Federal Reserve Discount Window	-		ral Margins Table		
Effective Date: July	, 1, 2019 - Confirm	med July 8, 2020			
		ı	Margins for Securitie		
Securities			(% of market value)		
			Duration Buckets		
	0-1	>1-3	>3-5	>5-10	>10
U.S. Treasuries & Fully Guaranteed Agencies					
Bills, Notes, Bonds, Floating Rate Notes, and Inflation-Indexed	99%	99%	98%	97%	95%
STRIPS		g	96%		92%
Government Sponsored Enterprises	000/	1 000/	070/	0.50/	0.40/
Bills, Notes, and Bonds	98%	98%	97%	96%	94%
Foreign Government, Foreign Government Guaranteed, and Brady Bonds AAA-A rated - U.S. Dollar Denominated	98%	98%	97%	96%	94%
BBB rated - U.S. Dollar Denominated	97%	97%	96%	95%	93%
AAA-BBB rated - Foreign Denominated	94%	94%	93%	93%	91%
Foreign Government Agencies	3470	34/0	9370	9370	91/0
AAA-BBB U.S Dollar Denominated	98%	98%	97%	96%	94%
AAA rated - Foreign Denominated	3070	94%	3770	93%	91%
Supranationals		J-7/0		33/0	31/0
Bills, Notes, and Bonds - U.S. Dollar Denominated		97%		96%	94%
Bills, Notes, and Bonds - AAA rated - Foreign Denominated	94%	94%	93%	92%	90%
Corporate Bonds					
AAA rated - Financials - U.S. Dollar Denominated	98%	98%	97%	95%	93%
AA rated - Financials - U.S. Dollar Denominated	97%	97%	96%	94%	92%
A rated - Financials - U.S. Dollar Denominated	95%	94%	90%	90%	89%
BBB rated - Financials - U.S. Dollar Denominated	91%		87%		86%
AAA-A rated - Non Financial - U.S. Dollar Denominated	98%	98%	97%	95%	93%
BBB rated - Non Financial - U.S. Dollar Denominated	97%	96%	95%	93%	91%
AAA rated - Foreign Denominated	92%	92%	91%	90%	86%
German Jumbo Pfandbriefe					
AAA rated - U.S. Dollar Denominated	98%	98%	97%	96%	94%
AAA rated - Foreign Denominated		94%		93%	91%
Municipal Bonds					
AAA-BBB U.S. Dollar Denominated	98%	98%	97%	96%	93%
AAA rated - Foreign Denominated		91%		89%	87%
Asset Backed Securities	000/	I 000/	T 070/	0.40/	000/
AAA-A rated - U.S. Dollar Denominated	98%	98%	97%	94%	89%
BBB rated - U.S. Dollar Denominated	97%	97%	96%	93%	88%
Collateralized Debt Obligations - AAA rated U.S. Dollar Denominated	87%	87% 91%	85% 87%	77% 73%	64% 70%
Collateralized Loan Obligations - AAA rated U.S. Dollar Denominated Agency Backed Mortgages	91%	91%	8/%	/3%	70%
Pass-Throughs U.S. Dollar Denominated					
Collateralized Mortgage Obligations U.S. Dollar Denominated	98%	98%	97%	96%	94%
Commercial Mortgage Backed U.S. Dollar Denominated	3670	3670	3770	3070	3470
Non Agency Backed Mortgages					
Residential Mortgage Backed - AAA rated - U.S. Dollar Denominated			79%		
Residential Mortgage Backed - AA rated - U.S. Dollar Denominated			72%		68%
Residential Mortgage Backed - A rated - U.S. Dollar Denominated		(59%		67%
Residential Mortgage Backed - BBB rated - U.S. Dollar Denominated			66%		
Subprime RMBS - AAA rated - U.S. Dollar Denominated		89%		85%	81%
Subprime RMBS - AA rated - U.S. Dollar Denominated		85%		80%	80%
Subprime RMBS - A rated - U.S. Dollar Denominated			77%		
Subprime RMBS - BBB rated - U.S. Dollar Denominated			72%		
Commercial Mortgage Backed - AAA rated - U.S. Dollar Denominated	98%	96%	92%	87%	79%
TPS / CD / Commercial Paper					
Trust Preferred Securities - AAA-BBB rated - U.S. Dollar Denominated			89%		
Certificates of Deposit - U.S. Dollar Denominated	98%	98%	97%	96%	94%
Bankers' Acceptances, Commercial Paper, and Asset Backed Commercial					
Paper - AAA-BBB rated or equivalent short term rating - U.S. Dollar	98%	98%	97%		
Denominated					

	Margins fo	or Loans ^{2,3}
Individually Deposited Loans	(% of internal fair ma	arket value estimate)
	Fixed Rate Loans	Floating Rate Loans
Agricultural Loans		
Minimal Risk Rated	75%-95% [Link to Matrix]	82%-95% [Link to Matrix]
Normal Risk Rated	55%-93% [Link to Matrix]	51%-92% [Link to Matrix]
Commercial and Industrial Loans & Leases		
Minimal Risk Rated	74%-95% [Link to Matrix]	67%-95% [Link to Matrix]
Normal Risk Rated	46%-94% [Link to Matrix]	39%-92% [Link to Matrix]
US Agency Guaranteed Loans	92%-95% [Link to Matrix]	95%-95% [Link to Matrix]
Commercial Real Estate Loans		
Minimal Risk Rated	51%-95% [Link to Matrix]	48%-95% [Link to Matrix]
Normal Risk Rated	33%-89% [Link to Matrix]	26%-88% [Link to Matrix]
Construction Loans		
Minimal Risk Rated	20%-85% [Link to Matrix]	17%-86% [Link to Matrix]
Normal Risk Rated	19%-80% [Link to Matrix]	17%-80% [Link to Matrix]
Raw Land Loans		
Minimal Risk Rated	23%-77% [Link to Matrix]	17%-85% [Link to Matrix]
Normal Risk Rated	21%-80% [Link to Matrix]	6%-79% [Link to Matrix]
1-4 Family Mortgage Loans (first lien)	72%-95% [Link to Matrix]	62%-95% [Link to Matrix]
1-4 Family Mortgage Loans (second lien, home equity)	59%-94% [Link to Matrix]	62%-90% [Link to Matrix]
Consumer Loans - Unsecured	45%-94% [Link to Matrix]	68%-93% [Link to Matrix]
Consumer Loans & Leases (auto, boat, etc.)	48%-95% [Link to Matrix]	43%-91% [Link to Matrix]
Student Loans	58%-95% [Link to Matrix]	63%-95% [Link to Matrix]
Group Deposited Loans		
Consumer Loans - Credit Card Receivables	76	5%
Consumer Loans - Subprime Credit Card Receivables	71	L%

