

**CDX.NA.IG.28**

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Removed Entities

Kinder Morgan Energy Partners, L.P.
Starwood Hotels & Resorts Worldwide, Inc.

CDX.NA.IG.28Reference Obligations Being Replaced: **7**

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

Replacement reference obligations have been sourced and are listed.

Currently in Index					Expected replacements		
Market Ticker	Reference Entity	Reference Obligation	ISIN	Tier	Instrument Name	ISIN	Tier
CSX	CSX Corporation	CSX 6.25 15Mar18	US126408GM90	SNRFOR	CSX 3.7 01Nov23	US126408GZ04	SNRFOR
MCD	McDONALD'S CORPORATION	MCD 5.8 15Oct17	US58013MEB63	SNRFOR	MCD 2.75 09Dec20	US58013MEX83	SNRFOR
MONDINT	Mondelez International, Inc.	MONDINT 6.125 01Feb18	US50075NAU81	SNRFOR	MONDINT 4 01Feb24	US609207AB14	SNRFOR
NBR-Inc	Nabors Industries, Inc.	NBR-Inc (3) 6.15 15Feb18	US629568AQ91	SNRFOR	NBR-Inc (2) 9.25 15Jan19	US629568AT31	SNRFOR
PFE	Pfizer Inc.	PFE 4.65 01Mar18	US717081AO68	SNRFOR	PFE 2.2 15Dec21	US717081DZ31	SNRFOR
SPLS	Staples, Inc.	SPLS 2.75 12Jan18	US855030AL63	SNRFOR	SPLS 4.375 12Jan23	US855030AM47	SNRFOR
UNH	UnitedHealth Group Incorporated	UNH 6 15Feb18	US91324PB303	SNRFOR	UNH 3.35 15Jul22	US91324PCN06	SNRFOR

Reference Entities Being Updated: 2

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
CAG	ConAgra Foods, Inc.	CAG 7 01Oct28	US205887AR36	SNRFOR	CONABRA	Conagra Brands, Inc.	CONABRA 7 01Oct28	US205887AR36	SNRFOR
JCI	Johnson Controls, Inc.	JCI 5 30Mar20	US478366AU18	SNRFOR	JOHCON	JOHNSON CONTROLS INC	JOHCON 5 30Mar20	US478375AD00	SNRFOR

New Reference Entity and Obligation Being Added: 2

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
ECACN	ENCANA CORPORATION	ECACN 6.5 15May19	US292505AH79	SNRFOR
KINDERM	Kinder Morgan, Inc.	KINDERM 3.05 01Dec19	US494566BAE11	SNRFOR

