



CDX.NA.HY.31-V1	
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Removed Entities	
Continental Resources, Inc.	
Meritor, Inc.	
The ServiceMaster Company, LLC	
THE WILLIAMS COMPANIES, INC.	

CDX.NA.HY.31-V1
Reference Obligations Being Replaced: **03**

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	Instrument Name	ISIN	Tier
AMKR	Amkor Technology, Inc.	AMKR (3) 6.625 01Jun21	US031652BE90	SNRFOR	AMKR (2) 6.375 01Oct22	US031652BG49				SNRFOR
AVP	Avon Products, Inc.	AVP 6.5 01Mar19	US054303AW29	SNRFOR	AVP 5 15Mar23	US054303BA99				SNRFOR
BZFH	BEAZER HOMES USA, INC.	BZFH 6.75 15Mar25	US075503BL86	SNRFOR	BZFH (3) 6.75 15Mar25	US075503BM69				SNRFOR

Reference Entities Being Updated: **03**

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	New Market Name	Instrument Name	ISIN	Tier
ARCOINC	Arcorie Inc.	ARCOINC (4) 5.72 23Feb19	US013817AP64	SNRFOR	ARCOINC	Arcorie Inc.	ARCOINC 5.125 01Oct24	US013817AW16	SNRFOR
DYNEGIN	Dynegy Inc.	DYNEGIN (3) 6.75 01Nov19	US26817RAM07	SNRFOR	VISTREN	Vistra Energy Corp.	VISTREN (5) 7.375 01Nov22	US26817RAN89	SNRFOR
VALPIT	VALEANT PHARMACEUTICALS INTERNATIONAL, INC.	VALPIT (3) 5.5 01Mar23	US91911KAE29	SNRFOR	BAUSHEA	Bausch Health Companies Inc	BAUSHEA (2) 5.5 01Mar23	US91911KAE29	SNRFOR

New Reference Entity and Obligation Being Added: **04**

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
ASHLLC	Ashland LLC	ASHLLC (4) 4.75 15Aug22	US044209AF18	SNRFOR
MDC	M.D.C. Holdings, Inc.	MDC 5.625 01Feb20	US552676AP38	SNRFOR
PBI	Pitney Bowes Inc.	PBI 4.7 01Apr23	US724479AN00	SNRFOR
TESLINC	Tesla, Inc.	TESLINC 5.3 15Aug25	USU8810LAA18	SNRFOR