Notes:

Zero coupon bonds pledged in a collateral category other than US Treasury STRIPs will be subject to a margin reduction of 1% for securities with durations 0-10 and a reduction of 3% for securities with a duration greater than 10.

Margin ranges for loans are based on historical pledged assets and are meant to provide an estimate of potential value.

The ranges listed represent margins applied to the majority of loans pledged to the category. Use the corresponding link to access the full range of applicable margins.

			Agricult	ural Loans	s - Minima	l Risk Rate	d - Fixed R	ate			
Coupon					Matu	rity (Years	5)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	95%	92%	89%	86%	79%	70%	54%	49%
1	95%	95%	95%	95%	92%	90%	86%	80%	72%	60%	56%
2	95%	95%	95%	95%	93%	90%	87%	80%	73%	63%	60%
3	95%	95%	95%	95%	93%	90%	87%	81%	75%	66%	63%
4	95%	95%	95%	95%	93%	91%	88%	83%	77%	68%	66%
5	95%	95%	95%	95%	95%	94%	91%	86%	81%	74%	72%
6	95%	95%	95%	95%	95%	95%	95%	92%	87%	83%	82%
7	95%	95%	95%	95%	95%	95%	95%	95%	93%	91%	91%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

			Agricultu	ıral Loans	- Minimal	Risk Rated	- Floating	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	93%	90%	87%	84%	77%	69%	49%	44%
1	95%	95%	95%	92%	89%	85%	82%	76%	68%	50%	46%
2	95%	95%	95%	92%	88%	85%	82%	76%	69%	54%	50%
3	95%	95%	95%	92%	88%	85%	82%	77%	71%	58%	54%
4	95%	95%	95%	93%	91%	88%	86%	82%	77%	67%	64%
5	95%	95%	95%	95%	93%	92%	90%	87%	84%	77%	75%
6	95%	95%	95%	95%	95%	95%	94%	93%	91%	87%	87%
7	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

			Agricu	tural Loan	s - Norma	Risk Rate	d - Fixed R	ate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	92%	85%	78%	71%	65%	53%	40%	18%	13%
1	94%	94%	92%	85%	78%	72%	66%	55%	44%	29%	27%
2	94%	94%	92%	85%	79%	72%	67%	57%	46%	35%	34%
3	94%	94%	92%	85%	79%	73%	67%	58%	49%	38%	38%
4	94%	94%	92%	85%	79%	73%	68%	59%	51%	41%	40%
5	94%	94%	92%	85%	80%	74%	69%	61%	53%	43%	42%
6	94%	94%	92%	86%	80%	75%	70%	63%	55%	46%	45%
7	94%	94%	93%	87%	82%	77%	72%	65%	58%	50%	48%
8	94%	94%	94%	89%	84%	80%	76%	69%	62%	54%	53%
9	94%	94%	94%	91%	87%	83%	79%	73%	67%	60%	60%
10	94%	94%	94%	92%	89%	86%	82%	77%	72%	67%	66%
11	94%	94%	94%	94%	91%	88%	86%	81%	77%	72%	72%
12	94%	94%	94%	94%	93%	91%	89%	85%	81%	78%	78%
13	94%	94%	94%	94%	94%	93%	91%	89%	86%	83%	83%
14	94%	94%	94%	94%	94%	94%	94%	92%	89%	88%	88%
15	94%	94%	94%	94%	94%	94%	94%	94%	93%	92%	92%
>15	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%

			Agricult	ural Loans	- Normal R	isk Rated	- Floating	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	91%	83%	76%	69%	63%	53%	41%	21%	18%
1	94%	94%	90%	82%	75%	68%	62%	52%	42%	24%	21%
2	94%	94%	90%	82%	75%	68%	62%	53%	44%	28%	26%
3	94%	94%	90%	82%	75%	69%	63%	55%	46%	33%	31%
4	94%	94%	90%	82%	76%	70%	64%	56%	48%	36%	34%
5	94%	94%	91%	83%	76%	71%	66%	58%	51%	39%	38%
6	94%	94%	91%	84%	78%	72%	68%	61%	54%	44%	43%
7	94%	94%	92%	86%	80%	75%	71%	65%	59%	50%	49%
8	94%	94%	93%	87%	82%	78%	75%	69%	64%	57%	56%
9	94%	94%	94%	89%	85%	81%	78%	74%	69%	63%	62%
10	94%	94%	94%	91%	87%	84%	82%	78%	74%	69%	68%
11	94%	94%	94%	92%	90%	87%	85%	82%	79%	75%	75%
12	94%	94%	94%	94%	92%	90%	89%	86%	84%	81%	81%
13	94%	94%	94%	94%	94%	93%	92%	90%	89%	87%	87%
14	94%	94%	94%	94%	94%	94%	94%	94%	93%	92%	92%
15	94%	94%	94%	94%	94% ²	94%	94%	94%	94%	94%	94%
>15	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%

			US	Agency G	uaranteed	l Loans - Fi	xed Rate				
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	95%	95%	95%	95%	92%	89%	82%	79%
1	95%	95%	95%	95%	95%	95%	95%	93%	89%	84%	82%
2	95%	95%	95%	95%	95%	95%	95%	93%	91%	86%	84%
3	95%	95%	95%	95%	95%	95%	95%	95%	92%	89%	88%
4	95%	95%	95%	95%	95%	95%	95%	95%	95%	93%	92%
5	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
6	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
7	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

