### Deutsche Bank Research



Global North America

# US Credit Strategy

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# Quantifying the Fed's universe of potential corporate bond purchases

Last Thursday we discussed the unprecedented move the Federal Reserve made to further backstop the corporate bond market. In this note we take a more detailed look at the potential universe available to the Fed based on the limits as outlined in the term sheets. Our analysis focuses primarily on the \$250bn SMCCF facility, where we make the following observations:

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- While the Fed provided no guidance on potential pace of purchases, given the maximum size of the facility and the preliminary program termination date of September 30, 2020, this could imply gross monthly purchases under the SMCCF of ~\$50bn assuming the programme started on May 1.
- We estimate the total size of both the ETF and corporate bond universe available to the Federal Reserve excluding ETF and issuer limits to be \$1,660.9bn.
- Applying issuer limits, the universe of potential purchases is \$421.0bn.
   Therefore, given the size of the SMCCF, this implies that the Fed could purchase up to 59% of the potential universe.
- The size of the US IG ETF universe in terms of assets is \$167.1bn, of which the Fed could purchase up to \$33.4bn based on the 20% issuer limit.
- The size of the US HY ETF universe in terms of assets is \$50.5bn of which the Fed could purchase up to \$10.1bn based on the 20% issuer limit.
- The size of the corporate bond universe available to the Fed is \$1,443.4bn, of which the Fed could purchase up to \$377.5bn based on the 10% issuer limit.

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#### Summary of SMCCF universe

Figure 1 provides a summary of the SMCCF universe available to the Fed. Note that we have used the 20% limit on ETFs (of total assets) and 10% limit on corporate bonds (of an issuer's total debt). For corporate bonds only, as per the term sheet we only include bonds that have a maturity of five years or less, and follow the applicable rating restrictions including that for fallen angels. A point of possible contention is the definition of a "major" nationally recognized statistical rating organization (NRSRO). Typically there are 10 NRSROs including S&P, Moody's and Fitch. However given the challenge of getting issuer ratings from less familiar rating agencies, we have only included ratings from S&P, Moody's, Fitch and DBRS. It is our expectation that these four agencies combined would be most relevant when looking at issuer level ratings.

Figure 1: Summary of SMCCF Eligible Universe

		#		Total (\$b	on)
Asset	Funds	Issuers	Bonds	No Limit	Limit Applied
Investment Grade ETFs	60			167.1	33.4
High Yield ETFs	56			50.5	10.1
Corporate Bonds		528	2,104	1,443.4	377.5
Total	116	527	2,102	1,660.9	421.0

Source : Deutsche Bank

Note: ETF limit based on 20% of ETF assets and Corporate Bond limit based on 10% of an issuers' total debt.

On the following pages we provide a more detailed breakdown of each universe.

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# Appendix 1: Investment Grade ETFs

In <u>Figure 2</u> we show the universe of IG ETFs available to the Fed and include both the size of total assets and that available when applying the 20% issuer limit.

Figure 2: IG ETF Universe for SMCCF

Ticker	Name		Fund Assets ( Total	\$m) 20% Limit
110101	Trains	Total	167,092	33,418
LQD US	iShares iBoxx \$ Investment Gra		43,617	8,723
VCIT US	Vanguard Intermediate-Term Cor		26,596	5,319
VCSH US	Vanguard Short-Term Corporate		22,863	4,573
IGSB US	iShares Short-Term Corporate B		13,158	2,632
IGIB US	iShares Intermediate-Term Corp		8,082	1,616
FLOT US	iShares Floating Rate Bond ETF		7,991	1,598
SPSB US	SPDR Portfolio Short Term Corp		5,765	1,153
SPIB US	SPDR Portfolio Intermediate Te		5,038	1,008
USIG US	iShares Broad USD Investment G		3,904	781
VCLT US	Vanguard Long-Term Corporate B		3,819	764
FLRN US	SPDR Bloomberg Barclays Invest		2,845	569
SLQD US	iShares 0-5 Year Investment Gr		1,983	397
IGLB US	iShares Long-Term Corporate Bo		1,839	368
BSCL US	Invesco BulletShares 2021 Corp		1,766	353
BSCM US	Invesco BulletShares 2022 Corp		1,731	346
BSCK US	Invesco BulletShares 2020 Corp		1,549	310
IBDM US	iShares iBonds Dec 2021 Term C		1,353	271
IBDN US	iShares iBonds Dec 2022 Term C		1,153	231
IBDL US	iShares iBonds Dec 2020 Term C		1,143	229
BSCN US	Invesco BulletShares 2023 Corp		1,106	221
IBDO US	iShares iBonds Dec 2023 Term C		978	196
BSCO US	Invesco BulletShares 2024 Corp		859	172
IBDP US	iShares iBonds Dec 2024 Term C		748	150
CORP US	PIMCO Investment Grade Corpora		613	123
FLCO US	Franklin Liberty Investment Gr		567	113
SPLB US	SPDR Portfolio Long Term Corpo		561	112
IBDQ US	iShares iBonds Dec 2025 Term C		554	111
GIGB US	Goldman Sachs Access Investmen		464	93
BSCP US	Invesco BulletShares 2025 Corp		456	91
FLTR US	VanEck Vectors Investment Grad		454	91
IBDR US	iShares iBonds Dec 2026 Term C		380	76
VTC US	Vanguard Total Corporate Bond		360	72
IBDS US	iShares iBonds Dec 2027 Term C		260	52
SUSB US	iShares ESG 1-5 Year USD Corpo		245	49
BSCQ US	Invesco BulletShares 2026 Corp		201	40
LQDH US	iShares Interest Rate Hedged C		183	37
CEMB US	iShares JP Morgan EM Corporate		155	31
BSCR US	Invesco BulletShares 2027 Corp		149	30
IBND US	SPDR Bloomberg Barclays Intern		149	30
FCOR US	Fidelity Corporate Bond ETF		145	29
IBDT US	iShares iBonds Dec 2028 Term C		136	27
SPBO US	SPDR Portfolio Corporate Bond		134	27
SKOR US	FlexShares Credit-Scored US Co		124	25
SUSC US	iShares ESG USD Corporate Bond		116	23
IBD US	Inspire Corporate Bond Impact		109	22
PICB US	Invesco International Corporat		108	22
IG US	Principal Investment Grade Cor		104	21
BSCS US	Invesco BulletShares 2028 Corp		102	20
IGEB US	iShares Edge Investment Grade		88	18
PFIG US	Invesco Fundamental Investment		63	13
IBDU US	iShares iBonds Dec 2029 Term C		60	12
EMCB US	WisdomTree Emerging Markets Co		26	5
LKOR US	FlexShares Credit-Scored US Lo		26	5
IBCE US	iShares iBonds Mar 2023 Term C		26	5
SPXB US	ProShares S&P 500 Bond ETF		24	5
BSCT US	Invesco BulletShares 2029 Corp		18	4
WFIG US	WisdomTree US Corporate Bond F		16	3
SFIG US	WisdomTree US Short Term Corpo		15	3
LQDI US	iShares Inflation Hedged Corpo		8	2
IGIH US	X-Trackers Investment Grade Bo		4	1
	A Trackers invocations diade by		-	



## Appendix 2: High Yield ETFs

In <u>Figure 3</u> we show the universe of HY ETFs available to the Fed and include both the size of total assets and that available when applying the 20% issuer limit.

Figure 3: HY ETF Universe for SMCCF

			Fund Assets (\$	Sm)
Ticker	Name		Total	20% Limit
		Total	50,451	10,090
HYG US	iShares iBoxx High Yield Corpo		15,758	3,152
JNK US	SPDR Bloomberg Barclays High Y		9,369	1,874
USHY US	iShares Broad USD High Yield C		4,227	845
SHYG US	iShares 0-5 Year High Yield Co		3,673	735
HYLB US	Xtrackers USD High Yield Corpo		3,628	726
SJNK US	SPDR Bloomberg Barclays Short		2,826	565
ANGL US	VanEck Vectors Fallen Angel Hi		1,580	316
HYLS US	First Trust Exchange-Traded Fu		1,231	246
HYS US	PIMCO 0-5 Year High Yield Corp		1,179	236
BSJL US	Invesco BulletShares 2021 High		941	188
BSJK US	Invesco BulletShares 2020 High		856	171
BSJM US	Invesco BulletShares 2022 High		646	129
PHB US	Invesco Fundamental High Yield		568	114
BSJN US	Invesco BulletShares 2023 High		348	70
EMHY US	iShares J.P. Morgan EM High Yi		325	65
HYEM US	VanEck Vectors Emerging Market		299	60
SJB US	ProShares Short High Yield		208	42
PGHY US	Invesco Global Short Term High		195	39
FALN US	iShares Fallen Angels USD Bond		173	35
GHYG US	iShares US & International Hig		163	33
BSJO US	Invesco BulletShares 2024 High		157	31
HYDW US	Xtrackers Low Beta High Yield		150	30
HYZD US	WisdomTree Interest Rate Hedge		141	28
HYGV US	FlexShares High Yield Value-Sc		140	28
FLHY US	Franklin Liberty High Yield Co		138	28
HYUP US	Xtrackers High Beta High Yield		130	26
JPHY US	JPMorgan High Yield Research E		112	22
BSJP US	Invesco BulletShares 2025 High		111	22
HYLD US	High Yield ETF		103	21
FDHY US	Fidelity High Yield Factor ETF		103	21
SPHY US	SPDR Portfolio High Yield Bond		101	20
IHY US	VanEck Vectors International H		100	20
HYHG US	ProShares High Yield-Interest		100	20
HYGH US	iShares Interest Rate Hedged H		90	18
GHYB US	Goldman Sachs Access High Yiel		61	12
BSJQ US	Invesco Bulletshares 2026 High		53	11
NUHY US	Nuveen ESG High Yield Corporat		47	9
HYLV US	IQ S&P High Yield Low Volatili		47	9
HYXE US	iShares iBoxx \$ High Yield ex		41	8
HYXU US	iShares International High Yie		41	8
WFHY US	WisdomTree US High Yield Corpo		37	7
HYDB US	iShares Edge High Yield Defens		36	7
PHYL US	PGIM Active High Yield Bond ET		28	6
IBHE US	iShares iBonds 2025 Term High		25	5
SFHY US	WisdomTree US Short Term High		23	5
SHYL US	Xtrackers Short Duration High		19	4
IBHA US	iShares iBonds 2021 Term High		19	4
IBHB US	iShares iBonds 2022 Term High		18	4
IBHC US	iShares iBonds 2023 Term High		15	3
BSJR US	Invesco BulletShares 2027 High		14	3
HYND US	WisdomTree WisdomTree Negative		13	3
IBHD US	iShares iBonds 2024 Term High		13	3
KCCB US	Kraneshares CCBS China Corpora		11	2
HYIH US	X-trackers High Yield Corp Bon		10	2
BLHY US	Virtus Newfleet Dynamic Credit		8	2
UJB US	ProShares Ultra High Yield		5	1
Source : Deutsche Bank	-			

