



CDX.NA.HY.32-V1	
Reference Obligations Being Replaced	8
Reference Entities Being Updated	0
New Reference Entity and Obligation Being Added	7
Unchanged Reference Entities and Obligations	85

Removed Entities	
ENERGY TRANSFER LP	
Huntsman International LLC	
Parker Drilling Company	
SEARS ROEBUCK ACCEPTANCE CORP.	
SUPERVALU INC.	
Teck Resources Limited	
Windstream Services, LLC	

**CDX.NA.HY.32-V1**  
Reference Obligations Being Replaced: **08**

Reference obligations for the index constituents listed below are no longer suitable for inclusion.

Currently in Index				Expected replacements			
Market ticker	Name	Instrument Name	ISIN	Tier	Instrument Name	ISIN	Tier
AMKR	Amkor Technology, Inc.	AMKR (2) 6.375 01Oct22	US031652BG49	SNRFOR	AMKR 6.625 15Sep27	US031652BK50	SNRFOR
CLINKI	CenturyLink, Inc.	CLINKI 6.15 15Sep19	US156700AN63	SNRFOR	CLINKI 7.5 01Apr24	US156700BA34	SNRFOR
CHK	Chesapeake Energy Corporation	CHK 6.625 15Aug20	US165167CF27	SNRFOR	CHK (4) 8 15Jan25	US165167CU93	SNRFOR
HDSUU	HD SUPPLY, INC.	HDSUU 5.75 15Apr24	US40415RAR66	SNRFOR	HDSUU 5.375 15Oct26	US40415RAS40	SNRFOR
ISTAINC	IStar Inc.	ISTAINC 5.01Jul19	US45031UBU43	SNRFOR	ISTAINC 5.25 15Sep22	US45031UCD19	SNRFOR
XEL-NRGInc	NRG Energy, Inc.	XEL-NRGInc (4) 6.25 15Jul22	US629377BW10	SNRFOR	XEL-NRGInc (4) 6.25 01May24	US629377BY75	SNRFOR
TGRI-Ptnr	Targa Resources Partners LP	TGRI-Ptnr (3) 4.125 15Nov19	US87612BAR33	SNRFOR	TGRI-Ptnr (4) 4.25 15Nov23	US87612BAP76	SNRFOR
UHS	Universal Health Services, Inc.	UHS 3.75 01Aug19	US913903AP52	SECDOM	UHS 5 01Jun26	US913903AT74	SECDOM

**Reference Entities Being Updated: 04**

The index constituents listed below have gone through a corporate action or credit event.

Currently in Index				Expected replacements				
Market ticker	Name	Instrument Name	ISIN	Tier	New Market ticker	Instrument Name	ISIN	Tier

**New Reference Entity and Obligation Being Added: 07**

Below is the new entity being added to this index, along with the relevant reference obligation.

Currently in Index				
Market ticker	Name	Instrument Name	ISIN	Tier
DNSFDS	Dean Foods Company	DNSFDS 6.5 15Mar23	US124044AB24	SNRFOR
IRONMOAF	Iron Mountain Incorporated	IRONMOAF 6 15Aug23	US46284PAQ72	SNRFOR
MERIINC	Mentor, Inc.	MERIINC 6.25 15Feb24	US99001KAD28	SNRFOR
REALOGR	Realogr Group LLC	REALOGR (2) 4.875 01Jun23	US75606DEA13	SNRFOR
TEVA	TEVA PHARMACEUTICAL INDUSTRIES LIMITED	TEPHAR 3.65 10Nov21	US88165FAF99	SNRFOR
GT	The Goodyear Tire & Rubber Company	GT 5 31May26	US38250BF73	SNRFOR
XRX	XEROX CORPORATION	XRX 2.75 01Sep20	US98421CK78	SNRFOR

**Unchanged Reference Entities and Obligations: 85**

The index constituents and their associated reference obligation listed below are expected to remain unchanged

