

The Depository Trust & Clearing Corporation

Condensed Consolidated Financial Statements
as of September 30, 2018 and December 31, 2017 and for the
three and nine months ended September 30, 2018 and 2017

THE DEPOSITORY TRUST & CLEARING CORPORATION

TABLE OF CONTENTS

	Page
CONDENSED CONSOLIDATED FINANCIAL STATEMENTS AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017:	
Statements of Financial Condition	1
Statements of Income	2
Statements of Comprehensive Income	3
Statements of Changes in Shareholders' Equity	4
Statements of Cash Flows	5
Notes to Condensed Consolidated Financial Statements	6 - 31

THE DEPOSITORY TRUST & CLEARING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF FINANCIAL CONDITION (UNAUDITED)

<u>(In thousands, except share data)</u>	<u>As of September 30,</u> <u>2018</u>	<u>As of December 31,</u> <u>2017</u>
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 8,373,786	\$ 5,075,318
Participants' segregated cash	151,459	20,120
Accounts receivable - net of allowance for doubtful accounts of \$384 and \$205 as of September 30, 2018 and December 31, 2017, respectively	168,018	174,456
Participants' and Clearing Funds	33,465,835	27,015,465
Other Participants' assets	1,252,820	868,036
Other current assets	110,755	101,654
Total current assets	<u>43,522,673</u>	<u>33,255,049</u>
NON-CURRENT ASSETS:		
Premises and equipment - net of accumulated depreciation of \$413,804 and \$394,039 as of September 30, 2018 and December 31, 2017, respectively	209,656	233,835
Goodwill	57,699	57,699
Intangible assets - net of accumulated amortization of \$820,517 and \$740,942 as of September 30, 2018 and December 31, 2017, respectively	330,794	338,359
Equity method investments	10,502	10,394
Other non-current assets	356,911	353,836
Total non-current assets	<u>965,562</u>	<u>994,123</u>
TOTAL ASSETS	<u>\$ 44,488,235</u>	<u>\$ 34,249,172</u>
LIABILITIES AND SHAREHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Commercial paper - net of unamortized discount of \$27,216 and \$3,371 as of September 30, 2018 and December 31, 2017, respectively	\$ 6,422,338	\$ 3,222,571
Current portion of long-term debt	2,650	7,877
Current portion of pension and postretirement benefits	21,337	21,337
Accounts payable and accrued expenses	107,181	118,345
Participants' and Clearing Funds	33,465,835	27,015,465
Payable to Participants	1,404,279	888,156
Other current liabilities	200,774	249,929
Total current liabilities	<u>41,624,394</u>	<u>31,523,680</u>
NON-CURRENT LIABILITIES:		
Non-current portion of long-term debt	34,450	36,375
Non-current portion of pension and postretirement benefits	239,591	291,208
Other non-current liabilities	344,190	370,242
Total non-current liabilities	<u>618,231</u>	<u>697,825</u>
Total liabilities	<u>42,242,625</u>	<u>32,221,505</u>
COMMITMENTS AND CONTINGENCIES (Note 17)		
SHAREHOLDERS' EQUITY		
Preferred stock:		
Series A, \$0.50 par value - 10,000 shares authorized, issued (above par), and outstanding	300	300
Series B, \$0.50 par value - 10,000 shares authorized, issued (above par), and outstanding	300	300
Series C, \$0.50 par value - 1,600 shares authorized, issued (above par), and outstanding	390,516	390,516
Common stock, \$100 par value - 80,000 shares authorized, 50,908 shares issued and outstanding	5,091	5,091
Paid-in capital	411,065	411,065
Retained earnings	1,485,228	1,261,309
Accumulated other comprehensive loss, net of tax	(195,330)	(189,354)
Non-controlling interests	148,440	148,440
Total shareholders' equity	<u>2,245,610</u>	<u>2,027,667</u>
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	<u>\$ 44,488,235</u>	<u>\$ 34,249,172</u>

The Notes to Condensed Consolidated Financial Statements are an integral part of these statements.

THE DEPOSITORY TRUST & CLEARING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF INCOME (UNADITED)

(In thousands)	For the three months ended September 30,		For the nine months ended September 30,	
	2018	2017	2018	2017
REVENUES				
Settlement and asset services	\$ 110,712	\$ 111,211	\$ 340,565	\$ 331,868
Clearing services	141,707	130,218	448,617	392,631
Matching and data services	67,149	65,173	206,308	199,866
Repository services	70,225	68,975	213,413	205,852
Wealth management services	27,406	26,811	83,868	81,717
Other services	10,297	10,129	33,033	39,433
Investment income	4,555	2,951	4,975	10,836
Total revenues	<u>432,051</u>	<u>415,468</u>	<u>1,330,779</u>	<u>1,262,203</u>
EXPENSES				
Employee compensation and related benefits	159,749	154,408	502,542	484,522
Information technology	40,584	38,439	117,890	116,190
Professional and other services	89,109	80,338	267,046	242,158
Occupancy	11,795	10,174	35,223	32,408
Depreciation and amortization	38,542	43,518	121,785	135,447
General and administrative	8,256	8,868	28,455	24,230
Impairment of Intangible assets	—	14,788	—	14,788
Total expenses	<u>348,035</u>	<u>348,533</u>	<u>1,072,941</u>	<u>1,049,743</u>
Total operating income	<u>84,016</u>	<u>66,935</u>	<u>257,838</u>	<u>212,460</u>
NON-OPERATING INCOME (EXPENSE)				
Interest income	117,439	61,539	313,247	148,622
Refunds to Participants	(80,240)	(46,480)	(229,627)	(114,631)
Interest expense	(42,064)	(20,096)	(97,890)	(55,662)
Impairment of Equity method investments	—	(9,881)	—	(9,881)
Net income (loss) from Equity method investments	123	(2,206)	(4,543)	(4,267)
Other non-operating income	8,706	7,520	33,931	70,400
Total non-operating income (expense)	<u>3,964</u>	<u>(9,604)</u>	<u>15,118</u>	<u>34,581</u>
Income before taxes	87,980	57,331	272,956	247,041
Provision (benefit) for income taxes	(9,884)	16,755	39,287	55,484
Net income	<u>97,864</u>	<u>40,576</u>	<u>233,669</u>	<u>191,557</u>
Net income attributable to non-controlling interests	—	—	—	13,342
Net income attributable to DTCC	<u>\$ 97,864</u>	<u>\$ 40,576</u>	<u>\$ 233,669</u>	<u>\$ 178,215</u>

The Notes to Condensed Consolidated Financial Statements are an integral part of these statements.

THE DEPOSITORY TRUST & CLEARING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (UNAUDITED)

<u>(In thousands)</u>	For the three months ended September 30,		For the nine months ended September 30,	
	2018	2017	2018	2017
Net income	\$ 97,864	\$ 40,576	\$ 233,669	\$ 191,557
OTHER COMPREHENSIVE INCOME (LOSS) - Net of tax:				
Foreign currency translation	(652)	1,610	(5,976)	(783)
Other comprehensive income (loss)	(652)	1,610	(5,976)	(783)
Comprehensive income	97,212	42,186	227,693	190,774
Comprehensive income attributable to non-controlling interests	—	—	—	13,342
Comprehensive income attributable to DTCC	\$ 97,212	\$ 42,186	\$ 227,693	\$ 177,432

The Notes to Condensed Consolidated Financial Statements are an integral part of these statements.

THE DEPOSITORY TRUST & CLEARING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY (UNAUDITED)

(In thousands)	Preferred Stock			Common Stock	Paid-In Capital	Retained Earnings	Accumulated Other Comprehensive Income (Loss), Net of Tax			Total Shareholders' Equity
	Series A	Series B	Series C				Defined Benefit Pension and Other Plans	Foreign Currency Translation	Non- controlling Interests	
BALANCE - January 1, 2017	\$ 300	\$ 300	\$ 390,516	\$ 5,091	\$ 411,065	\$ 1,115,917	\$ (159,646)	\$ (1,683)	\$ 144,748	\$ 1,906,608
Net income	—	—	—	—	—	164,892	—	—	13,342	178,234
Other comprehensive (loss) income	—	—	—	—	—	—	(29,279)	1,254	—	(28,025)
Business disposition	—	—	—	—	—	—	—	—	(8,570)	(8,570)
Dividend to non-controlling interest	—	—	—	—	—	—	—	—	(1,080)	(1,080)
Dividends on preferred stock	—	—	—	—	—	(19,500)	—	—	—	(19,500)
BALANCE - December 31, 2017	300	300	390,516	5,091	411,065	1,261,309	(188,925)	(429)	148,440	2,027,667
Net income	—	—	—	—	—	233,669	—	—	—	233,669
Other comprehensive loss	—	—	—	—	—	—	—	(5,976)	—	(5,976)
Dividend on preferred stock	—	—	—	—	—	(9,750)	—	—	—	(9,750)
BALANCE - September 30, 2018	\$ 300	\$ 300	\$ 390,516	\$ 5,091	\$ 411,065	\$ 1,485,228	\$ (188,925)	\$ (6,405)	\$ 148,440	\$ 2,245,610

The Notes to Condensed Consolidated Financial Statements are an integral part of these statements.

