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High Grade Utilities & Power

The Investment Grid - Weekly Recap

Industry Overview

IG Utilities relative performance

The IG Utility Index underperformed the broader IG market for the week ending February 9, 2024, returning -0.99% vs. -0.81% for the ICE BofA US IG Index. On average, OpCo and HoldCo spreads tightened by 2 and 3 bps, respectively.

This week's best and worst performers

The best performing OpCo bonds this week were Alabama Power Co. 5.20% senior notes due '41, Southwestern Electric Power Co. 2.75% senior notes due '26, and New York State Electric and Gas 3.250% senior notes due '26. The worst performing OpCo bonds this week were San Diego Gas and Electric Co. 6.125% secured notes due '37, Cleco Power 6.00% senior notes due '40, and Tampa Electric Co. 6.15% secured notes due '37.

The best performing HoldCo bonds this week were Eversource Energy 3.35% senior notes due '26, Southern Co. 3.750% junior subordinated notes due '26, and Sempra Energy 4.125% junior subordinated notes due '27. The worst performing HoldCo bonds this week were AES Corp. 3.95% secured notes due '30, Southern Co. 4.00% junior subordinated notes due '26, and El Paso Electric Co. 5.00% senior notes due '44.

New Issuance

There was no new issue this week. Utilities have issued ~\$19.3 bn of bonds YTD.

14 February 2024

High Grade Credit United States Electric Utilities

Table of Contents

Top headlines, week ending February 9, 2024	2
Rating actions, week ending February 9, 2024	3
Utilities vs. IG Index: Performance for week	6
ending February 9, 2024	U
OpCos: Top-10 bond leaders and laggards, week	7
ending February 9, 2024	,
HoldCos: Top-10 bond leaders and laggards,	8
week ending February 9, 2024	O
OpCos: Top-10 bond leaders and laggards YTD	9
HoldCos: Top-10 bond leaders and laggards YTD	10
Average spreads by maturity and rating	11
New utility bond issuance QTD	13
New utility bond issuance YTD vs. historical	14

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Refer to important disclosures on page 15 to 17.

Top headlines, week ending February 9, 2024

Consumers Energy announces the sale of its Appliance Service Plan business to Oncourse Home Solutions

Consumers Energy announced that it reached an agreement to sell its internal business unit, the Appliance Service Plan (ASP) to Oncourse Home Solutions. The transaction is expected to close 1H24, subject to customary closing conditions.

Exelon names Mike Innocenzo COO; Dave Velazquez named President and CEO of PECO

Exelon announced that Mike Innocenzo, current president and CEO of Exelon subsidiary PECO, was promoted to EVP and COO of Exelon Corp. He will be succeeded at PECO by Dave Velazquez, current VP of Utility Operations and Technology.

WEC plans 1,200-MW natural gas plant, LNG storage facility in Wisconsin

WEC Energy subsidiaries Wisconsin Electric Power Co. and Wisconsin Public Service Corp. have filed a joint petition with the Public Service Commission of Wisconsin to accumulate and recover up to \$200 million in capital investment for generation projects. Project plans include the construction of 1,100 MW to 1,200 MW of gas-fired generating capacity on the site of the South Oak Creek power plant in Milwaukee County,



Rating actions, week ending February 9, 2024

XEL: Fitch affirms Xcel Energy's and subsidiaries' ratings; SPS's outlook revised to positive

Fitch's rating affirmation of XEL and subs. reflects the stable earnings and cash flow from the utility holding company's four regulated subsidiaries. Fitch notes the company's subsidiaries operate in credit supportive regulatory jurisdictions which allow for recovery of costs in a timely manner and ROEs close to the allowed level. The rating agency expects XEL's financial metrics to remain supportive of existing ratings, although with limited headroom, forecasting FFO leverage to remain in the 4.8-5.1x range through 2028. In conjunction with the HoldCo affirmation, Fitch revised the rating outlook of Southwestern Public Service Company (SPS) from stable to positive due to anticipated improvement in credit metrics over the forecast period, and more constructive regulatory environment where SPS is able to earn close to its allowed ROE.

ORSTED: S&P downgrades Orsted A/S to 'BBB'; outlook stable

The downgrade reflects S&P's view of Orsted's higher balance sheet leverage and perceived risk of the offshore wind industry. S&P notes Orsted's credit profile has deteriorated due to weaker project management and tough local market conditions resulting in several major impairments across its offshore wind portfolio. S&P views the company's strategy update outlining its focus on reducing growth capital spend and temporary dividend suspension as positive. Additionally, S&P expects Orsted to reduce its exposure to U.S. offshore wind eventually leading to a restoration of credit metrics in 2025/2026.



