

Consolidated Citigroup
U.S. Liquidity Coverage Ratio Disclosure
For the quarterly period ended September 30, 2021



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Citigroup Inc.

U.S. Liquidity Coverage Ratio Disclosure

For the quarterly period ended 9/30/2021

Overview:

In 2014, federal banking agencies adopted the U.S. Liquidity Coverage Ratio (LCR) rule to help ensure that large banking organizations, such as Citigroup Inc. (Citigroup or Citi), maintain adequate levels of high-quality liquid assets (HQLA) to meet their liquidity needs under a short-term stress scenario. These banks generally must maintain an amount of HQLA equal to or greater than their projected total net cash outflows over a prospective 30-day period. The LCR rule defines three categories of HQLA—Level 1, Level 2A, and Level 2B liquid assets—and sets forth qualifying criteria for HQLA and limitations for an asset’s inclusion in the HQLA amount.

The LCR is calculated by dividing HQLA by estimated net outflows assuming a stressed 30-day period, with the net outflows determined by standardized stress outflow and inflow rates prescribed in the LCR rule. The outflows are partially offset by assumed inflows from assets maturing within 30 days. Similar to outflows, the inflows are calculated based on prescribed factors to various assets categories, such as retail loans as well as unsecured and secured wholesale lending. Banks are also required to calculate an additional outflow assumption to address potential maturity mismatches between contractual cash outflows and inflows within the 30-day period.

The disclosure template below sets forth Citi’s average HQLA, cash outflows, cash inflows and the resulting LCR for the period indicated, as required by the public disclosure requirements for the LCR rule. The “Unweighted Amount” column represents quarterly average balances for each category of the LCR calculation which have not been adjusted by the respective LCR factors. The “Weighted Amount” column represents the unweighted average amounts multiplied by the respective LCR factor for each category of the LCR calculation, as prescribed by the LCR rule.

Liquidity Coverage Ratio:

Consolidated Citigroup Average LCR for the quarter ended September 30, 2021 In millions of U.S. Dollars		9/30/2021	
		Average Unweighted Amount	Average Weighted Amount
HIGH-QUALITY LIQUID ASSETS			
1.	Total eligible high-quality liquid assets (HQLA), of which:	557,411	546,546
2.	Eligible level 1 liquid assets	494,918	494,918
3.	Eligible level 2A liquid assets	58,235	49,499
4.	Eligible level 2B liquid assets	4,259	2,129
CASH OUTFLOW AMOUNTS			
5.	Deposit outflow from retail customers and counterparties, of which:	451,788	49,410
6.	Stable retail deposit outflow	98,076	2,942
7.	Other retail funding	279,565	28,548
8.	Brokered deposit outflow	74,147	17,920
9.	Unsecured wholesale funding outflow, of which:	905,129	367,374
10.	Operational deposit outflow	473,613	118,302
11.	Non-operational funding outflow	404,028	221,585
12.	Unsecured debt outflow	27,488	27,488
13.	Secured wholesale funding and asset exchange outflow	396,090	89,691
14.	Additional outflow requirements, of which:	425,408	104,711
15.	Outflow related to derivative exposures and other collateral requirements	40,399	39,956
16.	Outflow related to credit and liquidity facilities including unconsolidated structured transactions and mortgage commitments	385,009	64,754
17.	Other contractual funding obligation outflow	982	982
18.	Other contingent funding obligations outflow	241,539	8,780
19.	TOTAL CASH OUTFLOW	2,420,937	620,948
CASH INFLOW AMOUNTS			
20.	Secured lending and asset exchange cash inflow	487,544	75,012
21.	Retail cash inflow	9,974	4,987
22.	Unsecured wholesale cash inflow	70,924	57,226
23.	Other cash inflows, of which:	13,921	13,921
24.	Net derivative cash inflow	6,266	6,266
25.	Securities cash inflow	1,011	1,011
26.	Broker-dealer segregated account inflow	6,644	6,644
27.	Other cash inflow	-	-
28.	TOTAL CASH INFLOW	582,363	151,146
			Average Amount¹
29.	HQLA AMOUNT		546,546
30.	TOTAL NET CASH OUTFLOW AMOUNT EXCLUDING MATURITY MISMATCH ADD-ON		469,802
31.	MATURITY MISMATCH ADD-ON		5,038
32.	TOTAL NET CASH OUTFLOW AMOUNT INCLUDING MATURITY MISMATCH ADD-ON		474,841
33.	LIQUIDITY COVERAGE RATIO (%)		115.1%

¹ The amounts reported in this column may not equal the calculation of those amounts using component amounts reported in rows 1-28 due to technical factors such as the application of the level 2 liquid asset caps, the total inflow cap, and for depository institution holding companies subject to subpart G, the application of the modification to total net cash outflows.