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### Appendix 3: Corporate Bonds

In this final section we show the universe of corporate bonds available to the Fed. Within this we show the issuers' total debt, total debt with a maturity of less than 5 years and then the amount of debt with a maturity of less than 5 years the Fed could potentially purchase after applying the 10% issuer limit.

Figure 4: Corporate Bond Universe for SMCCF

			uer Rating		Issuer Tota		Issuer Total (<5y		Issuer Total (<5y Matur	
Ticker A	Sector Healthcare	Moodys Baa2	S&P BBB+	Fitch BBB+	1,800	Bonds 4	1,000	Bonds 2	Debt 180	Bonds 2
AAP	Retail	Baa2	BBB-	DDD+	750	2	750	2	75	2
AAPL	Technology & Electronics	Aa1	AA+		75,000	42	35,000	21	7,500	21
ABBV	Healthcare	Baa2	A- *-		60,919	23	21,621	10	6,092	10
ABC	Healthcare	Baa2	A-	A-	3,250	6	1,500	3	325	3
ABT	Healthcare	A3	A-		12,286	11	2,800	3	1,229	3
ACC ACGCAP	Real Estate Financial Services	Baa2 Baa2	BBB BBB-	BBB-	2,000 4,850	5 8	800 3,300	2 5	200 485	2 5
ADBE	Technology & Electronics	A2	ддд- А	DDD-	4,150	5	2,000	3	415	3
ADI	Technology & Electronics	Baa1	BBB		4,300	8	1,900	4	430	4
ADM	Consumer Goods	A2	A	Α	5,325	10	895	2	532	2
ADP	Services	Aa3	AA		2,000	2	1,000	1	200	1
ADSK	Technology & Electronics	Baa2	BBB		1,650	4	350	1	165	1
AEE	Utility	A2	BBB+	BBB+	8,090	21	1,850	5	809	5
AEP	Utility	A2	A-	A-	17,370	47	3,225	9	1,737	9
AER	Financial Services	Baa3	DDD	BBB-	2,900	4 5	2,900 809	4 2	290	4 2
AES AET	Utility Healthcare	Baa3 Baa2	BBB BBB	BBB- BBB+	1,844 6,729	9	3,050	3	184 673	3
AFL	Insurance	A3	A-	WD	3,407	7	1,900	3	341	3
AGN	Healthcare	Baa3			15,492	12	11,286	8	1,549	8
AGR	Utility	A3	A-	BBB+	3,050	6	1,050	2	305	2
AHL	Insurance	Baa1	BBB		300	1	300	1	30	1
AIG	Insurance	Baa1	BBB+	A-	19,902	24	7,046	10	1,990	10
AIZ	Insurance	Baa3	BBB	WD	1,575	5	650	2	158	2
ALACN	Financial Services	4.0	BBB	BBB	12,050	20	8,650	14	1,205	14
ALACN ALB	Energy Basic Industry	A2 Baa2	BBB BBB	ВВВ	300 1,075	1	300 425	1	30 108	1 1
ALL	Insurance	A3	A-	A-	5,305	10	500	1	500	1
ALLE	Basic Industry	Baa3		BBB-	1,200	3	400	1	120	1
AMAT	Technology & Electronics	A3	A-		5,350	7	1,350	2	535	2
AMG	Financial Services	A3	BBB+		750	2	400	1	75	1
AMGN	Healthcare	Baa1	A-	BBB+	27,600	27	8,600	9	2,760	9
AMP	Financial Services	A3	A		2,300	4	1,800	3	230	3
AMT	Telecommunications	Baa3	BBB-	BBB	16,650	22	8,200	11	1,665	11
AMTD	Financial Services	A2	A	Δ.	2,950	5	1,650	3	295	3
AMZN AN	Retail Retail	A2 Baa3	AA- BBB-	A+ BBB-	23,122 1,500	13 4	7,500 750	6 2	2,312 150	6 2
ANTM	Healthcare	Baa2	A	BBB+	18,806	23	7,400	9	1,881	9
AON	Insurance	Baa2	A-	BBB+ *-	3,277	7	1,100	2	328	2
APA	Energy	Baa3	BB+	BBB	7,388	10	756	2	739	2
APD	Basic Industry	A2	Α		1,200	3	1,200	3	120	3
APH	Technology & Electronics	Baa1	BBB+		2,845	6	1,445	4	285	4
APO	Financial Services		Α	Α	2,275	5	500	1	228	1
AQUARN	Utility	Baa2	A-	222	360	1	360	1	36	1
ARCC	Financial Services	Dog 1	BBB-	BBB	3,600	5	2,850	4 2	360 608	4
ARE ARES	Real Estate Financial Services	Baa1	BBB+ BBB+	BBB+	6,075 250	13	1,150 250	1	25	2 1
ARW	Technology & Electronics	Baa3	BBB-	BBB-	2,000	5	1,500	4	200	4
ATH	Insurance	Dado	555		4,475	7	2,975	5	448	5
ATVI	Media	Baa1	BBB+		2,700	5	1,050	2	270	2
AVA	Utility	A3	BBB		625	2	250	1	63	1
AVB	Real Estate	A3	A-		5,900	15	1,350	4	590	4
AVGO	Technology & Electronics	Baa3	222	200	25,757	12	14,242	8	2,576	8
AVT AVY	Technology & Electronics Consumer Goods	Baa3	BBB- BBB	BBB-	1,500 1,000	4	950 500	3 2	150 100	3 2
AWK	Utility	Baa2 Baa1	А		6,825	13	925	2	683	2
AXS	Insurance	Baa1	,,		1,825	5	500	1	183	1
AYR	Financial Services	Baa3	BBB-	BBB	3,600	7	2,950	6	360	6
AZO	Retail	Baa1	BBB	BBB	4,200	10	2,750	7	420	7
BA	Capital Goods	Baa2	BBB *-	BBB	19,298	40	4,948	13	1,930	13
BAPTST	Healthcare	A1			500	2	250	1	50	1
BAX	Healthcare	Baa1	A-	A-	2,124	5	400	1	212	1
BBY BDN	Retail Real Fatata	Baa1 Baa3	BBB BBB-		1,150	2	650 700	1 2	115 150	1 2
BDX	Real Estate Healthcare	Ba1	BBB	BBB-	1,500 12,419	11	7,919	7	1,242	7
BEN	Financial Services	A2	A+	555-	700	2	7,313	,	70	2
BFB	Consumer Goods	A1	A-		1,600	5	550	2	160	2
BG	Consumer Goods	Baa3		BBB-	2,800	5	1,500	3	280	3
BGCP	Financial Services		BBB-	BBB-	1,035	3	1,035	3	103	3
BHI	Energy	A3			5,619	5	1,250	1	562	1
BIIB	Healthcare	Baa1	A-		6,000	4	2,500	2	600	2
BIO	Healthcare	Baa2	BBB BBB+	BBB	425	1	425	1	43	1
BKH BKNG	Utility Tachnology & Flactronics	Baa2 A3	A-	BBB+	2,625 2,500	4	525 1,000	1 2	263 250	1
BLK	Technology & Electronics Financial Services	A3 Aa3	A- AA-		5,200	6	2,500	3	520	2 3
BMY	Healthcare	Ad3 A2	A+	A-	37,779	30	12,668	13	3,778	13
BNSF	Transportation	A3	A+	7	20,400	34	5,375	10	2,040	10
	Services	Baa1	BBB+	BBB+	1,650	3	400	1	165	1
BR	OCI VICCO									
BR BRK	Financial Services	Aa2		AA-	16,800	16	6,675	8	1,680	8



