	129	132	(2)%
Other	16	19	(16)%
Total investment product fees	\$280	\$274	

Mutual fund service fees includes shareholder services fees and SEC Rule 12b-1 service and distribution fees. Shareholder services fees are earned on the Company's client assets invested in money market mutual funds and other mutual funds for record-keeping and administrative services provided to these funds. The Company earns SEC Rule 12b-1 service and distribution fees for marketing and distribution services provided to these funds. The fees earned are based on contractual rates applied to the average daily net asset value of eligible shares of a respective fund held by the Company's clients. Shareholder services fees are earned over time and collected from the funds on a monthly or quarterly basis. SEC Rule 12b-1 fees are also earned over time and collected from the funds on a monthly or quarterly basis, as the variable consideration of a transaction price is no longer constrained and the value of consideration can be determined as discussed previously.

Investment program fees are earned through fees charged to clients enrolled in product offerings which are actively managed by TD Ameritrade Investment Management, LLC, a wholly-owned subsidiary of the Company. These fees are earned over time and are based on contractual rates applied to asset balances held by the Company's clients in these product offerings. Certain program fees are based on quarter-end balances and are collected from clients in advance, at the beginning of each calendar quarter. Revenues collected on a quarterly basis, less refunds for clients ceasing participation in the program, are recognized during the quarter as performance obligations are satisfied. Other program fees are based on average daily asset balances and collected from clients on a monthly basis.

The Company also earns investment program fees through referral and asset-based program fees on its client assets managed by independent RIAs utilizing the Company's platform. These fees are earned based on contractual rates applied to the client's average daily asset balances under management. Referral fees are earned over time and collected from the independent RIAs on a monthly or quarterly basis, as the variable consideration of a transaction price is no longer constrained and the value of consideration can be determined as discussed previously. Asset-based program

fees are also earned over time and collected from the independent RIAs on a monthly or quarterly basis.

Other revenues

Other revenues primarily include proxy income, solicit and tender fees and other fees charged for ancillary services provided by the Company to its clients. In addition, other revenues include fair market value adjustments and gains/losses associated with investments held by the Company's broker-dealer subsidiaries. Other revenues generated from investments is covered by various other areas of GAAP, is not within the scope of ASC 606 and is included in the table above to reconcile to net revenues disclosed within the Condensed Consolidated Statements of Income. Proxy fee income is earned and collected at a point in time when the Company distributes proxy statements to its clients on behalf of a registrant and the revenue is based on the volume of proxies

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distributed and the rate per unit charged to each registrant. Solicit and tender fees are earned and collected from clients at a point in time when the Company has satisfied its obligation to maintain its client accounts holding securities affected by corporate actions.

Contract balances

The following table presents the opening and closing balances of the Company's receivables from contracts with clients that are within the scope of ASC 606 on the Condensed Consolidated Balance Sheets (dollars in millions):

	Contract Balances			Total Receivables from Contracts with Clients
	Receivable from Clients	Receivable from Affiliates	Other Receivables	
Opening balance, October 1, 2018	\$ 16	\$ 7	\$ 115	\$ 138
Closing balance, March 31, 2019	47	7	119	173
Increase	\$ 31	\$ —	\$ 4	\$ 35

The difference between the opening and closing balances of the Company's receivables from contracts with clients primarily results from the timing difference between the Company's performance and the client's payment. No other significant contract assets or liabilities exist as of March 31, 2019 and October 1, 2018.

Unsatisfied Performance Obligations

The Company does not have any unsatisfied performance obligations subject to a practical expedient election under ASC 606.

Item 2. - Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion of the financial condition and results of operations of the Company should be read in conjunction with the Selected Financial Data and the Consolidated Financial Statements and Notes thereto included in the Company's annual report on Form 10-K for the fiscal year ended September 30, 2018, and the Condensed Consolidated Financial Statements and Notes thereto contained in this quarterly report on Form 10-Q.

