markit

MCDX.NA.27-V1

Reference Obligations Being Replaced	6
Reference Entities Being Updated	0
New Reference Entity and Obligation Being Added	0
Unchanged Reference Entities and Obligations	44

Removed Entities

Reference Obligations Being Replaced:

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		
Markit ticker	**Name**	**Instrument Name**	**ISIN**	**Tier**	**Instrument Name**	**ISIN**	**Tier**
LSLPWR	Long Island Power Authority	LSLPWR .05 01Dec35 BondCall	US542690YC04	LIEN1	LSLPWR 5.00 01Sep45	US5426904K52	LIEN1
ILNOIS	State of Illinois	ILNOIS 5 01Jun29 BondCall	US452151ZZ91		ILNOIS 4.00 01Jun41	US452152F222	
NRCARO	State of North Carolina	NRCARO .05 01Mar20 BondCall	US658256YF35		NRCARO 5.00 01Jun29	US658256Z882	
OHIO	State of Ohio	OHIO .05 01Sep20 BondCall	US677520XZ65		OHIO 5.00 01Nov35	US677522HH08	
APPLE	The City of New York	APPLE .05 01Jan17	US64966F7T54		APPLE 5.00 01Aug37	US64966MFG96	
MASSHT	The Commonwealth of Massachusetts	MASSHT .05 01Nov16	US57582PEK21		MASSHT 5.00 01Sep28	US57582P6Q85	

Reference Entities Being Updated:

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

Currently in Index					Expected replacements				
Markit ticker	**Name**	**Instrument Name**	**ISIN**	**Tier**	**New Markit ticker**	**New Markit Name**	**Instrument Name**	**ISIN**	**Tier**

New Reference Entity and Obligation Being Added:

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

Currently in Index				
Markit ticker	**Name**	**Instrument Name**	**ISIN**	**Tier**

Unchanged Reference Entities and Obligations:

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

Currently in Index				
Markit ticker	**Markit Name**	**Instrument Name**	**ISIN**	**Tier**
ASTBH	Arizona Transportation Board	ASTBH 5 01Jul33	US040654WT89	LIEN1
TBYA	Bay Area Toll Authority	TBYA 1.875 01Apr47	US072024TN29	LIEN1
UVTX	Board of Regents of The University of Texas System	UVTX 4 15Aug36	US91514ADD46	LIEN1
CHGO	City of Chicago	CHGO 5 01Jan40	US167486NG07	
COLOH	City of Columbus, Ohio	COLOH .05 01Jun31 BondCall	US199561FS53	LIEN1
CLAG	City of Los Angeles	CLAG .05 01Sep24	US544351HN24	
CPX	City of Phoenix, Arizona	CPX .05 01Jul18	US718814XQ48	
SATEX	City of San Antonio, Texas	SATEX 5.25 01Feb20	US796253R616	LIEN1
CCN	Clark County School District, Nevada	CCN .05 15Jun26 BondCall	US181059MU73	
PNNSY	Commonwealth of Pennsylvania	PNNSY 5.35 01May30	US70914PNE87	
LADWS	Department of Water and Power of the City of Los Angeles	LADWS 5 01Jul41	US544525PS12	LIEN1
ENW	Energy Northwest	ENW .05 01Jul17 BondCall	US29270CRC19	LIEN2
INTPWR	Intermountain Power Agency	INTPWR 5 01Jul22	US45884AZE62	LIEN2
LAUSD	Los Angeles Unified School District	LAUSD 6.758 01Jul34	US544646ZR64	
MASSB	Massachusetts Bay Transportation Authority	MASSB .0525 01Jul34 BondCall	US575579QF72	LIEN1
MTA	Metropolitan Transportation Authority	MTA Frn 15Nov39	US59259Y4J57	LIEN1
MSH	Missouri Highways and Transportation Commission	MSH 5 01May22	US60636WRX55	LIEN2
NYWTR	New York City Municipal Water Finance Authority	NYWTR .05 15Jun38 BondCall	US64972FRA65	LIEN1
TFA	New York City Transitional Finance Authority	TFA 3.5 01Aug27	US64971WVF49	LIEN2
NCEMPA	North Carolina Eastern Municipal Power Agency	NCEMPA 5.5 01Jan26	US658196Z294	LIEN1
NTH	North Texas Tollway Authority	NTH 5 01Jan29	US66285WKY11	
SRPAP	Salt River Project Agricultural Improvement and Power District	SRPAP .05 01Jan38	US79575DXF22	LIEN1
CU	State of California	CU 6 01Apr38	US13063A4Y75	
CNNCT	State of Connecticut	CNNCT .04 01May17	US20772GWQ71	
FLRDA	State of Florida	FLRDA 5.8 01Jun39	US341426G249	
FDOT	State of Florida Department of Transportation	FDOT .05 01Jul21 BondCall	US343136E601	LIEN1
HAWAI	State of Hawaii	HAWAI 5.53 01Feb30	US419791YX08	
MARYLD	State of Maryland	MARYLD .0525 01Mar18	US574192UU28	
STMICH	State of Michigan	STMICH 5 01May19 BondCall	US5946102H96	
MNSOTA	State of Minnesota	MNSOTA .05 01Aug17	US604129EG78	
MSSPP	State of Mississippi	MSSPP .0475 01Dec27	US605580Q284	
NVADA	State of Nevada	NVADA 5 01Jun27	US641461JG48	
NWJRSY	State of New Jersey	NWJRSY .0525 01Jul19	US646039BC00	
NY	State of New York	NY 5 15Feb39	US6497878K70	
STCARO	State of South Carolina	STCARO 2 01Apr24	US83710DY446	
TEXAS	State of Texas	TEXAS 6.072 01Oct29	US882722KD27	
WSHGTN	State of Washington	WSHGTN .05 01Jan28 BondCall	US93974B2W11	
WISCON	State of Wisconsin	WISCON 5 01May32	US97705LA989	

TTCS	Texas Transportation Commission	TTCS 5 01Apr31	US88283LJD91	LIEN1
CITYOFBJ	The City of Philadelphia, Pennsylvania	CITYOFBJ 6.5 01Aug41	US717813MK24	
MWA	The Metropolitan Water District of Southern California	MWA .05 01Jul37	US5926634F22	LIEN1
TTFA	The New Jersey Transportation Trust Fund Authority	TTFA .0575 15Jun20 BondCall	US646135RC96	LIEN1
PANYNJ	The Port Authority of New York and New Jersey	PANYNJ 4.458 01Oct62	US73358WJA36	LIEN1
TBTA	Triborough Bridge and Tunnel Authority	TBTA .05 15Nov37 BondCall	US89602NMT80	LIEN1