SUBCOMMITTEE ON SUPPLIER AND WORKFORCE DIVERSITY **UPDATE: SUPPLIER DIVERSITY IN FINANCIAL SERVICES**

MINORITY, WOMEN, DISABLED VETERAN BUSINESS **ENTERPRISE INVESTMENT BANKS** UTILITY DEBT INCLUSION OF









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Diversity Appendix I - NARUC Resolution Supporting Supplier



EXECUTIVE SUMMARY



- Utility bond issuance was down 7.8% 1H17 vs. 1H16
- 1H17 \$33.1 bil vs. \$35.8 bil in 1H16
- MWDVBE investment banks In 1H17, 19 out of 25 states (76%) with utility bond issuance utilized
- 2016 rate was 25 out of 31 states (81%)
- 2015 rate was 22 out of 33 states (67%)
- investment banks utilities issued debt in 1H17, but those states used no MWDVBE Colorado, Iowa, Oklahoma, Michigan, North Dakota and West Virginia
- Colorado and Michigan have not used MWDVBE investment banks in 2016 or 2017



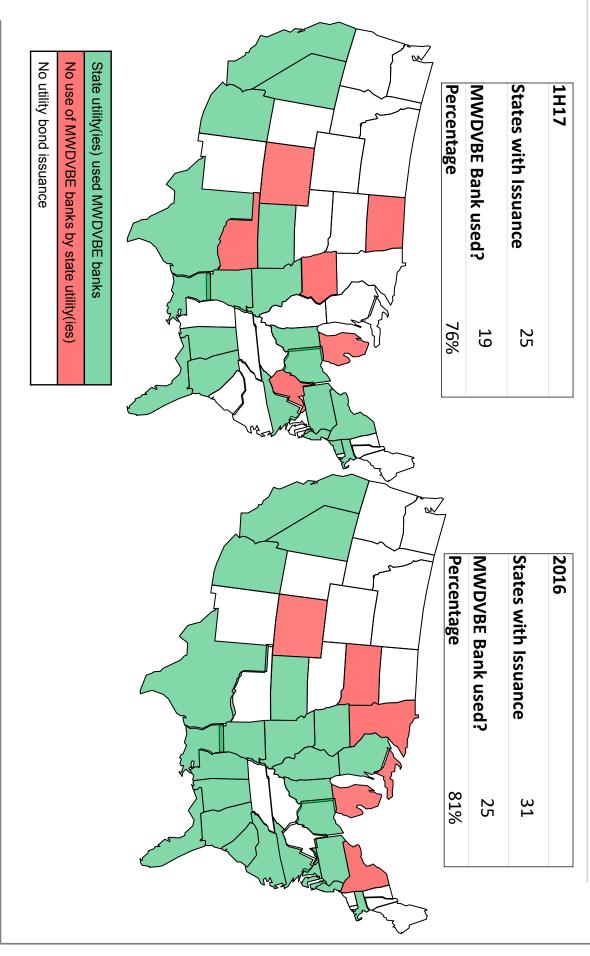
- Virginia Electric used MWDVBE banks for the first time
- them at the operating company (i.e. regulated) level Holding companies often do not use MWDVBE banks, preferring to use
- their "revolver banks" Utilities which do not engage MWDVBE banks deal exclusively with



UNITED STATES OVERVIEW

UNITED STATES OVERVIEW - 2016 AND 1H17

Repeat states with no MWDVBE bank participation include CO and VA





WMDVBE LEAD MANAGER MANDATES

WMDVBE LEAD MANAGER MANDATES 2016 AND 1H17

Duke Energy Ohio and San Diego Gas & Electric sustain their commitment





\$350M 3.70% FMB due 2046

Loop Capital Markets LLC
Bookrunners

March 2017



\$400M 3.75% FMB due 2047

CastleOak Securities
Bookrunner

June 2017



\$250M 3.70% FMB due 2046

The Williams Capital Group, L.P.
Loop Capital Markets LLC
Samuel A. Ramirez & Co Inc
Lebenthal & Co LLC
Mischler Financial Group
Bookrunners