THE DEPOSITORY TRUST & CLEARING CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)

(In thousands)	For the nine months ended September 30,	
	2018	2017
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net income	\$ 233,669	\$ 191,557
Adjustments to reconcile net income to net cash provided by/(used in) operating activities:		
Depreciation and amortization	121,785	135,447
Loss on impairment of Intangible assets	—	14,788
Net (gain)/loss on disposal of Premises and equipment and Intangible assets	(1,828)	743
Loss on impairment of Equity method investments	—	9,881
Net (gain)/loss from Equity method investments	4,543	4,267
Deferred income taxes	17,194	(24,614)
Gain on business dispositions	—	(47,001)
Other	6,918	(13)
Net change (excluding the effects of business dispositions) in:		
Accounts receivable	4,053	28,354
Other Participants' assets	2,044	791
Other assets	(20,315)	(14,956)
Accounts payable and accrued expenses	(10,407)	(460)
Pension and postretirement benefits	(51,617)	(31,105)
Other liabilities	(76,431)	(21,166)
Participants' and Clearing Funds liabilities, net	(60,444)	(971,429)
Payable to Participants	516,123	1,511,603
Net cash provided by/(used in) operating activities	<u>685,287</u>	<u>786,687</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Sale/(Purchase) of securities under Reverse repurchase agreements	—	100,000
Maturities of Investments in marketable securities	83,600	50,000
Purchases of Investments in marketable securities	(58,600)	(50,000)
Purchases of Premises and equipment	(20,353)	(30,364)
Purchases of Intangible assets	(71,500)	(65,035)
Investment in Equity method investments	(5,000)	(10,000)
Purchase of equity investments	(1,104)	—
Proceeds from disposition of businesses, net of Cash and cash equivalents sold	—	23,096
Net cash provided by/(used in) investing activities	<u>(72,957)</u>	<u>17,697</u>
CASH FLOWS FROM FINANCING ACTIVITIES:		
Change in Commercial paper, net	3,185,170	544,824
Repayments on long-term debt and other borrowings	(3,512)	(18,161)
Preferred stock dividend payments	(9,750)	(9,750)
Payment to Non-controlling interests	(1,080)	(480)
Net cash provided by/(used in) financing activities	<u>3,170,828</u>	<u>516,433</u>
Effect of foreign exchange rate changes on Cash and cash equivalents	<u>(1,967)</u>	<u>4,782</u>
Net increase/(decrease) in Cash and cash equivalents, Participants' segregated cash, Participants' and Clearing Funds cash deposits, Cash in Other Participants' assets	3,781,191	1,325,599
Cash and cash equivalents, Participants' segregated cash, Participants' and Clearing Funds cash deposits, Cash in Other Participants' assets - Beginning of period	<u>20,268,842</u>	<u>20,617,562</u>
Cash and cash equivalents, Participants' segregated cash, Participants' and Clearing Funds cash deposits, Cash in Other Participants' assets - End of period	<u>\$ 24,050,033</u>	<u>\$ 21,943,161</u>
SUPPLEMENTAL DISCLOSURES:		
Cash interest paid	<u>\$ 51,953</u>	<u>\$ 21,556</u>
Cash income taxes paid - net of refunds	<u>\$ 65,848</u>	<u>\$ 45,053</u>
Non-cash financing activity - capital lease obligation	<u>\$ 3,640</u>	<u>\$ —</u>

The Notes to Condensed Consolidated Financial Statements are an integral part of these statements.

1. BUSINESS AND OWNERSHIP

The Depository Trust & Clearing Corporation (DTCC) is the parent company of various operating subsidiaries, including, but not limited to, The Depository Trust Company (DTC), National Securities Clearing Corporation (NSCC), Fixed Income Clearing Corporation (FICC), DTCC ITP LLC (ITP), DTCC Deriv/SERV LLC (Deriv/SERV), DTCC Solutions LLC (Solutions), Business Entity Data, B.V. (GMEI); collectively, the “Company” or “Companies.”

Subsidiaries

DTC is a limited purpose trust company formed under the Banking Law of New York State and supervised by the New York State Department of Financial Services (NYSDFS); a State member bank of the Federal Reserve System (FRS), subject to examination by the Federal Reserve Bank of New York (FRBNY) under delegated authority from the Board of Governors (the FRB) of the FRS; and a clearing agency registered with and under the supervision of the U.S. Securities and Exchange Commission (SEC). DTC provides central securities depository, settlement and related services to members of the securities, banking and financial services industries.

NSCC is organized as a business corporation under New York law, and is a clearing agency registered with the SEC. NSCC provides clearing, settlement, risk management, and central counterparty (CCP) services to its members for broker-to-broker trades involving equities, corporate and municipal debt, exchange-traded funds, and unit investment trusts.

FICC is a clearing agency registered with the SEC that provides CCP services to members that participate in the U.S. government and mortgage-backed securities markets, consisting principally of automated real-time trade comparison, netting, clearance, settlement, trade confirmation, risk management and electronic pool notification. FICC has two divisions: the Government Securities Division (GSD) and the Mortgage-Backed Securities Division (MBSD).

DTC, NSCC and FICC are designated as Systemically Important Financial Market Utilities (SIFMUs) by the U.S. Financial Stability Oversight Council pursuant to Title VIII of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. This designation subjects the clearing agencies to enhanced standards for operation and governance, as established by the SEC's Standards for Covered Clearing Agencies (CCAS).

The members of DTCC's clearing agencies are collectively referred to as Participants.

ITP, formerly known as Omgeo LLC, provides post-trade matching, processing and other related services, primarily to members of the financial community.

Deriv/SERV, through its subsidiaries and affiliates, enhances transparency and provides operational efficiency for the derivatives market. Its trade repository system supports a multitude of data submissions, including real-time price reporting, transaction details, confirmation records and valuation data.

Solutions provides information-based and business processing solutions to financial intermediaries globally.

GMEI utility is DTCC's Legal Entity Identifier (LEI) solution offered in collaboration with Society for Worldwide Interbank Financial Telecommunication (SWIFT) and a consortium of 14 global financial services organizations, led by the Global Financial Markets Association (GFMA), to meet the requirements across all asset classes. GMEI is designed to create and apply a single, universal standard identifier to any organization or firm involved in a financial transaction globally.

2. BASIS OF PRESENTATION AND USE OF ESTIMATES

Basis of presentation. The accompanying Condensed Consolidated Financial Statements are prepared in accordance with generally accepted accounting principles in the United States of America (U.S. GAAP). The accompanying interim financial statements have not been audited. These accompanying interim financial statements do not include all of the information and notes required by U.S. GAAP for complete financial statements and should be read in conjunction with DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, which are located on the Company's website at <http://www.dtcc.com/legal/financial-statements>. See Note 2 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for additional information on the Company's Summary of Significant Accounting Policies.

The Condensed Consolidated Financial Statements reflect all adjustments of a normal recurring nature that are, in the opinion of management, necessary for the fair presentation of the results for the interim period. The results of operations for interim periods are not necessarily indicative of results for the entire year. The Condensed Consolidated Financial Statements include the accounts of the Company and its wholly-owned subsidiaries. Intercompany accounts and transactions have been eliminated in consolidation.

The Company reclassified prior period amounts related to Refunds to Participants and certain components of net periodic benefit expense (income) to conform to the current year presentation. See below and Note 3 for additional information.

Use of estimates. The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the Condensed Consolidated Financial Statements. Management makes estimates regarding, among other things, the collectability of receivables, the outcome of litigation, the realization of deferred taxes, unrecognized tax benefits, impairment of intangible assets, fair value measurements and other matters that affect the reported amounts. Estimates are based on judgment and available information; therefore, actual results could differ materially from those estimates.

Revenue recognition. On January 1, 2018, the Company adopted Accounting Standards Update (ASU) 2014-09, *Revenue from Contracts with Customers* under the full retrospective method of adoption. See Note 3 for additional information.

The Company recognizes revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. To achieve that principle, the Company applies the following steps: identify the contract(s) with the customer, identify the performance obligations in the contract(s), determine the transaction price, allocate the transaction price to the performance obligations in the contract and recognize revenue when (or as) the entity satisfies a performance obligation.

The Company enters into contracts that can include various services, in which each service, an explicit promise, is generally distinct and accounted for as separate performance obligations. Certain promised services are substantially the same and have the same pattern of transfer to the customer and therefore are considered as a series of services.