4Q Earnings Highlights

• **FirstEnergy (FE)** reported 4Q23 Adj. EPS of \$0.62, \$0.03 higher than Consensus of \$0.59 and up \$0.12 vs. 4Q22 of \$0.50. Provided FY24 Adj. EPS guidance in the range of \$2.61-2.81 (\$2.68 Cons.) and affirmed long-term earnings growth rate of 6-8% through 2028. In addition, it expects 1Q24 Adj. EPS in the range of \$0.48-0.58 (\$0.59 Cons.). Introduced \$28 Bn 5-year investment plan factoring 9% rate base growth. Plan expected to be funded by cash from operations, proceeds from Forum Energy Tec (FET) sale, and \$8.4 Bn of debt. FE does not anticipate any equity needs to fund capital plan. Financing plans for this year include \$300 mn at CEI, \$150 mn at ATSI, \$250 mn at MAIT, \$200 mn at KATCo, and \$800 mn at FET.

Not covered

- CMS Energy (CMS) reported 4Q23 Adj. EPS of \$1.05, \$0.01 higher than Consensus of \$1.04 and up \$0.45 vs. 4Q22 of \$0.60. CMS raised FY24 Adj. EPS guidance to \$3.29-3.35 (\$3.34 Cons.) from \$3.27-3.33 and reaffirmed its long-term EPS growth rate of 6-8% with confidence towards the high-end. Notably, the company increased its 5-year capex plan by \$1.5 bn to \$17 bn. Remaining 2024 planned financings include \$700 mn of OpCo FMBs.
- DTE Energy (DTE) reported 4Q23 Adj. EPS of \$1.97, up \$0.01 vs. Consensus of \$1.96 and up \$0.66 vs. 4Q22 of \$1.31. Affirmed FY24 Adj. EPS of \$6.54-6.83 (\$6.69 Cons.) and see long-term EPS growth rate of 6-8% through 2028. Targeting minimal equity issuance of \$0-100mn annually through 2026. 5-year capital plan was raised by \$2 bn to \$25bn.
- **Duke Energy (DUK)** reported 4Q23 Adj. EPS of \$1.51, \$0.03 lower than Consensus of \$1.54 and up \$0.40 vs. 4Q22 of \$1.11. Introduced FY24 Adj. EPS guidance of \$5.85-6.10 (\$5.98 Cons.) and reaffirmed long-term Adj. EPS growth rate of 5-7% through 2028. Increased 5-year capex plan by \$8 bn to \$73 bn. Expects equity issuance of \$500 Mn/year through 2028 via DRIP/ATM and targeting FFO/Debt of ~14% in 2024. Remaining debt issuance for 2024 includes \$3,300 mn at HoldCo, \$1,000 mn at Carolinas, \$500 mn at Progress, \$400 mn at Indiana, \$400 mn at Ohio, \$400 mn at Piedmont, and \$200 mn at Kentucky.
- WEC Energy Group (WEC) reported 4Q23 Adj. EPS of \$1.10, \$0.02 higher than
 Consensus of \$1.08; up \$0.30 vs. 4Q22 of \$0.80. Company recorded a non-cash
 charge of \$0.41 related to capital investments that were disallowed by the Illinois
 Commerce Commission. Per its Jan. 9 investor update, WEC's 2024 financing plans
 include \$700-1,200 mn of HoldCo debt, \$1,900-2,300 mn of OpCo debt, and equity
 between \$100-200 Mn.
- New Jersey Resources (NJR) reported 1Q24 Adj. EPS of \$0.74, \$0.02 higher than Consensus of \$0.72; down \$0.40 vs. 1Q23 of \$1.14. Raised FY24 Adj. EPS guidance to \$2.85-3.00 (\$2.79 Cons.) from \$2.70-2.85 and affirmed long-term annual growth rate of 7-9%. 2024 financing plans include debt proceeds of \$184-236 mn and \$17-19 mn of common stock proceeds.
- PNM Resources (PNM) reported 4Q23 Adj. EPS of \$0.17, \$0.03 higher than Consensus of \$0.14 and up \$0.02 vs. 4Q22 of \$0.15. Announced FY24 Adj. EPS guidance of \$2.65-2.75 (\$2.69 Cons.) and updated its long-term earnings growth rate of 6-7% through 2028 based on 2024 guidance midpoint of \$2.70. Targeting 10% rate base growth and 50-60% dividend payout as part of 5-year plan. Expects



NMRD sale to close Feb. 2024 and will receive \$115 mn of net proceeds. Will look to refinance corporate term loans with new debt (including hybrids) and issue \$500 Mn of equity through 2028.