Figure 5: Corporate Bond Universe for SMCCF

BIRNALE   Unity				ssuer Rating		Issuer To		Issuer Total (<5y		ssuer Total (<5y Maturit	
BRO					Fitch						Bonds 12
BRX											1
Biox   Heathboard   Biox   B					BBB-						4
BMY   Frenty							10		2		2
DX		Automotive									2
DAY   Float Estate   Bas   A			Baa3								4
CAN   Communications			D1		A+				-		1
CACO			Ваат	A-	DDD						5 2
Death Charlow   Death Charlo			Baa3	BBB-							4
CANTON    Financial Services   BBR   BBR   BBR   975   2   975   2   98											6
CATHIEL Matthbares  Ball Matthbares  Bal	CANTOR			BBB-	BBB-		2		2	98	2
CATHEN   Healthcare											5
CATMED Healthcare  CB entance				Α	А						27
CBG   Insurance   Baal   B884   B886   D250   12   24.275   5   976   1   1   1   1   1   1   1   1   1											2
CBG									-		3 5
CET				RRR±							1
Col.   Telecommunications											i
Corner					ВВВ				7		7
CEL   Basic Industry   Bas3   BBB-	CCL		Baa3	BBB- *-			1	700	1	70	1
CELG   Healthcare   A+ BBB+ BBB+ BBB+ BBB+ BBB+ BBB+ BBB+					BBB+						1
CHD   Consumer Goods			Baa3								3
CHH Leisure   Bau3   BB+   1,575   4   700   2   153   CHH Leisure   Bau3   BB-   BB-   800   2   400   1   80   CHA Leisure   Bau3   BB-   BB-   800   2   2   200   CH Authors   Bau2   A BB   2,806   2   2,208   CH CH Consumer Goods   A3   AA-   CH CH Consumer Goods   A3   AA-   CH Energy   Bal					200						1
CHH Leisure   Bana   BBH   BB   20,500   2   400   1   20,500   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   1   2,600   2   2,600   1   2,600   2			42		BBB+						1 2
CITADL. Financial Services											1
CITADL Financial Services   B8B   1,000   2   500   1   100   110					BBB						11
CITCOR			5002								1
CLX	CITCOR		Baa2	BBB+				800	2	130	2
CMCSA Media A3 A- A- 71,388 53 11,500 2 345 15.00		Consumer Goods									7
CMCSA         Media         A3         A-         A-         71,368         53         11,572         10         7,136         11           CME         Finnocial Services         A3         AA-         AA-         A3,460         5         1,500         2         345         5           CMS         Utility         Baal         BBB-         BBB-         1,250         3         500         1         125         C           CNA         Insurance         Baa2         A-         A-         2,450         5         900         2         2436         3           CNA         Insurance         Baa1         BBB-         BBB-         1,893         2         4,346         4         1,489           COP         Linity         A3         A         ABB-         BBB-         1,893         2         2,348         8         688         688         698         6					BBB-						3
CME         Financial Services         A.3         AA-         AA-         3,450         5         1,500         2         345         2           CMI         Automotive         A.2         A+         B.88         BB8+         BB8         7,200         21         1,500         5         720         1           CNA         Insurance         Baa1         BB8-         BB8-         BB8-         1,500         5         724         2         245         1         2         245         1         2         245         1         2         245         1         2         245         1         2         2         245         1         2         2         245         1         2         2         245         3         3         1         1,888         8         8         8         1,888         7         2         3         3         4         1,888         7         2         3         3         4         1,888         6         1         1         225         3         3         4         1,488         6         4         9         8         2         785         2         2,785         2         2         78											3
CMS											10
CMS Utility Ban1 BBB+ BBB 7,200 21 1,500 5 720 245 CNC NA Insurance Ban2 A- A- A- C,450 5 950 2 245 CNC CNA Insurance Ban1 BBB- BBB- BBB- 14,893 9 4,346 4 1,489 CNP Utility A2 BBB+ BBB- 14,893 9 4,346 4 1,489 COLPIN Energy A3 A A 2,2175 6 275 1 218 COLPIN Energy A3 A A 2,175 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 2,175 6 6 275 1 218 COLPIN Energy A3 A A 3 A 4 30 COLPIN Energy A3 A A 4,300 5 3,300 4 430 COLPIN Energy A3 A A 4,300 5 6 3,300 4 430 COLPIN Energy A3 A A 2,249 3 750 1 225 COLPIN Energy A3 A A 2,249 3 750 1 225 COLPIN Energy A3 A A 2,249 3 750 1 225 COLPIN Energy A3 A A 2,249 3 750 1 225 COLPIN Energy A3 A A 2,249 3 750 1 225 COLPIN Energy A3 A A 2,240 0 7 1,100 4 240 CR Capital Goods Baa2 BBB A4 A A 2,000 7 1,100 4 240 CR Capital Goods Baa2 BBB A 2,000 7 1,100 1 250 CR CAPITAL ENERGY A3 A A 2,000 7 1,100 4 240 CR CAPITAL ENERGY A3 A A 2,000 7 1,100 1 250 CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR Capital Goods Baa2 BBB 2,000 1 1 65 CR CR Capital Goods Baa2 BBB 2,000 4 750 2 210 CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CAPITAL ENERGY A3 A A 2,000 1 1 65 CR CAPITAL ENERGY A3 A A 2,000 1 1					AA-						2
CNC Healthcare					BBB						5
CNC   Healthcare   Ba1   BBB											2
COLP											4
COST   Retail   Aa3   A	CNP	Utility	A2	BBB+	BBB+	8,955	22	3,493	8	896	8
COST   Retail   Ret				Α							1
COXENT   Media   Baa2   BBB   BBB+   9,081   12   3,700   4   908   600   60									- 1		2
CPB         Consumer Goods         Baa2         BBB         BBB         4,188         7         2,488         5         419         9         CPCHEM         Assic Industry         A2         2,150         4         900         2         215         5         CPCW         Energy         A3         A         A-         2,2400         7         1,100         4         225         CPC         CPC         Real Estate         A3         A-         A-         2,2400         7         1,100         4         240         A         2,260         2         300         1         65         CSC         CRM         Technology & Electronics         A3         A         2,500         2         1,000         1         250         CSC         CSC         Capital Goods         Baa2         BBB         2,100         4         750         2         2,100         4         750         2         2,100         4         750         2         2,100         4         750         2         2,100         4         750         2         2,100         3         2,450         5         1,200         3         2,450         5         1,200         3         2,450         5         1,200 <td></td> <td></td> <td></td> <td></td> <td>200</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>4</td>					200				-		4
CPCHEM   Basic Industry											4
CPGX         Energy         A3         A         2.249         3         750         1         225           CPT         Real Estate         A3         A-         A-         A2,400         7         1,100         4         240         4           CR         Capital Goods         Baa2         BBB         650         2         300         1         65           CRM         Technology & Electronics         A3         A         2,500         2         1,000         1         250           CRSC         Technology & Electronics         A1         AA-         16,000         13         9,250         8         1,600         8           CSL         Capital Goods         Baa2         BBB         2,100         4         750         2         210         2           CSX         Transportation         Baa1         BBB+         15,110         25         1,400         3         1,400         3         1,400         3         1,400         3         1,400         3         1,400         3         1,400         3         1,400         3         1,450         6         550         1,200         3         2,455         6         650				DDD-	DDD						5 2
CPT         Real Estate         A3         A-         A-         2,400         7         1,100         4         240         A           CR         Capital Goods         Baa2         BBB         650         2         300         1         65         C           CRM         Technology & Electronics         A1         AA-         16000         13         9,250         8         1,600         1         250           CSC         Technology & Electronics         A1         AA-         16000         13         9,250         8         1,600         1         250           CSL         Capital Goods         Baa2         BBB         2,100         4         7,50         2         210         0           CSX         Transportation         Baa1         BBB+         15,110         25         1,400         3         1,400         3         1,400         3         2,455         2         1,850         6         550         2         1,856         6         550         2         1,856         6         550         2         1,856         6         550         2         1,856         6         550         2         1,856         7 <t< td=""><td></td><td></td><td></td><td></td><td>Α-</td><td></td><td></td><td></td><td></td><td></td><td>1</td></t<>					Α-						1
CRM         Technology & Electronics         A3         A         2,500         2         1,000         1         250           CSCO         Technology & Electronics         A1         AA-         16,000         13         9,250         8         1,600         2           CSL         Capital Goods         Baa2         BBB         2,100         4         750         2         210         3           CSX         Transportation         Baa1         BBB+         15,110         25         1,400         3         1,400         3         1,400         3         1,400         3         245         6         5         1,200         3         245         6         5         1,200         3         245         6         5         1,200         3         245         6         5         6         550         2         185         6         6         550         2         185         6         0         0         1         400         0         2         186         1         200         2         185         1         200         2         188         8         8         8         1         1         70         2         250				A-					4		4
CSCO         Technology & Electronics         A1         AA-         16,000         13         9,250         8         1,600         13           CSL         Capital Goods         Baa2         BBB         2,100         4         750         2         210         2           CSX         Transportation         Baa1         BBB+         15,110         25         1,400         3         1,400         3           CHAS         Services         A3         2,460         5         1,200         3         245         3           CUBE         Real Estate         Baa2         BBB         58,671         24         23,872         12         5,867         11           CVX         Healthcare         Baa3         BBB         58,671         24         23,872         12         5,867         11           CVX         Energy         Baa3         BBB-BB         4000         5         600         1         400         5           CVX         Energy         Baa3         BBB-BB         4000         5         600         1         400         6         2,905         1         70         1         70         2         350         1						650	2		1	65	1
CSL         Capital Goods         Baa2         BBB         2,100         4         750         2         210         3           CSX         Transportation         Baa1         BBB+         15,110         25         1,400         3         1,400         3           CUBE         Real Estate         Baa2         BBB         1,511         25         1,400         3         1,400         3         2,455         2         1,867         1         2         2,5867         1.2         2         1,586         6         550         2         1,867         1.2         2         1,5867         1.2         2         1,5867         1.2         2         2,5867         1.2         2         1,867         1.2         2         1,867         1.2         2         1,867         1.2         2         1,867         1.2         1,867         1.2         1,867         1.2         1,867         1.2         2         1,867         1.2         2         1,867         1.1         2         2         2,865         6         560         0         1         400         1         400         1         400         1         400         1         400         1											1
CSX         Transportation         Baal         BBB+         15,110         25         1,400         3         1,400         3           CTAS         Services         A3         2,450         5         1,200         3         2,45         5           CVS         Healthcare         Baa2         BBB         58,671         24         2,3872         12         5,867         12           CVX         Energy         Aa2         AA         14,000         11         11,000         9         1,400         9           CXO         Energy         Baa3         BBB-         BBB         4,000         5         600         1         400         9           CXO         Energy         Baa3         BBB-         BBB         4,000         5         600         1         400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         9         1,400         <											8
CTAS         Services         A3         2,450         5         1,200         3         245         3           CUBE         Real Estate         Baa2         BBB         1,850         6         5550         2         185         3           CVX         Healthcare         Baa2         BBB         58,671         24         23,872         12         5,867         12           CVX         Energy         Aa2         AA         AA         14,000         11         110,00         9         1,400         5           CXV         Energy         Baa3         BBB-         BBB         4,000         5         600         1         400         9           CXV         Energy         Baa3         BBB-         BBB         4,000         5         600         1         1,400         9           CXV         Energy         Baa3         BBB+         ABB-         4,000         5         600         1         400         9           CXV         Energy         Aa         ABBB+         ABBB+         4,550         7         3,450         5         455         10           DA         Utility         Baa3         BB											2
