2017 DFAST Mid-Cycle Stress Test Disclosure
Citi Severely Adverse Scenario

October 27, 2017
2017 Mid-Cycle Stress Test

Overview

• Under the stress testing requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act, as implemented by the Federal Reserve Board (FRB), Citi is required to conduct a company-run Mid-Cycle Stress Test (MCST).

• As required by the FRB, the 2017 MCST was conducted using data as of June 30, 2017 and was based on Citi-developed scenarios only.

• Results included estimated pro forma capital ratios based on Basel III rules as applied on a transitional basis.

• Citi is required to publicly disclose a summary of projected results under the hypothetical Citi Severely Adverse Scenario (see pages 5-9). In addition to the Citi Severely Adverse Scenario, Citi was required to develop Baseline and Adverse scenarios in performing its 2017 MCST.

• Citi’s results under each of the required scenarios were submitted to the FRB in October 2017.

Citi’s projections under the Citi Severely Adverse Scenario, as disclosed in this document or otherwise, should not be viewed or interpreted as forecasts of expected or likely outcomes for Citi. Rather, these projections are based solely on Citi’s hypothetical Citi Severely Adverse Scenario and other specific conditions required to be assumed by Citi. These assumptions include, among others, the “Dodd-Frank Capital Actions” (see page 18), as well as modeling assumptions necessary to project and assess the impact of the Citi Severely Adverse Scenario on the results of operations and capital position of Citi.
Citi’s Mid-Cycle Stress Test Scenarios

Scenario Description

- Citi’s scenarios, including the Citi Severely Adverse Scenario, were designed in accordance with regulatory guidance which requires that the Citi-developed scenarios reflect Citi’s unique vulnerabilities to factors that stress its business model, strategy, firm-wide activities and risk exposures, including macroeconomic, market-wide and firm-specific events.
  - Leveraging Citi’s Material Risk Inventory, Citi designed a narrative described below to capture and stress, through macro variables, both Citi-specific and industry-wide risks.
  - Key stressed macro variables were benchmarked to historical stress periods and prior CCAR/DFAST BHC and FRB stress scenarios, and all variables were forecasted using statistical models where feasible.
- The Citi Severely Adverse Scenario reflects a hypothetical severe global recession that is accompanied by an economic crisis in Europe and emerging market economies.
  - U.S. increases trade barriers with numerous countries, sparking trade wars with China and Mexico.
  - Fears of European fragmentation with the UK moving towards a hard Brexit ultimately leads to a collapse of major Italian banks, a crisis of confidence in European financial institutions, and global financial stress. Given exposure to European banks, Asian financial institutions are hard-hit.
  - Reflecting flight-to-safety capital flows associated with the scenario’s global recession, the U.S. dollar appreciates strongly against the euro, the pound sterling and the currencies of emerging markets. Mexico is particularly hard-hit as the global shock compounds the impact of increased US protectionism.
  - In the US, the rise in credit spreads, combined with the impact of the global recession and collapse in investor and consumer confidence, causes U.S. real GDP to decline, US unemployment to rise, and housing prices to drop sharply.
MCST Citi Severely Adverse Scenario: Key Variables

These conditions present key variables included in the Citi Severely Adverse Scenario for certain countries important to Citi’s global footprint.

The Citi Severely Adverse Scenario should not be viewed or interpreted as an expected forecast, but rather a hypothetical scenario with assumed economic and financial conditions designed to reflect Citi’s unique vulnerabilities to factors that affect its firm-wide activities and risk exposures, as required by FRB instructions.
Pro Forma Projections

The tables below summarize Citi’s pro forma estimated results under the Citi Severely Adverse Scenario using Dodd-Frank Capital Actions:

Projected Stressed Capital Ratios through Q3 2019

<table>
<thead>
<tr>
<th></th>
<th>Actual</th>
<th>Stressed Capital Ratios</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q2 2017</td>
<td>Q3 2019</td>
</tr>
<tr>
<td>Common Equity Tier 1 Capital Ratio (%)</td>
<td>14.1</td>
<td>9.6</td>
</tr>
<tr>
<td>Tier 1 Risk-Based Capital Ratio (%)</td>
<td>15.4</td>
<td>11.5</td>
</tr>
<tr>
<td>Total Risk-based Capital Ratio (%)</td>
<td>18.6</td>
<td>14.7</td>
</tr>
<tr>
<td>Tier 1 Leverage Ratio (%)</td>
<td>9.9</td>
<td>7.5</td>
</tr>
<tr>
<td>Supplementary leverage ratio²</td>
<td>7.2</td>
<td>5.8</td>
</tr>
</tbody>
</table>

¹ Minimum reflects the lowest value for each ratio over the 9 quarter forecast horizon and the minimum value for all ratios may not occur in the same quarter.
² The MCST 2017 planning horizon includes the initial compliance date for the supplementary leverage ratio and advanced approach BHCs must demonstrate conformance in the quarters of the planning horizon corresponding to Q1 2018–Q3 2019.