This discussion contains forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Statements that are not historical facts, including statements about our beliefs and expectations, are forward-looking statements. Forward-looking statements include statements preceded by, followed by or that include the words "may," "could," "would," "should," "believe," "expect," "anticipate," "plan," "estimate," "target," "project," "intend" and similar words or expressions. In particular, forward-looking statements contained in this discussion include our expectations regarding: the effect of client trading activity on our results of operations; the effect of changes in interest rates on our net interest spread; the amount of advertising expense; our effective income tax rate; and our capital and liquidity needs and our plans to finance such needs.

The Company's actual results could differ materially from those anticipated in such forward-looking statements. Important factors that may cause such differences include, but are not limited to: economic, social and political conditions and other securities industry risks; interest rate risks; liquidity risks; credit risk with clients and counterparties; risk of liability for errors in clearing functions; systemic risk; systems failures, delays and capacity constraints; network security risks; competition; reliance on external service providers; new laws and regulations affecting our business; net capital requirements; extensive regulation, regulatory uncertainties and legal matters; difficulties and delays in integrating the Scottrade Financial Services, Inc. ("Scottrade") business or fully realizing cost savings and other benefits from the acquisition; disruptions from the Scottrade acquisition; or other factors making it more difficult to maintain relationships with employees, customers, other business partners or governmental entities; the inability to achieve synergies or to implement integration plans and other consequences associated with other acquisitions; and the other risks and uncertainties set forth under Item 1A. – Risk Factors of the Company's annual report on Form 10-K for the fiscal year ended September 30, 2018. The forward-looking statements contained in this report speak only as of the date on which the statements were made. We undertake no obligation to publicly update or revise these statements, whether as a result of new information, future events or otherwise, except to the

extent required by the federal securities laws.

The preparation of our financial statements requires us to make judgments and estimates that may have a significant impact upon our financial results. Note 1 of our Notes to Consolidated Financial Statements in our annual report on Form 10-K for the fiscal year ended September 30, 2018, contains a summary of our significant accounting policies, many of which require the use of estimates and assumptions. We believe that the following areas are particularly subject to management's judgments and estimates and could materially affect our results of operations and financial position: valuation of goodwill and acquired intangible assets; estimates of effective income tax rates, uncertain tax positions, deferred income taxes and related valuation allowances; accruals

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for contingent liabilities; and valuation of guarantees. These areas are discussed in further detail under the heading "Critical Accounting Policies and Estimates" in Item 7 of our annual report on Form 10-K for the fiscal year ended September 30, 2018.

The term "GAAP" refers to U.S. generally accepted accounting principles. We utilize non-GAAP calculations of earnings before interest, taxes, depreciation and amortization ("EBITDA") and liquid assets. We believe that these non-GAAP measures may be useful in evaluating the operating performance and liquidity of the business. Reference to these non-GAAP measures should not be considered as a substitute for results that are presented in a manner consistent with GAAP. These non-GAAP measures are provided to enhance investors' overall understanding of our financial performance.

Unless otherwise indicated, the terms "we," "us," "our" or "Company," or "TD Ameritrade" in this report refer to TD Ameritrade Holding Corporation and its wholly-owned subsidiaries.

Glossary of Terms

In discussing and analyzing our business, we utilize several metrics and other terms that are defined in the following Glossary of Terms. *Italics* indicate other defined terms that appear elsewhere in the Glossary.

Asset-based revenues — Revenues consisting of (1) *bank deposit account fees*, (2) *net interest revenue* and (3) *investment product fees*. The primary factors driving our asset-based revenues are average balances and average rates. Average balances consist primarily of average client bank deposit account balances, average *client margin balances*, average *segregated cash balances*, average *client credit balances*, average *fee-based investment balances* and average *securities borrowing* and *securities lending* balances. Average rates consist of the average interest rates and fees earned and paid on such balances.

Average client trades per day — *Total trades* divided by the number of *trading days* in the period. This metric is also known as *daily average revenue trades ("DARTs")*.

Average commissions per trade — Total commissions and transaction fee revenues as reported on our consolidated financial statements, less *order routing revenue*, divided by *total trades* for the period. *Commissions and transaction fee* revenues primarily consist of trading commissions, *order routing revenue* and markups on riskless principal transactions in fixed-income securities.