Unchanged Reference Entities and Obligations: **92**

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	US007903AX53	SNRFOR
AKS-Corp	AKS Steel Corporation	AKS-Corp 7 15Mar27	US001468AJ45	SNRFOR
ALLYFTI	Ally Financial Inc.	ALLYFTI (2) 7.5 15Sep20	US00059NAJ90	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
AVBDGT	Avis Budget Group, Inc.	CD-AvisBdgt 5.25 15Mar25	USU05375AN77	SNRFOR
BLL	Ball Corporation	BLL 4 15Nov23	US058498AS54	SNRFOR
BOMBINC	BOMBARDIER INC.	BOMBINC (3) 7.45 01May34	US010692AJ85	SNRFOR
BYD	Boyd Gaming Corporation	BYD 7.125 01Feb16 BondCall	US09689RAA77	SUBLT2
CALRES	CALIFORNIA RESOURCES CORPORATION	CALRES (4) 6 15Nov24	US13057QAF46	SNRFOR
CPN	Calpine Corporation	CPN 5.375 15Jan23	US131347CE49	SNRFOR
CHTR-CCOH	COO Holdings, LLC	CHTR-CCOH 5.75 15Jan24	US1248EPBE24	SNRFOR
CLINKI	CenturyLink, Inc.	CLINKI 6.15 15Sep19	US156700AN63	SNRFOR
CHK	Chesapeake Energy Corporation	CHK 6.625 15Aug20	US165167CF27	SNRFOR
CTI	CTI Group Inc.	CTI 5 15Aug22	US125881G065	SNRFOR
CYH	Community Health Systems, Inc.	COMMHS (5) 8 15Nov19	US12543DAL47	SNRFOR
CVSHLD	CSC Holdings, LLC	CVSHLD 10.875 15Oct25	US64072TA34A	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	DISHN DBS Corporation	DISHN-DBBSC (2) 6.75 01Jun21	US25470XAE58	SNRFOR
ETE	Energy Transfer Equity, L.P.	ETE 5.875 15Jan24	US29237VAD29	SNRFOR
EQIX	Equinix, Inc.	EQIX 5.375 01Apr23	US29444UAM80	SNRFOR
FDC	First Data Corporation	FDC 7 01Dec23	US319963BP82	SNRFOR
FREEPIN	Freepoint-McMoran Inc.	FREEPIN 3.56 01Mar22	US35671DAU90	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	US40411AD378	SNRFOR
HDSUU	HD SUPPLY, INC.	HDSUU 5.75 15Apr24	US40415RAR66	SNRFOR
HNTINL	Huntsman International LLC	HNTINL 4.875 15Nov20 Struc	US44701QAZ54	SNRFOR
ISTAINC	iStar Inc.	ISTAINC 5 01Jul19	US45031UBU43	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	KBR Inc.	KBH 7 15Dec21	US48668KA760	SNRFOR
LBRAAA	L Brands, Inc.	LBRAAA 5.625 15Oct23	US01197AJ37	SNRFOR
LEN	Lennar Corporation	LEN 4.75 01Apr21	US2526057B14	SNRFOR
LITLC	Liberty Interactive LLC	LITLC 8.5 15Jul29	US530715AD31	SNRFOR
MBI	MBIA Inc.	MBI 6.625 01Oct28	US55262CAF77	SNRFOR
MGIC	MGIC Investment Corporation	MGIC 5.75 15Aug23	US552848AF09	SNRFOR
MGMRI	MGM Resorts International	MGMRI (3) 6.75 01Oct20	US552953BV63	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 5.5 25Jan23	US78442FEQ72	SNRFOR
NEALBE	New Albertsons L.P.	NEALBE 8 01May31	US013104AL86	SNRFOR
NCX	NOVA Chemicals Corporation	NCX (3) 5.25 01Aug23	USC67111AF82	SNRFOR
XEL-NRGInc	NRG Energy, Inc.	XEL-NRGInc (4) 6.25 15Jul22	US629377BW10	SNRFOR
OLN	Olin Corporation	OLN 5 15Aug22	US686564AH97	SNRFOR
PACTLLC	Pacifi LLC	PACTLLC 7.95 15Dec25	US90399AA471	SNRFOR
PKD	Parker Drilling Company	PKD (2) 7.5 01Aug20	US071081AY70	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	US74978DA228	SNRFOR
RDN	Radian Group Inc.	RDN 5.25 15Jun20	US750236AS04	SNRFOR
RAD	Rite Aid Corporation	RAD 7.7 15Feb27	US761754AJ35	SNRFOR
TSG	Sabre Holdings Corporation	SABRGLB 5.375 15Apr23	US78573NAA00	SECDOM
SWY	Safeway Inc.	SWY 7.25 01Feb31	US786514BA67	SNRFOR
SANMCOR	Sanmina Corporation	SANMCOR 8.125 01Mar16 BondCall	US00907AK37	SUBLT2
SEE	Sealed Air Corporation	SEE 6.875 15Jul33	US81211KAK60	SNRFOR
SHC-Acceptance	SEARS ROEBUCK ACCEPTANCE CORP.	SHC-Acceptance 6.5 01Dec28	US812404BE03	SNRFOR
SPRFNCO	Sprint Nextel Finance Corporation	SPRFNCO (2) 7.75 01Oct21	US85172FAD15	SNRFOR
SPRICOM	Sprint Communications, Inc.	SPRICOM 7 15Aug20	US852051AR17	SNRFOR
SPLS	Staples, Inc.	SPLS (3) 8.5 15Sep25	US03939PA21	SNRFOR
SVU	SUPERVALU INC.	SVU (3) 6.75 01Jun21	US868536AV55	SNRFOR
DT-TMobileUS	T-Mobile USA, Inc.	DT-TMobileUS 4 15Apr22	US87264AAR68	SNRFOR
TALEENE	Talen Energy Supply, LLC	TALEENE 4.6 15Dec21	US69352JAN72	SNRFOR
TGRI-Ptmr	Targa Resources Partners LP	TGRI-Ptmr (3) 4.125 15Nov19	US87612BAR33	SNRFOR
TECKRS	Teck Resources Limited	TECKRS 3.75 01Feb23	US878742AJ10	SNRFOR
TEGNINC	TEGNA Inc.	TEGNINC 4.875 15Sep21	US364725BB67	SNRFOR
THC	TENET HEALTHCARE CORPORATION	THC (2) 6.875 15Nov31	US88033GAV23	SNRFOR
THEADT	THE ADT CORPORATION	THEADT (3) 6.25 15Oct21	US00101JAK25	SNRFOR
AES	The AES Corporation	AES 4.875 15May23	US00130HBT14	SNRFOR
GPS	THE GAP, INC.	GPS 5.95 12Apr21	US364760AK48	SNRFOR
F-Hertz	THE HERTZ CORPORATION	F-Hertz 5.875 15Oct20	US428040CP20	SNRFOR
THECLTHY	THE CLORIX COMPANY	THECLTHY 5.875 15Mar29	US49490AL76	SNRFOR
THENEI	The Neiman Marcus Group LLC	THENEI 7.125 01Jun28	US640204BA95	SECDOM
TOL	Toll Brothers, Inc.	TOL-FinCorp 4.375 15Apr23	US88947EAN04	SNRFOR
TRADIG	TransDigm Inc.	TRADIG (4) 6 15Jul22	US893647AW74	SUBLT2
RIG	Transocean Inc.	RIG 3.8 15Oct22	US893830BC25	SNRFOR
UIS	Unisys Corporation	UIS (2) 5.5 01Mar21	US909214BS68	SNRFOR
UCOHL	UNITED CONTINENTAL HOLDINGS, INC.	UCOHL 5 01Feb24	US91047AD22	SNRFOR
UNITREN	UNITED RENTALS (NORTH AMERICA), INC.	UNITREN 5.75 15Nov24	US911365BB94	SNRFOR
X	UNITED STATES STEEL CORPORATION	X 6.65 01Jun37	US912809AD03	SNRFOR
UNITIGR	Uniti Group Inc.	UNITIGR (3) 8.25 15Oct23	US20341WAD74	SNRFOR
UHS	Universal Health Services, Inc.	UHS 3.75 01Aug19	US913903AP52	SECDOM
UVN	UNIVISION COMMUNICATIONS INC.	UVN (2) 8.5 15May21	US919150AD64	SNRFOR
WFT	Weatherford International Ltd.	WFT 4.5 15Apr22	US94707VAC46	SNRFOR
WPREC	Whiting Petroleum Corporation	WPREC 6.25 01Apr23	US96387AZ771	SNRFOR
WINDSSE	Windstream Services, LLC	WINDSSE (4) 7.5 01Jun22	US97381WAX20	SNRFOR
YUM	YUM! Brands, Inc.	YUM 3.875 01Nov20	US988498AG64	SNRFOR