June 2016



\$500M 2.60% FMB due 2026

Samuel A. Ramirez & Co Inc

Bookrunner

May 2016



\$500M 2.50% FMB due 2026

Loop Capital Markets LLCBookrunner

May 2016



\$600M 2.95% Notes due 2026

The Williams Capital Group,

Bookrunner

February 2016

ECONOMICS OF LEAD- AND CO-MANAGERS

Joint Book-Running Managers CastleOak Securities, L.P. Credit Agricole CIB Credit Suisse Goldman Suchs & Co. LLC ——————————————————————————————————	(1) Plus accuract interest from June 8, 2017 if settlement occurs after that date. Notifier the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense. We expect the Senies RRR bonds will be ready for delivery through The Depository Trust Company on or about June 8, 2017.	Investing in the Series RRK bonds involves risks. See the "Risk Factors" section on page S-4	3.750% First Mortgage Bonds, Series RRR, due 2047 The 3.750% First Mortgage Bends, Series RRR, due 2047 (the "Series RRR bends") will reduce on June 1, 2047, Interest on the Series RRR bends will accuse from June 8, 2017 and will be payable on June 1 and December 1 of each year, beginning on December 1, 2017. The Series RRR bends will be redeemable prior to maturity, at our option, at the redemption prices and under the circumstances described in this prospectus supplement.	\$400,000,000 San Diego Gas & Electric Company	Table of Contents Filed Pursu Registr PROSPECTUS SUPPLEMENT (To Prospectus dated July 13, 2015)
LLC SMBC Nikko	pproved or disapproved is truthful or complete.	Section on page S-4 Seria Seria R Rand SSS,216,000 0875% \$394,716,000 98.679% \$394,716,000	47 Te on June 1, 2047, Interest rt 1 of each year, ur option, at the redemption	any	Filed Pursuant to Rule 424(b)(2) Registration No. 333-205410

100%	\$3,500,000	\$400,000,000	Total
3%	\$105,000	\$12,000,000	Apto Partners, LLC
3%	\$105,000	\$12,000,000	Academy Securities, Inc.
21%	\$735,000	\$84,000,000	SMBC Nikko Securities America
21%	\$735,000	\$84,000,000	Goldman Sachs & Co. LLC
21%	\$735,000	\$84,000,000	Credit Suisse Securities (USA) LI
21%	\$735,000	\$84,000,000	Credit Agricole Securities (USA)
10%	\$350,000	\$40,000,000	CastleOak Securities, L.P.
	Fees	Liability	Name
	Gross	Underwriting	

June 5, 2017



UTILITY DETAIL BY STATE

AL	AR	AZ	CA
ALABAMA POWER CO	ENTERGY ARKANSAS INC	ARIZONA PUBLIC SERVICE	VICE
Academy Securities Inc	Mischler Financial Group	Drexel Hamilton	
Samuel A Ramirez & Co Inc	Williams Capital Group LP		
Williams Capital Group LP			

	Apto	MFR Securities Inc Acad	Blaylock Beal Van LLC Castle	PACIFIC GAS & ELECTRIC SAN I	CA
	Apto Partners LLC	Academy Securities Inc	CastleOak Securities	SAN DIEGO G & E	
			(Exclusively revolver banks)	SEMPRA ENERGY	CA
Williams Capital Group LP	Telsey Advisory Group	Guzman & Co	Apto Partners LLC	SOUTHERN CAL EDISON	CA

		(Exclusively revolver banks) Ramirez & Co Inc	PUBLIC SERVICE COLORADO CONNECTICUT LIGHT & PWR POTOMAC ELECTRI	60
		Ramirez & Co Inc	CONNECTICUT LIGHT & PWR	CT
		Drexel Hamilton	POTOMAC ELECTRIC POWER	DC
Williams Capital Group LP	Mischler Financial Group	Lebenthal & Co LLC	IC POWER DUKE ENERGY FLORIDA LLC	P