The Company recognizes revenue from contracts with customers as performance obligations are satisfied when promised services are transferred to the customer. The majority of the promised services and related performance obligations are recognized at the point in time when the control of the promised service is transferred to the customer. The amount of revenue recognized reflects the consideration the Company expects to be entitled to for transferring the promised services to the customer. For certain contracts with customers, the consideration in which the Company expects to be entitled to in exchange for transferring promised service to a customer consists of variable consideration. The variable consideration primarily relates to volume based discounts or rebates for certain services, however, the volume targets or thresholds typically reset on a monthly basis therefore, the variable consideration does not have an impact on the revenue recognition.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

The Company derives its revenue from transaction fees, subscription and support services, professional services, and other services. Revenue from transaction fees is recognized at a point in time on the transaction date, as the customer obtains the control and benefit of the service at that point. Subscription and support revenues are recognized ratably over the performance period of the relevant contract using a time elapsed measure of progress as the customer receives the benefits of the services throughout the term of the contract. Professional services and other revenues, when sold with subscription and support offerings, are accounted for separately when these services have value to the customer on a standalone basis and are recognized as the performance obligation is satisfied and control of the service is transferred to the customer, otherwise they are recognized ratably over the contract term. Other services, which represents fees generated from offering referential based data and business processing solutions to financial institutions globally, is recognized when services are provided based on contractual terms. The Company typically bills its customers 30 days in arrears.

Revenue streams

Details for each revenue stream presented in the Company's Condensed Consolidated Statements of Income follow:

Settlement and asset services. DTC provides settlement services for equity, corporate and municipal debt trades and money market instruments in the U.S. The payment and transfer of securities ownership occurs at DTC, which provides custody and asset servicing for securities. Asset services include underwriting, corporate actions processing, securities processing, global tax services and issuer services.

Clearing services. The Company's subsidiaries, NSCC and FICC, deliver clearing services across the U.S. equities and fixed income markets. Clearing services include continuous net settlement, mortgage backed securities clearing, and government securities clearing.

Matching and data services. DTCC's Institutional Trade Processing (ITP) service provides trade processing solutions combined with DTCC's global solution for LEIs and its settlement capabilities with pre-trade and matching services. ITP offers buy-side, sell-side, and custodian firms an end-to-end straight-through-processing solution for their trading activity. Matching and data services include trade enrichment, trade agreement, and data analytics.

Repository services. The Global Trade Repository service supports data submissions including real-time price reporting, transaction details, confirmation records and valuation data. The Trade Information Warehouse's Trade Reporting Repository enables regulators and market participants to view the market's overall risk exposure to over-the-counter (OTC) credit derivatives instruments by operating and maintaining the centralized, electronic database for credit default swap contracts outstanding in the global marketplace. Repository services include OTC derivatives reporting and trade reporting.

Wealth management services. NSCC provides wealth management services which include mutual fund, alternative investment, and insurance and retirement services. These businesses drive centralized, automated processing and information services. Wealth management services enable seamless, end-to-end communications with broker/dealers and other distribution partners for funds, asset managers and insurance companies and their service providers.

Other services. DTCC Data Services offers referential and activity-based data, delivered in fixed or configurable formats, sourced from DTCC's transaction, reference, position and asset servicing data covering major asset classes. Other services include data on market and benchmark analytics, announcement, liquidity, and security reference.

Accounts receivable and deferred revenue

The period in which the Company recognizes revenue may differ from the timing of payments received from customers. The Company records a receivable when revenue is recognized prior to payment and there is an unconditional right to payment. See Note 6, Due from Participants and customers for services, net, for the Company's receivables related to revenues from contracts with customers. Alternatively, when payment precedes the provision of the related services, the Company records deferred revenue until the performance obligations are satisfied. Deferred revenue represents the Company's contract liabilities related to billings or payments received in advance for subscription and support services, as well as professional service fees, where the performance obligation has not yet been satisfied. Deferred revenue was \$13,378,000 and \$16,612,000 at September 30, 2018 and December 31, 2017, respectively, and is included in Other current liabilities on the accompanying Condensed Consolidated Statements of Financial Condition.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Impacts to previously reported results

The impact of the new revenue recognition standard on the Company's previously reported results for the three and nine months ended September 30, 2017 follows (in thousands):

	For the three months ended September 30, 2017			For the nine months ended September 30, 2017		
	As Previously Reported	New Revenue Standard Adjustment	As Restated	As Previously Reported	New Revenue Standard Adjustment	As Restated
Interest income	\$ 40,535	\$ 21,004	\$ 61,539	\$ 96,549	\$ 52,073	\$ 148,622
Refunds to Participants	(25,476)	(21,004)	(46,480)	(62,558)	(52,073)	(114,631)

Restricted cash. As a result of the adoption of ASU 2016-18, *Statement of Cash Flows: Restricted Cash* under the full retrospective method of adoption, (see Note 3), the Company has reported the cash and cash equivalents related to Participants' segregated cash, Participants' and Clearing Funds cash deposits, Other Participants' assets within the beginning and ending balances of Cash and cash equivalents, Participants' segregated cash, Participants' and Clearing Funds cash deposits, Other Participants' assets on the accompanying Condensed Consolidated Statements of Cash Flows.

A reconciliation of Cash and cash equivalents, Participants' segregated cash, Clearing Fund cash deposits, Cash in Other Participants' assets, reported within the accompanying Condensed Consolidated Statements of Financial Condition that sum to the total of the same such amounts shown on the accompanying Condensed Consolidated Statements of Cash Flows as of September 30, 2018 and December 31, 2017 follows (in thousands):

	2018	2017
Cash and cash equivalents	\$ 8,373,786	\$ 5,075,318
Participants' segregated cash	151,459	20,120
Participants' and Clearing Funds cash deposits	14,277,076	14,312,520
Cash in Other Participants' assets	1,247,712	860,884
Total Cash and cash equivalents, Participants' segregated cash, Participants' and Clearing Funds cash deposits, Cash in Other Participants' assets shown on the Condensed Consolidated Statements of Cash Flows	<u>\$ 24,050,033</u>	<u>\$ 20,268,842</u>

Net cash provided by operating activities of approximately \$685 million is primarily driven by the change in Participants' and Clearing Funds liabilities and Payable to Participants.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Impacts to previously reported results

The impact of the new cash flows standard on the Company's previously reported results for the nine months ended September 30, 2017 follows (in thousands):

	As Previously Reported	New Restricted Cash Standard Adjustment	As Restated
CASH FLOWS FROM OPERATING ACTIVITIES			
Other Participants' assets	\$ (1,513,284)	\$ 1,514,075	\$ 791
Participants' and Clearing Funds liabilities, net	—	(971,429)	(971,429)
Net cash provided by/(used in) operating activities	244,041	542,646	786,687
CASH FLOWS FROM INVESTING ACTIVITIES			
Change in Participants' segregated cash	\$ 1,681	\$ (1,681)	\$ —
Net cash provided by/(used in) investing activities	19,378	(1,681)	17,697

Retirement benefits. On January 1, 2018, the Company adopted ASU 2017-06, *Compensation: Retirement Benefits* under the retrospective method of adoption. See Note 3 for additional information.

Impacts to previously reported results

The impact of the new retirement benefits standard on the Company's previously reported results for the three and nine months ended September 30, 2017 follows (in thousands):

	For the three months ended September 30, 2017			For the nine months ended September 30, 2017		
	As Previously Reported	New Retirement Benefits Standard Adjustment	As Restated	As Previously Reported	New Retirement Benefits Standard Adjustment	As Restated
Employee compensation and related benefits	\$ 155,629	\$ (1,221)	\$ 154,408	\$ 488,183	\$ (3,661)	\$ 484,522
Interest expense	(10,052)	(10,044)	(20,096)	(25,532)	(30,130)	(55,662)
Other non-operating income	(1,303)	8,823	7,520	43,931	26,469	70,400

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

3. ACCOUNTING AND REPORTING DEVELOPMENTS

See Note 3 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for additional information on the Company's Accounting and Reporting Developments.

Standard	Description	Impact on the financial statements or other significant matters
<i>Financial Accounting Standards Board Standard Issued, but not yet Adopted</i>		
ASU 2018-14 Changes to the Disclosure Requirements for Defined Benefit Plans <i>Issued August 2018</i>	<ul style="list-style-type: none"> Eliminates requirements for certain disclosures that are no longer considered cost beneficial and requires new ones that the FASB considers pertinent. 	<ul style="list-style-type: none"> Effective January 1, 2021. The Company is evaluating the impact on related disclosures in its Consolidated Financial Statements.
ASU 2018-15 Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement (CCA) That Is a Service Contract <i>Issued August 2018</i>	<ul style="list-style-type: none"> Implementation costs incurred by customers in CCA that is a service contract are deferred if they would be capitalized by customers in software licensing arrangements under the internal-use software guidance. 	<ul style="list-style-type: none"> Effective January 1, 2020. The Company is evaluating the impact on its Consolidated Financial Statements and related disclosures.
ASU 2018-13 Changes to the Disclosure Requirements for Fair Value Measurement <i>Issued August 2018</i>	<ul style="list-style-type: none"> Entities will no longer be required to disclose the amount of and reasons for transfers between Level 1 and Level 2 of the fair value hierarchy. Public companies will be required to disclose the range and weighted average used to develop significant unobservable inputs for Level 3 fair value measurements. Modifies certain disclosure requirements for nonpublic entities to make them less burdensome. 	<ul style="list-style-type: none"> Effective January 1, 2020. The Company is evaluating the impact on related disclosures in its Consolidated Financial Statements.
ASU 2018-02 Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income <i>Issued February 2018</i>	<ul style="list-style-type: none"> Allows companies to reclassify the stranded tax effects associated with the enactment of the U.S. Tax Cuts and Jobs Act of 2017 (Tax Act) from Accumulated Other Comprehensive Income to Retained Earnings. In the period of adoption, companies must disclose whether or not such an election was made and a description of the tax effects that are reclassified, if any. May be applied either in the period of adoption or retrospectively to the period in which the tax effects associated with the Tax Act are recognized. 	<ul style="list-style-type: none"> Effective January 1, 2019. The Company is evaluating the impact on its Consolidated Financial Statements and related disclosures.

