Maturity: overnight					Maturity: 2~30 days				Maturity: 31~60 days					Maturity: 61~90 days				
S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity Disc	S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity	Disc
A-1+	CHESHAM FIN LTD	1	3/13	2.40	A-1+	NATL SEC CLEARNG	30	4/11 2.48	A-1+	NATL SEC CLEARNG	5			A-1+	FIRST ABU DHABI	85	6/5	
A-1+	DZ BANK AG NY	1	3/13	2.37	A-1+	DZ BANK AG NY	30	4/11 2.46	A-1+	KAISER FOUND HSP	5			A-1+	OLD LINE FND LLC	90	6/10	
A-1+	SWEDBANK		3/13	2.37	A-1+	BANQ CAISSE EPAR	27	4/8 2.46	A-1+	OLD LINE FND LLC	E			A-1+	DNB BANK ASA	90	6/10	
A-1+	AUTOMATIC DATA	1	3/13	2.35	A-1+	NEDER WATERSCHAP	21	4/2 2.45	A-1+	LONGSHIP FUNDING	3		2.47	A-1+	NEDER WATERSCHAP	90	6/10	
					A-1+	AUTOBAHN FUNDING	29	4/10 2.43	A-1+	NOVARTIS FINANCE	3			A-1+	NRW.BANK	86	6/6	
					A-1+	NRW.BANK	28	4/9 2.43	A-1+	EURO INVEST BK	3		2.45	A-1+	KELLS FUND LLC	62	5/13	
					A-1+	LONGSHIP FUNDING	14	3/26 2.43	A-1+	NRW.BANK	5		2.44	A-1+	LONGSHIP FUNDING	62	5/13	3 2.49
				-	A-1+	FIRST ABU DHABI	30	4/11 2.43	A-1+	WALMART INC	4		2.44	A-1+	PSP CAPITAL INC	90	6/10	
				-	A-1+	WALMARTINC	27	4/8 2.42 4/11 2.41	A-1+	ROCHE HOLDINGS	4		2.43	A-1+	OEST KONTROLLBK	83	6/3	
				Ш	A-1+	DNB BANK ASA	30	4/11 2.41	A-1+	FIRST ABU DHABI	3	1 4/1	2.42	A-1+	WALMART INC	83	6/3	3 2.48
S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity Disc	S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity	Disc
A-1	INSTIT SECD LLC	1	3/13	2.50	A-1	CNPC FINANCE HK	22	4/3 2.82	A-1	CNPC FINANCE HK	DIIVI			A-1	SINOPEC CENTURY	90	6/10	
A-1	MITSUI & CO USA	1	3/13	2.49	A-1	AMER WATER CAP	29	4/10 2.65	A-1	SINOPEC CENTURY	5		2.72	A-1	BCI MIAMI	90	6/10	
A-1	MOUNTCLIFF FNDG	1	3/13	2.46	A-1	SINOPEC CENTURY	30	4/11 2.61	A-1	BCI MIAMI			2.64	A-1	WHITE PLAINS CAP	70	5/21	
A-1	VERSAILLES CP LL	1	3/13	2.42	A-1	BCI MIAMI	30	4/11 2.54	A-1	GREAT BRIDGE CAP	5		2.60	A-1	CHINA CONS BK NY	90	6/10	
A-1	HALKIN FIN LLC	1	3/13	2.40	A-1	CHINA CONS BK NY	30	4/11 2.53	A-1	BARCLAYS BK CCP	4		2.55	A-1	GREAT BRIDGE CAP	85	6/5	
A-1	STARBIRD FDG	1	3/13	2.40	A-1	INSTIT SECD LLC	2	3/14 2.52	A-1	MOUNTCLIFF FNDG			2.55	A-1	ICBC/NEW YORK	62	5/13	
A-1	ANGLESEA FUNDING	1	3/13	2.40	A-1	MITSUI & CO USA	14	3/26 2.51	A-1	ANGLESEA FUNDING	5			A-1	MOUNTCLIFF FNDG	90	6/10	
A-1	EBURY FINANCE	1	3/13	2.40	A-1	ANTALIS SA	30	4/11 2.51	A-1	CONCORD MINUTE-A	5	6 5/	2.52	A-1	DANSKE CORP	83	6/3	
A-1	CHESHAM FINANCE	1	3/13	2.40	A-1	MOUNTCLIFF FNDG	28	4/9 2.50	A-1	ICBC/NEW YORK	3	1 4/1	2.52	A-1	SHINHAN BANK NY	85	6/5	
A-1	ERSTE FIN LLC	1	3/13	2.38	A-1	CEDAR SPRNGS CAP	24	4/5 2.50	A-1	DANSKE CORP	5	2 5/:	2.51	A-1	BARCLAYS BK CCP	62	5/13	3 2.59
S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity Disc	S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name		Maturity	Disc