Projected Cumulative Losses, Revenue, and Net Income Before Taxes through Q3 2019

<table>
<thead>
<tr>
<th></th>
<th>9Q Total</th>
<th>Percent of Average Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ in billions</td>
<td></td>
</tr>
<tr>
<td>Pre-Provision Net Revenue</td>
<td>38.0</td>
<td>2.20%</td>
</tr>
<tr>
<td>Other Revenue Less Provisions</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Realized Losses on Securities (AFS/HTM)</td>
<td>1.6</td>
<td></td>
</tr>
<tr>
<td>Trading and Counterparty Losses</td>
<td>15.5</td>
<td></td>
</tr>
<tr>
<td>Other Losses Equals</td>
<td>2.3</td>
<td></td>
</tr>
<tr>
<td>Net Income/(Loss) Before Taxes</td>
<td>(22.2)</td>
<td>-1.3%</td>
</tr>
<tr>
<td>Memo Items Other comprehensive income</td>
<td>(10.5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Q2 2017</td>
<td>Q3 2019</td>
</tr>
<tr>
<td>Other effects on capital</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AOCI included in capital (billions of dollars)</td>
<td>(28.4)</td>
<td>(40.0)</td>
</tr>
</tbody>
</table>

See page 18

These projections represent hypothetical estimates based on Citi’s Severely Adverse Scenario with Dodd-Frank Capital Actions. These estimates are not forecasts of Citi’s expected pre-provision net revenues, losses, net income before taxes, planned capital actions, risk-weighted assets, or pro forma capital ratios.
Key Drivers of Common Equity Tier 1 Capital Ratio
(2Q17-3Q19; Citi Severely Adverse Scenario with Dodd-Frank Capital Actions)

Common Equity Tier 1 (CET1) Capital Ratio

<table>
<thead>
<tr>
<th>Driver</th>
<th>Impact</th>
<th>CET1 Risk-Based Capital Ratio Full Implementation 2Q17</th>
<th>CET1 Risk-Based Capital Ratio Full Implementation 3Q19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Losses/Provisions &amp; AFS/HTM Net Losses</td>
<td>-3.6%</td>
<td>14.1%</td>
<td>9.6%</td>
</tr>
<tr>
<td>Trading and Counterparty Losses</td>
<td>-1.3%</td>
<td>13.1%</td>
<td></td>
</tr>
<tr>
<td>Other Comprehensive Income</td>
<td>-0.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Change in DTA Disallowance</td>
<td>-0.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preferred Dividends</td>
<td>-0.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Buybacks &amp; Dividends</td>
<td>-0.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PPNR Operational Losses</td>
<td>3.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in Risk-Weighted Assets</td>
<td>0.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>0.4%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** These projections represent hypothetical estimates based on the Citi Severely Adverse Scenario with Dodd-Frank Capital Actions. These estimates are not forecasts of Citi’s expected pro forma capital ratios.

(1) Reflects pre-tax impact.

(2) Other includes impacts due to (i) losses from loans held-for-sale and loans accounted for under the fair value option, (ii) goodwill & intangibles amortization, (iii) issuance of employee stock compensation, (iv) accrued taxes, and (v) other income statement, and capital items.
Key Drivers of Tier 1 Risk-Based Capital Ratio
(2Q17-3Q19; Citi Severely Adverse Scenario with Dodd-Frank Capital Actions)

**Tier 1 Risk-Based Capital Ratio**

<table>
<thead>
<tr>
<th></th>
<th>Tier 1 Risk-Based Capital Ratio Transitional 2Q17</th>
<th>Impact of Full Implementation Phase In</th>
<th>Tier 1 Risk-Based Capital Ratio Full Implementation 2Q17</th>
<th>Credit Losses/Provisions &amp; AFS/HTM Net Losses</th>
<th>Trading and Counterparty Losses</th>
<th>Other Comprehensive Income</th>
<th>Net Change in DTA Disallowance</th>
<th>Preferred Dividends</th>
<th>Common Buybacks &amp; Dividends</th>
<th>PPNR (Inc. Operational Losses)</th>
<th>Change in Risk-Weighted Assets</th>
<th>Other</th>
<th>Tier 1 Risk-Based Capital Ratio Full Implementation 3Q19</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4%</td>
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<td></td>
<td></td>
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<td></td>
<td>0.4%</td>
<td>11.5%</td>
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<tr>
<td>-0.7%</td>
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<tr>
<td>14.7%</td>
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<td>-1.0%</td>
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</tr>
</tbody>
</table>