Main Drivers and Changes in LCR:

As set forth in the table above, Citi continued to maintain a strong average LCR above the 100% regulatory minimum. Citi's average LCR for the quarter ended September 30, 2021 was 115%. Citi's average LCR increased from 113% for the quarter ended June 30, 2021, primarily driven by lower funding needs in broker-dealer subsidiaries along with debt issuance in the latter part of the prior quarter.

Citi's average HQLA includes HQLA held by its operating entities that are eligible for inclusion in Citi's consolidated LCR. These amounts include the HQLA needed to meet the minimum requirements at these operating entities and any amounts in excess of these minimums that are assumed to be transferable to other entities within Citi.

For additional information about Citi's HQLA, see Citi's Third Quarter of 2021 Quarterly Report on Form 10-Q and 2020 Annual Report on Form 10-K.

Composition of High-Quality Liquid Assets:

Eligible Average-High Quality Liquid Assets for the quarter ended September 30, 2021 in millions of U.S. Dollars	Unweighted Amount	Weighted Amount
Central Bank Balances	258,543	258,543
Level 1 Securities	236,374	236,374
Eligible level 1 liquid assets	494,918	494,918
Eligible level 2A liquid assets	58,235	49,499
Eligible level 2B liquid assets	4,259	2,129
TOTAL ELIGIBLE HIGH-QUALITY LIQUID ASSETS (HQLA)	557,411	546,546

As set forth in the table above, approximately 91% of Citi's \$547 billion of average weighted HQLA consisted of Level 1 assets, which included deposits with Central Banks, U.S. Treasuries and foreign sovereign debt. As a percentage of total average HQLA, Level 1 assets mainly included approximately 47% of excess cash deposited at Central Banks, 32% of U.S. Treasuries, and 11% of foreign sovereign debt, principally government bonds from Japan, Mexico, Hong Kong, Korea and India. Citi held 71% of its average HQLA in U.S. Dollars (USD). In addition, approximately 9% of the average HQLA consisted of Level 2A assets, which primarily included U.S. agency and agency mortgage-backed securities, while less than 1% consisted of level 2B securities that largely consisted of municipal bonds.

Concentration of Funding Sources:

Citi's funding strategy is to maintain a funding profile that is diversified by structure, tenor and currency. Citi closely monitors and manages the tenor of its funding sources to ensure it can meet liquidity needs under different stress scenarios and different time horizons.

Citi's primary funding sources include (i) corporate and consumer deposits via Citi's bank subsidiaries, including Citibank, N.A. (CBNA), (ii) long-term debt (primarily senior and subordinated debt) mainly issued by Citigroup Inc., as the parent, and CBNA, and (iii) stockholders' equity. These sources may be supplemented by short-term borrowings, primarily in the form of secured funding transactions.

For CBNA, deposits represent the main funding source. In addition, to diversify its funding sources, CBNA accesses the capital markets through several mechanisms, including a CBNA benchmark note program, securitizations and Federal Home Loan Bank borrowings. Citi's non-bank entities are largely funded through a benchmark issuance program; long-term debt funding is supplemented with secured funding and structured note issuances.

Citi's global liquidity risk management policy addresses concentration of funding sources through a limit and trigger framework, including counterparty and tenor concentrations. For secured financing transactions, Citi takes into consideration the financing tenor and the quality of the underlying collateral. The concentrations are monitored daily and reported to Citi's Treasurer and the Treasury Chief Risk Officer (CRO). Breaches of limits and triggers are also reported to the Citigroup and CBNA Asset and Liability Committees (ALCOs). For additional information on Citi's liquidity risk management policy and its ALCOs, see "Liquidity Risk Management Function and Interaction with Other Functional Areas" below.