Standard	Description	Impact on the financial statements or other significant matters
<i>Financial Accounting Standards Board Standard Issued, but not yet Adopted (Continued)</i>		
ASU 2016-02 Leases <i>Issued February 2016</i>	<ul style="list-style-type: none"> • Requires a lessee to recognize leases with terms of longer than 12 months within balance sheet assets and liabilities. • Changes the recognition measurement and presentation of expenses and cash flows arising from a lease depending on its classification as a financing or operating leases as determined by the lessee. • Lessor accounting will remain largely unchanged from current GAAP. Leases of fewer than 12 months are exempt from the updated standard. 	<ul style="list-style-type: none"> • Effective January 1, 2019. • The Company is in the process of its implementation which includes evaluating its leasing activities and certain contracts for embedded leases and updating processes and internal controls for its leasing activities. • As a lessee, the Company is developing its estimate of the right-of-use asset and lease liability, which is based on the present value of lease payments; however, the population of contracts subject to balance sheet recognition and their initial measurement remains under evaluation and final financial statement impacts will depend on the lease portfolio at the time of adoption.

Standard	Description	Impact on the financial statements or other significant matters
<i>Recently Adopted Accounting Standards</i>		
ASU 2017-07 Compensation - Retirement Benefits <i>Issued March 2017</i>	<ul style="list-style-type: none"> • Requires the service cost component of net periodic pension and postretirement benefit cost to be reported separately in the Company's Condensed Consolidated Statements of Income. • Requires retrospective application and presentation in the Condensed Consolidated Statements of Income. • Requires the service cost component in the same line item as other employee compensation costs and presentation of the other components in a different line item from the service cost component. 	<ul style="list-style-type: none"> • Adopted January 1, 2018. • The adoption of the standard did not change the Company's Consolidated Net Income, but required the Company to reclassify other components of net periodic pension cost from Total operating income to Total non-operating income (expense). The service cost component is presented in Employee compensation and related benefits, the interest cost component is presented in Interest expense, and all other components of net periodic pension cost are presented in Other non-operating income (expense) in the accompanying Condensed Consolidated Statements of Income. See Note 2 for additional information.

Standard	Description	Impact on the financial statements or other significant matters
<i>Recently Adopted Accounting Standards (Continued)</i>		
ASU 2016-18 Statement of Cash Flows - Restricted Cash <i>Issued November 2016</i>	<ul style="list-style-type: none"> • Requires inclusion of restricted cash in the cash and cash equivalents balances in the Condensed Consolidated Statements of Cash Flows. • Requires additional disclosures to supplement the Condensed Consolidated Statements of Cash Flows. • Requires retrospective application to all periods presented. 	<ul style="list-style-type: none"> • Adopted April 1, 2018. • The Company adopted the new restricted cash standard under the retrospective method of adoption. • The adoption of the standard did not change the Company's Condensed Consolidated Statements of Financial Condition or Statements of Income; however, it resulted in a presentation change related to the Condensed Consolidated Statements of Cash Flows by broadening the definition of cash and cash equivalents to include items that are not on the balance sheet's cash line, e.g., Participants' segregated cash, Participants' and Clearing Funds cash deposits and Cash in Other Participants' assets. See Note 2 for additional information.
ASU 2016-01 Recognition and Measurement of Financial Assets and Financial Liabilities <i>Issued January 2016</i>	<ul style="list-style-type: none"> • Requires the fair value measurement of unconsolidated equity investments, except those accounted for under the equity method. • Requires measurement of these investments at the end of each reporting period and recognition of the changes in fair value in net income. • Will no longer be able to recognize unrealized gains and losses on equity securities classified as available-for-sale in other comprehensive income. • Requires a modified retrospective approach but specifies prospective transition for equity investments without a readily determinable fair value. 	<ul style="list-style-type: none"> • Adopted January 1, 2018. • The Company adopted the standard under the prospective transition method of adoption. • The adoption of the standard did not have a material impact on the accompanying Condensed Consolidated Financial Statements.

Standard	Description	Impact on the financial statements or other significant matters
<i>Recently Adopted Accounting Standards (Continued)</i>		
ASU 2014-09 Revenue from Contracts with Customers <i>Issued May 2014</i>	<ul style="list-style-type: none"> • Requires revenue from contracts with customers to be recognized upon transfer of control of a good or service in the amount of consideration expected to be received. • Changes the accounting for certain contract costs, including whether they may be offset against revenue in the accompanying Condensed Consolidated Statements of Income, and requires additional disclosures about revenue and contract costs. • May be adopted using a full retrospective approach or a modified, cumulative effect approach wherein the guidance is applied only to existing contracts as of the day of initial application, and to new contracts transacted after that date. 	<ul style="list-style-type: none"> • Adopted January 1, 2018. • The Company adopted the revenue recognition standard under the full retrospective transition method of adoption. • The Company's implementation efforts included the identification of revenue within the scope of the standard and the evaluation of revenue contracts using the practical expedient portfolio approach. • The adoption of the standard did not have a material impact to the recognition and timing of its revenues, but required the Company to change the presentation of Interest Income and Refunds to Participants from a net basis to a gross basis in the accompanying Condensed Consolidated Statements of Income. See Note 2 for additional information.

4. BUSINESS DISPOSITIONS

On February 6, 2017, the Company, along with Clariant Global LLC's (Clariant) minority interest owners, signed a definitive agreement to sell their interests in Clariant to the Thomson Reuters Corporation (Thomson Reuters). On the same day, the Company also signed a definitive agreement to sell Avox Ltd (Avox) to Thomson Reuters. Both sales closed on March 14, 2017. As a result of these transactions, the Company disposed of Clariant and Avox, effective March 14, 2017. The Company's gain on the sales, net of the gain attributable to non-controlling interests related to Clariant, totaled \$31,136,000 and was included in Other non-operating income in the Company's accompanying Consolidated Statements of Income. The agreements were subject to indemnity clauses for which there were indemnification escrows that were released in September 2018.

Details of the gain on sales follow (in thousands):

	Clariant	Avox	Total
Gain on sale included in Other non-operating income	\$ 39,082	\$ 7,919	\$ 47,001
Less: Gain on sale attributable to non-controlling interest	(15,865)	—	(15,865)
Net gain on business dispositions	<u>\$ 23,217</u>	<u>\$ 7,919</u>	<u>\$ 31,136</u>

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Details of the balances related to the business dispositions follow (in thousands):

	<u>Clariant</u>	<u>Avox</u>	<u>Total</u>
Consolidated assets:			
Cash and cash equivalents	\$ 708	\$ 3,122	\$ 3,830
Accounts receivable - net	531	3,488	4,019
Other current assets	848	51	899
Premises and equipment	—	1,215	1,215
Goodwill	—	7,836	7,836
Intangible assets	6,932	2,674	9,606
Other non-current assets	476	—	476
Total assets	<u>\$ 9,495</u>	<u>\$ 18,386</u>	<u>\$ 27,881</u>
Consolidated liabilities:			
Accounts payable	\$ 257	\$ 252	\$ 509
Other current liabilities	28,239	6,043	34,282
Total liabilities	<u>\$ 28,496</u>	<u>\$ 6,295</u>	<u>\$ 34,791</u>

5. OTHER PARTICIPANTS' ASSETS AND PAYABLE TO PARTICIPANTS

Details for Participants' segregated cash, Other Participants' assets and Payable to Participants as of September 30, 2018 and December 31, 2017 follow (in thousands):

	<u>2018</u>	<u>2017</u>
Assets:		
Participants' segregated cash	\$ 151,459	\$ 20,120
Other Participants' assets	1,252,820	868,036
Total	<u>\$ 1,404,279</u>	<u>\$ 888,156</u>
Liabilities:		
Payable to Participants	<u>\$ 1,404,279</u>	<u>\$ 888,156</u>

Participants' segregated cash represents cash received from Participants to facilitate their compliance with SEC 15c3-3 customer protection rules. Unclaimed balances are remitted to the appropriate authority when required by abandoned property laws.