CUBE         Real Estate         Baa2         BBB         1,850         6         550         2         185         2           CVS         Healthcare         Baa2         BBB         58,671         24         23,872         12         5,867         17           CVX         Energy         Aa2         AA         11,000         11         11,000         9         1,400         9           CXO         Energy         Baa3         BBB-         BBB         4,000         5         600         1         400         C           CXD         Energy         Baa3         BBB-         BBB         4,000         5         600         1         700         2         355         1         70         1         400         C         2897         11         400         6         9,050         16         2,897         11         1         1,000         6         9,050         16         2,897         11         1         1,000         6         4,000         2         1,190         6         2,290         42         16,175         29         2,290         22         2,190         2         2,190         2         2,190         2				BBB+							3
CVS         Healthcare         Baa2         BBB         58,671         24         23,872         12         5,867         12           CVX         Energy         Aa2         AA         AA         14,000         11         11,000         9         1,400         9           CXP         Real Estate         Baa3         BBB-         BBB         4,000         5         600         1         400           CXP         Real Estate         Baa2         700         2         350         1         70           D         Utility         A2         BBB+         A-         28,965         56         9,050         16         2,897         11           DAL         Transportation         Baa3         BB**         BB+         4,550         7         3,450         5         455         18           DD         Basic Industry         Baa1         BBB+**         BBB+         11,900         6         4,000         2         1,190         2         2,290         22         2,290         22         2,290         22         2,290         22         2,290         22         2,290         22         2,290         22         2,290         22											2
CVX         Energy         Aa2         AA         14,000         11         11,000         9         1,400         9           CXO         Energy         Baa3         BBB-         BBB         4,000         5         600         1         400         9           CXP         Real Estate         Baa2         700         2         350         1         70           D         Utility         A2         BBB+         A-         28,965         56         9,050         16         2,897         11           DAL         Transportation         Baa3         BB+          28,965         56         9,050         16         2,897         11           DD         Basic Industry         Baa1         BB+          BB+         4,550         7         3,450         5         455         15         195         11         190         2         1,190         2         1,190         2         1,190         2         1,190         2         2,290         22         2,290         22         2,290         22         2,290         22         2,290         22         2,290         2         2,290         2         2,290				BBB							12
CXP         Real Estate         Baa2         700         2         350         1         70         1           D         Utility         A2         BBB+         A-         28,965         56         9,050         16         2,897         10           DAL         Transportation         Baa3         BB* -         BBB+         4,550         7         3,450         5         4955         5           DD         Basic Industry         Baa1         BBB* -         BBB+         11,900         6         4,000         2         1,190         .           DE         Capital Goods         A2         A         A         22,900         42         16,175         29         2,290         22           DELL         Technology & Electronics         Baa3         20,750         8         9,250         3         2,075         5           DG         Retail         Baa2         BBB         2,500         4         900         1         250         2           DH         Basic Industry         Baa2         BBB         BBB         3,550         7         1,450         3         355         3         355         3         355         3											9
D         Utility         A2         BBB+         A-         28,965         56         9,050         16         2,897         16           DAL         Transportation         Baa3         BB* - BB+         4,550         7         3,450         5         455         8           DD         Basic Industry         Baa1         BBB* * - BBB+         11,900         6         4,000         2         1,190         0           DE         Capital Goods         A2         A         A         22,900         42         16,175         29         2,290         22           DELL         Technology & Electronics         Baa3         20,750         8         9,250         3         2,075         5           DG         Retail         Baa2         BBB         BBB         2,500         4         900         1         250           DGX         Healthcare         Baa2         BBB         BBB         3,550         7         1,450         3         355         5         195         5         195         5         195         5         195         5         195         5         195         5         195         5         195         5	CXO	Energy	Baa3	BBB-	BBB				1		1
DAL         Transportation         Baa3         BB* -         BB+         4,550         7         3,450         5         455         455           DD         Basic Industry         Baa1         BBB* -         BBB+         11,900         6         4,000         2         1,190         2           DE         Capital Goods         A2         A         A         22,900         42         16,175         29         2,290         22           DELL         Technology & Electronics         Baa3         Baa3         20,750         8         9,250         3         2,075         3           DGX         Healthcare         Baa2         BBB+         BBB+         3,550         7         1,450         3         355         195<											1
DD   Basic Industry   Baa1   BBB+ *-   BBB+   11,900   6   4,000   2   1,190   2											16
DEL         Capital Goods         A2         A         A         22,900         42         16,175         29         2,290         25           DELL         Technology & Electronics         Baa3         20,750         8         9,250         3         2,075         3           DGX         Healthcare         Baa2         BBB         BBB         3,550         7         1,450         3         355         5           DHI         Basic Industry         Baa2         BBB         BBB         1,950         5         1,950         5         195         9           DHR         Healthcare         Baa1         BBB+         5,000         7         1,400         2         500         2           DIS         Media         A2         A         A         28,265         38         9,172         13         2,826         11           DISCA         Media         Baa3         BBB-         BBB-         13,370         18         4,282         8         1,337         3           DISCA         Media         Baa2         BBB         BBB-         3,550         4         1,150         3         415         3           DISCA											5
DELL         Technology & Electronics         Baa3         20,750         8         9,250         3         2,075         3           DG         Retail         Baa2         BBB         2,500         4         900         1         250           DGX         Healthcare         Baa2         BBB         BBB         3,550         7         1,450         3         355         5           DHI         Basic Industry         Baa2         BBB         BBB         1,950         5         1,950         5         195											2 29
DG         Retail         Baa2         BBB         2,500         4         900         1         250           DGX         Healthcare         Baa2         BBB+         BBB         3,550         7         1,450         3         355         3           DHI         Basic Industry         Baa2         BBB         BBB         BBB         1,950         5         1,950         5         195				^	^						3
DGX         Healthcare         Baa2         BBB+         BBB         3,550         7         1,450         3         355         3           DHI         Basic Industry         Baa2         BBB         BBB         1,950         5         1,000         2         500         0         0         0         0         7         1,400         2         500         0         0         0         0         1         1,400         2         500         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td></td> <td></td> <td></td> <td>BBB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>				BBB							1
DHI         Basic Industry         Baa2         BBB         BBB         1,950         5         1,950         2         2500         2           DIS         Media         A2         A         A         A2,8265         38         9,172         13         2,2826         11           DLR         Real Estate         Baa2         BBB         BBB         BBB         4,150         7         1,150         3         415         3         365         2         355         4         1,300         2         355         5         5         5         5         5         5         5         5         6         5         1,150         3					BBB		7				3
DIS         Media         A2         A         A         28,265         38         9,172         13         2,826         13           DISCA         Media         Baa3         BBB         BBB         BBB         13,370         18         4,282         8         1,337         8           DLR         Real Estate         Baa2         BBB         BBB         4,150         7         1,150         3         415         3         415         DLTR         A15		Basic Industry					5		5		5
DISCA   Media   Baa3   BBB-   BBB-   13,370   18   4,282   8   1,337   5     DLR   Real Estate   Baa2   BBB   BBB   4,150   7   1,150   3   3415   3     DLR   Retail   Baa3   BBB-   3,550   4   1,300   2   355   5     DOW   Basic Industry   Baa2   BBB-   BBB+   10,569   14   1,393   2   1,057   5     DOE   Utility   Baa3   BBB   1,125   3   800   2   113   5     DRE   Real Estate   Baa1   BBB+   2,875   8   850   3   288     DTE   Utility   Baa2   BBB+   BBB+   11,865   29   4,575   12   1,187   12     DUK   Utility   Aa2   A-   43,355   83   10,180   22   4,336   22     DXC   Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   BBB+   BBB+   A-   1,000   2   600   1   100     Technology & Electronics   1,000   10   100     Technology & Electronics   1,000   10   100     Technology & Electronics   1,000   10   100     Technology & Electronics   1,000											2
DLR   Real Estate   Baa2   BBB   BBB   4,150   7   1,150   3   415   5											13
DLTR   Retail   Baa3   BBB-   3,550   4   1,300   2   355   5   5   5   5   5   5   5   5											8
DOW         Basic Industry         Baa2         BBB-         BBB+         10,569         14         1,393         2         1,057         2           DOE         Utility         Baa3         BBB         1,125         3         800         2         113         2           DRE         Real Estate         Baa1         BBB+         2,875         8         850         3         288         3           DTE         Utility         Baa2         BBB+         BBB+*         11,865         29         4,575         12         1,187         12           DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         12           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100					BBB		/				3 2
DOE         Utility         Baa3         BBB         1,125         3         800         2         113         2           DRE         Real Estate         Baa1         BBB+         2,875         8         850         3         288         3           DTE         Utility         Baa2         BBB+         BBB+*-         11,865         29         4,575         12         1,187         11           DUK         Utility         Aa2         A-         43,355         83         10,180         22         4,336         22           DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         12           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100					RRR.						2
DRE         Real Estate         Baa1         BBB+         2,875         8         850         3         288         3           DTE         Utility         Baa2         BBB+         BBB+*-         11,865         29         4,575         12         1,187         11           DUK         Utility         Aa2         A-         43,355         83         10,180         22         4,336         22           DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         2           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100		Utility			200+						2
DTE         Utility         Baa2         BBH         BBB+*-         11,865         29         4,575         12         1,187         11           DUK         Utility         Aa2         A-         43,355         83         10,180         22         4,336         22           DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         2           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100											3
DUK         Utility         Aa2         A-         43,355         83         10,180         22         4,336         22           DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         2           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100         3					BBB+ *-						12
DXC         Technology & Electronics         BBB         BBB+         1,274         3         775         2         127         2           EA         Media         Baa1         BBB+         A-         1,000         2         600         1         100				A-		43,355	83	10,180	22	4,336	22
	DXC	Technology & Electronics		BBB		1,274	3	775	2	127	2
Source : Deutsche Bank			Baa1	BBB+	A-	1,000	2	600	1	100	1
	Source : Deutso	che Bank									