Unchanged Reference Entities and Obligations: 114

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
STCENT	21st Century Fox America, Inc.	STCENT (2) 3.7 15Sep24	US90131HAE53	SNRFOR
AET	Aetna Inc.	AET 6.625 15Jun36 BondCall	US00817YAF51	SNRFOR
MO	Altria Group, Inc.	MO 9.7 10Nov18	US02209SAD53	SNRFOR
AEP	AMERICAN ELECTRIC POWER COMPANY, INC.	AEP 1.65 15Dec17	US025537AF85	SNRFOR
AXP	American Express Company	AXP 7 19Mar18	US025816AY50	SNRFOR
AIG	American International Group, Inc.	AIG 6.25 01May36 Struc	US026874AZ07	SNRFOR
AMGN	Amgen Inc.	AMGN 2.2 22May19	US031162BU36	SNRFOR
APC	ANADARKO PETROLEUM CORPORATION	APC 6.95 15Jun19	US032511BF31	SNRFOR
APA	APACHE CORPORATION	APA 7 01Feb18	US037411AN57	SNRFOR
ARW	ARROW ELECTRONICS, INC.	ARW 6.875 01Jun18	US042735AL41	SNRFOR
DEXBB-AGM	ASSURED GUARANTY MUNICIPAL CORP.			
ATTINC	AT&T Inc.	ATTINC 2.45 30Jun20	US00206RCL42	SNRFOR
AZO	AutoZone, Inc.	AZO 7.125 01Aug18	US053332AJ15	SNRFOR
AVT	Avnet, Inc.	AVT 4.875 01Dec22	US053807AR45	SNRFOR
ABX	BARRICK GOLD CORPORATION	ABX 5.8 15Nov24	US067901AA64	SNRFOR
BAX	Baxter International Inc.	BAX 1.7 15Aug21	US071813BR97	SNRFOR
BRK	Berkshire Hathaway Inc.	BRK 1.55 09Feb18	US084670BH03	SNRFOR
BBY	Best Buy Co., Inc.	BBY 5.5 15Mar21	US086516AL50	SNRFOR
HRB-Filc	Block Financial LLC	HRB-Filc 5.5 01Nov22 Struc	US093662AE40	SNRFOR
BSX	Boston Scientific Corporation	BSX 2.65 01Oct18	US101137AM97	SNRFOR
BMV	Bristol-Myers Squibb Company	BMV 6.8 15Nov26	US110122AB49	SNRFOR
CPB	CAMPBELL SOUP COMPANY	CPB 4.25 15Apr21	US134429AW93	SNRFOR
CNATUR	CANADIAN NATURAL RESOURCES LIMITED	CNATUR 3.45 15Nov21	US136385AR22	SNRFOR
COF-BNKNA	Capital One Bank (USA), National Association	COF-BNKNA 2.25 13Feb19	US140420NH93	SNRFOR
CAH	Cardinal Health, Inc.	CAH 4.625 15Dec20	US14149YAT55	SNRFOR
CCL	CARNIVAL CORPORATION	CCL 6.65 15Jan28	US143658AH53	SNRFOR
CAT	Caterpillar Inc.	CAT 3.9 27May21	US149123BV25	SNRFOR
CBSCOR	CBS Corporation	CBSCOR 4.625 15May18	US925524AU41	SNRFOR
CHUBBLM	Chubb Limited	CHUBBINA 8.875 15Aug29	US00440EAC12	SNRFOR
CMCSA	Comcast Corporation	CMCSA 5.7 01Jul19 BondCall	US20030NAZ42	SNRFOR
CSC	Computer Sciences Corporation	CSC 4.45 15Sep22	US205363AN41	SNRFOR
COP	ConocoPhillips	COP (3) 5.9 15Oct32	US20825CAF14	SNRFOR
COX-CommInc	Cox Communications, Inc.	COX-CommInc 6.8 01Aug28	US224044AN72	SNRFOR
CVSHEA	CVS Health Corporation	CVSHEA 2.125 01Jun21	US126650CT50	SNRFOR