Basis point — When referring to interest rates, one basis point represents one one-hundredth of one percent.

Bank deposit account fees — Revenues generated from a sweep program that is offered to eligible clients of the Company whereby clients' uninvested cash is swept to FDIC-insured (up to specified limits) money market deposit accounts at third-party financial institutions participating in the program.

Beneficiary accounts — *Brokerage accounts* managed by a custodian, guardian, conservator or trustee on behalf of one or more beneficiaries. Examples include accounts maintained under the Uniform Gift to Minors Act (UGMA) or Uniform Transfer to Minors Act (UTMA), guardianship, conservatorship and trust arrangements and pension or profit plan for small business accounts.

Brokerage accounts — Accounts maintained by us on behalf of clients for securities brokerage activities. The primary types of brokerage accounts are *cash accounts*, *margin accounts*, *IRA accounts* and *beneficiary accounts*. *Futures accounts* are sub-accounts associated with a brokerage account for clients who want to trade futures and/or options on futures. *Forex accounts* are sub-accounts associated with a brokerage account for clients who want to engage in foreign exchange trading.

Cash accounts — *Brokerage accounts* that do not have *margin account* approval.

Client assets — The total value of cash and securities in *brokerage accounts*.

Client cash and money market assets — The sum of all client cash balances, including *client credit balances* and client cash balances swept into *bank deposit accounts* or money market mutual funds.

Client credit balances — Client cash held in *brokerage accounts*, excluding balances generated by client short sales on which no interest is paid. Interest paid on client credit balances is a reduction of *net interest revenue*. Client credit balances are included in "payable to clients" on our consolidated financial statements.

Client margin balances — The total amount of cash loaned to clients in *margin accounts*. Such loans are secured by client assets. Interest earned on client margin balances is a component of *net interest revenue*. Client margin balances are included in "receivable from clients, net" on our consolidated financial statements.

Commissions and transaction fees — Revenues earned on trading commissions, *order routing revenue* and markups on riskless principal transactions in fixed-income securities. Revenues earned on trading commissions includes client trades in common and preferred stock, ETFs, exchange traded notes, closed-end funds, options, futures, foreign exchange, mutual funds and fixed income securities.

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Consolidated duration — The weighted average remaining years until maturity of our *spread-based assets*. For purposes of this calculation, floating rate balances are treated as having a one-month duration. Consolidated duration is used in analyzing our aggregate interest rate sensitivity.

Daily average revenue trades ("DARTs") — *Total trades* divided by the number of *trading days* in the period. This metric is also known as *average client trades per day*.

EBITDA — EBITDA (earnings before interest, taxes, depreciation and amortization) is a non-GAAP financial measure. We consider EBITDA to be an important measure of our financial performance and of our ability to generate cash flows to service debt, fund capital expenditures and fund other corporate investing and financing activities. EBITDA is used as the denominator in the consolidated leverage ratio calculation for covenant purposes under our senior revolving credit facility. EBITDA eliminates the non-cash effect of tangible asset depreciation and amortization and intangible asset amortization. EBITDA should be considered in addition to, rather than as a substitute for, GAAP pre-tax income, net income and cash flows from operating activities.

Fee-based investment balances — Client assets invested in money market mutual funds, other mutual funds and our programs such as AdvisorDirect,[®] Essential Portfolios, Selective Portfolios and Personalized Portfolios on which we earn fee revenues. Fee revenues earned on these balances are included in *investment product fees* on our consolidated financial statements.

Forex accounts — Sub-accounts maintained by us on behalf of clients for foreign exchange trading. Each forex account must be associated with a *brokerage account*. Forex accounts are not counted separately for purposes of our client account metrics.

Funded accounts — All open client accounts with a total *liquidation value* greater than zero.

Futures accounts — Sub-accounts maintained by us on behalf of clients for trading in futures and/or options on futures. Each futures account must be associated with a *brokerage account*. Futures accounts are not counted separately for purposes of our client account metrics.