Page 6 Deutsche Bank AG/London

# US Credit Strategy



Figure 6: Corporate Bond Universe for SMCCF

Ticker	Sector	Moodys	suer Rating S&P	Fitch	Issuer Tota Debt	Bonds	Issuer Total (<5y Debt	Bonds	ssuer Total (<5y Maturit Debt	y, 10% Limit Bonds
EBAY	Technology & Electronics	Baa1	BBB+	BBB	6,600	9	5,000	7	660	7
ECL	Services	Baa1	A-	A-	4,578	8	1,920	3	458	3
ED	Utility	Baa1	A-	BBB+	13,825	28	1,100	3	1,100	3
EFX	Services	Baa1	BBB	DDD	2,975	7	2,450	5	298	5
EGN EIX	Energy Utility	A3	BBB	BBB BBB-	400 18,125	36	400 4,175	1 10	40 1,813	1 10
EL	Consumer Goods	A3 A1	A+	BBB-	4,500	10	1,200	3	450	3
EMN	Basic Industry	Baa2	BBB-	BBB	3,650	6	1,750	3	365	3
EMR	Capital Goods	A2	A		2,600	7	1,300	3	260	3
ENBL	Energy	Baa3	BBB-	BBB-	3,200	5	600	1	320	1
ENH	Insurance	A3	A-		596	2	300	1	60	1
ENTERP	Services	Baa1			8,200	13	3,350	6	820	6
EOG	Energy	A3	A-	200	5,000	8	3,500	5	500	5
EPD EPR	Energy	Baa2	BBB+	BBB+	29,650	35	6,975 575	8 2	2,965	8 2
EQIX	Real Estate Real Estate	Baa2 Ba1	BBB- BBB-	BBB- BBB-	2,375 5,150	6 5	1,000	1	238 515	1
EQR	Real Estate	A3	A-	A	6,050	12	1,250	2	605	2
ES	Utility	Baa1	A-	BBB+	10,600	26	4,175	10	1,060	10
ESS	Real Estate	Baa1	BBB+	BBB+	4,721	12	2,071	6	472	6
ETFC	Financial Services	Baa2	BBB *+		1,420	3	600	1	142	1
ETN	Capital Goods	Baa1	A-	BBB+	4,300	5	1,600	1	430	1
ETP	Energy	Baa3	BBB-	BBB-	37,171	48	11,548	17	3,717	17
ETR	Utility	Baa2	BBB+		12,285	31	3,850	11	1,229	11
EV EVRG	Financial Services	A3	A-		625	2 20	325 1 727	1 4	63	1
EXC	Utility Utility	A2 Baa2	A- BBB+	BBB	7,517 29,322	63	1,737 7,973	17	752 2,932	4 17
EXPE	Technology & Electronics	Baa3	BBB *-	BBB-	4,250	5	1,250	2	2,932 425	2
F	Automotive	Ba2	BB+ *-	BBB-	42,497	40	27,225	25	4,250	25
FAF	Insurance	Baa2	BBB-	BBB+	550	2	550	2	55	2
FANG	Energy	Ba1	BBB-	BBB	3,800	4	1,000	1	380	1
FBHS	Consumer Goods	Baa3	BBB+	BBB	2,200	4	1,000	2	220	2
FDX	Transportation	Baa2	BBB		14,550	22	2,700	5	1,455	5
FE	Utility	A3	BBB	BBB	17,719	36	4,650	11	1,772	11
FIDINV	Financial Services	A1	A+	DDD	2,550	6	300	1	255	1
FISV	Technology & Electronics Technology & Electronics	Baa2 Baa2	BBB BBB	BBB	4,938 13,850	8 10	1,100 4,950	5	494 1,385	2 5
FLEX	Technology & Electronics	Baa3	BBB-	BBB-	1,750	3	500	1	175	1
FLIR	Technology & Electronics	Baa3	BBB	BBB	425	1	425	il	43	1
FLO	Consumer Goods	Baa2	BBB	BBB	800	2	400	1	80	1
FLR	Services	Baa3	BBB-		1,100	2	500	1	110	1
FLS	Capital Goods	Baa3	BBB-	BBB-	800	2	800	2	80	2
FMC	Basic Industry	Baa2	BBB-		2,200	5	700	2	220	2
FNF	Insurance	Baa2	BBB	BBB+	850	2	400	1	85	1
FOXA	Media	Baa2	BBB		6,800	5	2,000	2	680	2
FRT	Real Estate	A3	A-	BBB-	2,750	8	1,075	4 3	275	4
FSK FTSCN	Financial Services Utility	Baa3 A3	A-	DDD-	1,320 850	3	1,320 550	2	132 85	3 2
FTV	Capital Goods	Baa1	BBB		2,200	3	750	1	220	1
G	Services	Baa3	555		750	2	750	2	75	2
GD	Capital Goods	A2	A *-		10,500	12	7,250	7	1,050	7
GE	Capital Goods	Baa1	BBB+	BBB+	43,274	21	18,719	12	4,327	12
GILD	Healthcare	A3	Α		24,250	17	10,000	8	2,425	8
GIS	Consumer Goods	Baa2	BBB	BBB	8,550	12	4,250	6	855	6
GL	Insurance	Baa1	A	A-	850	2	300	1	85	1
GLW	Technology & Electronics	Baa1	BBB+	DDD	5,175	11	625	2	518	2
GM GMT	Automotive Financial Services	Baa3 Baa2	BBB *- BBB	BBB	43,748 3,700	41 12	29,148 1,400	25 5	4,375 370	25 5
GOOGL	Technology & Electronics	Aa2	AA+		3,680	3	1,680	2	368	2
GP	Basic Industry	A3	A+		5,300	9	3,850	5	530	5
GPN	Technology & Electronics	Baa3	BBB-		6,050	8	2,850	4	605	4
GSBD	Financial Services	Baa3		BBB-	360	1	360	1	36	1
GUARDN	Insurance	A1	AA+	AA	3,129	8	1,800	5	313	5
GWW	Retail	A3	A+		2,300	4	500	1	230	1
H	Leisure	Baa3	BBB- *-		1,400	4	600	2	140	2
HAL	Energy	Baa1	BBB+	200	9,800	9	1,600	2	980	2
HAS	Consumer Goods	Baa3	BBB-	BBB-	3,975	8	1,100	3	398	3 8
HD HES	Retail	A2 Ba1	A BBB-	A BBB-	28,700 5,528	25 8	7,650 300	1	2,870 300	1
HIMARK	Energy Healthcare	Baa2	ддд- А	200-	350	1	350	1	35	1
HIW	Real Estate	Baa2	BBB		1,950	6	550	2	195	2
HNDA	Automotive	A3	A *-		3,950	6	3,950	6	395	6
HOG	Automotive	Baa2		A-	3,350	8	2,600	6	335	6
HON	Capital Goods	A2	Α	А	7,963	11	3,950	5	796	5
HP	Energy	Baa1	BBB+		487	1	487	1	49	1
HPE	Technology & Electronics	Baa2	BBB	BBB+	10,572	7	5,842	4	1,057	4
HPQ	Technology & Electronics	Baa2	BBB	BBB+	4,249	6	3,049	5	425	5
HR HRB	Real Estate Services	Baa2	BBB	BBB+	800	3	250 1,150	1 2	80 150	1 2
HRL	Services Consumer Goods	Baa3 A1	Α		1,500 250	3	1,150 250	1	25	1
	COHOUNE GOODS	A I	A	1	200	1	200	1	20	