			US A	Agency Gu	aranteed I	Loans - Flo	ating Rate				
Coupon					Matu	rity (Years	5)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	95%	95%	95%	95%	95%	95%	92%	90%
1	95%	95%	95%	95%	95%	95%	95%	95%	94%	90%	88%
2	95%	95%	95%	95%	95%	95%	95%	95%	95%	92%	91%
3	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
4	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
5	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
6	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
7	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

		Co	mmercial	Loans & L	eases - Mi	nimal Risk	Rated - Fix	ked Rate			
Coupon					Matu	rity (Years	5)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	95%	92%	89%	86%	79%	70%	54%	49%
1	95%	95%	95%	95%	92%	90%	86%	80%	72%	60%	56%
2	95%	95%	95%	95%	93%	90%	87%	80%	73%	63%	60%
3	95%	95%	95%	95%	93%	90%	87%	81%	75%	66%	63%
4	95%	95%	95%	95%	93%	91%	88%	83%	77%	68%	66%
5	95%	95%	95%	95%	95%	94%	91%	86%	81%	74%	72%
6	95%	95%	95%	95%	95%	95%	95%	92%	87%	83%	82%
7	95%	95%	95%	95%	95%	95%	95%	95%	93%	91%	91%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

		Coı	mmercial L	oans & Le	ases - Min	imal Risk R	Rated - Floa	ating Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	93%	90%	87%	84%	77%	69%	49%	44%
1	95%	95%	95%	92%	89%	85%	82%	76%	68%	50%	46%
2	95%	95%	95%	92%	88%	85%	82%	76%	69%	54%	50%
3	95%	95%	95%	92%	88%	85%	82%	77%	71%	58%	54%
4	95%	95%	95%	93%	91%	88%	86%	82%	77%	67%	64%
5	95%	95%	95%	95%	93%	92%	90%	87%	84%	77%	75%
6	95%	95%	95%	95%	95%	95%	94%	93%	91%	87%	87%
7	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

		С	ommercia	l Loans & L	.eases - No	rmal Risk	Rated - Fix	ed Rate			
Coupon					Matu	urity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	92%	85%	78%	71%	65%	53%	40%	18%	13%
1	94%	94%	92%	85%	78%	72%	66%	55%	44%	29%	27%
2	94%	94%	92%	85%	79%	72%	67%	57%	46%	35%	34%
3	94%	94%	92%	85%	79%	73%	67%	58%	49%	38%	38%
4	94%	94%	92%	85%	79%	73%	68%	59%	51%	41%	40%
5	94%	94%	92%	85%	80%	74%	69%	61%	53%	43%	42%
6	94%	94%	92%	86%	80%	75%	70%	63%	55%	46%	45%
7	94%	94%	93%	87%	82%	77%	72%	65%	58%	50%	48%
8	94%	94%	94%	89%	84%	80%	76%	69%	62%	54%	53%
9	94%	94%	94%	91%	87%	83%	79%	73%	67%	60%	60%
10	94%	94%	94%	92%	89%	86%	82%	77%	72%	67%	66%
11	94%	94%	94%	94%	91%	88%	86%	81%	77%	72%	72%
12	94%	94%	94%	94%	93%	91%	89%	85%	81%	78%	78%
13	94%	94%	94%	94%	94%	93%	91%	89%	86%	83%	83%
14	94%	94%	94%	94%	94%	94%	94%	92%	89%	88%	88%
15	94%	94%	94%	94%	94%	94%	94%	94%	93%	92%	92%
>15	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%

		Со	mmercial I	Loans & Le	ases - Nori	mal Risk R	ated - Floa	ting Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	91%	83%	76%	69%	63%	53%	41%	21%	18%
1	94%	94%	90%	82%	75%	68%	62%	52%	42%	24%	21%
2	94%	94%	90%	82%	75%	68%	62%	53%	44%	28%	26%
3	94%	94%	90%	82%	75%	69%	63%	55%	46%	33%	31%
4	94%	94%	90%	82%	76%	70%	64%	56%	48%	36%	34%
5	94%	94%	91%	83%	76%	71%	66%	58%	51%	39%	38%
6	94%	94%	91%	84%	78%	72%	68%	61%	54%	44%	43%
7	94%	94%	92%	86%	80%	75%	71%	65%	59%	50%	49%
8	94%	94%	93%	87%	82%	78%	75%	69%	64%	57%	56%
9	94%	94%	94%	89%	85%	81%	78%	74%	69%	63%	62%
10	94%	94%	94%	91%	87%	84%	82%	78%	74%	69%	68%
11	94%	94%	94%	92%	90%	87%	85%	82%	79%	75%	75%
12	94%	94%	94%	94%	92%	90%	89%	86%	84%	81%	81%
13	94%	94%	94%	94%	94%	93%	92%	90%	89%	87%	87%
14	94%	94%	94%	94%	94%	94%	94%	94%	93%	92%	92%
15	94%	94%	94%	94%	94% ⁴	94%	94%	94%	94%	94%	94%
>15	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%

		Cor	nmercial F	Real Estate	Loans - M	linimal Ris	k Rated - F	ixed Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	94%	89%	85%	80%	75%	65%	54%	31%	25%
1	95%	95%	94%	90%	85%	80%	75%	66%	56%	38%	35%
2	95%	95%	94%	90%	85%	81%	76%	68%	58%	43%	40%
3	95%	95%	94%	90%	86%	81%	77%	69%	61%	47%	44%
4	95%	95%	95%	91%	87%	83%	79%	72%	64%	51%	49%
5	95%	95%	95%	93%	90%	86%	83%	76%	69%	58%	56%
6	95%	95%	95%	95%	92%	89%	86%	81%	75%	66%	65%
7	95%	95%	95%	95%	94%	92%	90%	85%	81%	74%	73%
8	95%	95%	95%	95%	95%	95%	93%	90%	86%	82%	81%
9	95%	95%	95%	95%	95%	95%	95%	93%	91%	88%	88%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	93%	93%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