Payable to Participants included \$281,000 and \$435,000 of cash collateral received from Participants, representing 130% of short positions as of September 30, 2018 and December 31, 2017, respectively. Unclaimed balances are remitted to the appropriate authority when required, pursuant to abandoned property laws.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

6. ACCOUNTS RECEIVABLE

Details for Accounts receivable as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018	2017
Due from Participants and customers for services	\$ 160,959	\$ 161,935
Allowance for doubtful accounts	(384)	(205)
Due from Participants and customers for services, net	160,575	161,730
Other receivables	7,443	12,726
Total	<u>\$ 168,018</u>	<u>\$ 174,456</u>

Total write-offs in the allowance for doubtful accounts were \$94,000 and \$115,000 for the three months ended September 30, 2018 and 2017, respectively, and \$299,000 and \$377,000 for the nine months ended September 30, 2018 and 2017, respectively.

7. PARTICIPANTS' AND CLEARING FUNDS

All deposits of cash and securities by Participants are recorded on the accompanying Condensed Consolidated Statements of Financial Condition under Participants' and Clearing Funds.

Details for the Participants' and Clearing Funds as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018			
	DTC	NSCC	FICC	Total
Required deposits	\$ 1,150,000	\$ 6,115,968	\$ 17,790,232	\$ 25,056,200
Excess deposits	617,803	675,445	7,116,387	8,409,635
Total	<u>\$ 1,767,803</u>	<u>\$ 6,791,413</u>	<u>\$ 24,906,619</u>	<u>\$ 33,465,835</u>

	2017			
	DTC	NSCC	FICC	Total
Required deposits	\$ 1,150,000	\$ 3,360,160	\$ 14,970,573	\$ 19,480,733
Excess deposits	621,078	631,610	6,282,044	7,534,732
Total	<u>\$ 1,771,078</u>	<u>\$ 3,991,770</u>	<u>\$ 21,252,617</u>	<u>\$ 27,015,465</u>

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Cash deposits, Investments in marketable securities and Securities on deposit. Details for cash deposits, investments in marketable securities and securities on deposit of the Participants' and Clearing Funds, which may be applied to satisfy obligations of the depositing Participants as provided in the respective clearing agency rules, as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018			
	DTC	NSCC	FICC	Total
Cash deposits	\$ 1,767,803	\$ 6,374,246	\$ 6,135,027	\$ 14,277,076
Securities on deposit - at fair value	—	417,167	18,771,592	19,188,759
Total	\$ 1,767,803	\$ 6,791,413	\$ 24,906,619	\$ 33,465,835

	2017			
	DTC	NSCC	FICC	Total
Cash deposits	\$ 1,771,078	\$ 3,725,574	\$ 8,815,868	\$ 14,312,520
Investments in marketable securities	—	—	25,000	25,000
Securities on deposit - at fair value	—	266,196	12,411,749	12,677,945
Total	\$ 1,771,078	\$ 3,991,770	\$ 21,252,617	\$ 27,015,465

Details for the Participants' and Clearing Funds cash deposits and investments in marketable securities as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018			
	DTC	NSCC	FICC	Total
Bank deposits	\$ 1,767,803	\$ 4,380,246	\$ 4,546,027	\$ 10,694,076
Money market fund investments	—	1,609,000	1,129,000	2,738,000
Reverse repurchase agreements	—	385,000	460,000	845,000
Total	\$ 1,767,803	\$ 6,374,246	\$ 6,135,027	\$ 14,277,076

	2017			
	DTC	NSCC	FICC	Total
Bank deposits	\$ 1,771,078	\$ 2,820,574	\$ 6,116,868	\$ 10,708,520
Money market fund investments	—	595,000	2,139,000	2,734,000
Reverse repurchase agreements	—	310,000	560,000	870,000
U.S. Treasury bills	—	—	25,000	25,000
Total	\$ 1,771,078	\$ 3,725,574	\$ 8,840,868	\$ 14,337,520

8. EQUITY METHOD INVESTMENTS

Details for DTCC's Equity method investments as of September 30, 2018 and December 31, 2017 follow (in thousands, except ownership percentage):

	2018	2017
European Central Counterparty N.V.		
Percentage ownership	20%	20%
Carrying value	\$ 10,502	\$ 10,394
DTCC-Euroclear GlobalCollateral, LTD		
Percentage ownership	50%	50%
Carrying value	\$ —	\$ —

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

European Central Counterparty N.V. (ECCP N.V.), a joint venture with ABN AMRO Clearing Investments B.V., NASDAQ AB, BATS Trading Limited and Euronext N.V., provides a pan-European clearing solution offering economies of scale and risk management expertise to European market participants. ECCP N.V. uses the risk management framework and customer service organization of European Multilateral Clearing Facility N.V. (EMCF), and conducts its operations using the technology platform and infrastructure of EMCF.

DTCC-Euroclear GlobalCollateral LTD (DEGCL), a joint venture with Euroclear plc, provides support to financial institutions in addressing significant regulatory, operational and industry challenges related to the management of margin calls and collateral impacting the over-the-counter (OTC) derivatives market.

On April 6, 2017, November 10, 2017, and June 19, 2018, the Company contributed \$10,000,000, \$5,000,000 and \$5,000,000 to DEGCL, respectively. The Company maintained the same ownership percentage as the joint venture partner, Euroclear plc, who also contributed a total of \$20,000,000.

Based on the delayed revenue generation and losses sustained by DEGCL services, a triggering event resulted during 2017 that required DTCC to assess its investment in DEGCL for other-than-temporary impairment. DTCC utilized a discounted cash flow methodology based on the forecasted cash flows for DEGCL to determine fair value for both its investment and internally developed software related to DEGCL. DTCC applied a discount rate of 25%, which reflected the weighted-average cost of capital adjusted for the risks inherent in the future cash flows. As a result, DTCC determined the fair value of its investment in DEGCL was less than its carrying value and concluded that this loss was other-than temporary. DTCC recognized an impairment charge of \$9,881,000, which is included in Impairment of Equity method investments in DTCC's Audited Consolidated Statements of Income for the year ended December 31, 2017. Contributions made to DEGCL subsequent to impairment will be included in Net loss from Equity method investments in the accompanying Condensed Consolidated Statements of Income, as cash is contributed until financial conditions improve. DTCC continues to maintain its relationship with the DEGCL joint venture.

9. OTHER ASSETS

Details for Other assets as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018	2017
Prepays	\$ 80,152	\$ 63,203
Prepaid taxes	19,585	22,130
Other current assets	11,018	16,321
Total other current assets	<u>110,755</u>	<u>101,654</u>
Long-term incentive plan assets	164,989	171,995
Deferred tax assets, net	69,048	86,242
Cash surrender value on insurance policies	62,118	59,618
Prepays	40,603	24,036
Equity investments	11,750	5,411
Other non-current assets	8,403	6,534
Total other non-current assets	<u>356,911</u>	<u>353,836</u>
Total	<u>\$ 467,666</u>	<u>\$ 455,490</u>

See Note 12 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for additional information.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

10. OTHER LIABILITIES

Details for Other liabilities as of September 30, 2018 and December 31, 2017 follow (in thousands):

	<u>2018</u>	<u>2017</u>
Compensation payable	\$ 106,144	\$ 137,446
Long-term incentive plan liabilities	28,030	44,072
Deferred rent	1,173	5,053
Other current liabilities	65,427	63,358
Total other current liabilities	<u>200,774</u>	<u>249,929</u>
Long-term incentive plan liabilities	245,650	224,791
Unrecognized tax benefits ⁽¹⁾	36,911	81,601
Deferred rent	35,471	36,117
Other payables	26,158	27,733
Total other non-current liabilities	<u>344,190</u>	<u>370,242</u>
Total	<u>\$ 544,964</u>	<u>\$ 620,171</u>

(1) See Note 15 for additional information.

See Note 13 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for additional information.

11. COMMERCIAL PAPER

Details for Commercial paper as of September 30, 2018 and December 31, 2017 follow (in thousands):

	<u>2018</u>	<u>2017</u>
Commercial paper - net of unamortized discount of \$27,216 and \$3,371 as of September 30, 2018 and December 31, 2017, respectively	\$ 6,422,338	\$ 3,222,571
Weighted-average interest rate	2.27%	1.43%

Interest expense on Commercial paper included in the accompanying Condensed Consolidated Statements of Income was \$31,424,000 and \$9,461,000 for the three months ended September 30, 2018 and 2017, respectively, and \$65,453,000 and \$22,153,000 for the nine months ended September 30, 2018 and 2017, respectively.