Figure 7: Corporate Bond Universe for SMCCF

Ticker	Sector	Moodys	suer Rating S&P	Fitch	Issuer Tota Debt	Bonds	Issuer Total (<5y Debt	Bonds	suer Total (<5y Maturit Debt	y, 10% Limit. Bonds
HSH	Consumer Goods	moodyo		BBB	278	1	278	1	28	1
HST	Leisure	Baa2	BBB- *-	BBB-	2,800	6	1,250	3	280	3
HSY	Consumer Goods	A1	A		3,900	11	2,100	6	390	6
HTA	Real Estate	Baa2	BBB		2,050	4	300	1	205	1
HUBB HUM	Technology & Electronics Healthcare	Baa1 Baa3	BBB+ BBB+	A- BBB+	1,450 5,400	11	300 2,000	1 4	145 540	1 4
HUN	Basic Industry	Baa3	BB+	BBB-	1,150	2	400	1	115	1
IBM	Technology & Electronics	A2	A	555	35,101	28	17,200	14	3,510	14
IEX	Capital Goods	Baa2	BBB	BBB+	650	2	650	2	65	2
IFF	Basic Industry	Baa3	BBB *-		2,300	5	600	2	230	2
INFO	Services	Ba1	BBB-	BBB	4,643	7	2,443	4	464	4
INGR	Consumer Goods	Baa1	BBB	BBB	1,150	3	400	.1	115	1
INTC	Technology & Electronics	A1	A+	A+	27,085	23	10,750	10	2,709	10
IP IPG	Basic Industry	Baa2	BBB BBB	DDD.	8,580	12 7	1,083	2 5	858 325	2 5
ITC	Media Utility	Baa2 Baa2	A-	BBB+	3,250 2,635	7	2,250 1,150	3	264	3
ITW	Capital Goods	A2	A+		3,797	5	1,050	2	380	2
IVZ	Financial Services	A2		Α-	2,100	4	1,200	2	210	2
JACLIF	Insurance	A1			4,800	12	3,250	8	480	8
JBHT	Transportation	Baa1	BBB+		1,300	3	600	2	130	2
JBL	Technology & Electronics	Baa3	BBB-	BBB-	1,900	4	900	2	190	2
JCI	Capital Goods	Baa2	BBB+	BBB	3,137	7	453	1	314	1
JEF	Financial Services	Baa3			5,350	9	2,100	3	535	3
JLL	Real Estate	Baa1	BBB+		275	1 27	275	1	28	1
JNJ JNPR	Healthcare Technology & Floctronics	Aaa Baa?	AAA BBB		22,588 1,700	4	6,150 500	10	2,259 170	10 1
JWN	Technology & Electronics Retail	Baa2 Baa3	BBB-	BBB-	2,616	5	500	1	262	1
K	Consumer Goods	Baa2	BBB	BBB-	4,736	8	1,510	3	474	3
KDP	Consumer Goods	Baa2	BBB	555	11,582	15	4,986	6	1,158	6
KEYS	Technology & Electronics	Baa2	BBB	ВВВ	1,800	3	600	1	180	1
KIM	Real Estate	Baa1	BBB+	BBB+	4,685	11	2,235	5	468	5
KLAC	Technology & Electronics	Baa1	BBB+	BBB+	3,450	5	1,250	1	345	1
KMB	Consumer Goods	A2	A		6,300	16	1,650	6	630	6
KMI	Energy	Baa2	BBB	BBB	30,036	47	10,394	17	3,004	17
KMPR	Insurance	Baa3	BBB	NR	725	2	725	2	73	2
KMT KO	Capital Goods	Baa3	BBB	BBB	600 14,863	15	300 10,113	10	60 1,486	1 10
KORS	Consumer Goods Retail	Ba1	BBB-	A BB+	450	10	450	10	45	10
KR	Retail	Baa1	BBB	DDT	11,697	23	3,500	7	1,170	7
KRC	Real Estate	Baa2	BBB		2,425	6	725	2	243	2
KSU	Transportation	Baa2	BBB	BBB	2,987	7	439	1	299	1
L	Insurance	A3	Α	А	1,800	4	500	1	180	1
LAZ	Financial Services	Baa3	BBB+	BBB+	1,700	4	400	1	170	1
LDOS	Capital Goods		BBB-		450	1	450	1	45	1
LEG	Capital Goods	Baa1	BBB		1,600	4	600	2	160	2
LH LHX	Healthcare	Baa2	BBB BBB	DDD	5,862	10 11	3,712	7	586	7
LIBMUT	Capital Goods Insurance	Baa3 Baa2	BBB	BBB BBB	6,071 5,393	10	1,568 1,350	3	607 539	3
LIBINIOT	Basic Industry	Baa3	BBB	ВВВ	350	10	350	1	35	1
LIN	Basic Industry	A2	A		4,700	9	3,300	7	470	7
LLAKES	Consumer Goods	Baa3	BBB-	BBB-	300	1	300	1	30	1
LLY	Healthcare	A2	A+		7,709	12	750	1	750	1
LM	Financial Services	Baa1	BBB *		1,250	3	250	1	125	1
LMT	Capital Goods	A3	A-	A-	12,536	13	3,400	4	1,254	4
LNC	Insurance	Baa1	A-	A-	4,121	10	1,396	4	412	4
LNT	Utility	A3	A		5,100	16	1,150	3	510	3
LOW	Retail	Baa1	BBB+		16,022	21	3,225	6	1,602	6
LRCX LUV	Technology & Electronics Transportation	A3 Baa1	A- BBB *-	BBB+	3,800 1,900	5 5	1,300 800	2 2	380 190	2 2
LVS	Leisure	Baa3	BBB- *-	BBB-	4,000	4	1,750	1	400	1
LXP	Real Estate	Baa2	BBB-	BBB	500	2	500	2	50	2
M	Retail	Ba1	BB	BB+	2,956	7	2,090	4	296	4
MA	Technology & Electronics	A1	A+		6,750	9	2,400	3	675	3
MAA	Real Estate	Baa1	BBB+	BBB+	3,250	8	1,000	3	325	3
MAIN	Financial Services		BBB-		325	1	325	1	33	1
MAR	Leisure	Baa3	BBB- *-	BBB- *-	6,486	15	4,359	10	649	10
MARS	Consumer Goods	A1	A	DDD	5,000	8	600	1	500	1
MAS	Basic Industry	Baa3	BBB	BBB-	2,326	6	1,226	3 9	233 899	3 9
MASSMU MCD	Insurance Retail	A2 Baa1	AA+ BBB+	AA	8,985 19,900	16 24	5,150 5,400	7	1,990	7
MCK	Healthcare	Baa2	BBB+	BBB+	4,621	9	2,923	5	462	5
MCO	Financial Services	Dauz	BBB+	BBB+	4,200	9	2,300	5	420	5
MDLZ	Consumer Goods	Baa1	BBB	BBB	6,831	11	4,696	6	683	6
MDT	Healthcare	A3			10,828	11	6,157	6	1,083	6
MET	Insurance	Aa3			26,000	36	12,450	17	2,600	17
MFCCN	Insurance	A3			450	1	450	1	45	1
MHK	Basic Industry	Baa1	BBB+	BBB+	600	1	600	1	60	1
	Consumer Goods	Baa2	BBB		3,250	7	1,950	4	325	4
MKC MKL	Insurance	Baa2	BBB	A-	3,350	9	600	2	335	2