		Com	mercial Re	eal Estate I	oans - Mi	nimal Risk	Rated - Flo	oating Rat	е		
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	94%	88%	82%	77%	72%	64%	53%	30%	25%
1	95%	95%	93%	87%	81%	76%	71%	63%	53%	32%	28%
2	95%	95%	93%	87%	81%	76%	71%	63%	54%	36%	32%
3	95%	95%	93%	87%	82%	78%	73%	66%	58%	42%	39%
4	95%	95%	94%	89%	85%	81%	77%	71%	64%	51%	48%
5	95%	95%	95%	91%	87%	84%	81%	76%	71%	60%	58%
6	95%	95%	95%	93%	90%	88%	85%	81%	77%	69%	67%
7	95%	95%	95%	95%	93%	91%	89%	86%	83%	78%	76%
8	95%	95%	95%	95%	95%	94%	93%	91%	89%	86%	86%
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	94%
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

		Co	mmercial	Real Estate	e Loans - N	ormal Risl	k Rated - F	ixed Rate			
Coupon					Matu	irity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	89%	80%	71%	64%	57%	44%	31%	10%	6%
1	94%	94%	89%	80%	72%	64%	58%	47%	35%	21%	20%
2	94%	94%	89%	80%	72%	65%	59%	48%	38%	27%	26%
3	94%	94%	89%	80%	73%	66%	60%	50%	40%	30%	30%
4	94%	94%	89%	81%	73%	66%	61%	51%	42%	33%	33%
5	94%	94%	89%	81%	74%	67%	62%	53%	44%	36%	35%
6	94%	94%	90%	82%	75%	68%	63%	55%	47%	38%	38%
7	94%	94%	91%	83%	76%	70%	65%	58%	50%	42%	41%
8	94%	94%	92%	85%	79%	73%	69%	61%	54%	47%	46%
9	94%	94%	92%	86%	81%	76%	72%	65%	59%	52%	51%
10	94%	94%	93%	88%	83%	79%	75%	69%	63%	57%	57%
11	94%	94%	94%	90%	85%	82%	78%	73%	68%	63%	62%
12	94%	94%	94%	91%	88%	84%	81%	77%	72%	68%	68%
13	94%	94%	94%	93%	90%	87%	84%	80%	77%	73%	73%
14	94%	94%	94%	94%	92%	89%	87%	84%	81%	78%	78%
15	94%	94%	94%	94%	94%	91%	90%	87%	85%	82%	82%
>15	94%	94%	94%	94%	94%	94%	92%	90%	88%	87%	86%

		Con	nmercial R	eal Estate	Loans - No	rmal Risk	Rated - Flo	ating Rate	<u> </u>		
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	94%	89%	79%	70%	62%	55%	43%	31%	12%	10%
1	94%	94%	88%	78%	69%	61%	54%	43%	31%	16%	13%
2	94%	93%	88%	78%	69%	61%	54%	44%	33%	20%	19%
3	94%	93%	88%	78%	69%	62%	55%	46%	36%	24%	23%
4	94%	93%	88%	78%	70%	63%	57%	47%	38%	27%	26%
5	94%	94%	88%	79%	71%	64%	58%	50%	41%	30%	29%
6	94%	94%	89%	80%	72%	66%	61%	53%	45%	35%	34%
7	94%	94%	90%	81%	75%	69%	64%	57%	49%	40%	39%
8	94%	94%	91%	83%	77%	72%	67%	61%	54%	46%	45%
9	94%	94%	91%	85%	79%	74%	71%	65%	59%	51%	51%
10	94%	94%	92%	86%	81%	77%	74%	69%	64%	57%	56%
11	94%	94%	93%	88%	84%	80%	77%	73%	68%	63%	62%
12	94%	94%	94%	90%	86%	83%	80%	77%	73%	68%	68%
13	94%	94%	94%	91%	88%	86%	84%	81%	78%	74%	74%
14	94%	94%	94%	93%	91%	89%	87%	84%	82%	80%	79%
15	94%	94%	94%	94%	93% ⁵	91%	90%	88%	87%	85%	85%
>15	94%	94%	94%	94%	94%	94%	93%	92%	91%	90%	90%

			Constru	ction Loan	ıs - Minima	l Risk Rate	ed - Fixed I	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	91%	83%	70%	58%	49%	41%	28%	17%	2%	1%
1	95%	91%	83%	70%	59%	50%	42%	31%	20%	10%	10%
2	95%	91%	83%	70%	59%	50%	43%	32%	23%	14%	14%
3	95%	91%	83%	71%	60%	51%	44%	34%	25%	18%	17%
4	95%	91%	84%	71%	61%	52%	46%	36%	28%	20%	20%
5	95%	92%	85%	72%	62%	54%	48%	39%	31%	23%	23%
6	95%	92%	86%	74%	65%	57%	51%	42%	34%	27%	27%
7	95%	93%	86%	76%	67%	59%	54%	45%	38%	31%	31%
8	95%	93%	87%	77%	69%	62%	57%	49%	42%	36%	35%
9	95%	94%	88%	79%	71%	65%	60%	52%	46%	40%	40%
10	95%	94%	89%	80%	73%	67%	63%	56%	50%	45%	44%
11	95%	95%	90%	82%	75%	70%	65%	59%	54%	49%	49%
12	95%	95%	91%	84%	77%	72%	68%	63%	58%	53%	53%
13	95%	95%	92%	85%	79%	75%	71%	66%	62%	58%	57%
14	95%	95%	93%	87%	82%	77%	74%	69%	65%	62%	62%
15	95%	95%	93%	88%	84%	80%	77%	73%	69%	66%	66%
>15	95%	95%	94%	90%	85%	82%	79%	76%	73%	70%	70%