Details for the cash flows associated with the issuance and maturities of Commercial paper for the nine months ended September 30, 2018 and 2017 follow (in thousands):

	<u>2018</u>	<u>2017</u>
Maturities less than 90 days:		
Proceeds from/(Repayments of) Commercial paper less than 90 days, net	<u>\$ 340,932</u>	<u>\$ 283,436</u>
Maturities greater than 90 days:		
Proceeds from Commercial paper	5,066,469	1,925,934
Repayments of Commercial paper	(2,222,231)	(1,664,546)
Proceeds from/(Repayments of) Commercial paper greater than 90 days, net	<u>2,844,238</u>	<u>261,388</u>
Change in Commercial paper, net	<u>\$ 3,185,170</u>	<u>\$ 544,824</u>

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

12. LONG-TERM DEBT

Details for Long-term debt as of September 30, 2018 and December 31, 2017 follow (in thousands):

	<u>2018</u>	<u>2017</u>
Notes payable	\$ 37,100	\$ 39,025
Capital lease obligations	—	5,227
Total long-term debt	<u>37,100</u>	<u>44,252</u>
Less: Current portion of long-term debt	<u>(2,650)</u>	<u>(7,877)</u>
Non-current portion of long-term debt	<u>\$ 34,450</u>	<u>\$ 36,375</u>

Details for principal payments due on Long-term debt for each of the next five years and thereafter follow (in thousands):

	<u>Notes Payable</u>
2018	\$ 725
2019	2,650
2020	2,650
2021	2,650
2022	2,650
Thereafter	25,775
Total	<u>\$ 37,100</u>

Notes payable. Details for notes payable as of September 30, 2018 and December 31, 2017 follow (in thousands):

<u>Issue Date</u>	<u>Maturity</u>	<u>Rate</u>	<u>Outstanding Balance</u>	
			<u>2018</u>	<u>2017</u>
April 26, 2012	April 26, 2032	3.83%	\$ 20,300	\$ 21,025
September 28, 2012	September 28, 2032	3.93%	16,800	18,000
Total			<u>\$ 37,100</u>	<u>\$ 39,025</u>

The weighted-average interest rate was 3.88% as of September 30, 2018 and December 31, 2017, respectively. Total Interest expense on notes payable included in the accompanying Condensed Consolidated Statements of Income was \$365,000 and \$393,000 for three months ended September 30, 2018 and 2017, respectively, and \$1,110,000 and \$1,283,000 for the nine months ended September 30, 2018 and 2017, respectively.

Capital lease obligations. Leased property meeting certain criteria is capitalized and the present value of the related lease payments is recorded as a liability. During the first quarter of 2018, the Company extinguished its remaining capital lease obligations.

The weighted-average interest rate was 0.00% and 1.80% as of September 30, 2018 and December 31, 2017, respectively. Total Interest expense on capital lease obligations included in the accompanying Condensed Consolidated Statements of Income was \$0 and \$78,000 for the three months ended September 30, 2018 and 2017, respectively, and \$68,000 and \$266,000 for the nine months ended September 30, 2018 and 2017, respectively.

Lines of credit. DTCC maintains a committed line of credit for general funding purposes while certain of its subsidiaries, DTC and NSCC, also maintain committed lines of credit to support settlement.

Details for the terms of the outstanding lines of credit as of September 30, 2018 and December 31, 2017 follow:

	2018	2017
<i>DTCC</i>		
Committed Amount	\$500 million	\$500 million
Denomination	USD	USD
No. of Participants/Lenders	10/10	10/10
<i>DTC</i>		
Committed Amount	\$1.9 billion	\$1.9 billion
Denomination	USD	USD
No. of Participants/Lenders	33/41	32/41
Uncommitted Amount	C\$150 million ⁽¹⁾	C\$150 million ⁽¹⁾
Denomination	CAD	CAD
No. of Participants/Lenders	1/1	1/1
<i>NSCC</i>		
Committed Amount	\$12.1 billion	\$12.2 billion
Denomination	USD	USD
No. of Participants/Lenders	33/41	32/41

(1) Used to support Canadian settlement.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Details for debt covenants related to the notes payable and lines of credit as of September 30, 2018 and December 31, 2017 follow:

	2018	2017
Notes Payable		
<u><i>DTCC</i></u>		
Minimum Net Worth	\$400 million	\$400 million
Maximum Priority Debt	20% of Net Worth	20% of Net Worth
Lines of Credit		
<u><i>DTCC</i></u>		
Minimum Net Worth	\$1.1 billion	\$1.1 billion
Maximum Priority Debt	\$200 million	\$200 million
<u><i>DTC</i></u>		
Minimum Net Worth	\$150 million	\$150 million
Minimum Participants' Fund deposits	\$750 million	\$750 million
<u><i>NSCC</i></u>		
Minimum Net Worth	\$125 million	\$125 million
Minimum Clearing Fund deposits	\$1 billion	\$1 billion

As of September 30, 2018 and December 31, 2017, the Company was in compliance with its debt covenants.

Credit Ratings. DTCC, DTC, FICC and NSCC are rated by Moody's Investors Service, Inc. (Moody's) and S&P Global Inc. (S&P). Details for senior debt ratings and ratings outlooks for DTCC and its three clearing agency subsidiaries as of September 30, 2018 follow:

	Moody's ⁽¹⁾			S&P		
	Long-term	Short-term	Outlook	Long-term	Short-term	Outlook
DTCC	Aa3	N/A	Stable	AA-	A-1+	Stable
DTC	Aaa	P-1	Stable	AA+	A-1+	Stable
FICC	Aaa	P-1	Stable	AA	A-1+	Stable
NSCC	Aaa	P-1	Stable	AA+	A-1+	Stable

(1) Moody's categorizes the long-term issuer ratings of DTC, FICC and NSCC as clearing counterparty ratings (CCR) under the agency's Clearing Houses Rating Methodology.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

13. FAIR VALUE MEASUREMENTS

See Note 16 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for the Company's valuation basis, including valuation techniques and inputs, as well as the fair value hierarchy used in measuring the Company's financial assets and liabilities that are both accounted for at fair value and at other than fair value.

Financial Assets and Liabilities measured at fair value on a recurring basis. Fair value measurements of those items measured on a recurring basis are summarized below as of September 30, 2018 and December 31, 2017 (in thousands):

	2018			Total
	Level 1	Level 2	Level 3	
Assets - Participants' and Clearing Funds				
Securities on deposit	\$ 16,790,740	\$ 2,398,019	\$ —	\$ 19,188,759
Non-current assets				
Long-term incentive plan assets	129,842	35,147	—	164,989
Equity investments	—	—	11,750	11,750
Total	\$ 16,920,582	\$ 2,433,166	\$ 11,750	\$ 19,365,498
Liabilities - Participants' and Clearing Funds				
Securities on deposit	\$ 16,790,740	\$ 2,398,019	\$ —	\$ 19,188,759
Total	\$ 16,790,740	\$ 2,398,019	\$ —	\$ 19,188,759
2017				
	Level 1	Level 2	Level 3	Total
Assets - Participants' and Clearing Funds				
Securities on deposit	\$ 10,900,451	\$ 1,777,494	\$ —	\$ 12,677,945
Non-current assets				
Long-term incentive plan assets	135,087	36,908	—	171,995
Total	\$ 11,035,538	\$ 1,814,402	\$ —	\$ 12,849,940
Liabilities - Participants' and Clearing Funds				
Securities on deposit	\$ 10,900,451	\$ 1,777,494	\$ —	\$ 12,677,945
Total	\$ 10,900,451	\$ 1,777,494	\$ —	\$ 12,677,945

There were no transfers between levels in the fair value hierarchy for the periods ended September 30, 2018 and December 31, 2017.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

The rollforward of the Company's Equity investments categorized within Level 3 in the fair value hierarchy for the nine months ended September 30, 2018 follow (in thousands):

	Investment at December 31, 2017	Transfers Into Level 3 ⁽¹⁾	Purchases⁽²⁾	Unrealized Gain	Fair Value at September 30, 2018
Equity investments	\$ —	\$ 5,411	\$ 1,104	\$ 5,235	\$ 11,750

(1) On January 1, 2018, the Company adopted the new standard related to fair value measurement of unconsolidated equity investments under the prospective transition method of adoption. See Note 3 for additional information.

(2) On June 25, 2018, the Company made an additional cash investment of \$1,104,000 in Equity investments, which increased the Company's total investment in Equity investments, to \$11,750,000, including a \$5,235,000 mark-to-market investment gain included in Other non-operating income in the accompanying Condensed Consolidated Statements of Income. The fair value of the investments were determined based on the latest valuation of Equity investments from their most recent round of financing, using Level 3 inputs.

The Company's primary level 3 financial asset, the valuation techniques used to measure the fair value of the financial asset and the significant unobservable inputs as of September 30, 2018 follow (in thousands):

Financial Instruments Owned	Fair Value (in thousands)	Valuation Technique	Unobservable Inputs	Input Range	Weighted Average
Equity Investments	\$11,750	Last Round of Financing	Price Per Share ⁽¹⁾	\$15 - \$107 ⁽²⁾	\$71 ⁽²⁾

(1) Price is determined using the latest valuation from the most recent round of financing of equity investments.