A-2	SOUTHERN CAL ED	1	3/13	2.80	A-2	RICOH FIN CORP	29	4/10 3.20	A-2	FORD MOTOR CRED				A-2	FORD MOTOR CRED	84	6/4	
A-2	ORANGE & ROCK UT	1 1	3/13	2.58	A-2	GLENCORE FDG LLC	28	4/9 3.06	A-2	GLENCORE FDG LLC				A-2	GLENCORE FDG LLC	83	6/3	
5 A-2	WPP CP LLC	1	3/13	2.58	A-2	GEN MOTORS FIN	30	4/11 2.98	A-2	CONSTELLATION BR	4		2.93	A-2	INTESA SANPAOLO	90	6/10	
A-2	LEGGETT & PLATT	1	3/13	2.57	A-2	SOUTHERN CAL ED	14	3/26 2.95	A-2	ARABELLA FINANCE	3			A-2	GEN ELECTRIC CO	90	6/10	
A-2	BLACK HILLS CORP	1	3/13	2.55	A-2	INTESA SANPAOLO	20	4/1 2.92 4/11 2.90	A-2	TRANSCANADA PL	5		2.81	A-2	NISSAN MTR ACCEP	90	6/10	
A-2	CINTAS CORP NO 2 RELX INC	1	3/13	2.55	A-2	CONSTELLATION BR	30 29	4/11 2.90 4/10 2.89	A-2 A-2	CENTERPOINT ENER ENBRIDGE US INC	5			A-2 A-2	TRANSCANADA PL	86 69	6/6 5/20	
A-2	COMMONW EDISON	1	3/13	2.54	A-2	CENTENNIAL ENRGY ARABELLA FINANCE	29 14		A-2	WALGREENS BOOTS	5			A-2	PUBLIC SERV ENT CRH AMERICA FIN	77	5/20	
A-2	PINNACLE WEST	1	3/13	2.53	A-2	GEN ELECTRIC CO	30	3/26 2.78 4/11 2.76	A-2	NISSAN MTR ACCEP	5		2.78	A-2	ENBRIDGE US INC	78	5/29	
	CHURCH & DWIGHT		3/13	2.52	A-2	PPL CAPITAL FDG	21	4/11 2.76	A-2	ENI FINANCE USA	5		2.76	A-2	ENTERGY CORP	78	5/29	9 2.82
M-2	CHOKCH & DWIGHT	1	3/13	2.31	M-2	FFE CAPITALIDO	21	4/2 2.75	M-2	LINIT IINAINGE OSA		0 3/	2.70	A-2	LIVILIOI CORF	70	3/23	2.02
S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity Disc	S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM	Maturity	Disc
A-3	SMITHFIELD FOODS	1	3/13	2.95	A-3	WGL HLDGS INC	28	4/9 3.20	A-3	WGL HLDGS INC	3	7 4/1	3.25					
					A-3	PENTAIR FINANCE	14	3/26 3.10	A-3	WGL HLDGS INC	3	4 4/1	3.22					
					A-3	SMITHFIELD FOODS	20	4/1 3.10	A-3	ROYAL CARIBBEAN	4		2.95					
					A-3	SMITHFIELD FOODS	14	3/26 3.05	A-3	MOLSON COORS BRW	3							
										MOTOCIA COCKO DICA	٥	7 4/1	2.89					
					A-3	PENTAIR FINANCE	7	3/19 3.00	7. 0	INICESOTA COCKO DIVA	-	7 4/1	3 2.89					
					A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS	7	3/19 3.00	, , ,	WOLDON GOOKS BKW		7 4/1	3 2.89					
					A-3	PENTAIR FINANCE	7 7 2			MOLGON GOOK BKW		7 4/1	3 2.89					
					A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS	7 7 2	3/19 3.00		MOLSON GOOKS DRW	3	7 4/1:	3 2.89					
					A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS	7 7 2	3/19 3.00		INCLOON GOOD BINN	3	7 4/1	3 2.89					
					A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS	7 7 2	3/19 3.00		INDESON COOKS DAW	3	7 4/1	2.89					
C.P.D	lesuor name	DTM	Maturity	Disc	A-3 A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE	7 7 2	3/19 3.00 3/14 2.85						Sep	listuar pama.	DTM	Maturity	Diec
S&P	Issuer name	DTM	Maturity 2/12	Disc	A-3 A-3 A-3	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE	7 7 2 2 DTM	3/19 3.00 3/14 2.85 Maturity Disc	S&P	Issuer name	DTM	Maturity	Disc	S&P	Issuer name	DTM		Disc