DRI	Darden Restaurants, Inc.	DRI 6.8 15Oct37	US237194AH88	SNRFOR
DE	Deere & Company	DE 4.375 16Oct19	US244199BC83	SNRFOR
DVN	Devon Energy Corporation	DVN 7.95 15Apr32	US251799AA02	SNRFOR
D	Dominion Resources, Inc.	D 6.4 15Jun18	US25746UBE82	SNRFOR
DOMC	Domtar Corporation	DOMC 4.4 01Apr22	US257559AH77	SNRFOR
DUKECO	Duke Energy Carolinas, LLC	DUKECO 6.1 01Jun37	US26442CAA27	SNRFOR
DD	E. I. du Pont de Nemours and Company	DD 6 15Jul18	US263534BT54	SNRFOR
EMN	Eastman Chemical Company	EMN 7.6 01Feb27	US277432AD23	SNRFOR
ENB	Enbridge Inc.	ENB 3.5 10Jun24	US29250NAH89	SNRFOR
ENTRPA	ENERGY TRANSFER PARTNERS, L.P.	ENTRPA 4.15 01Oct20	US29273RAX70	SNRFOR
EOR-ERPOperLP	ERP Operating Limited Partnership	EOR-ERPOperLP 4.625 15Dec21	US26884AAZ66	SNRFOR
EXC	Exelon Corporation	EXC 5.15 01Dec20	US210371AL43	SNRFOR
EXPD	Expedia, Inc.	EXPD 7.456 15Aug18 BondPut	US30212PAB13	SNRFOR
FE	FirstEnergy Corp.	FE 7.375 15Nov31	US337932AC13	SNRFOR
F	Ford Motor Company	F 6.5 01Aug18	US345370BX76	SNRFOR
GE	General Electric Company	GE 2.7 09Oct22	US369604BD45	SNRFOR
GIS	General Mills, Inc.	GIS 3.15 15Dec21	US370334BM56	SNRFOR
GENMC	General Motors Company	GENMC (3) 3.5 02Oct18	US37045VAD29	SNRFOR
HAL	HALLIBURTON COMPANY	HAL-EnSwcs 8.75 15Feb21	US406216AH42	SNRFOR
HESS	Hess Corporation	HESS 8.125 15Feb19	US42809HAB33	SNRFOR
HON	Honeywell International Inc.	HON 5.7 15Mar36 BondCall	US438516AR73	SNRFOR
HOSHOT-HSTRES	Host Hotels & Resorts, L.P.	HOSHOT-HSTRES 4.75 01Mar23	US441077AT34	SNRFOR
HPINCAA	HP Inc.	HPINCAA 4.65 09Dec21	US428236BV43	SNRFOR
IR-NJ	Ingersoll-Rand Company	IR-NJ 9 15Aug21	US456866AG74	SNRFOR
IBM	International Business Machines Corporation	IBM 1.625 15May20	US459200HM60	SNRFOR
AIG-IntLeaseFin	INTERNATIONAL LEASE FINANCE CORPORATION	AIG-IntLeaseFin 8.25 15Dec20	US459745GF62	SNRFOR
IP	INTERNATIONAL PAPER COMPANY	IP 7.5 15Aug21 Struc	US460146CE11	SNRFOR
JNJ	Johnson & Johnson	JNJ 1.65 01Mar21	US478160BS27	SNRFOR
KSS	Kohl's Corporation	KSS 4 01Nov21	US500255AR59	SNRFOR
KRAFHEI	Kraft Heinz Foods Company	KRAFHEI 6.375 15Jul28	US423074AF08	SNRFOR
LNC	Lincoln National Corporation	LNC 8.75 01Jul19	US534187AX79	SNRFOR
LMT	Lockheed Martin Corporation	LMT 4.25 15Nov19	US539830AT67	SNRFOR
LTR	Loews Corporation	LTR 6 01Feb35	US540424AP38	SNRFOR
LOW	Lowe's Companies, Inc.	LOW 4.625 15Apr20	US548661CQ89	SNRFOR
M	Macy's, Inc.	M-RHI 3.45 15Jan21	US55616XAN75	SNRFOR
MAR	MARRIOTT INTERNATIONAL, INC.	MAR 3 01Mar19	US571903AJ23	SNRFOR
MMC	MARSH & McLENNAN COMPANIES, INC.	MMC 5.875 01Aug33	US571748AK86	SNRFOR
MCK	McKesson Corporation	MCK 7.65 01Mar27	US581557AM75	SNRFOR
MET	MetLife, Inc.	MET 4.75 08Feb21	US59156PAX61	SNRFOR
MOTOSOL	Motorola Solutions, Inc.	MOTOSOL 7.5 15May25	US620076AH21	SNRFOR