(2) The unobservable input range and weighted-average are driven by the individual equity investments.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Financial Assets and Liabilities measured at other than fair value. The carrying values, fair values and fair value hierarchy levels of all financial instruments measured at other than fair value on the accompanying Condensed Consolidated Statements of Financial Condition as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018				
	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3
Assets:					
Cash and cash equivalents	\$ 8,373,786	\$ 8,373,786	\$ 8,373,786	\$ —	\$ —
Participants' segregated cash	151,459	151,459	151,459	—	—
Accounts receivable	168,018	168,018	—	168,018	—
Participants' and Clearing Funds:					
Cash deposits	14,277,076	14,277,076	13,434,330	842,746	—
Other Participants' assets	1,252,820	1,252,820	1,247,712	5,108	—
Total	\$ 24,223,159	\$ 24,223,159	\$ 23,207,287	\$ 1,015,872	\$ —
Liabilities:					
Commercial paper	\$ 6,422,338	\$ 6,422,338	\$ —	\$ 6,422,338	\$ —
Accounts payable and accrued expenses	107,181	107,181	—	107,181	—
Participants' and Clearing Funds:					
Cash deposits	14,277,076	14,277,076	14,277,076	—	—
Payable to Participants	1,404,279	1,404,279	1,404,279	—	—
Long-term debt	37,100	36,883	—	36,883	—
Total	\$ 22,247,974	\$ 22,247,757	\$ 15,681,355	\$ 6,566,402	\$ —
	2017				
	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3
Assets:					
Cash and cash equivalents	\$ 5,075,318	\$ 5,075,318	\$ 5,075,318	\$ —	\$ —
Participants' segregated cash	20,120	20,120	20,120	—	—
Accounts receivable	174,456	174,456	—	174,456	—
Participants' and Clearing Funds:					
Cash deposits	14,312,520	14,312,520	13,442,520	870,000	—
Investments in marketable securities	25,000	24,920	24,920	—	—
Other Participants' assets	868,036	868,036	862,802	5,234	—
Total	\$ 20,475,450	\$ 20,475,370	\$ 19,425,680	\$ 1,049,690	\$ —
Liabilities:					
Commercial paper	\$ 3,222,571	\$ 3,222,571	\$ —	\$ 3,222,571	\$ —
Accounts payable and accrued expenses	118,345	118,345	—	118,345	—
Participants' and Clearing Funds:					
Cash deposits	14,337,520	14,337,520	14,337,520	—	—
Payable to Participants	888,156	888,156	888,156	—	—
Long-term debt	44,252	45,822	—	45,822	—
Total	\$ 18,610,844	\$ 18,612,414	\$ 15,225,676	\$ 3,386,738	\$ —

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

14. PENSION AND POSTRETIREMENT BENEFITS

Defined contribution retirement plans. Total expense for the defined contribution retirement plans included in Employee compensation and related benefits in the accompanying Condensed Consolidated Statements of Income was \$10,468,000 and \$9,783,000 for the three months ended September 30, 2018 and 2017, respectively, and \$26,399,000 and \$29,224,000 for the nine months ended September 30, 2018 and 2017, respectively.

Defined benefit pension and other postretirement benefit plans. Details of the components of net periodic benefit expense (income) and amortization for the Company's pension and postretirement benefit plans, included in Employee compensation and related benefits, Interest expense, and Other non-operating income in the accompanying Condensed Consolidated Statements of Income, for the three months ended September 30, 2018 and 2017 follow (in thousands):

	Pension Benefits		Other Benefits	
	2018	2017	2018	2017
Components of net periodic benefit expense (income):				
Expected return on plan assets	\$ (9,896)	\$ (9,307)	\$ —	\$ —
Interest cost	8,530	8,698	1,412	(79)
Service cost	793	1,260	1,071	(103)
Amortizations:				
Prior service cost (credit)	22	21	(1,270)	3,394
Actuarial loss	1,951	1,505	914	(260)
Settlement loss	—	—	56	85
Net periodic benefit expense	<u>\$ 1,400</u>	<u>\$ 2,177</u>	<u>\$ 2,183</u>	<u>\$ 3,037</u>

Details of the components of net periodic benefit expense (income) and amortization for the Company's pension and postretirement benefit plans for the nine months ended September 30, 2018 and 2017 follow (in thousands):

	Pension Benefits		Other Benefits	
	2018	2017	2018	2017
Components of net periodic benefit expense (income):				
Expected return on plan assets	\$ (29,688)	\$ (28,087)	\$ —	\$ —
Interest cost	25,590	26,010	4,236	2,697
Service cost	2,379	2,876	3,213	2,441
Amortizations:				
Prior service cost (credit)	66	65	(3,810)	634
Actuarial loss	5,853	4,243	2,739	776
Settlement loss	—	—	168	161
Net periodic benefit expense	<u>\$ 4,200</u>	<u>\$ 5,107</u>	<u>\$ 6,546</u>	<u>\$ 6,709</u>

The Company contributed \$55 million to the Retirement Plan for the nine months ended September 30, 2018 and anticipates making no further contributions for the remainder of the fiscal year. The Company contributed \$40 million to the Retirement Plan for the nine months ended September 30, 2017.

See Note 17 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016 for additional information.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

15. INCOME TAXES

The Company's effective tax rate was 14.4% and 22.5% for the nine months ended September 30, 2018 and 2017, respectively. The decrease in the effective tax rate was primarily due to the favorable settlement of the New York state tax audit, and a lower corporate tax rate from the enactment of the Tax Act.

The Tax Act introduced many changes to U.S. tax law including, among other items, reducing the corporate tax rate and introducing Base Erosion and Anti-Abuse Tax (BEAT), a minimum tax on U.S. corporations that make deductible payments to foreign affiliates and subsidiaries, and Global Intangible Low Taxed Income (GILTI), an anti-deferral provision on certain earnings of foreign subsidiaries. The Company recorded provisional amounts associated with the Tax Act for the year ended December 31, 2017. The SEC issued rules that allows the Company a measurement period of up to one year after the enactment date of the Tax Act to recognize the impact of the Tax Act. As of September 30, 2018, the Company believes the potential adjustments in future periods will not have a material impact on its Condensed Consolidated Statements of Financial Condition and Income. The Company has not changed its provisional amounts and will continue to refine its calculations as further information and interpretations become available. The Company has not made an accounting policy election to recognize income tax expense associated with GILTI as incurred or as a deferred tax expense.

Details for unrecognized tax benefits, included in Other non-current liabilities on the accompanying Condensed Consolidated Statements of Financial Condition, as of September 30, 2018 and 2017 follow (in thousands):

	2018	2017
Beginning balance	\$ 53,008	\$ 45,410
Prior period tax positions	(21,481)	14,633
Current period tax positions	400	—
Settlements with taxing authorities	(5,420)	—
Lapses in statute	(649)	(6,255)
Unrecognized tax benefit	25,858	53,788
Accrued interest	11,053	20,603
Ending balance	<u>\$ 36,911</u>	<u>\$ 74,391</u>

See Note 18 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016 for additional information.

16. SHAREHOLDERS' EQUITY

DTCC Series A Preferred stock. All 10,000 shares of DTCC Series A Preferred stock are issued and outstanding and held of record by Stock Clearing Corporation, a wholly owned subsidiary of the New York Stock Exchange LLC, the successor-in-interest to the New York Stock Exchange Inc. In the event of DTCC's voluntary or involuntary liquidation, dissolution or winding-up, the holders of Series A Non-Cumulative Perpetual Preferred stock are entitled to a liquidation preference of \$30.00 per share.

DTCC Series B Preferred stock. All 10,000 shares of DTCC Series B Preferred stock are issued and outstanding and held of record by National Clearing Corporation, a wholly owned subsidiary of the Financial Industry Regulatory Authority Inc. ("FINRA"). In the event of DTCC's voluntary or involuntary liquidation, dissolution or winding-up, the holders of Series B Preferred stock are entitled to a liquidation preference of \$30.00 per share.

DTCC Series C Fixed-to-Floating Rate Non-Cumulative Perpetual Preferred stock. DTCC issued 1,600 shares of Fixed-to-Floating Rate Non-Cumulative Perpetual Preferred stock, Series C, \$0.50 par value per share, with a liquidation preference of \$250,000 per share. When declared by DTCC's Board of Directors, dividends on the Series C Preferred stock are payable in arrears on June 15 and December 15 of each year through June 15, 2020 at a fixed rate of 4.875% per annum. From June 15, 2020 onward, dividends will accrue at a floating rate equal to three-month LIBOR plus 3.167% per annum. DTCC may redeem the Series C Preferred Stock at its option, for cash, i) in whole or in part, from time to time, on any dividend payment date on or after June 15, 2020 at a redemption price equal to \$250,000 per share, plus any declared and

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

unpaid dividends to, but excluding the redemption date, or ii) in whole but not in part, at any time within 90 days following a Regulatory Capital Treatment Event, as defined in the Series C Preferred Stock Offering Memorandum, at a redemption price equal to \$250,000 per share, plus any declared and unpaid dividends to, but excluding, the redemption date.

On April 17, 2018, in accordance with the Amended Certificate of Incorporation of DTCC, the Board of Directors approved and declared a dividend in the amount of \$6,093.75 per share on 1,600 shares outstanding of its Series C Preferred Stock. The aggregate dividend of \$9,750,000 was paid on June 15, 2018, to the holders of the Series C Preferred Stock as of record date May 31, 2018.