			Construc	tion Loans	- Minimal	Risk Rated	d - Floating	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	91%	83%	70%	58%	48%	40%	28%	17%	5%	5%
1	95%	91%	82%	68%	57%	47%	40%	28%	18%	8%	7%
2	95%	90%	82%	68%	57%	48%	40%	30%	20%	11%	10%
3	95%	90%	82%	69%	58%	49%	42%	32%	23%	14%	13%
4	95%	91%	83%	70%	59%	51%	44%	35%	26%	18%	17%
5	95%	91%	84%	71%	61%	53%	47%	38%	30%	22%	21%
6	95%	92%	85%	73%	63%	56%	50%	41%	34%	27%	26%
7	95%	92%	86%	74%	66%	58%	53%	45%	38%	31%	30%
8	95%	93%	86%	76%	68%	61%	56%	48%	42%	36%	35%
9	95%	93%	87%	78%	70%	64%	59%	52%	46%	40%	40%
10	95%	94%	88%	79%	72%	66%	62%	56%	50%	45%	44%
11	95%	94%	89%	81%	74%	69%	65%	59%	54%	49%	49%
12	95%	94%	90%	82%	76%	72%	68%	63%	58%	54%	53%
13	95%	95%	91%	84%	78%	74%	71%	66%	62%	58%	58%
14	95%	95%	92%	85%	81%	77%	74%	70%	66%	62%	62%
15	95%	95%	93%	87%	83%	79%	77%	73%	70%	67%	67%
>15	95%	95%	93%	89%	85%	82%	80%	76%	74%	71%	71%

			Constru	iction Loai	ns - Norma	l Risk Rate	ed - Fixed F	Rate			
Coupon					Matu	rity (Year	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	89%	79%	64%	51%	40%	32%	20%	10%	1%	0%
1	94%	89%	79%	64%	51%	41%	34%	23%	14%	9%	9%
2	94%	89%	79%	64%	52%	42%	35%	25%	17%	13%	13%
3	94%	89%	80%	64%	52%	43%	36%	27%	20%	17%	16%
4	94%	89%	80%	65%	53%	44%	37%	28%	22%	19%	19%
5	94%	89%	80%	65%	54%	45%	39%	30%	24%	21%	21%
6	94%	89%	80%	66%	54%	46%	40%	32%	26%	23%	23%
7	94%	89%	80%	66%	56%	48%	41%	34%	28%	24%	24%
8	94%	90%	81%	68%	57%	49%	43%	36%	30%	27%	27%
9	94%	90%	82%	69%	59%	52%	46%	38%	33%	30%	29%
10	94%	91%	83%	71%	61%	54%	48%	41%	36%	33%	33%
11	94%	91%	84%	72%	63%	56%	51%	44%	39%	36%	36%
12	94%	92%	85%	74%	65%	58%	54%	47%	43%	40%	39%
13	94%	92%	86%	75%	67%	61%	56%	50%	46%	43%	43%
14	94%	93%	86%	77%	69%	63%	59%	53%	49%	46%	46%
15	94%	93%	87%	78%	71%	65%	61%	56%	52%	49%	49%
>15	94%	94%	88%	79%	73%	68%	64%	59%	55%	53%	53%

			Construc	tion Loans	s - Normal I	Risk Rated	l - Floating	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	89%	79%	63%	50%	39%	31%	20%	11%	4%	4%
1	94%	88%	78%	62%	49%	39%	31%	20%	12%	6%	6%
2	94%	88%	78%	62%	49%	39%	32%	22%	14%	9%	9%
3	94%	88%	78%	62%	50%	40%	33%	24%	17%	12%	12%
4	94%	88%	78%	63%	50%	41%	35%	26%	19%	15%	14%
5	94%	88%	79%	63%	51%	43%	36%	28%	21%	17%	17%
6	94%	88%	79%	64%	52%	44%	38%	30%	24%	19%	19%
7	94%	89%	80%	65%	54%	46%	40%	32%	26%	22%	22%
8	94%	89%	80%	66%	56%	48%	42%	35%	29%	26%	25%
9	94%	90%	81%	68%	58%	50%	45%	38%	33%	29%	29%
10	94%	90%	82%	69%	60%	53%	47%	41%	36%	32%	32%
11	94%	91%	83%	71%	62%	55%	50%	44%	39%	36%	35%
12	94%	91%	84%	72%	64%	57%	53%	47%	42%	39%	39%
13	94%	92%	85%	74%	65%	60%	55%	49%	45%	42%	42%
14	94%	92%	86%	75%	67%	62%	58%	52%	49%	46%	46%
15	94%	92%	86%	77%	69% ⁶	64%	60%	55%	52%	49%	49%
>15	94%	93%	87%	78%	71%	66%	63%	58%	55%	53%	52%

			Raw La	and Loans	- Minimal	Risk Rated	l - Fixed Ra	ite			
Coupon					Matu	rity (Years	5)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	91%	83%	70%	58%	49%	41%	28%	17%	2%	1%
1	95%	91%	83%	70%	59%	50%	42%	31%	20%	10%	10%
2	95%	91%	83%	70%	59%	50%	43%	32%	23%	14%	14%
3	95%	91%	83%	71%	60%	51%	44%	34%	25%	18%	17%
4	95%	91%	84%	71%	61%	52%	46%	36%	28%	20%	20%
5	95%	92%	85%	72%	62%	54%	48%	39%	31%	23%	23%
6	95%	92%	86%	74%	65%	57%	51%	42%	34%	27%	27%
7	95%	93%	86%	76%	67%	59%	54%	45%	38%	31%	31%
8	95%	93%	87%	77%	69%	62%	57%	49%	42%	36%	35%
9	95%	94%	88%	79%	71%	65%	60%	52%	46%	40%	40%
10	95%	94%	89%	80%	73%	67%	63%	56%	50%	45%	44%
11	95%	95%	90%	82%	75%	70%	65%	59%	54%	49%	49%
12	95%	95%	91%	84%	77%	72%	68%	63%	58%	53%	53%
13	95%	95%	92%	85%	79%	75%	71%	66%	62%	58%	57%
14	95%	95%	93%	87%	82%	77%	74%	69%	65%	62%	62%
15	95%	95%	93%	88%	84%	80%	77%	73%	69%	66%	66%
>15	95%	95%	94%	90%	85%	82%	79%	76%	73%	70%	70%