**Note:** These projections represent hypothetical estimates based on the Citi Severely Adverse Scenario with Dodd-Frank Capital Actions. These estimates are not forecasts of Citi’s expected pro forma capital ratios.

(1) Reflects pre-tax impact.
(2) Other includes impacts due to (i) losses from loans held-for-sale and loans accounted for under the fair value option, (ii) goodwill & intangibles amortization, (iii) issuance of employee stock compensation, (iv) accrued taxes, and (v) other income statement, and capital items.
## Key Drivers of Tier 1 Leverage Ratio

*(2Q17-3Q19; Citi Severely Adverse Scenario with Dodd-Frank Capital Actions)*

### Tier 1 Leverage Ratio

<table>
<thead>
<tr>
<th>2Q17</th>
<th>3Q19</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.9%</td>
<td>7.5%</td>
</tr>
<tr>
<td>-0.2%</td>
<td>-0.6%</td>
</tr>
<tr>
<td>9.7%</td>
<td>7.5%</td>
</tr>
<tr>
<td>-2.3%</td>
<td>-0.6%</td>
</tr>
</tbody>
</table>

**Key Drivers of Tier 1 Leverage Ratio**

1. **Tier 1 Leverage Ratio Transitional 2Q17**
2. **Impact of Full Implementation Phase In**
3. **Tier 1 Leverage Ratio Full Implementation 2Q17**
4. **Credit Losses/Provisions & AFS/HTM Net Losses (1)**
5. **Trading and Counterparty Losses (1)**
6. **Other Comprehensive Income**
7. **Net Change in DTA Disallowance**
8. **Preferred Dividends**
9. **Common Buybacks & Dividends**
10. **PPNR Operational Losses (1)**
11. **Change in Leverage Assets**
12. **Other (2)**

### Note:
These projections represent hypothetical estimates based on the Citi Severely Adverse Scenario with Dodd-Frank Capital Actions. These estimates are not forecasts of Citi’s expected pro forma capital ratios.

(1) Reflects pre-tax impact.

(2) Other includes impacts due to (i) losses from loans held-for-sale and loans accounted for under the fair value option, (ii) goodwill & intangibles amortization, (iii) issuance of employee stock compensation, (iv) accrued taxes, and (v) other income statement, and capital items.
Key Drivers of Supplementary Leverage Ratio
(2Q17-3Q19; Citi Severely Adverse Scenario with Dodd-Frank Capital Actions)

Supplementary Leverage Ratio

Note: These projections represent hypothetical estimates based on the Citi Severely Adverse Scenario with Dodd-Frank Capital Actions. These estimates are not forecasts of Citi’s expected pro forma capital ratios.

(1) Reflects pre-tax impact.
(2) Other includes impacts due to (i) losses from loans held-for-sale and loans accounted for under the fair value option, (ii) goodwill & intangibles amortization, (iii) issuance of employee stock compensation, (iv) accrued taxes, and (v) other income statement, and capital items.
Risk Types & Methodologies
## Risks Included in 2017 MCST (page 1 of 2)

<table>
<thead>
<tr>
<th>Risk Type</th>
<th>Description</th>
<th>Components</th>
<th>Examples</th>
</tr>
</thead>
</table>
| Credit Risk    | The potential for financial loss resulting from the failure of a borrower or counterparty to honor its financial or contractual obligations. | • Provision for Loan and Lease Losses  
• Counterparty Losses and Counterparty Default Scenario  
• Realized Gains / Losses on Securities  
• Risk-Weighted Assets | • Loan losses and allowance builds/releases  
• Credit exposure to counterparties through capital markets transactions  
• Credit-related other-than-temporary impairment for investment securities  
• Credit Risk RWA (as described on page 17) |
| Market Risk    | The potential loss that arises from fluctuations in the market value of positions, resulting from changes in the associated underlying market risk factors. | • Pre-Provision Net Revenue  
• Trading and Counterparty Losses  
• Other Losses  
• Risk-Weighted Assets | • Impact of market prices and interest rates on components of revenues and expenses across all business segments  
• Instantaneous revaluation of trading, private equity, and fair value exposures as well as incremental default risk (IDR) and credit valuation adjustment (CVA) losses under a global market shock scenario  
• Quarterly revaluation of loans held-for-sale or under a fair value option  
• Market Risk RWA (as described on page 17) |
| Operational Risk | Operational risk is the risk of loss resulting from inadequate or failed internal processes, people, systems, or from external events including litigation, reputation, and franchise risks. | • Pre-Provision Net Revenue | • Recurring events—i.e., low severity, relatively stable and predictable loss forecasts (example: credit card fraud events or processing errors)  
• Idiosyncratic events—i.e., low frequency/high severity losses, which often are the result of unique circumstances and bear minimal statistical relationship to macro scenario conditions (examples: cyber risk, rogue trader, retail sales practices, etc)  
• Legal—mature events vs developing events |