DTC Series A Non-Cumulative Perpetual Preferred stock. Under a plan adopted by the Board of Directors, each Participant of DTC is required to own shares of DTC Series A preferred stock. There was \$150,000,000 of DTC Series A preferred stock (1,500,000 shares at par value of \$100 per share) outstanding as of September 30, 2018 and December 31, 2017. Dividends are accrued based on the weighted-average rate of interest paid by the Corporation on required Participants' Fund deposits during the dividend period as disclosed in the DTC's rules. The 2017 annual dividend amount of \$1,080,000 was approved and declared by the Board of Directors in February 2018, and paid in April 2018, to the holders of DTC Series A Preferred stock during 2017.

17. COMMITMENTS AND CONTINGENCIES

Litigation. The Company is involved in legal proceedings and litigation arising in the ordinary course of business. In the opinion of management, the outcome of such proceedings and litigation is not expected to have a material effect on the accompanying Condensed Consolidated Statements of Financial Condition, Income or Cash Flows.

Lease commitments. The Company leases office space and equipment. Rent expense under the leases for office space was \$6,587,000 and \$6,256,000 for the three months ended September 30, 2018 and 2017, respectively, and \$19,819,000 and \$19,293,000 for the nine months ended September 30, 2018 and 2017, respectively. These amounts are included in Occupancy in the accompanying Condensed Consolidated Statements of Income.

The Company sublets office space in some of its leased offices. Rental income under these subleases was \$421,000 and \$241,000 for the three months ended September 30, 2018 and 2017, respectively, and \$1,368,000 and \$372,000 for the nine months ended September 30, 2018 and 2017, respectively. These amounts are included in Other non-operating income (expense) in the accompanying Condensed Consolidated Statements of Income.

Details for estimated future minimum rental payments under all noncancelable leases follow (in thousands):

2018	\$	7,191
2019		28,974
2020		28,905
2021		29,169
2022		29,116
Thereafter		260,792
Total minimum rental payments ⁽¹⁾	\$	<u>384,147</u>

(1) Future minimum rental payments were not reduced by minimum sublease rentals of \$53,890,000 due in the future under noncancelable subleases.

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

18. CAPITAL REQUIREMENTS

The capital requirement for each of the clearing agency is equal to the sum of the general business risk capital requirement and corporate contribution, as described below. The clearing agencies must meet the capital requirement by holding liquid net assets funded by equity, as described in rule 17Ad-22(e)(15) of the CCAS and DTCC's clearing agency policy on capital requirements.

General Business Risk Capital Requirement. The general business risk capital requirement is determined according to Rule 17Ad-22(e)(15) of the CCAS and DTCC's clearing agency policy on capital requirements for DTC, NSCC and FICC. The capital requirement is held to cover potential general business losses so that the clearing agencies can continue operations and provide services as a going concern if those losses materialize. It is determined based on the general business risk profile and estimated time to execute a recovery or orderly wind-down of critical operations for each of the clearing agencies and, at a minimum, is equal to six months of operating expenses.

Corporate Contribution. The clearing agencies maintain an amount referred to as the corporate contribution, to be applied to losses as provided in each of the respective clearing agencies rules. The amount of the corporate contribution is generally equal to 50% of DTC, NSCC and FICC's respective general business risk capital requirement.

Details of the general business risk capital requirement, corporate contribution and liquid net assets funded by equity for the clearing agencies as of September 30, 2018 and December 31, 2017 follow (in thousands):

	2018		
	DTC	NSCC	FICC
General business risk capital requirement	\$ 164,282	\$ 148,533	\$ 103,756
Corporate contribution	82,141	74,267	51,878
Total requirement	<u>246,423</u>	<u>222,800</u>	<u>155,634</u>
Liquid net assets funded by equity	509,862	443,111	261,270
Excess/(shortfall)	<u>\$ 263,439</u>	<u>\$ 220,311</u>	<u>\$ 105,636</u>
	2017		
	DTC	NSCC	FICC
General business risk capital requirement	\$ 159,181	\$ 142,035	\$ 93,520
Corporate contribution	79,590	71,017	46,760
Total requirement	<u>238,771</u>	<u>213,052</u>	<u>140,280</u>
Liquid net assets funded by equity	444,265	397,540	236,922
Excess/(shortfall)	<u>\$ 205,494</u>	<u>\$ 184,488</u>	<u>\$ 96,642</u>

THE DEPOSITORY TRUST & CLEARING CORPORATION

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

AS OF SEPTEMBER 30, 2018 AND DECEMBER 31, 2017 AND FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018 AND 2017

Regulatory capital. DTCC's regulated subsidiaries maintain and report regulatory capital in accordance with all relevant laws, rules and guidelines. As a multinational enterprise, various DTCC subsidiaries are subject to regulatory capital regimes, as applicable. Certain DTCC subsidiaries submit regulatory capital reports to various regulators, including, but not limited to, FRBNY, the NYSDFS and the Commodity Futures Trading Commission in the United States; Ontario Securities Commission in Canada; and the Monetary Authority of Singapore in Singapore.

Capital adequacy. Certain DTCC subsidiaries are subject to capital guidelines issued by United States federal and state banking regulators. During the year DTCC engaged in banking activities under DTC.

DTC capital ratios filed with the FRBNY and the NYSDFS, and included in DTC's Condensed Financial Statements submitted to the SEC as of September 30, 2018, follow:

	DTC	Minimum Capital Ratio ⁽¹⁾	Well Capitalized Ratio ⁽¹⁾
Tier 1 capital ratio	78.40%	6.00%	8.00%
Total capital ratio	78.40%	8.00%	10.00%
Tier 1 leverage ratio	18.80%	4.00%	4.00%

(1) As defined by the regulations issued by the Federal Reserve, Office of the Comptroller of the Currency and the Federal Deposit Insurance Corporation.

19. GUARANTEES

FICC and NSCC provide CCP services, including clearing, settlement and risk management services. Acting as a CCP, FICC (through GSD and MBSD) and NSCC guarantee the settlement of trades in the event one or more of their Participants' defaults. A Participant default is defined in the respective rules of NSCC, GSD and MBSD. In their guarantor role, each clearing subsidiary has equal claims to and from Participants, as applicable, on opposite sides of netted transactions. To cover their guarantee risk, FICC (through GSD and MBSD) and NSCC use risk-based margining to collect cash and securities collateral through their Clearing Funds. NSCC's trade guaranty attaches at the point of validation for locked-in submissions, or at the point of comparison and validation for bilateral submissions.

Details for open CCP positions for which a trade guarantee applied as of September 30, 2018 and December 31, 2017 follow (in billions):

	2018	2017
FICC		
GSD	\$ 981	\$ 1,039
MBSD	354	312
NSCC	182	135

There were no defaults by Participants to these obligations.

If a Participant defaults in either NSCC or FICC, such Participant's deposits to the applicable Clearing Fund are the first source of funds and collateral that NSCC and FICC would use to cover any losses that may result from the close-out and liquidation of the defaulting Participant's positions. To address potential tail losses, NSCC and FICC each separately maintain additional prefunded resources. These consist of (i) the CCP's Clearing Fund that, in the aggregate, currently serves as the CCP's default fund, and (ii) the CCP's Corporate Contribution, as described in Note 18.

If, after closing out and liquidating a defaulting Participant's positions, the CCP were to suffer a loss, such loss would be satisfied as follows: (i) first, applying the defaulter's Clearing Fund deposit, including any amounts available under cross-guaranty agreements to which the CCPs are a party, described below, (ii) next, the CCPs may apply their Corporate Contributions (or such higher amount as approved by their Board of Directors), and (iii) by allocating any remaining loss to Participants.

Amounts that may be available under cross-guaranty agreements include, for NSCC, amounts available under either the netting contract and limited cross-guaranty between DTC and NSCC relating to collateralization across the DTC-NSCC interface; or, for FICC, amounts available under the cross-margining agreement between GSD and the Chicago Mercantile Exchange Inc., which may provide for additional funds if the defaulting member was a cross-margining Participant.

DTC, NSCC, FICC and OCC have also entered into a multilateral netting contract and limited cross-guaranty agreement. In accordance with these agreements, these clearing agencies have agreed to make payments to each other for any remaining unsatisfied obligations of a common defaulting Participant to the extent that these clearing agencies have excess resources belonging to the defaulting Participant. Under this agreement, no party ever needs to pay "out of pocket" and no party can receive more than its loss.

See Note 22 in DTCC's Audited Consolidated Financial Statements for the years ended December 31, 2017 and 2016, for additional information.

20. SUBSEQUENT EVENTS

The Company evaluated events and transactions occurring after September 30, 2018 through October 31, 2018, for potential recognition or disclosure in these accompanying Condensed Consolidated Financial Statements. No events or transactions occurred during such period that would require recognition or disclosure in these accompanying Condensed Consolidated Financial Statements.