Insured Deposit Account — We are party to an Insured Deposit Account ("IDA") agreement with TD Bank USA, N.A. ("TD Bank USA"), TD Bank, N.A. and The Toronto-Dominion Bank ("TD"). Under the IDA agreement, TD Bank USA and TD Bank, N.A. (together, the "TD Depository Institutions") make available to our clients FDIC-insured (up to specified limits) money market deposit accounts as either designated sweep vehicles or as non-sweep deposit accounts. We provide marketing, recordkeeping and support services for the TD Depository Institutions with respect to the money market deposit accounts. In exchange for providing these services, the TD Depository Institutions pay us an aggregate marketing fee based on the weighted average yield earned on the client IDA assets, less the actual interest paid to clients, a servicing fee to the TD Depository Institutions and the cost of FDIC insurance premiums. Fee revenues earned under this agreement are included in *bank deposit account fees* on our consolidated financial statements.

Interest-earning assets — Consist of *client margin balances*, *segregated cash*, deposits paid on *securities borrowing* and other cash and interest-earning investment balances.

Interest rate-sensitive assets — Consist of *spread-based assets* and client cash invested in money market mutual funds.

Investment product fees — Revenues earned on *fee-based investment balances*. Investment product fees consists of fees earned on client assets invested in money market mutual funds, other mutual funds and through investment programs such as AdvisorDirect,[®] Essential Portfolios, Selective Portfolios and Personalized Portfolios. Investment product fees also includes fees earned on client assets managed by independent registered investment advisors utilizing our trading and investing platforms.

IRA accounts (Individual Retirement Arrangements) — A personal trust account for the exclusive benefit of a U.S. individual (or his or her beneficiaries) that provides tax advantages in accumulating funds to save for retirement or other qualified purposes. These accounts are subject to numerous restrictions on additions to and withdrawals from the account, as well as prohibitions against certain investments or transactions conducted within the account. We offer traditional, Roth, Savings Incentive Match Plan for Employees (SIMPLE) and Simplified Employee Pension (SEP) IRA accounts.

Liquid assets — Liquid assets is a non-GAAP financial measure that we consider to be an important measure of our liquidity. Liquid assets may be utilized for general corporate purposes and is defined as the sum of (a) corporate cash

and cash equivalents, (b) corporate investments, less securities sold under agreements to repurchase, and (c) our regulated subsidiaries' net capital in excess of minimum operational targets established by management. Corporate cash and cash equivalents includes cash and cash equivalents from our investment advisory subsidiaries. Liquid assets represents available capital, including any capital from our regulated subsidiaries in excess of established management operational targets. We include the excess capital of our regulated subsidiaries in the calculation of liquid assets, rather than simply including regulated subsidiaries' cash and cash equivalents, because capital requirements may limit the amount of cash available for dividend from the regulated subsidiaries to the parent company. Excess capital, as defined under clause (c) above, is generally available for dividend from the regulated subsidiaries to the parent company. Liquid assets is based on more conservative measures of net capital than regulatory requirements because we generally manage to higher levels of net capital at our regulated subsidiaries than the regulatory thresholds require. Liquid assets should be considered as a supplemental measure of liquidity, rather than as a substitute for GAAP cash and cash equivalents.

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Liquidation value — The net value of a client's account holdings as of the close of a regular trading session. Liquidation value includes client cash and the value of long security positions, less margin balances and the cost to buy back short security positions. It also includes the value of open futures, foreign exchange and options positions.

Margin accounts — *Brokerage accounts* in which clients may borrow from us to buy securities or for any other purpose, subject to regulatory and Company-imposed limitations.

Net interest margin ("NIM") — A measure of the net yield on our average *spread-based assets*. Net interest margin is calculated for a given period by dividing the annualized sum of *bank deposit account* fees and *net interest revenue* by average *spread-based assets*.

Net interest revenue — Net interest revenue is interest revenues less brokerage interest expense. Interest revenues are generated by charges to clients on margin balances maintained in *margin accounts*, the investment of cash from operations and *segregated cash* and interest earned on *securities borrowing/securities lending*. Brokerage interest expense consists of amounts paid or payable to clients based on credit balances maintained in *brokerage accounts* and interest incurred on *securities borrowing/securities lending*. Brokerage interest expense does not include interest on our non-brokerage borrowings.