Derivatives Exposures and Potential Collateral Calls:

In the ordinary course of business, Citi enters into various types of derivative transactions, including bilateral transactions that are over-the-counter and transactions settled via exchanges with central counterparties. Citi enters into derivatives contracts covering interest rate, foreign currency, commodity and other market/credit risks for the purpose of trading and acting as a market maker or to hedge Citi's own risk profile.

During the life span of a derivatives transaction, Citi may be required to post initial margin or variation margin. The requirement to post margin can negatively impact Citi's funding and liquidity. In addition, ratings downgrades by the three major rating agencies may also have a negative impact on Citi's funding and liquidity due to reduced funding capacity and/or the need to post additional cash or securities collateral to counterparties.

Citi believes it maintains sufficient liquidity reserves to counter potential liquidity outflows from derivatives activities under various stress scenarios.

For additional information on potential collateral calls from derivatives, see Citi's Third Quarter of 2021 Quarterly Report on Form 10-Q and 2020 Annual Report on Form 10-K.

Currency Mismatch in LCR:

The U.S. LCR is calculated and reported on a consolidated basis and in a common currency, USD. As noted above, a majority of Citi's liquidity is held in USD, which can be readily converted to other currencies in the event of stress. To minimize liquidity mismatches, including currency mismatches in the LCR, Citi seeks to fund assets in the same currency and, at the same time, monitors the potential risk from foreign currency mismatches.

To the extent mismatches arise, Citi employs a comprehensive currency limits framework to assess foreign currency capacity to meet funding needs and the ability to convert currencies to provide liquidity buffer under stress conditions. The framework incorporates currency matching of projected cash flows through applying discounts and size and tenor restrictions to determine the foreign currency capacity required to cover USD shortfalls as well as shortfalls in other currencies under various volatility and stress scenarios. If the offset capacity is not sufficient to cover currency shortfalls, appropriate actions are taken to reduce the mismatch. The capacity and assumptions are reviewed and approved by Citi's independent Risk function.

Liquidity Risk Management Function and Interaction with Other Functional Areas:

Citi manages liquidity risk through a standardized global risk governance framework that includes Citi's liquidity risk management policy, methodology, processes and controls. The policy establishes standards for defining, measuring, limiting and reporting liquidity risk to ensure the transparency and comparability of liquidity risk-taking activities. The liquidity risk management policy is a global single policy document applicable to all countries and legal entities that comprise Citi. It is designed to ensure consistency across regions and adherence to the regulatory requirements. This is achieved through oversight of Country, Regional and Legal Entity Treasurers who reinforce governance in their respective regions. The liquidity risk management framework requires establishment of an appropriate risk appetite to ensure that each entity remains within its liquidity risk tolerance levels. Citi's Treasurer and the Treasury CRO oversee the policy. Citi's independent Risk function is responsible for governance of liquidity risk management and provides analytical challenge to the firm's liquidity risk management framework. The Citigroup and CBNA Boards of Directors review and approve liquidity management strategies and policies.

Citi's CRO and Chief Financial Officer co-chair Citigroup's ALCO, which includes Citi's Treasurer and other senior executives. The ALCO sets the strategy of the liquidity portfolio and monitors portfolio performance. Significant changes to portfolio asset allocations need to be approved by the ALCO. Citi also has other ALCOs, which are established at various organizational levels to ensure appropriate oversight for countries, significant businesses and regions, serving as the primary governance committees for managing Citi's balance sheet and liquidity. Pursuant to this approach, Citi's HQLA is managed with emphasis on asset-liability management and entity-level liquidity adequacy throughout Citi. As a supplement to ALCO, Citi's Funding and Liquidity Risk Committee (FLRC) is a more focused assembly for funding and liquidity risk matters. The FLRC reviews and discusses the funding and liquidity risk profile of,

as well as risk management practices for Citi and CBNA and reports its findings and recommendations to each relevant ALCO as appropriate.

Citi Corporate Treasury has overall responsibility for managing Citi's liquidity and HQLA. Liquidity management is carried out via a centralized treasury model in conjunction with regional and in-country treasurers, with oversight provided by Citi's independent Risk function.

For additional information on Citi's liquidity risk, liquidity risk management and HQLA, see Citi's Third Quarter of 2021 Quarterly Report on Form 10-Q and 2020 Annual Report on Form 10-K.