- The following pages provide details for each forecast component, segmented by key modeling units (Business, Product, etc.) where applicable.
## Risks Included in 2017 MCST (page 2 of 2)

<table>
<thead>
<tr>
<th>Risk Type</th>
<th>Description</th>
<th>Components</th>
<th>Examples</th>
</tr>
</thead>
</table>
| Funding & Liquidity Risk| The potential loss arising from the inability to access liquidity to meet all obligations as and when due | • Pre-Provision Net Revenue  
• Trading and Counterparty Losses  
• Realized Gains / Losses on Securities | • Higher funding costs resulting from deposit run-off, or due to widening Corporate Treasury issuance spreads  
• Market shocks associated with secured financing transactions  
• Reduced ability to monetize securities holdings (constrained market capacity, discounted market prices) as firms with similar securities pools take similar actions under stress |
| Strategic Risk           | The potential loss arising from external competitive factors, or formulation of inappropriate strategic and/or action plans, including poor execution of such plans. | • Pre-Provision Net Revenue  
• Provision for Loan and Lease Losses  
• DTA utilization | • Geopolitical events/tensions which result in lower PPNR (lower loan balances and investment spending, deposit outflows, etc.), and higher losses  
• Higher compensation ratios (relative to revenue) assumed in stressed environments to retain top talent  
• DTA forecasts and planning measures consider the firm's expected profits and losses in each scenario and directly inform expected tax expenses and regulatory capital calculations |

- The following pages provide details for each forecast component, segmented by key modeling units (Business, Product, etc.) where applicable.
Pre-Provision Net Revenue

- Pre-provision net revenue (PPNR) is defined as net interest income plus non-interest income less non-interest expense, which includes policyholder benefits and claims and operational risk expenses.
- PPNR is projected using models for each major business unit as shown below.
- Relies on historical relationships between loan/deposit balances, revenues, expenses, and relevant macroeconomic variables, adjusted by business management as appropriate.
- Operational risk expenses consider both recurring and idiosyncratic events, including legal losses.

<table>
<thead>
<tr>
<th>Major Business Units</th>
<th>Global Consumer Banking (GCB)</th>
<th>Institutional Clients Group (ICG)</th>
<th>Corporate / Other</th>
</tr>
</thead>
</table>
| Component Business Units | • North America Retail and Commercial Bank  
• North America Cards  
• North America Mortgage  
• Asia GCB (including certain EMEA markets)  
• Latin America GCB | • Global Markets  
• Global Banking  
• Private Bank  
• Treasury and Trade Solutions | • Treasury  
• Operations & Technology  
• Legacy non-core loans and portfolios  
• Global Functions  
• Other |
| Key Modeling Inputs | • GDP  
• Housing  
• Inflation  
• Unemployment rate  
• Interest rates  
• Foreign exchange (FX) rates | • GDP  
• Market indices  
• Volatility  
• Interest rates  
• Purchasing Managers index  
• Corporate bond spreads  
• FX rates | • Non-regression models  
• Run-off models |
| Business Activities | • Retail, small business and commercial loans and deposits  
• Mortgages  
• Credit cards (Citi Branded Cards and Retail Services)  
• Wealth management | • Corporate loans and deposits  
• Sales & Trading  
• Investment banking  
• Private banking  
• Asset management  
• Transaction services  
• Security Services | • Non-customer facing cost centers  
• Non-core assets |
Provisions for Loan and Lease Losses

- Loan losses are projected using product-specific models utilizing historical and expected relationships between credit performance and relevant macroeconomic variables.