Utilities vs. IG Index: Performance for week ending February 9, 2024

Exhibit 1: Utilities vs. IG Index

Utilities returned -0.99% vs. -0.81% for the IG Index

Sector	Total Return % 1-wk	Rank	Total Return % YTD	Rank
Leisure	-0.21%	1	-0.08%	1
Automotive	-0.22%	2	-0.14%	2
Banking	-0.50%	3	-0.28%	3
Financial Services	-0.53%	4	-0.44%	4
Real Estate	-0.67%	5	-0.69%	5
Insurance	-0.80%	6	-0.72%	6
Basic Industry	-0.80%	7	-1.23%	8
Capital Goods	-0.84%	8	-1.44%	11
Consumer Goods	-0.88%	9	-1.53%	12
Energy	-0.89%	10	-1.16%	7
Retail	-0.95%	11	-1.69%	15
Technology & Electronics	-0.99%	12	-1.62%	13
Utility	-0.99%	13	-1.35%	9
Services	-1.00%	14	-1.36%	10
Telecommunications	-1.08%	15	-1.66%	14
Transportation	-1.12%	16	-1.84%	17
Healthcare	-1.15%	17	-1.80%	16
Media	-1.28%	18	-1.97%	18
IG Index	-0.81%		-1.09%	

Source: ICE Data Indices, LLC



OpCos: Top-10 bond leaders and laggards, week ending February 9, 2024

Leaders

Exhibit 2: OpCo Leaders

Alabama Power Co. 5.20% senior notes were the best performing OpCo bonds this week

Rank	Ticker	Company	Bond	Maturity	Rating	STW	1-Wk Δ STW
1	SO	Alabama Power Company	5.200% Senior due 2041	6/1/41	A2	83	(32)
2	AEP	Southwestern Electric Power Company	2.750% Senior due 2026	10/1/26	BBB1	71	(22)
3	AGR	New York State Electric & Gas Corporation	3.250% Senior due 2026	12/1/26	A3	113	(21)
4	NGGLN	Massachusetts Electric Company	1.729% Senior due 2030	11/24/30	BBB1	155	(19)
5	AEP	Public Service Company of Oklahoma	6.625% Senior due 2037	11/15/37	A3	142	(18)
6	OGE	Oklahoma Gas and Electric Company	4.550% Senior due 2044	3/15/44	A3	116	(18)
7	EIX	Southern California Edison Company	5.500% Secured due 2040	3/15/40	A3	113	(17)
8	EIX	Southern California Edison Company	4.875% Secured due 2027	2/1/27	A3	62	(16)
9	SWX	Southwest Gas Corp	5.800% Senior due 2027	12/1/27	BBB1	79	(16)
10	FE	Pennsylvania Electric Company	3.250% Senior due 2028	3/15/28	BBB1	103	(15)

Source: ICE Data Indices, LLC

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Laggards

Exhibit 3: OpCo Laggards

San Diego Gas & Electric 6.125% secured notes were the worst performing OpCo bonds this week

Rank	Ticker	Company	Bond	Maturity	Rating	STW	1-Wk Δ STW
1	SRE	San Diego Gas & Electric Company	6.125% Secured due 2037	9/15/37	A2	175	26
2	CNL	Cleco Power LLC	6.000% Senior due 2040	12/1/40	BBB1	172	21
3	TE	Tampa Electric Company	6.150% Senior due 2037	5/15/37	A3	166	17
4	PNW	Arizona Public Service Company	5.500% Senior due 2035	9/1/35	A3	156	15
5	ONCRTX	Oncor Electric Delivery Company LLC	5.300% Secured due 2042	6/1/42	A2	64	14
6	CNP	CenterPoint Energy Resources Corp.	4.000% Senior due 2028	4/1/28	A3	66	13
7	ED	Consolidated Edison Company of New York Inc.	5.700% Senior due 2036	12/1/36	A3	137	12
8	IDA	Idaho Power Company	3.650% Secured due 2045	3/1/45	A3	146	11
9	FE	Trans-Allegheny Interstate Line Company	3.850% Senior due 2025	6/1/25	BBB1	77	9
10	SO	Alabama Power Company	5.500% Senior due 2041	3/15/41	A2	128	9

Source: ICE Data Indices, LLC

HoldCos: Top-10 bond leaders and laggards, week ending February 9, 2024

Leaders

Exhibit 4: HoldCo Leaders

Eversource Energy 3.35% senior notes were the best performing HoldCo bonds this week