Net new assets — Consists of total client asset inflows, less total client asset outflows, excluding activity from business combinations. Client asset inflows include interest and dividend payments and exclude changes in *client assets* due to market fluctuations. Net new assets are measured based on the market value of the assets as of the date of the inflows and outflows.

Net new asset growth rate (annualized) — Annualized *net new assets* as a percentage of *client assets* as of the beginning of the period.

Non-GAAP Net Income and Non-GAAP Diluted EPS — Non-GAAP net income and non-GAAP diluted earnings per share ("EPS") are non-GAAP financial measures. We define non-GAAP net income as net income adjusted to remove the after-tax effect of amortization of acquired intangible assets and acquisition-related expenses. We consider non-GAAP net income and non-GAAP diluted EPS as important measures of our financial performance because they exclude certain items that may not be indicative of our core operating results and business outlook and may be useful in evaluating the operating performance of the business and facilitating a meaningful comparison of our results in the current period to those in prior and future periods. Amortization of acquired intangible assets is excluded because management does not believe it is indicative of our underlying business performance. Acquisition-related expenses are excluded as these costs are not representative of the costs of running our on-going business. Non-GAAP net income and non-GAAP diluted EPS should be considered in addition to, rather than as a substitute for, GAAP net income and diluted EPS.

Order routing revenue — Revenues generated from payments or rebates received from market centers. Order routing revenue is a component of *transaction-based revenues*.

Securities borrowing — We borrow securities temporarily from other broker-dealers in connection with our broker-dealer business. We deposit cash as collateral for the securities borrowed, and generally earn interest revenue on the cash deposited with the counterparty. We also incur interest expense for borrowing certain securities.

Securities lending — We loan securities temporarily to other broker-dealers in connection with our broker-dealer business. We receive cash as collateral for the securities loaned, and generally incur interest expense on the cash deposited with us. We also earn revenue for lending certain securities.

Securities sold under agreements to repurchase (repurchase agreements) — We sell securities to counterparties with an agreement to repurchase the same or substantially the same securities at a stated price plus interest on a specified date. We utilize repurchase agreements to finance our short-term liquidity and capital needs. Under these financing transactions, we receive cash from counterparties and provide U.S. Treasury securities as collateral.

Segregated cash — Client cash and investments segregated in compliance with Rule 15c3-3 of the Securities Exchange Act of 1934 (the Customer Protection Rule) and other regulations. Interest earned on segregated cash is a component of *net interest revenue*.

Spread-based assets — Client and brokerage-related asset balances, consisting of *bank deposit account* balances and *interest-earning assets*. Spread-based assets is used in the calculation of our *net interest margin* and our *consolidated duration*.

Total trades — Revenue-generating client securities trades, which are executed by our broker-dealer and FCM/FDM subsidiaries. Total trades are a significant source of our revenues. Such trades include, but are not limited to, trades in equities, options, futures, foreign exchange, mutual funds and debt instruments. Trades generate revenue from commissions, markups on riskless principal transactions in fixed income securities, transaction fees and/or *order routing revenue*.

Trading days — Days in which the U.S. equity markets are open for a full trading session. Reduced exchange trading sessions are treated as half trading days.

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Transaction-based revenues — Revenues generated from client trade execution, consisting primarily of commissions, markups on riskless principal transactions in fixed income securities, transaction clearing fees and *order routing revenue*.

Results of Operations

Conditions in the U.S. equity markets significantly impact the volume of our clients' trading activity. There is a strong relationship between the volume of our clients' trading activity and our results of operations. We cannot predict future trading volumes in the U.S. equity markets. If client trading activity increases, we generally expect that it would have a positive impact on our results of operations. If client trading activity declines, we generally expect that it would have a negative impact on our results of operations.

Changes in average client balances, especially bank deposit account, margin, credit and fee-based investment balances, may significantly impact our results of operations. Changes in interest rates also significantly impact our results of operations. We seek to mitigate interest rate risk by aligning the average duration of our interest-earning assets with that of our interest-bearing liabilities. We cannot predict the direction of interest rates or the levels of client balances. If interest rates rise, we generally expect to earn a larger net interest spread. Conversely, a falling interest rate environment generally would result in us earning a smaller net interest spread.