### Major Loan Products

<table>
<thead>
<tr>
<th>Domestic Mortgages</th>
<th>Commercial &amp; Industrial and Commercial Real Estate</th>
<th>Credit Cards</th>
<th>Other Consumer</th>
<th>Other Loans</th>
</tr>
</thead>
</table>

### Loan Types

- Includes first and junior liens; closed-end and revolving
- Includes Commercial & Industrial (C&I) loans to obligors globally and domestic
- Commercial Real Estate (CRE) loans
- Includes bank and charge cards both domestically and internationally
- Includes global personal loans, student loans, auto loans, and other consumer loans
- Includes international real estate loans and a variety of non-retail loans

### Key Modeling Inputs

- Home Price Index (HPI) (CBSA level)
- Interest rates
- Unemployment rate (state level)
- Obligor and facility risk characteristics
- Multiple variables used for stress loss models (i.e. local GDP)
- C&I is also sensitive to the industry, product, and geography segmentation
- CRE variables include unemployment, Mortgage rates, and CRE Index
- Vintage
- Credit score
- Geography
- Unemployment rate (state level)
- GDP
- HPI
- Product type
- Geography
- Unemployment rate
- GDP

### Business Activities

- Domestic residential and home equity real estate portfolios in GCB, the Private Bank, and Corporate/Other
- Corporate and commercial loan and commercial real estate exposures in ICG, Private Bank, and the Commercial Bank
- North America cards (Citi-Branded Cards and Retail Services)
- Consumer and corporate credit card lending globally
- Includes portions of legacy portfolios in Corporate/Other, as well as personal loans in Mexico and Asia GCB
- International residential real estate in GCB, the Private Bank and Corporate/Other
- International commercial real estate and other loans in Commercial Bank and ICG
Trading and Counterparty Losses

- Trading and counterparty losses represent instantaneous losses under a global market shock scenario on Citi’s trading portfolios, CVA, FVA and other mark-to-market assets, inclusive of default losses.
- Consistent with FRB instructions, these instantaneous losses are reported in the first quarter of the projection period (3Q17) with no associated change to risk-weighted assets, GAAP assets, or PPNR.

<table>
<thead>
<tr>
<th>Trading / Counterparty Activities</th>
<th>Trading Book</th>
<th>Counterparty Credit Risk (CCR)</th>
<th>Incremental Default Risk (IDR)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Risk Types</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Equity, FX, interest rates, commodities, securitized products, traded credit, private equity, CVA hedges, other fair value assets</td>
<td>• Mark-to-market counterparty CVA and FVA for over-the-counter (OTC) derivative counterparties • CVA for all securities financing transaction (SFT) and central clearing parties (CCP) counterparties</td>
<td>• Trading IDR from securitized products and other credit sensitive instruments • Counterparty credit risk, reflected through the Counterparty Default Scenario</td>
<td></td>
</tr>
<tr>
<td><strong>Key Modeling Inputs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Equity spot and volatility • FX spot and volatility • Directional and basis rate risks • Interest rate volatility • Commodity spot and volatility • Agency and municipal spreads • Residential mortgage-backed securities, asset-backed securities, commercial mortgage-backed securities prices • Corporate and sovereign credit spreads for bonds and credit default swaps • Private equity carry values</td>
<td>• Equity spot and volatility • FX spot and volatility • Directional and basis rate risks • Interest rate volatility • Commodity spot and volatility • Agency and municipal spreads • Residential mortgage-backed securities, asset-backed securities, commercial mortgage-backed securities prices • Corporate and sovereign credit spreads for bonds and credit default swaps</td>
<td>• Probability of default and loss given default under stressed scenario • Jump-to-default exposure and risk rating by issuer • Bond, credit default swap, and equity losses under stressed scenario</td>
<td></td>
</tr>
<tr>
<td><strong>Business Units</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Global Markets • Corporate Portfolio Management • Corporate/Other</td>
<td>• Global Consumer Banking • Treasury and Trade Solutions • Corporate/Other • Citi Treasury</td>
<td>• Global Markets • Corporate Portfolio Management • Corporate/Other</td>
<td></td>
</tr>
</tbody>
</table>
Realized Gains/Losses on Securities and Other Losses

Realized Gains/Losses on Investment Securities

• Citi holds available-for-sale (AFS) and held to maturity (HTM) securities in its Corporate Treasury portfolio as well as within other individual businesses

• The inherent credit risk for most AFS and HTM securities is forecasted using product-specific cash flow models and tools which utilize a variety of macroeconomic factors (unemployment, GDP, HPI, etc.) depending on the security characteristics (including but not limited to country, collateral, and seniority)