(Lead Manager role)

	Drexel Hamilton LLC	Apto Partners LLC	GULF POWER CO	严
		(Exclusively revolver banks)	NEXTERA ENERGY CAPITAL	严
Siebert Capital Markets	Loop Capital Markets LLC	CL King & Associates	GEORGIA POWER CO	GA
MFR Securities	Loop Capital Markets LLC	CastleOak Securities	SOUTHERN CO GAS CAPITAL	GA

	(Exclusively revolver banks)	MIDAMERICAN ENERGY CO	IA
	(Exclusively revolver banks) (Exclusively revolver banks) Mischler Financial Group	MIDAMERICAN ENERGY CO INDIANA MICHIGAN POWER NISOURCE FINAN	Z
Williams Capital Group LP	Mischler Financial Group	NISOURCE FINANCE CORP	Z
	Samuel A Ramirez & Co Inc	CE CORP WESTAR ENERGY INC	KS

2	MA	MA	₹
ENTERGY LOUISIANA LLC	EVERSOURCE ENERGY	NSTAR ELECTRIC CO	CMS ENERGY CORP
Loop Capital Markets LLC	Samuel A Ramirez & Co Inc	Williams Capital Group LP	(Exclusively revolver banks)

3	₹	MO	MO
CONSUMERS ENERGY CO	DTE ENERGY CO	GREAT PLAINS ENERGY INC	KANSAS CITY POWER & LT
(Exclusively revolver banks)	(Exclusively revolver banks) (Exclusively revolver banks)	(Exclusively revolver banks)	MFR Securities Inc
			Samuel A Ramirez & Co Inc

NO	ND	Ζ	N
UNION ELECTRIC CO	BASIN ELECTRIC PWR COOP PUBLIC SERVICE ELECTRIC	PUBLIC SERVICE ELECTRIC	SOUTHERN CO GAS CAPITAL
Academy Securities Inc	(Exclusively revolver banks) Williams Capital Group LP	Williams Capital Group LP	Loop Capital Markets LLC
CastleOak Securities			Williams Capital Group LP
Ramirez & Co Inc			

	(Exclusively revolver banks)	CONSOLIDATED EDISON INC	NY
	(Exclusively revolver banks) (Exclusively revolver banks)	ROCHESTER GAS & ELECTRIC	NY
Williams Capital Group LP	Samuel A Ramirez & Co Inc	CONSOLIDATED EDISON INC ROCHESTER GAS & ELECTRIC CONSOLIDATED EDISON CO O	NY
	(Exclusively revolver banks)	APPALACHIAN POWER CO	ᄋᇁ

Loop Capital Market LLC	DUKE ENERGY OHIO INC	ОН
(Exclusively revolver banks)	FIRSTENERGY CORP	ОН
(Exclusively revolver banks)	OKLAHOMA G&E CO	OK
(Exclusively revolver banks)	PPL ELECTRIC UTILITIES	PA

PA	TX.	ΤX	VA
EXELON GENERATION CO LLC ATMOS ENERGY CORP	ATMOS ENERGY CORP	CENTERPOINT ENER HOUSTON	R HOUSTON DOMINION ENERGY INC
Academy Securities Inc	(Exclusively revolver banks)	Williams Capital Group LP	(Exclusively revolver banks)
Loop Capital Markets LLC			
Mischler Financial Group			

VA	W
VIRGINIA ELEC & POWER CO	MONONGAHELA POWER CO
CastleOak Securities	(Exclusively revolver banks)
Loop Capital Markets LLC	

(Lead Manager role)



METHODOLOGY

METHODOLOGY AND SOURCES

- Analysis includes utility bonds with the following characteristics:
- Fixed-rate coupon
- Maturities of 2-years or more
- Issue size of \$250 million or more
- Investment grade ratings
- Moody's Baa3 and above
- Standard and Poor's BBB and above

Source: Bloomberg, L.P, The Williams Capital Group, L.P.