Financial Performance Metrics

Net income, diluted earnings per share and EBITDA are key metrics we use in evaluating our financial performance. Net income and diluted earnings per share are GAAP financial measures and EBITDA is a non-GAAP financial measure.

We consider EBITDA to be an important measure of our financial performance and of our ability to generate cash flows to service debt, fund capital expenditures and fund other corporate investing and financing activities. EBITDA is used as the denominator in the consolidated leverage ratio calculation for covenant purposes under the TD Ameritrade Holding Corporation senior revolving credit facility. EBITDA eliminates the non-cash effect of tangible asset depreciation and amortization and intangible asset amortization. EBITDA should be considered in addition to, rather than as a substitute for, GAAP pre-tax income, net income and cash flows from operating activities. The following table sets forth net income in dollars and as a percentage of net revenues for the periods indicated, and provides reconciliations to EBITDA (dollars in millions):

	Three months ended March 31,				Six months ended March 31,			
	2019		2018		2019		2018	
	\$	% of Net Revenues	\$	% of Net Revenues	\$	% of Net Revenues	\$	% of Net Revenues
Net income (GAAP)	\$499	34.4 %	\$271	19.2 %	\$1,103	37.2 %	\$568	21.3 %
Add:								
Depreciation and amortization	36	2.5 %	35	2.5 %	71	2.4 %	69	2.6 %
Amortization of acquired intangible assets	31	2.1 %	37	2.6 %	62	2.1 %	75	2.8 %
Interest on borrowings	37	2.5 %	24	1.7 %	70	2.4 %	44	1.6 %
Provision for income taxes	169	11.6 %	101	7.1 %	343	11.6 %	107	4.0 %
EBITDA (non-GAAP)	\$772	53.2 %	\$468	33.1 %	\$1,649	55.6 %	\$863	32.3 %

Three Months Ended March 31, 2019 Compared to Three Months Ended March 31, 2018

Our net income increased 84% for the second quarter of fiscal year 2019 compared to the same period in the prior fiscal year, primarily due to a decrease in operating expenses, an increase in net revenues and the impact of a lower effective income tax rate. These increases were partially offset by an increase in interest on borrowings. The effective income tax rate was lower in the second quarter of fiscal year 2019, primarily due to the impact from the enactment of the Tax Cuts and Jobs Act (the "Act") on December 22, 2017. Detailed analysis of net revenues and expenses is presented later in this discussion.

Our EBITDA increased 65% for the second quarter of fiscal year 2019 compared to the same period in the prior fiscal year, primarily due to a decrease in operating expenses excluding depreciation and amortization and an increase in net revenues.

Our diluted earnings per share increased 85% to \$0.89 for the second quarter of fiscal year 2019 compared to \$0.48 for the second quarter of the prior fiscal year due to higher net income and a 1% decrease in average diluted shares outstanding as a result of our stock repurchase program.

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Our net income increased 94% for the first half of fiscal year 2019 compared to the same period in the prior fiscal year, primarily due to a decrease in operating expenses and an increase in net revenues, partially offset by an increase in the effective tax rate. The effective income tax rate was lower in the same period of the prior fiscal year primarily due to the impact of the Act.

Our EBITDA increased 91% for the first half of fiscal year 2019 compared to the same period in the prior fiscal year, primarily due to a decrease in operating expenses excluding depreciation and amortization and an increase in net revenues.

Our diluted earnings per share increased 96% to \$1.96 for the first half of fiscal year 2019 compared to \$1.00 for the first half of the prior fiscal year due to higher net income and a 1% decrease in average diluted shares outstanding as a result of our stock repurchase program.