• Loss estimates for the AFS and HTM portfolios are aligned to Citi’s established accounting methodology

Other Comprehensive Income (OCI)

• OCI impacts primarily reflect changes to unhedged foreign currency book capital (ASC 830), OCI from cash flow hedges (ASC 815), OCI from AFS securities (ASC 320), and OCI associated with Citi’s pension plans (ASC 715)

• The primary drivers for these categories are interest rates, credit spreads, mortality rates, actual plan returns versus expected returns, and foreign currency exchange rates

Other Losses/Gains

• Primarily reflects losses on loans which are held-for-sale (HFS) or under a fair value option (FVO)
  – Wholesale HFS and FVO loans are stressed using quarterly credit spreads to estimate changes in fair value. In addition, default losses are estimated using a ratings migration approach. Wholesale FVO loan hedges are subjected to similar methodologies to account for changes in value as well as obligor default, in line with regulatory guidance
  – Retail held-for-sale loans are generally assumed to be sold, at a determined price, due to the short timeframe to settlement; however, where appropriate, losses on HFS retail loans are included until the assumed divestiture date.
Risk-Weighted Assets (RWA)

Citi projected its RWA using Basel III RWA methodologies. Consistent with FRB instructions, Basel III RWA under the Citi Severely Adverse Scenario was limited to only the Standardized Approach.

Credit Risk RWA Projections

• Credit Risk RWA projections leverage Citi’s point-in-time Basel calculations and infrastructure built for compliance with these rules. These projections are based on corresponding on- and off-balance sheet forecasts.
• Risk-weight projections utilize prescribed regulatory rules and also consider risk parameters conditioned upon relevant scenario variables. These parameters include loss forecasts, obligor ratings, risk profile shifts in future delinquencies, and forecasts of country risk classification.
• Past due balance projections utilized for RWA are consistent across balance sheet and stress loss projections.

Market Risk RWA Projections

• Market Risk RWA forecasts depend upon whether the component is balance-driven or model-driven.
  – Balance-driven components include securitization and other exposures utilizing the standardized measurement method for specific risk.
  – Model-driven components include VaR and stressed VaR, Incremental Risk Capital and charges under Comprehensive Risk Measure.
• While balance-driven components are primarily driven by the corresponding balance projections, the model-driven components utilize quantitative methodologies that are scenario sensitive, capture changes in volatilities and test the sensitiveness to changes in trading exposures.
• Securitization exposures follow similar RWA projection methodologies, irrespective of whether these positions reside in the trading book or banking book.
Capital

In addition to the inclusion of estimated stress losses and PPNR, Citi’s hypothetical capital position under the Citi Severely Adverse Scenario is impacted by the following items:

Dodd-Frank Capital Actions

- As required by FRB rules, Dodd-Frank Capital Actions were included in Citi’s stressed risk-based capital ratios through the 9-quarter forecast horizon in the following aggregate amounts:

<table>
<thead>
<tr>
<th>Sources of Capital</th>
<th>Uses of Capital</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Issuance of Common Stock for Employee Compensation: $0.9B</td>
<td>- Common and Preferred Dividends: $7.9B</td>
</tr>
<tr>
<td></td>
<td>- 3Q17 Common Stock Buybacks: $5.5B</td>
</tr>
<tr>
<td></td>
<td>- Ordinary payments on TruPS &amp; Subordinated Debt: $3.1B</td>
</tr>
</tbody>
</table>

Transitional Capital Phase-in & Phase-out

- DTA and capital deductions are disallowed as defined under the Basel III Transition Arrangements.
- ASC 320/715 OCI neutralization phases out under the Basel III Transition Arrangements.
- After January 1, 2018, substantially all effects of the transitional rules will be fully implemented.

Deferred Tax Asset (DTA) Position

- Due to Citi’s current DTA position, future DTA accrual resulting from projected stress losses is limited; therefore, a portion of pre-tax stress losses results in a direct dollar-for-dollar reduction to net income.
- In the transitional capital calculations, to the extent that tax benefits can be realized in the stress scenarios, a portion of the benefits flows through to capital. These benefits, however, will be excluded when DTA and other capital deductions are fully phased-in.

Other Items Impacting Capital Position

- Movements in OCI impact Citi’s capital position, subject to the OCI neutralization phase-out noted above.
- Annual common stock awards from incentive compensation programs increase common equity, offset by compensation expense over the corresponding vesting period.