			Raw La	nd Loans -	Minimal R	isk Rated	- Floating F	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	91%	83%	70%	58%	48%	40%	28%	17%	5%	5%
1	95%	91%	82%	68%	57%	47%	40%	28%	18%	8%	7%
2	95%	90%	82%	68%	57%	48%	40%	30%	20%	11%	10%
3	95%	90%	82%	69%	58%	49%	42%	32%	23%	14%	13%
4	95%	91%	83%	70%	59%	51%	44%	35%	26%	18%	17%
5	95%	91%	84%	71%	61%	53%	47%	38%	30%	22%	21%
6	95%	92%	85%	73%	63%	56%	50%	41%	34%	27%	26%
7	95%	92%	86%	74%	66%	58%	53%	45%	38%	31%	30%
8	95%	93%	86%	76%	68%	61%	56%	48%	42%	36%	35%
9	95%	93%	87%	78%	70%	64%	59%	52%	46%	40%	40%
10	95%	94%	88%	79%	72%	66%	62%	56%	50%	45%	44%
11	95%	94%	89%	81%	74%	69%	65%	59%	54%	49%	49%
12	95%	94%	90%	82%	76%	72%	68%	63%	58%	54%	53%
13	95%	95%	91%	84%	78%	74%	71%	66%	62%	58%	58%
14	95%	95%	92%	85%	81%	77%	74%	70%	66%	62%	62%
15	95%	95%	93%	87%	83%	79%	77%	73%	70%	67%	67%
>15	95%	95%	93%	89%	85%	82%	80%	76%	74%	71%	71%

			Raw L	and Loans	- Normal	Risk Rated	- Fixed Ra	te			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	89%	79%	64%	51%	40%	32%	20%	10%	1%	0%
1	94%	89%	79%	64%	51%	41%	34%	23%	14%	9%	9%
2	94%	89%	79%	64%	52%	42%	35%	25%	17%	13%	13%
3	94%	89%	80%	64%	52%	43%	36%	27%	20%	17%	16%
4	94%	89%	80%	65%	53%	44%	37%	28%	22%	19%	19%
5	94%	89%	80%	65%	54%	45%	39%	30%	24%	21%	21%
6	94%	89%	80%	66%	54%	46%	40%	32%	26%	23%	23%
7	94%	89%	80%	66%	56%	48%	41%	34%	28%	24%	24%
8	94%	90%	81%	68%	57%	49%	43%	36%	30%	27%	27%
9	94%	90%	82%	69%	59%	52%	46%	38%	33%	30%	29%
10	94%	91%	83%	71%	61%	54%	48%	41%	36%	33%	33%
11	94%	91%	84%	72%	63%	56%	51%	44%	39%	36%	36%
12	94%	92%	85%	74%	65%	58%	54%	47%	43%	40%	39%
13	94%	92%	86%	75%	67%	61%	56%	50%	46%	43%	43%
14	94%	93%	86%	77%	69%	63%	59%	53%	49%	46%	46%
15	94%	93%	87%	78%	71%	65%	61%	56%	52%	49%	49%
>15	94%	94%	88%	79%	73%	68%	64%	59%	55%	53%	53%

			Raw La	nd Loans -	Normal R	isk Rated -	Floating R	Rate			
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	94%	89%	79%	63%	50%	39%	31%	20%	11%	4%	4%
1	94%	88%	78%	62%	49%	39%	31%	20%	12%	6%	6%
2	94%	88%	78%	62%	49%	39%	32%	22%	14%	9%	9%
3	94%	88%	78%	62%	50%	40%	33%	24%	17%	12%	12%
4	94%	88%	78%	63%	50%	41%	35%	26%	19%	15%	14%
5	94%	88%	79%	63%	51%	43%	36%	28%	21%	17%	17%
6	94%	88%	79%	64%	52%	44%	38%	30%	24%	19%	19%
7	94%	89%	80%	65%	54%	46%	40%	32%	26%	22%	22%
8	94%	89%	80%	66%	56%	48%	42%	35%	29%	26%	25%
9	94%	90%	81%	68%	58%	50%	45%	38%	33%	29%	29%
10	94%	90%	82%	69%	60%	53%	47%	41%	36%	32%	32%
11	94%	91%	83%	71%	62%	55%	50%	44%	39%	36%	35%
12	94%	91%	84%	72%	64%	57%	53%	47%	42%	39%	39%
13	94%	92%	85%	74%	65%	60%	55%	49%	45%	42%	42%
14	94%	92%	86%	75%	67%	62%	58%	52%	49%	46%	46%
15	94%	92%	86%	77%	69% ⁷	64%	60%	55%	52%	49%	49%
>15	94%	93%	87%	78%	71%	66%	63%	58%	55%	53%	52%

	1-4 Family Mortgage Loans (first lien) - Fixed Rate											
Coupon					Matu	rity (Years	s)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	95%	95%	94%	93%	91%	88%	84%	73%	70%	
1	95%	95%	95%	95%	94%	93%	91%	88%	84%	73%	70%	
2	95%	95%	95%	95%	94%	93%	91%	88%	84%	73%	70%	
3	95%	95%	95%	95%	94%	93%	92%	88%	84%	73%	70%	
4	95%	95%	95%	95%	95%	94%	92%	89%	85%	75%	72%	
5	95%	95%	95%	95%	95%	95%	93%	91%	87%	78%	76%	
6	95%	95%	95%	95%	95%	95%	95%	93%	90%	82%	80%	
7	95%	95%	95%	95%	95%	95%	95%	95%	93%	87%	86%	
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	92%	91%	
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	