Operating Metrics

Our largest sources of revenues are asset-based revenues and transaction-based revenues. For the first half of fiscal year 2019, asset-based revenues and transaction-based revenues accounted for 63% and 35% of our net revenues, respectively. Asset-based revenues consist of (1) bank deposit account fees, (2) net interest revenue and (3) investment product fees. The primary factors driving our asset-based revenues are average balances and average rates. Average balances consist primarily of average client bank deposit account balances, average client margin balances, average segregated cash balances, average client credit balances, average fee-based investment balances and average securities borrowing and lending balances. Average rates consist of the average interest rates and fees earned and paid on such balances. The primary factors driving our transaction-based revenues are total trades and average commissions per trade. We also consider client account and client asset metrics, although we believe they are generally of less significance to our results of operations for any particular period than our metrics for asset-based and transaction-based revenues.

Asset-Based Revenue Metrics

We calculate the return on our bank deposit account balances and our interest-earning assets using a measure we refer to as net interest margin. Net interest margin is calculated for a given period by dividing the annualized sum of bank deposit account fees and net interest revenue by average spread-based assets. Spread-based assets consist of average bank deposit account balances and average interest-earning assets, which include client margin balances, segregated cash, deposits paid on securities borrowing and other cash and interest-earning investment balances. The following table sets forth net interest margin and average spread-based assets (dollars in millions):

	Three months ended March 31,			Six months ended March 31,			Increase/ (Decrease)
	2019	2018	Increase/ (Decrease)	2019	2018	Increase/ (Decrease)	
Average bank deposit account balances	\$ 114,728	\$ 118,305	\$(3,577)	\$ 114,536	\$ 118,707	\$(4,171)	
Average interest-earning assets	31,045	31,960	(915)	30,523	31,789	(1,266)	
Average spread-based balances	\$ 145,773	\$ 150,265	\$(4,492)	\$ 145,059	\$ 150,496	\$(5,437)	
Bank deposit account fee revenue	\$430	\$381	\$49	\$858	\$762	\$96	
Net interest revenue	362	308	54	737	585	152	
Spread-based revenue	\$792	\$689	\$103	\$1,595	\$1,347	\$248	
Avg. annualized yield—bank deposit account fees	1.50	% 1.29	% 0.21	% 1.48	% 1.27	% 0.21	%
Avg. annualized yield— interest-earning assets	4.66	% 3.86	% 0.80	% 4.78	% 3.64	% 1.14	%
Net interest margin (NIM)	2.17	% 1.83	% 0.34	% 2.18	% 1.77	% 0.41	%

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The following tables set forth key metrics that we use in analyzing net interest revenue, which is a component of net interest margin (dollars in millions):

	Interest Revenue (Expense)			Interest Revenue (Expense)		
	Three months ended March 31,		Increase/ (Decrease)	Six months ended March 31,		Increase/ (Decrease)
	2019	2018		2019	2018	
Segregated cash	\$33	\$28	\$ 5	\$48	\$56	\$(8)
Client margin balances	257	213	44	545	404	141
Securities lending/borrowing, net	49	61	(12)	103	114	(11)
Other cash and interest-earning investments	25	8	17	45	15	30
Client credit balances	(2)	(2)	—	(4)	(4)	—
Net interest revenue	\$362	\$308	\$ 54	\$737	\$585	\$ 152
	Average Balance			Average Balance		
	Three months ended March 31,		%	Six months ended March 31,		%
	2019	2018		2019	2018	
Segregated cash	\$5,814	\$8,668	(33)%	\$4,336	\$9,291	(53)%
Client margin balances	19,440	19,142	2 %	20,804	18,339	13 %
Securities borrowing	902	864	4 %	762	1,010	(25)%
Other cash and interest-earning investments	4,889	3,286	49 %	4,621	3,149	47 %
Interest-earning assets	\$31,045	\$31,960	(3)%	\$30,523	\$31,789	(4)%
Client credit balances	\$19,190	\$21,489	(11)%	\$19,261	\$21,448	(10)%
Securities lending	2,272	2,826	(20)%	2,496	2,732	(9)%
Interest-bearing liabilities	\$21,462	\$24,315	(12)%	\$21,757	\$24,180	(10)%
	Avg. Annualized Yield (Cost)			Avg. Annualized Yield (Cost)		
	Three months ended March 31,		Net Yield Increase/ (Decrease)	Six months ended March 31,		Net Yield Increase/ (Decrease)
	2019	2018		2019	2018	
Segregated cash	2.26 %	1.31 %	0.95 %	2.18 %	1.19 %	0.99 %
Client margin balances	5.28 %	4.45 %	0.83 %	5.19 %	4.35 %	0.84 %
Other cash and interest-earning investments	2.03 %	1.03 %	1.00 %	1.94 %	0.93 %	1.01 %
Client credit balances	(0.05)%	(0.04)%	(0.01)%	(0.04)%	(0.03)%	(0.01)%
Net interest revenue	4.66 %	3.86 %	0.80 %	4.78 %	3.64 %	1.14 %