NR	IANNOVER FUNDIN	DTM	3/13	2.70	A-3 A-3 A-3 NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY	13	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14	S&P NR	Issuer name HANNOVER FUNDING	DTM 5	Maturity 9 5/1	Disc 2.92	NR	HANNOVER FUNDING	90	6/10	2.96
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING	13 30	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87	S&P NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY	DTM 5	Maturity 9 5/1: 9 5/1:	Disc 0 2.92 0 2.53	NR NR	HANNOVER FUNDING BAYER LNDBK NY	90 90	6/10 6/10	0 2.96 0 2.51
NR	IANNOVER FUNDIN	1	3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANFOVER FUNDING BANDESBK BW-NY	DTM 5	Maturity 9 5/1 9 5/1 1 4/1	Disc 0 2.92 0 2.53 2 2.52	NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY	90 90 62	6/10 6/10 5/13	0 2.96 0 2.51 3 2.49
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING	13 30	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53	NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	90 90	6/10 6/10	0 2.96 0 2.51 3 2.49 7 2.47
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANFOVER FUNDING BANDESBK BW-NY	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND PRIV EXPORT FUND	90 90 62 87 62	6/10 6/10 5/13 6/7 5/13	0 2.96 0 2.51 3 2.49 7 2.47 3 2.43
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	90 90 62 87	6/10 6/10 5/13 6/7	0 2.96 0 2.51 3 2.49 7 2.47
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND PRIV EXPORT FUND	90 90 62 87 62	6/10 6/10 5/13 6/7 5/13	0 2.96 0 2.51 3 2.49 7 2.47 3 2.43
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND PRIV EXPORT FUND	90 90 62 87 62	6/10 6/10 5/13 6/7 5/13	0 2.96 0 2.51 3 2.49 7 2.47 3 2.43
NR NR	ANNOVER FUNDING LANDESBK BW-NY	1	3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND PRIV EXPORT FUND	90 90 62 87 62	6/10 6/10 5/13 6/7 5/13	0 2.96 0 2.51 3 2.49 7 2.47 3 2.43
NR NR	ANNOVER FUNDINI LANDESSK BW-NY BAYER LNDBK NY	1	3/13 3/13 3/13	2.70	A-3 A-3 A-3 S&P NR NR	PENTAIR FINANCE SMITHFIELD FOODS PENTAIR FINANCE  Issuer name ENBRIDGE ENERGY HANNOVER FUNDING LANDESBK BW-NY	13 30 21	3/19 3.00 3/14 2.85 Maturity Disc 3/25 3.14 4/11 2.87 4/2 2.51	S&P NR NR NR NR NR	Issuer name HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND	DTM 5.5	Maturity 9 5/11 9 5/11 4/11 4/4 4/4 4/1	Disc 0 2.92 0 2.53 2 2.52 5 2.40	NR NR NR NR	HANNOVER FUNDING BAYER LNDBK NY LANDESBK BW-NY PRIV EXPORT FUND PRIV EXPORT FUND	90 90 62 87 62 62	6/10 6/10 5/13 6/7 5/13	0 2.96 0 2.51 3 2.49 7 2.47 3 2.43

## **Customer Note:**

- ${\bf 1.} \ {\bf The \ data \ source \ is \ from \ Bloomberg \ and \ processed \ by \ a \ self-designed \ Python \ program \ automatically.}$
- $2. The \ main \ content \ is \ the \ diverse \ discount \ rates \ for \ different \ S\&P \ ratings \ and \ maturities \ of \ commercial \ papers, which \ are \ shown \ in \ a \ well \ organized \ way.$