NIRUC	National Rural Utilities Cooperative Finance Corporation	NIRUC 3 01Mar22	US637432CT02	SNRFOR
NEWEBRA	Newell Brands Inc.	NEWEBRA 6.25 15Apr18	US651229AG15	SNRFOR
NEM	Newmont Mining Corporation	NEM 5.875 01Apr35	US651639AE60	SNRFOR
NJWN	Nordstrom, Inc.	NJWN 6.95 15Mar28	US655664AH33	SNRFOR
NSC	NORFOLK SOUTHERN CORPORATION	NSC 3.25 01Dec21	US655844BG28	SNRFOR
NORGRM	Northrop Grumman Corporation	NOC-SysCorp (3) 7.75 15Feb31	US666807AW21	SNRFOR
OMC	Omnicom Group Inc.	OMC 4.45 15Aug20	US682134AC59	SNRFOR
PACKAM	Packaging Corporation of America	PACKAM 3.9 15Jun22	US695156AP42	SNRFOR
PBI	Pitney Bowes Inc.	PBI 6.25 15Mar19	US724479AH32	SNRFOR
PRU	Prudential Financial, Inc.	PRU 7.375 15Jun19	US744320BG91	SNRFOR
DGX	Quest Diagnostics Incorporated	DGX 2.5 30Mar20	US74834LAW00	SNRFOR
RTN	Raytheon Company	RTN 7.2 15Aug27	US755111AF81	SNRFOR
RAI	Reynolds American Inc.	RAI 4.85 15Sep23	US761713AY21	SNRFOR
R	Ryder System, Inc.	R 2.55 01Jun19	US78355HJW07	SNRFOR
SRE	Sempra Energy	SRE 6.15 15Jun18	US816851AJ81	SNRFOR
SPG-LP	Simon Property Group, L.P.	SPG-LP 4.375 01Mar21	US828807CF26	SNRFOR
LUV	Southwest Airlines Co.	LUV 2.65 05Nov20	US844741BB35	SNRFOR
TGT	Target Corporation	TGT 3.875 15Jul20	US87612EAV83	SNRFOR
ALL	The Allstate Corporation	ALL 6.75 15May18	US020002AH49	SNRFOR
BA	THE BOEING COMPANY	BA 8.75 15Aug21	US097023AD79	SNRFOR
DOW	The Dow Chemical Company	DOW 7.375 01Nov29	US260543BJ10	SNRFOR
HIG	THE HARTFORD FINANCIAL SERVICES GROUP, INC.	HIG 6 15Jan19	US416515AV66	SNRFOR
HD	The Home Depot, Inc.	HD 5.875 16Dec36 BondCall	US437076AS19	SNRFOR
KR	THE KROGER CO.	KR 6.15 15Jan20	US501044CH20	SNRFOR
PG	The Procter & Gamble Company	PG 1.6 15Nov18	US742718EE59	SNRFOR
SHW	The Sherwin-Williams Company	SHW 7.375 01Feb27	US824348AL09	SNRFOR
DIS	The Walt Disney Company	DIS 2.55 15Feb22	US25468PCT12	SNRFOR
TW	Time Warner Inc.	TW 2.1 01Jun19	US887317AT21	SNRFOR
TSN	Tyson Foods, Inc.	TSN 4.5 15Jun22	US902494AT07	SNRFOR
UNP	Union Pacific Corporation	UNP 6.625 01Feb29	US907818CF33	SNRFOR
UPS	United Parcel Service, Inc.	UPS-AmericanInc 8.375 01Apr30	US911308AB04	SNRFOR
VIQC	Valero Energy Corporation	VIQC 8.75 15Jun30	US91913YAB65	SNRFOR
VRZN	Verizon Communications Inc.	VRZN 2.55 17Jun19	US92343VCB80	SNRFOR
VIAINC	Viacom Inc.	VIAINC 6.875 30Apr36 Struc	US925524AX89	SNRFOR
WMT	WAL-MART STORES, INC.	WMT 5.875 05Apr27	US931142CH46	SNRFOR
WESTMWV	WestRock MWV, LLC	WESTMWV 7.95 15Feb31	US961548AY02	SNRFOR
WY	Weyerhaeuser Company	WY 7.125 15Jul23	US962166AS33	SNRFOR
WHR	Whirlpool Corporation	WHR 4.85 15Jun21	US96332HCD98	SNRFOR
XRX	XEROX CORPORATION	XRX 6.35 15May18	US984121BW26	SNRFOR
XLITLTD	XLIT Ltd.	XLITLTD 6.25 15May27	US98372PAK49	SNRFOR