The following table sets forth key metrics that we use in analyzing investment product fee revenues (dollars in millions):

	Three months ended March 31,		Increase / (Decrease)	Six months ended March 31,		Increase / (Decrease)
	2019	2018		2019	2018	
Average fee-based investment balances	\$273,702	\$251,686	\$22,016	\$268,614	\$240,699	\$27,915
Average annualized yield—investment product fees	0.20	% 0.22	% (0.02)%	0.21	% 0.23	% (0.02)%
Investment product fee revenue	\$137	\$141	\$(4)	\$280	\$274	\$6

Table of Contents**Transaction-Based Revenue Metrics**

The following table sets forth several key metrics regarding client trading activity, which we utilize in measuring and evaluating performance and the results of our operations:

	Three months ended		% Change	Six months ended		% Change
	March 31, 2019	March 31, 2018		March 31, 2019	March 31, 2018	
Total trades (in millions)	52.48	57.53	(9)%	110.01	102.93	7%
Average client trades per day	860,359	43,058	(9)%	894,378	33,432	7%
Trading days	61.0	61.0	0%	123.0	123.5	0%
Average commissions per trade	\$7.01	\$7.50	(7)%	\$7.05	\$7.52	(6)%
Order routing revenue (in millions)	\$119	\$125	(5)%	\$248	\$222	12%

Client Account and Client Asset Metrics

The following table sets forth certain metrics regarding client accounts and client assets, which we use to analyze growth and trends in our client base:

	Three months ended		% Change	Six months ended		% Change
	March 31, 2019	March 31, 2018		March 31, 2019	March 31, 2018	
Funded accounts (beginning of period)	11,630,000	11,129,000	5%	11,514,000	11,004,000	5%
Funded accounts (end of period)	11,763,000	11,266,000	4%	11,763,000	11,266,000	4%
Percentage change during period	1	% 1	%	2	% 2	%
Client assets (beginning of period, in billions)	\$1,161.6	\$1,178.8	(1)%	\$1,297.5	\$1,118.5	16%
Client assets (end of period, in billions)	\$1,297.1	\$1,185.7	9%	\$1,297.1	\$1,185.7	9%
Percentage change during period	12	% 1	%	0	% 6	%
Net new assets (in billions)	\$19.6	\$22.2	(12)%	\$51.5	\$48.6	6%
Net new assets annualized growth rate	7	% 8	%	8	% 9	%

Table of Contents**Condensed Consolidated Statements of Income Data**

The following table summarizes certain data from our Condensed Consolidated Statements of Income for analysis purposes (dollars in millions):

	Three months ended March 31,			Six months ended March 31,		
	2019	2018	% Change	2019	2018	% Change
Revenues:						
Transaction-based revenues:						
Commissions and transaction fees	\$487	\$556	(12)%	\$1,024	\$996	3 %
Asset-based revenues:						
Bank deposit account fees	430	381	13 %	858	762	13 %
Net interest revenue	362	308	18 %	737	585	26 %
Investment product fees	137	141	(3)%	280	274	2 %
Total asset-based revenues	929	830	12 %	1,875	1,621	16 %
Other revenues	35	29	21 %	68	55	24 %
Net revenues	1,451	1,415	3 %	2,967	2,672	11 %
Operating expenses:						
Employee compensation and benefits	340	461	(26)%	657	875	(25)%
Clearing and execution costs	53	56	(5)%	102	103	(1)%
Communications	38	46				