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# US Credit Strategy



Figure 8: Corporate Bond Universe for SMCCF

Ticker	Sector	Moodys Is	suer Rating S&P	Fitch	Issuer Tot Debt	al Bonds	Issuer Total (<5y	Maturity) Bonds	Issuer Total (<5y Matur Debt	ity, 10% Limit) Bonds
MLM	Basic Industry	Baa3	BBB+	BBB	1,800	4	400	1	180	1
MMC	Insurance	Baa1	A-	A-	9,650	15	4,400	8	965	8
MMM	Capital Goods	A1	A+		13,730	21	5,250	9	1,373	9
MMP	Energy	Baa1	BBB+	DDD	4,750	11	800	2	475	2
MO MOLX	Consumer Goods Technology & Electronics	A3 Baa2	BBB BBB	BBB	22,000 500	16	7,150 500	6	2,200 50	6
MOS	Basic Industry	Baa3	BBB-		4,000	7	1,900	3	400	3
MPC	Energy	Baa2	BBB	BBB	8,239	13	3,344	5	824	5
MPLX	Energy	Baa2	BBB	BBB	16,883	19	4,976	8	1,688	8
MRK	Healthcare	A1	AA- *-	A+	18,592	18	8,400	6	1,859	6
MRO MRVL	Energy Technology & Electronics	Baa3 Baa3	BBB- BBB-	BBB BBB-	4,700 1,000	6 2	1,000 500	1	470 100	1 1
MSFT	Technology & Electronics	Aaa	AAA	AA+	62,650	34	20,000	13	6,265	13
MSI	Technology & Electronics	Baa3	BBB-	BBB-	3,909	7	1,752	3	391	3
MU	Technology & Electronics	Baa3	BBB-	BBB-	3,550	5	600	1	355	1
MWXCAP MXIM	Energy Technology & Electronics	Baa2 Baa1	A- BBB+		2,500 1,000	3 2	1,650 500	2	250 100	2 1
MYL	Healthcare	Baa3	BBB-	BBB- *+	8,741	8	3,494	3	874	3
NATMUT	Insurance	A3	A+	WD	4,200	8	600	1	420	1
NAVI	Financial Services	Aaa			446	1	446	1	45	1
NBL	Energy	Baa3	BBB- BBB	BBB	5,700	9	650 500	1	570	1
NDAQ NEE	Financial Services Utility	Baa2 Baa1	A-	A-	1,000 23,051	40	7,500	12	100 2,305	1 12
NEM	Basic Industry	Baa2	BBB		5,867	8	2,275	3	587	3
NEU	Basic Industry	Baa2	BBB+	BBB	350	1	350	1	35	1
NFG	Energy	Baa3	BBB-	BBB	2,050	5	1,000	2	205	2
NGGLN NGPLCO	Utility Energy	A3 Baa3	A- BBB-		10,207 1,900	22	800 700	2	800 190	2
NI	Utility	Baa2	BBB+	ввв	7,250	13	1,100	3	725	3
NKE	Retail	A1	AA-		3,500	5	500	1	350	1
NNN	Real Estate	Baa1	BBB+	BBB+	2,550	7	700	2	255	2
NOC NORBOR	Capital Goods Energy	Baa2	BBB BBB+	BBB	13,593 250	14	5,750 250	5 1	1,359 25	5 1
NOV	Energy	Baa1	BBB+		2,000	3	400	1	200	1
NRUC	Financial Services	A1	A	А	9,924	23	4,600	11	992	11
NSANY	Automotive	Baa3	BBB+ *-		1,200	2	1,200	2	120	2
NSC	Transportation	Baa1	BBB+		11,851	24	2,410	5	1,185	5 3
NTAP NUE	Technology & Electronics Basic Industry	Baa2 Baa1	BBB+ A-		1,150 3,250	3 6	1,150 1,100	3 2	115 325	2
NVDA	Technology & Electronics	A3	A-u	А	2,000	2	1,000	1	200	1
NVR	Basic Industry	Baa1	BBB+	BBB+	600	1	600	1	60	1
NYLIFE	Insurance	Aaa	•	DDD.	11,350	17	6,900	11	1,135	11
O OC	Real Estate Basic Industry	A3 Baa3	A- BBB	BBB+ BBB-	5,650 2,626	10 6	2,550 400	4	565 263	4 1
OCSL	Financial Services	Baa3	555	BBB-	300	1	300	1	30	1
OFC	Real Estate	Baa3	BBB-	BBB-	1,200	4	900	3	120	3
OGS	Energy	A2	A	DDD	1,300	3	300	1	130	1
OHI OKE	Real Estate Energy	Baa3 Baa3	BBB- BBB	BBB-	3,850 11,222	7 18	1,500 3,372	3 6	385 1,122	3 6
OMC	Media	Baa1	BBB+		4,000	4	2,000	2	400	2
ONCRTX	Utility	A2	Α	BBB+	6,774	15	1,732	4	677	4
OPI	Real Estate	Baa3	BBB-	ا ،	1,350	4	1,350	4	135	4
ORCL ORI	Technology & Electronics Insurance	A3 Baa2	A+ BBB+	A-	49,483 950	26 2	20,494 400	10 1	4,948 95	10 1
ORLY	Retail	Baa1	BBB		3,650	8	1,400	4	365	4
OVV	Energy	Ba1	BBB-	BBB-	3,467	7	600	1	347	1
OWLRCK	Financial Services	Baa3	BBB-	200	1,325	3	825	2	133	2
PAA PCAR	Energy Automotive	Ba1 A1	BBB- A+	BBB-	8,750 4,700	13 15	3,200 4,700	5 15	875 470	5 15
PCP	Capital Goods	A2	AA-		3,500	6	1,550	2	350	2
PDM	Real Estate	Baa2	BBB		750	2	750	2	75	2
PEAK	Real Estate	Baa1	BBB+	BBB+	5,700	10	2,600	5	570	5
PEG PENSKE	Utility Transportation	Baa1 Baa2	BBB+	BBB+	14,906 9,250	40 16	6,181 7,450	15 12	1,491 925	15 12
PEP	Consumer Goods	A1	A+	А	26,143	29	10,650	11	2,614	11
PFE	Healthcare	A1	AA- *-	А	28,517	29	8,822	12	2,852	12
PFG	Insurance	Baa1	A-	А	6,356	16	2,150	6	636	6
PG PGR	Consumer Goods	Aa3	AA-	Δ.	9,610	13	5,325	6	961 445	6
PH	Insurance Capital Goods	A2 Baa1	A BBB+	A+ BBB+	4,450 5,800	10	500 1,375	1 3	580	1 3
PKG	Capital Goods	Baa2	BBB	555.	2,500	5	1,100	2	250	2
PL	Insurance	Baa2	A-	A-	4,200	11	2,900	8	420	8
PLD	Real Estate	A3	A-	A-	5,190	9	850	1	519	1
PM PNM	Consumer Goods Utility	A2 Baa3	A BBB	A	17,650 550	24	7,850 300	12 1	1,765 55	12 1
PNW	Utility	A2	А-	A-	4,675	15	550	2	468	2
PPG	Basic Industry	A3	BBB+	A-	2,350	6	1,100	3	235	3
PPL	Utility	A1	A-		11,585	30	3,625	9	1,158	9
PRA	Insurance	Baa2	BBB- *-	BBB+ *-	250	1	250	1	25	1
Source : Deutse	CHE DANK									



