

**MCDX.NA.30-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: 6

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
TBYA	Bay Area Toll Authority	TBYA 1.875 01Apr47	US072024TN29	LIEN1	TBYA 2.125 01Apr53	US072024JR14	LIEN1
UVTX	Board of Regents of The University of Texas System	UVTX 4.15Aug36	US91514ADD46	LIEN1	UVTX 3.354 15Aug47	US91514AGU34	LIEN1
INTPWR	Intermountain Power Agency	INTPWR 5 01Jul22	US45884AZE62	LIEN2	INTPWR 5 01Jul19	US45884AZM88	LIEN2
STMICH	State of Michigan	STMICH 5 01May19 BondCall	US5946102H96		STMICH 5 01Dec26	US594612CD39	
NVADA	State of Nevada	NVADA 5 01Jun27	US641461JG48		NVADA 5 01Nov28	US641462CV60	
TBTA	Triborough Bridge and Tunnel Authority	TBTA .05 15Nov37 BondCall	US89602NMT80	LIEN1	TBTA 4 15Nov47	US89602RDZ55	LIEN1

Reference Entities Being Updated: 0

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: 0

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: 44

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
CHGO	City of Chicago	CHGO 5 01Jan40	US167486NG07	
COLOH	City of Columbus, Ohio	COLOH 5 01Jun30	US199561GS45	LIEN1
CLAG	City of Los Angeles	CLAG .05 01Sep24	US544351HN24	
CPX	City of Phoenix, Arizona	CPX 5 01Jul27	US718814QS88	
SATEX	City of San Antonio, Texas	SATEX 5.25 01Feb20	US796253R616	LIEN1
CCN	Clark County School District, Nevada	CCN 5 15Jun32	US181059XC56	
PNNYS	Commonwealth of Pennsylvania	PNNYS 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 5 01Jul26	US29270CP828	LIEN2
LSPWR	Long Island Power Authority	LSPWR 5 01Sep45	US5426904K52	LIEN1
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 Fm 15Nov39	US59259Y4J57	LIEN1
MSH	Missouri Highways and Transportation Commission	MSH 5 01May22	US60636WRX55	LIEN2
NYWTR	New York City Municipal Water Finance Authority	NYWTR 4.5 15Jun32	US64972GJZ81	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 5 01Dec28	US79575DN483	LIEN1
CU	State of California	CU 6 01Apr38	US13063A4Y75	
CNCT	State of Connecticut	CNCT 4 15Oct35	US20772J4B54	
FLRDA	State of Florida	FLRDA 5.8 01Jun39	US341426G249	
FDOT	State of Florida Department of Transportation	FDOT 4 01Jul37	US343137CC79	LIEN1
HAWAI	State of Hawaii	HAWAI 5.53 01Feb30	US419791YX08	
ILNOIS	State of Illinois	ILNOIS 4 01Jun41	US452152F222	
MARYLD	State of Maryland	MARYLD 3.25 15Mar32	US574193NP98	
MNSOTA	State of Minnesota	MNSOTA 5 01Aug36	US60412AHP12	
MSSPP	State of Mississippi	MSSPP 5 01Oct29	US605581JM08	
NWJRSY	State of New Jersey	NWJRSY .0525 01Jul19	US646039BC00	
NY	State of New York	NY 5 15Feb39	US6497878K70	
NRCARO	State of North Carolina	NRCARO 5 01Jun29	US658256Z882	
OHIO	State of Ohio	OHIO 5 01Nov35	US677522HH08	
STCARO	State of South Carolina	STCARO 2 01Apr24	US83710DY446	
TEXAS	State of Texas	TEXAS 6.072 01Oct29	US882722K027	
WSHGNTN	State of Washington	WSHGNTN 5 01Feb41	US93974DC443	
WISCON	State of Wisconsin	WISCON 5 01May32	US97705LA989	
TTCS	Texas Transportation Commission	TTCS 5 01Apr31	US86293LID91	LIEN1
APPLE	The City of New York	APPLE 5 01Aug37	US64966MFC96	
CITYOFBJ	The City of Philadelphia, Pennsylvania	CITYOFBJ 6.5 01Aug41	US717813MK24	
MASSHT	The Commonwealth of Massachusetts	MASSHT 5 01Sep28	US57582PQ685	
MWA	The Metropolitan Water District of Southern California	MWA 5 01Jul34	US59266TMM08	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