Currently in Index				
Market ticker	Market Name	Instrument Name	ISIN	Tier
AMD	ADVANCED MICRO DEVICES, INC.	AMD (4) 7.5 15Aug22	US127903AX53	SNRFOR
AKS-Corp	AK Steel Corporation	AKS-Corp 7 15Mar27	US001546AU45	SNRFOR
ALLYFI	Ally Financial Inc.	ALLYFI (2) 7.5 15Sep20	US02005NAJ90	SNRFOR
AMERAI	American Airlines Group Inc.	AMERAI 5.5 01Oct19	US02376RAA05	SNRFOR
AXL-Inc	American Axle & Manufacturing, Inc.	AXL-Inc 6.625 15Oct22	US02406PAL40	SNRFOR
ARAMSER	Aramark Services, Inc.	ARAMSER (2) 4.75 01Jun26	US038522AN85	SNRFOR
ARCONIN	Arconic Inc.	ARCONIN 5.125 01Oct24	US01381TAW16	SNRFOR
ASHLLC	Ashland LLC	ASHLLC (4) 4.75 15Aug22	US044209AF19	SNRFOR
AVBDGT	Avis Budget Group, Inc.	CD-AvisBdgt 5.25 15Mar25	USLU05375AN77	SNRFOR
AVP	Avon Products, Inc.	AVP 5 15Mar23	US054303BA99	SNRFOR
BLL	Ball Corporation	BLL 4 15Nov23	US056498AA54	SNRFOR
BAUSHEA	Bausch Health Companies Inc.	BAUSHEA (2) 5.5 01Mar23	US91911KAE29	SNRFOR
BZH	BEAZER HOMES USA, INC.	BZH (3) 6.75 15Mar25	US07556QBMM9	SNRFOR
BOMBINC	BOMBARDIER INC.	BOMBINC (3) 7.45 01May04	US010602A367	SNRFOR
BYD	Bond Gaming Corporation	BYD 7 125 01Feb16 BondCall	US096899AA77	SUBLT2
CALIRES	CALIFORNIA RESOURCES CORPORATION	CALIRES (4) 6 15Nov24	US13057QAF46	SNRFOR
CPN	Calpine Corporation	CPN 5.375 15Jan23	US131347CE49	SNRFOR
CHTR-CCOH	CCO Holdings, LLC	CHTR-CCOH 5.75 15Jan24	US1248EBE24	SNRFOR
CIT	CIT Group Inc.	CIT 5 15Aug22	US125581GQ55	SNRFOR
CYH	Community Health Systems, Inc.	COMHHS (5) 8 15Nov19	US12543DAL47	SNRFOR
CSHLD	CSC Holdings, LLC	CSHLD 10.875 15Oct25	US384072AA34	SNRFOR
DAVITIN	DaVita Inc.	DAVITIN 5.75 15Aug22	US23918KAP30	SNRFOR
DELLN	Dell Inc.	DELLN 7.1 15Apr28	US247025AE93	SNRFOR
DO	Diamond Offshore Drilling, Inc.	DO 3.45 01Nov23	US25271CAM47	SNRFOR
DISHN-DBBSC	DISH DBS Corporation	DISHN-DBBSC (2) 6.75 01Jun21	US25470XAE58	SNRFOR
EQIX	Equinix, Inc.	EQIX 5.375 01Apr23	US29444UAM80	SNRFOR
FDC	First Data Corporation	FDC 7 01Dec23	US319963BP62	SNRFOR
FREEPIN	Freight-McLellan Inc.	FREEPIN 5.55 01Mar22	US35871DAU90	SNRFOR
FRCA	FRONTIER COMMUNICATIONS CORPORATION	FRCA 9 15Aug31	US17453BAJ08	SNRFOR
GENWHOL	Genworth Holdings, Inc.	GENWHOL 7.7 15Jun20	US37247DAM83	SNRFOR
HCA	HCA Inc.	HCA 7.5 15Feb22	US404121AD78	SNRFOR
JCP	J. C. Penney Company, Inc.	JCP 6.375 15Oct36	US708130AC31	SNRFOR
HOV-K	K. Hovnanian Enterprises, Inc.	HOV-K 7 15Jan19	US442488BV31	SNRFOR
KBH	KB HOME	KBH 7 15Dec21	US48689KA160	SNRFOR
LBRAAA	L Brands, Inc.	LBRAAA 5.625 15Oct23	US501797AJ37	SNRFOR
LEN	Lennar Corporation	LEN 4.75 01Apr21	US2526057B14	SNRFOR
LITLC	Liberty Interactive LLC	LITLC 8.5 15Jul29	US530715AD31	SNRFOR
MDC	M.D.C. Holdings, Inc.	MDC 5.625 01Feb20	US552676AP38	SNRFOR
MBI	MBIA Inc.	MBI 6.625 01Oct26	US55262CAF77	SNRFOR
MGIC	MGIC Investment Corporation	MGIC 5.75 15Aug23	US552948AF99	SNRFOR
MGMRI	MGM Resorts International	MGMRI (3) 6.75 01Oct20	US552853BY63	SNRFOR
MUR	MURPHY OIL CORPORATION	MUR 4 01Jun22	US626717AD43	SNRFOR