Figure 9: Corporate Bond Universe for SMCCF

Ticker	Sector	Moodys	Issuer Rating S&P	Fitch	Issuer To Debt	otal Bonds	Issuer Total ( <br Debt	5y Maturity) Bonds	Issuer Total (<5y Matu Debt	rity, 10% Limit) Bonds
PRGO	Healthcare	Baa3	- COLI	TITOTI	2,294	5	1,290	3	229	3
PRI	Insurance	Baa1	A-		375	1	375	1	38	1
PRU PSA	Insurance	Baa1	A	А	18,782	27	4,650	9	1,878	9
PSD	Real Estate Utility	A2 A2	A BBB	BBB+	1,500 5,816	3 16	500 1,400	3	150 582	1 3
PSJHOG	Healthcare	Aa3	555	0001	1,952	5	252	1	195	1
PSX	Energy	A3	BBB+		6,996	5	1,998	1	700	1
PSXP	Energy	Baa3	BBB	DDD	3,475	7	800	2 2	348	2 2
PXD PYPL	Energy Technology & Electronics	Baa2	BBB BBB+	BBB BBB+	1,850 5,000	4	1,100 2,250	2	185 500	2
QCOM	Technology & Electronics	A2	A-	5551	14,750	9	6,750	4	1,475	4
R	Transportation	Baa1	BBB	BBB+	5,400	14	5,000	13	540	13
RCL	Leisure	Baa3	BB		1,750	4	950	2	175	2
REG	Real Estate Insurance	Baa1	BBB+	BBB+	2,775 1,800	8	550 800	2 2	278 180	2 2
RGA RJF	Financial Services	Baa1 Baa1	A BBB+	DDD+	1,550	3	250	1	155	1
RL	Retail	A2	A- *-		700	2	300	1	70	1
RNR	Insurance	A3			1,000	3	300	1	100	1
ROIC	Real Estate	Baa2	BBB-		500	2	500	2	50	2
ROK ROP	Capital Goods Capital Goods	A3 Baa2	A BBB+	A	1,800 5,300	5 9	300 2,800	1 5	180 530	1 5
ROST	Retail	A2	BBB+		250	1	250	1	25	1
RPAI	Real Estate	Baa3	BBB-		250	1	250	1	25	1
RPM	Basic Industry	Baa3	BBB	BBB-	1,650	5	300	1	165	1
RS	Basic Industry	Baa3	BBB	BBB	750	2	500	1	75	1
RSG RTN	Services Capital Goods	Baa2 A3	BBB+	BBB A-	7,136 4,107	12 7	3,400 2,400	5 3	714 411	5 3
RYN	Basic Industry	Baa3	BBB-		325	1	325	1	33	1
SANFP	Healthcare	A1			499	1	499	1	50	1
SBUX	Retail	Baa1	BBB+	BBB+	10,450	14	3,500	5	1,045	5
SCHW SCJOHN	Financial Services Consumer Goods	A2	A	A	6,881	12	3,231 250	6	688 250	6
SEP	Energy	Baa1	A BBB+	A- BBB+	2,600 2,050	6	800	1 2	205	1 2
SESHNG	Energy	Baa2	BBB-	555.	400	1	400	1	40	1
SF	Financial Services		BBB-	BBB	800	2	800	2	80	2
SFD	Consumer Goods	Ba1	BBB-	BBB	1,800	4	800	2	180	2
SFG SHW	Insurance Basic Industry	Baa1 Baa3	BBB+ BBB	BBB	250 7,606	12	250 2,075	1 4	25 761	1 4
SILSEA	Leisure	Baa2	БББ	ВВВ	620	12	620	1	62	1
SITC	Real Estate	Baa3	BBB-	BBB	1,307	3	457	1	131	1
SJM	Consumer Goods	Baa2	BBB		3,900	6	2,150	3	390	3
SKT	Real Estate	Baa2	BBB		1,150	4	500	2	115	2
SLB SLG	Energy Real Estate	A1 Baa3	BBB-	BBB	10,128 800	11 2	6,845 800	8 2	1,013 80	8 2
SNA	Capital Goods	A2	A-	A	950	3	250	1	95	1
SO	Utility	Baa1	BBB+	BBB+	28,115	54	7,775	15	2,811	15
SON	Capital Goods	Baa2	BBB		850	2	250	1	85	1
SONGAS SPG	Energy Real Estate	Baa2 A2	BBB+ A	BBB+ A	1,058 14,050	3 20	300 5,800	1 9	106 1,405	1 9
SPLLLC	Energy	Baa3	A	A	12,804	8	8,454	5	1,280	5
SR	Utility	A1	A-		500	2	250	1	50	1
SRE	Utility	A2	BBB+	BBB+	16,300	36	3,700	8	1,630	8
SSMHLT	Healthcare	A1	BBB-		1,025	2	525 450	1 1	102	1 1
SSTAR STLD	Energy Basic Industry	Baa3 Baa3	BBB-	BBB	450 2,650	6	1,300	3	45 265	3
STX	Technology & Electronics	Baa3	555	BBB-	3,671	6	2,491	4	367	4
STZ	Consumer Goods	Baa3	BBB		10,050	17	4,450	7	1,005	7
SVC	Real Estate	Baa3	BB+ *-		5,350	12	2,925	6	535	6
SWK SWX	Consumer Goods Energy	Baa1 A3	A A-	A- A-	4,554 1,150	8	1,154 250	2	455 115	2
SYA	Insurance	Baa1	BBB	Α-	250	1	250	1	25	1
SYK	Healthcare	Baa1	A-		5,500	8	1,350	2	550	2
SYY	Consumer Goods	Baa1	BBB- *-	BBB	7,584	13	2,200	4	758	4
TACHENA	Telecommunications	Baa2	BBB	A-	93,952	67	21,787	19	9,395	19
TACHEM TAP	Healthcare Consumer Goods	Baa2 Baa3	BBB-	BBB-	10,101 6,400	5 5	5,800 1,500	2 2	1,010 640	2 2
TCP	Energy	Baa2	BBB	555	1,200	3	700	2	120	2
TE	Utility	A3	BBB+	A-	2,904	10	529	2	290	2
TECD	Technology & Electronics	Baa3	BBB- *-		1,000	2	500	1	100	1
TGT TIAAGL	Retail Insurance	A2	Α	A-	9,468 7,050	11	2,000 1,000	2	947 705	2
TJX	Insurance Retail	Aa3 A2	AA+ A	AA+	7,050 2,250	6	1,000	2	705 225	1 2
TKR	Capital Goods	Baa3	BBB *-	BBB-	750	2	350	1	75	1
TMO	Healthcare	Baa1	BBB+	BBB	6,350	8	2,000	2	635	2
TOMARI	Insurance	A2			2,550	7	2,200	6	255	6
TPR	Retail	Baa2	BBB-	BB	1,600	3	1,000	2	160	2
TRISTA TRMB	Utility Technology & Electronics	A3 Baa3	BBB-		1,250 1,300	3	250 700	1 2	125 130	1 2
TRPCN	Energy	A3	BBB+		300	1	300	1	30	1
TRV	Insurance	A2	A	A+	6,050	11	500	1	500	1

US Credit Strategy



Figure 10: Corporate Bond Universe for SMCCF

		Is	suer Rating		Issuer Total	1	Issuer Total (<5y I	Maturity) Is	ssuer Total (<5y Maturity,	, 10% Limit)
Ticker	Sector	Moodys	S&P	Fitch	Debt	Bonds	Debt	Bonds	Debt	Bonds
TSLX	Financial Services	Baa3	BBB-	BBB-	350	1	350	1	35	1
TSN	Consumer Goods	Baa2	BBB+	BBB	9,550	11	3,150	4	955	4
TT	Capital Goods	Baa2	BBB		4,950	11	1,800	4	495	4
TTXCO	Transportation		Α	А	3,135	10	1,835	6	314	6
TXN	Technology & Electronics	A1	A+	A+	5,850	9	2,350	5	585	5
TXT	Capital Goods	Baa2	BBB *-		2,500	8	1,200	4	250	4
UDR	Real Estate	Baa1	BBB+		3,100	9	300	1	300	1
UFS	Basic Industry	Baa3	BBB-		800	3	300	1	80	1
UNH	Healthcare	A3	A+	А	38,752	45	12,275	16	3,875	16
UNM	Insurance	Baa2	BBB	BBB+	2,375	6	750	2	238	2
UNP	Transportation	Baa1	A-		25,306	42	5,714	12	2,531	12
UPS	Transportation	A2	Α		14,525	20	6,124	8	1,453	8
USAACA	Financial Services	Aa1	AA		1,600	4	1,600	4	160	4
UTX	Capital Goods	Baa1	A-		36,000	29	6,300	5	3,600	5
V	Technology & Electronics	Aa3	AA-		16,750	8	6,250	3	1,675	3
VER	Real Estate	Baa3	BBB-	BBB	2,850	5	500	1	285	1
VIAC	Media	Baa2	BBB	BBB	16,817	26	5,842	10	1,682	10
VLO	Energy	Baa2		BBB	7,750	10	600	1	600	1
VMC	Basic Industry	Baa3	BBB+	BBB-	1,961	4	400	1	196	1
VMW	Technology & Electronics	Baa2	BBB-	BB+	4,000	3	2,750	2	400	2
VNO	Real Estate	Baa2	BBB	BBB	450	1	450	1	45	1
VOYA	Insurance	Baa2	BBB+	BBB+	2,699	6	400	1	270	1
VRSK	Services	Baa2	BBB	BBB+	2,650	5	800	2	265	2
VTR	Real Estate	Baa1	BBB+	BBB+	7,450	16	3,150	7	745	7
VZ	Telecommunications	Baa1	BBB+	A-	61,367	34	13,353	9	6,137	9
WAB	Capital Goods	Ba1	BBB	BBB-	3,000	4	1,000	2	300	2
WBA	Retail	Baa2	BBB	000-	9,450	8	4,450	3	945	3
WEC	Utility	Baa1	A-	BBB+	6,360	19	2,600	7	636	7
WELL	Real Estate	Baa1	BBB+	BBB+	8,100	13	2,450	4	810	4
WES	Energy	Ba1	BB+ *-	BB+ *-	7,820	12	2,170	3	782	3
WHR	Consumer Goods	Baa1	BBB	BBB	2,950	8	1,150	4	295	4
WLK	Basic Industry	Baa2	BBB-	BBB	2,195	4	250	1	220	1
WM	Services	Baa1	A-	BBB+	9,482	16	3,700	7	948	7
WMB	Energy	Baa2	BBB	BBB *+	19,531	28	7,921	10	1,953	10
WMT	Retail	Aa2	AA	AA	39,600	33	16,545	12	3,960	12
WPC		Baa2	BBB	AA		33	950	2	163	2
WRB	Real Estate Insurance	Baa1	BBB+	A-	1,625 1,250	4	650	2	125	2
				A-		4	550	2 2	55	2
WRE	Real Estate	Baa2	BBB		550	2		3		
WRI WRK	Real Estate	Baa1	BBB BBB		1,350	5	850	4	135	3
	Basic Industry	Baa2	BBB		6,119	12 5	1,839		612 205	4
WU	Services	Baa2	ВВВ		2,048	5	1,300	3		3
WWY	Consumer Goods	A1	DDD		900	1	900	1	90	1
WY	Basic Industry	Baa2	BBB		4,269	8	1,694	4	427	4
XEC	Energy	Baa3	BBB-		2,000	3	750	1	200	1
XEL	Utility	Baa1	A-	BBB+	16,980	46	3,000	9	1,698	9
XL	Insurance	A3	А	Α	1,283	3	500	1	128	1
XLNX	Technology & Electronics	A3			1,250	2	1,250	2	125	2
XOM	Energy	Aa1			20,152	15	9,400	7	2,015	7
XRAY	Healthcare	Baa2	BBB		296	1	296	1	30	1
XYL	Capital Goods	Baa2	BBB	BBB	1,500	3	600	1	150	1
Υ	Insurance	Baa1	BBB+		1,050	3	400	1	105	1
ZBH	Healthcare	Baa3	BBB		5,817	8	4,850	5	582	5
ZTS	Healthcare	Baa1	BBB		6,200	9	2,150	3	620	3
Source: Deut	tsche Bank									



# Appendix 1

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