	1-4 Family Mortgage Loans (first lien) - Floating Rate											
Coupon					Matu	rity (Years	5)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	95%	95%	93%	91%	89%	86%	80%	68%	64%	
1	95%	95%	95%	94%	92%	90%	88%	84%	79%	66%	62%	
2	95%	95%	95%	94%	92%	90%	88%	84%	79%	66%	62%	
3	95%	95%	95%	94%	92%	90%	88%	84%	79%	67%	63%	
4	95%	95%	95%	95%	93%	91%	90%	86%	82%	71%	68%	
5	95%	95%	95%	95%	95%	93%	92%	89%	86%	77%	75%	
6	95%	95%	95%	95%	95%	95%	94%	92%	90%	84%	82%	
7	95%	95%	95%	95%	95%	95%	95%	95%	94%	91%	90%	
8	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
9	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
10	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	

		1-4 F	amily Mo	rtgage Loa	ns (second	lien, hom	e equity) -	Fixed Rat	e		
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	93%	90%	87%	84%	80%	74%	61%	58%
1	95%	95%	95%	93%	90%	87%	84%	80%	74%	61%	58%
2	95%	95%	95%	93%	90%	87%	84%	80%	74%	61%	58%
3	95%	95%	95%	93%	90%	87%	84%	80%	74%	61%	58%
4	95%	95%	95%	93%	90%	87%	85%	80%	74%	61%	58%
5	95%	95%	95%	93%	90%	87%	85%	81%	75%	62%	59%
6	95%	95%	95%	93%	91%	88%	86%	82%	76%	64%	61%
7	95%	95%	95%	94%	92%	90%	88%	84%	79%	68%	65%
8	95%	95%	95%	95%	94%	92%	90%	86%	82%	72%	70%
9	95%	95%	95%	95%	95%	93%	92%	89%	85%	77%	75%
10	95%	95%	95%	95%	95%	95%	94%	91%	89%	82%	81%
11	95%	95%	95%	95%	95%	95%	95%	94%	91%	87%	86%
12	95%	95%	95%	95%	95%	95%	95%	95%	94%	90%	90%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%	93%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

	1-4 Family Mortgage Loans (second lien, home equity) - Floating Rate											
Coupon					Matu	rity (Years	s)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	95%	92%	90%	87%	85%	80%	74%	61%	58%	
1	95%	95%	95%	92%	89%	87%	84%	79%	74%	61%	57%	
2	95%	95%	95%	92%	89%	86%	84%	79%	74%	61%	57%	
3	95%	95%	95%	92%	89%	87%	84%	80%	74%	61%	58%	
4	95%	95%	95%	92%	90%	87%	85%	80%	75%	63%	59%	
5	95%	95%	95%	93%	90%	88%	85%	81%	76%	65%	62%	
6	95%	95%	95%	93%	91%	89%	87%	83%	79%	69%	67%	
7	95%	95%	95%	95%	92%	91%	89%	86%	82%	74%	72%	
8	95%	95%	95%	95%	94%	92%	91%	88%	85%	79%	77%	
9	95%	95%	95%	95%	95%	94%	93%	91%	89%	84%	83%	
10	95%	95%	95%	95%	95%	95%	95%	93%	92%	88%	88%	
11	95%	95%	95%	95%	95%	95%	95%	95%	94%	92%	92%	
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	

			Co	nsumer Lo	oans - Uns	ecured - Fi	xed Rate				
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	93%	90%	83%	77%	72%	67%	59%	50%	34%	31%
1	95%	93%	90%	83%	77%	72%	67%	59%	50%	34%	31%
2	95%	93%	90%	83%	77%	72%	67%	59%	50%	34%	31%
3	95%	93%	90%	83%	77%	72%	67%	59%	50%	34%	31%
4	95%	94%	90%	83%	77%	72%	67%	59%	50%	35%	32%
5	95%	94%	90%	84%	78%	73%	68%	60%	51%	36%	33%
6	95%	94%	91%	85%	79%	74%	70%	62%	53%	38%	35%
7	95%	95%	91%	86%	81%	76%	72%	64%	56%	41%	38%
8	95%	95%	92%	87%	82%	77%	73%	66%	58%	45%	42%
9	95%	95%	93%	88%	83%	79%	75%	69%	61%	48%	45%
10	95%	95%	93%	89%	84%	80%	77%	71%	64%	51%	49%
11	95%	95%	94%	89%	86%	82%	79%	73%	66%	55%	53%
12	95%	95%	94%	90%	87%	84%	81%	75%	69%	59%	57%
13	95%	95%	95%	91%	88%	85%	82%	77%	72%	62%	61%
14	95%	95%	95%	92%	89%	87%	84%	80%	74%	66%	65%
15	95%	95%	95%	93%	91%	88%	86%	82%	77%	70%	68%
>15	95%	95%	95%	94%	92%	90%	88%	84%	80%	73%	72%

	Consumer Loans - Unsecured - Floating Rate											
Coupon					Matu	rity (Years	s)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	93%	90%	82%	76%	71%	66%	58%	48%	32%	29%	
1	95%	93%	89%	82%	76%	70%	65%	57%	47%	31%	28%	
2	95%	93%	89%	82%	75%	70%	65%	57%	47%	31%	28%	
3	95%	93%	89%	82%	75%	70%	65%	57%	48%	32%	28%	
4	95%	93%	89%	82%	76%	70%	66%	58%	49%	33%	30%	
5	95%	93%	90%	83%	77%	72%	67%	59%	51%	35%	32%	
6	95%	94%	90%	84%	78%	73%	69%	62%	53%	39%	36%	
7	95%	94%	91%	85%	79%	75%	71%	64%	56%	42%	39%	
8	95%	95%	91%	86%	81%	76%	72%	66%	58%	45%	43%	
9	95%	95%	92%	87%	82%	78%	74%	68%	61%	49%	46%	
10	95%	95%	93%	88%	83%	79%	76%	70%	64%	52%	50%	
11	95%	95%	93%	89%	85%	81%	78%	72%	66%	56%	54%	
12	95%	95%	94%	90%	86%	83%	80%	75%	69%	60%	58%	
13	95%	95%	94%	91%	87%	84%	82%	77%	72%	64%	62%	
14	95%	95%	95%	91%	88%	86%	83%	79%	75%	67%	66%	
15	95%	95%	95%	92%	90%	87%	85%	82%	78%	71%	70%	
>15	95%	95%	95%	93%	91%	89%	87%	84%	81%	75%	75%	

