# Primary Dealer Monitoring: Liquidity Stress Analysis

June 25, 2008



FEDERAL RESERVE BANK of NEW YORK

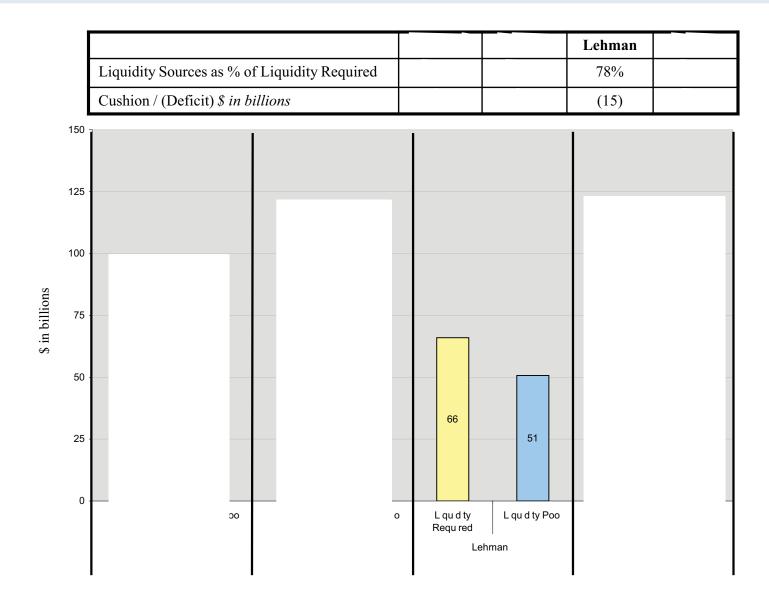
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## Liquidity Stress Analysis: Assumptions

As of dates: 5/22/08 - 6/10/08	Severity Assumption				
UNSECURED FUNDING - Percent not rolling					
Total Unsecured Funding	100%				
SECURED FUNDING - Percent not rolling					
Fixed Income Finance					
OMO Eligible	0%				
Liquid	20%				
Less Liquid	50%				
Illiquid	100%				
Equity Finance					
Liquid	20%				
Less Liquid	50%				
ON-BOARDING AND OTHER COMMITMENTS					
Off-Balance Sheet Assets On-Boarded	Institution Specific				
Loan Commitments/Other Contractual Uses	Institution Specific				
Other Liabilities/Commitments	Institution Specific				
OPERATING CASH FLOWS					
Prime Brokerage, Withdrawal of Free Credits	50%				
Prime Brokerage, Customer Shorts with Liquidity Risk	11%				
Prime Brokerage, Release of Lockup Cash Flows	90% - 100%				
Collateral Payments	Institution Specific				
Derivatives / Margin Mismatches: Payments / Receipts	100% / 90%				
ADDITIONAL FUNDING					
Affiliated and Unaffiliated Bank Lines	Institution Specific				

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# Summary of Results



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### **Detailed Cash Flows**

Exh	bit produced 6/23/08						
\$ in	\$ in billions, 4 Week Horizon, As of 5/22/08 - 6/10/08						
Liq	Liquidity Outflows						
1	Unsecured Funding: amount not rolling		14				
2	Secured Funding: amount not rolling		32				
3	On-Boarding and Other Commitments		8				
4	Operating Cash Flows: net outflows (sum of lines 4a - 4c)		13				
4a	Prime Brokerage		2				
4b	Collateral Payments		9				
4c	Derivatives/Margin Payment Mismatches		2				
5	Liquidity Required (sum of lines 1-4)		66				
Liquidity Sources							
6	Liquidity Sources (sum of lines 6a - 6c)		51				
6a	Broker Dealer Cash (available to fund B/D outflows only)		4				
6b	Parent Liquidity Pool (unrestricted)		38				
6c	Affiliated and Unaffiliated Bank Lines		9				
7 Cushion / (Deficit)		(15)					
8	Liquidity Sources / Liquidity Required (line 6 / line 5)		78%				
9	Secured Funding Outflow / Liquidity Sources						
9a	Secured Funding Outflow / Liquidity Sources (line 2 / line 6)		62%				
	Discussion Point: Reduction in Secured Funding Outflow						
9b	required to achieve a 33% ratio in line 9a <sup>1</sup>		15				
9c	$9c  \% \text{ Secured Funding} > 30 \text{ days}^2 \qquad \qquad$						

<sup>1</sup> Line  $9b = line 2 - (line 6^*.33)$ 

Secured Funding is >14 days.

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Lehman %

### **Observations and Conclusions**

		LEHMAN	1
*		* Lehman's weak liquidity position is	 1
		driven by its relatively large exposure to	
		overnight CP, combined with significant	
		overnight secured funding of less liquid	
		assets.	
		* Both one- and two-notch downgrades	
		would result in significant collateral calls.	
		C	
		* Lehman recognizes its vulnerabilities	
		and is trying to reduce illiquid assets and	
		extend maturities where possible. At	
		5/23/08, Lehman had $43%$ of its non-	
		OMO eligible secured liabilities maturing	
	· · · · · · · · · · · · · · · · · · ·	beyond 14 days.	
		* Lehman should improve its liquidity	
		position by \$15 billion. Its exposure to	
		rollover risk in non-OMO eligible	
		secured funding represents a large draw	
		on its liquidity sources (62%) and should	
		be reduced by further extensions in	
		maturity on these liabilities, sales of the	
		underlying assets or by increasing	
		liquidity sources to mitigate the risk.	

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