NBR-Inc	Nabors Industries, Inc.	NBR-Inc (3) 5.5 15Jan23	US62957HAC97	SNRFOR
NAVIECO	Navient Corporation	NAVIECO 5.25 15Jan23	US78442FEQ72	SNRFOR
NEALBE	New Albertsons L.P.	NEALBE 8 01May31	US013104AL86	SNRFOR
NCX	NOVA Chemicals Corporation	NCX (3) 5.25 01Aug23	US687111AF82	SNRFOR
OLN	Orin Corporation	OLN 5.5 15Aug22	US860653AH97	SNRFOR
PACTLLC	Pactiv LLC	PACTLLC 7.95 15Dec25	US88039AA871	SNRFOR
PBI	Pitney Bowes Inc.	PBI 4.7 01Apr23	US724479AN00	SNRFOR
POL	PolyOne Corporation	POL (2) 5.25 15Mar23	US73179PAK21	SNRFOR
PHMG	PulteGroup, Inc.	PHMG 7.875 15Jun32	US745867AM30	SNRFOR
DNY	R. R. Donnelley & Sons Company	DNY 7.875 15Mar21	US74978DA8A28	SNRFOR
RDN	Radian Group Inc.	RDN 5.25 15Jun20	US750236AS04	SNRFOR
RAD	Rite Aid Corporation	RAD 7 15Feb27	US76775AAJ35	SNRFOR
TSG	Sabre Holdings Corporation	SABRGLB 5.375 15Apr23	US78573NAA00	SECDOM
SWY	Safeway Inc.	SWY 7.25 01Feb31	US786514BA67	SNRFOR
SANMCO	Sanmina Corporation	SANMCO 8.125 01Mar16 BondCall	US009097AK37	SUBLT2
SEE	Sealed Air Corporation	SEE 6.875 15Jul33	US81211KAK60	SNRFOR
SPRFNCO	Springleaf Finance Corporation	SPRFNCO (2) 7.75 01Oct21	US85172FAD15	SNRFOR
SPRICO	Sprint Communications, Inc.	SPRICO 7 15Aug20	US852061AR17	SNRFOR
SPLS	Staples, Inc.	SPLS (3) 8.5 15Sep25	US03939PAA21	SNRFOR
DT-MobileUS	T-Mobile USA, Inc.	DT-MobileUS 4 15Apr22	US87264AAR68	SNRFOR
TALEENE	Talen Energy Supply, LLC	TALEENE 4.6 15Dec21	US69352JAN72	SNRFOR
TEGNINC	TEGNA Inc.	TEGNINC 4.875 15Sep21	US364725BB67	SNRFOR
THC	TENET HEALTHCARE CORPORATION	THC (2) 6.875 15Nov31	US88033GAV23	SNRFOR
TESLINC	Tesla, Inc.	TESLINC (3) 5.3 15Aug25	US88160RAE18	SNRFOR
THEADT	THE ADT SECURITY CORPORATION	THEADT (4) 6.25 15Oct21	US90101JAK25	SNRFOR
AES	The AES Corporation	AES 4.875 15May23	US00130HB114	SNRFOR
GPS	THE GAP, INC.	GPS 5.95 12Apr21	US364760AK48	SNRFOR
F-Hertz	THE HERTZ CORPORATION	F-Hertz 5.875 15Oct20	US428040CP20	SNRFOR
MCLTHY	THE MCCLATCHY COMPANY	MCLTHY 6.875 15Mar29	US499040AL76	SNRFOR
THENEI	The Neiman Marcus Group LLC	THENEI 7.125 01Jun28	US640204AB95	SECDOM
TOL	Toll Brothers, Inc.	TOL-FinCorp 4.375 15Apr23	US88847EAN04	SNRFOR
TRADIG	TransDigm Inc.	TRADIG (4) 6 15Jul22	US893847AW74	SUBLT2
RIG	Transocean Inc.	RIG 3.8 15Oct22	US893830CB25	SNRFOR
UIS	Unisys Corporation	UIS (2) 5.5 01Mar21	US909214BS68	SNRFOR
UCOHL	UNITED CONTINENTAL HOLDINGS, INC.	UCOHL 5 01Feb24	US910047AH22	SNRFOR
UNITREN	UNITED RENTALS (NORTH AMERICA), INC.	UNITREN 5.75 15Nov24	US911365BB94	SNRFOR
X	UNITED STATES STEEL CORPORATION	X 6 65 01Jun37	US912909AD03	SNRFOR
UNITIGR	Unit Group Inc.	UNITIG (3) 8.25 15Oct23	US03041WAD74	SNRFOR
UVN	UNIVISION COMMUNICATIONS INC.	UVN (2) 8.5 15May21	USU91505AD64	SNRFOR
VISTREN	Vistra Energy Corp.	VISTREN (5) 7.375 01Nov22	US26817RAN89	SNRFOR
WFT	Weatherford International Ltd.	WFT 4.5 15Apr22	US94707VAC46	SNRFOR
WHPEC	Whiting Petroleum Corporation	WHPEC 6.25 01Apr23	US966387AP71	SNRFOR
YUM	YUM! Brands, Inc.	YUM 3.875 01Nov20	US988498AG64	SNRFOR