	Consumer Loans & Leases (auto, boat, etc.) - Fixed Rate											
Coupon					Matu	rity (Years	5)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	92%	87%	83%	78%	74%	67%	59%	43%	40%	
1	95%	95%	92%	87%	83%	78%	74%	67%	59%	43%	40%	
2	95%	95%	92%	87%	83%	78%	74%	67%	59%	43%	40%	
3	95%	95%	92%	87%	83%	78%	74%	67%	59%	43%	40%	
4	95%	95%	92%	87%	83%	78%	75%	68%	60%	44%	40%	
5	95%	95%	93%	88%	83%	79%	75%	69%	61%	45%	42%	
6	95%	95%	93%	89%	85%	81%	77%	71%	63%	48%	44%	
7	95%	95%	94%	90%	86%	83%	79%	73%	66%	52%	49%	
8	95%	95%	95%	91%	87%	84%	81%	76%	69%	56%	53%	
9	95%	95%	95%	92%	89%	86%	83%	78%	72%	60%	58%	
10	95%	95%	95%	93%	90%	88%	85%	81%	75%	64%	62%	
11	95%	95%	95%	94%	92%	89%	87%	83%	78%	69%	67%	
12	95%	95%	95%	95%	93%	91%	89%	85%	81%	73%	72%	
13	95%	95%	95%	95%	94%	92%	91%	88%	84%	77%	76%	
14	95%	95%	95%	95%	95%	94%	93%	90%	87%	81%	80%	
15	95%	95%	95%	95%	95%	95%	94%	92%	89%	85%	84%	
>15	95%	95%	95%	95%	95%	95%	95%	94%	92%	89%	88%	

	Consumer Loans & Leases (auto, boat, etc.) - Floating Rate											
Coupon					Matu	rity (Years	s)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	92%	87%	82%	77%	73%	66%	57%	40%	36%	
1	95%	95%	92%	86%	81%	76%	72%	65%	56%	39%	35%	
2	95%	95%	91%	86%	80%	76%	72%	64%	56%	38%	34%	
3	95%	95%	91%	86%	81%	76%	72%	65%	56%	39%	35%	
4	95%	95%	92%	86%	81%	76%	72%	65%	57%	41%	37%	
5	95%	95%	92%	87%	82%	78%	74%	67%	59%	43%	40%	
6	95%	95%	93%	88%	83%	79%	76%	70%	62%	47%	44%	
7	95%	95%	93%	89%	85%	81%	78%	72%	65%	51%	48%	
8	95%	95%	94%	90%	86%	83%	80%	74%	68%	55%	53%	
9	95%	95%	94%	91%	87%	84%	82%	77%	71%	60%	57%	
10	95%	95%	95%	92%	89%	86%	84%	79%	74%	64%	62%	
11	95%	95%	95%	93%	90%	88%	86%	82%	77%	69%	67%	
12	95%	95%	95%	94%	92%	90%	88%	84%	81%	73%	72%	
13	95%	95%	95%	95%	93%	91%	90%	87%	84%	78%	77%	
14	95%	95%	95%	95%	94%	93%	92%	90%	87%	82%	82%	
15	95%	95%	95%	95%	95%	95%	94%	92%	90%	87%	86%	
>15	95%	95%	95%	95%	95%	95%	95%	94%	93%	91%	91%	

Tables on This Page <u>Student Loans - Fixed Rate</u> <u>Student Loans - Floating Rate</u>

Student Loans - Fixed Rate											
Coupon					Matu	rity (Years	s)				
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20
0	95%	95%	95%	93%	91%	88%	86%	81%	75%	62%	58%
1	95%	95%	95%	93%	91%	88%	86%	81%	75%	62%	58%
2	95%	95%	95%	93%	91%	88%	86%	81%	75%	62%	58%
3	95%	95%	95%	93%	91%	88%	86%	81%	75%	62%	58%
4	95%	95%	95%	93%	91%	89%	86%	82%	76%	63%	59%
5	95%	95%	95%	94%	92%	89%	87%	83%	77%	64%	61%
6	95%	95%	95%	95%	93%	91%	89%	85%	79%	68%	65%
7	95%	95%	95%	95%	94%	93%	91%	87%	83%	72%	70%
8	95%	95%	95%	95%	95%	94%	93%	90%	86%	78%	76%
9	95%	95%	95%	95%	95%	95%	95%	93%	90%	83%	81%
10	95%	95%	95%	95%	95%	95%	95%	95%	92%	87%	86%
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	91%	91%
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	94%
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%

	Student Loans - Floating Rate											
Coupon					Matu	rity (Years	5)					
(%)	0.25	0.5	1	2	3	4	5	7	10	20	>20	
0	95%	95%	95%	93%	90%	87%	84%	79%	73%	58%	54%	
1	95%	95%	95%	92%	89%	86%	83%	78%	72%	57%	53%	
2	95%	95%	95%	92%	89%	86%	83%	78%	72%	57%	53%	
3	95%	95%	95%	92%	89%	86%	83%	78%	72%	57%	53%	
4	95%	95%	95%	92%	89%	86%	84%	79%	73%	59%	55%	
5	95%	95%	95%	93%	90%	88%	85%	81%	76%	63%	60%	
6	95%	95%	95%	94%	92%	90%	88%	84%	79%	69%	66%	
7	95%	95%	95%	95%	93%	91%	90%	87%	83%	74%	72%	
8	95%	95%	95%	95%	95%	93%	92%	90%	87%	80%	78%	
9	95%	95%	95%	95%	95%	95%	94%	93%	91%	86%	85%	
10	95%	95%	95%	95%	95%	95%	95%	95%	94%	92%	91%	
11	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
12	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
13	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
14	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	
>15	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	