Rank	Ticker	Company	Bond	Maturity	Rating	STW	1-Wk Δ STW
1	ES	Eversource Energy	3.350% Senior due 2026	3/15/26	BBB2	75	(39)
2	SO	Southern Co.	3.750% Junior subordinated due 2026	9/15/26	BBB3	206	(34)
3	SRE	Sempra	4.125% Junior subordinated due 2027	4/1/27	BBB3	270	(29)
4	DQE	Duquesne Light Holdings Inc.	2.775% Senior due 2032	1/7/32	BBB3	166	(28)
5	DUK	Duke Energy Corp	3.250% Junior subordinated due 2026	10/15/26	BBB3	265	(28)
6	AEP	American Electric Power Co Inc.	3.875% Junior subordinated due 2027	2/15/27	BBB3	264	(24)
7	BRKHEC	Berkshire Hathaway Energy Company	3.500% Senior due 2025	2/1/25	A3	24	(24)
8	CMS	CMS Energy Corporation	3.750% Junior subordinated due 2030	12/1/30	BBB3	264	(23)
9	NEE	NextEra Energy Capital Holdings Inc	3.800% Junior subordinated due 2027	3/15/27	BBB2	253	(22)
10	SR	Spire Inc	4.700% Senior due 2044	8/15/44	BBB2	154	(22)

Source: ICE Data Indices, LLC

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Laggards

Exhibit 5: HoldCo Laggards

AES Corp. 3.950% secured notes were the worst performing HoldCo bonds this week

Rank	Ticker	Company	Bond	Maturity	Rating	STW	1-Wk Δ STW
1	AES	The AES Corporation	3.950% Secured due 2030	7/15/30	BBB3	158	24
2	SO	Southern Co.	4.000% Junior subordinated due 2026	1/15/26	BBB3	197	13
3	EE	El Paso Electric Co.	5.000% Senior due 2044	12/1/44	BBB2	190	12
4	PSD	Puget Energy Inc	4.100% Secured due 2030	6/15/30	BBB3	169	9
5	OGLETH	Oglethorpe Power Corporation Membership	4.200% Secured due 2042	12/1/42	BBB1	173	7
6	OGLETH	Oglethorpe Power Corporation Membership	5.050% Secured due 2048	10/1/48	BBB1	144	6
7	AVA	Avista Corporation	4.350% Secured due 2048	6/1/48	A3	123	5
8	CNP	Centerpoint Energy Inc	5.250% Senior due 2026	8/10/26	BBB2	55	5
9	EXC	Exelon Corporation	3.950% Senior due 2025	6/15/25	BBB2	63	5
10	NFG	National Fuel Gas Company	5.500% Senior due 2026	1/15/26	BBB3	103	5

Source: ICE Data Indices, LLC



OpCos: Top-10 bond leaders and laggards YTD

Leaders

Exhibit 6: OpCo Leaders, YTD

Metropolitan Edison Co. 4.00% senior notes are the best performing OpCo bonds YTD

Rank	Ticker	Company	Bond	Maturity	Rating	STW	Δ STW YTD
1	FE	Metropolitan Edison Company	4.000% Senior due 2025	4/15/25	BBB1	94	(43)
2	PCG	Pacific Gas and Electric Company	3.450% Secured due 2025	7/1/25	BBB3	81	(42)
3	PCG	Pacific Gas and Electric Company	3.500% Senior due 2025	6/15/25	BBB3	87	(39)
4	SO	Alabama Power Company	5.200% Senior due 2041	6/1/41	A2	83	(37)
5	AEP	Appalachian Power Company	6.700% Senior due 2037	8/15/37	A3	136	(35)
6	PCG	Pacific Gas and Electric Company	4.000% Senior due 2046	12/1/46	BBB3	163	(34)
7	OGE	Oklahoma Gas and Electric Company	4.550% Senior due 2044	3/15/44	A3	116	(34)
8	PCG	Pacific Gas and Electric Company	3.300% Senior due 2027	3/15/27	BBB3	121	(30)
9	PPL	Narragansett Electric Co.	3.395% Senior due 2030	4/9/30	A3	90	(30)
10	OGE	Oklahoma Gas and Electric Company	5.250% Senior due 2041	5/15/41	A3	126	(30)

Source: ICE Data Indices, LLC

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Laggards

Exhibit 7: OpCo Laggards, YTD

Kentucky Utilities Co. 3.30% secured notes are the worst performing OpCo bonds YTD

Rank	Ticker	Company	Bond	Maturity	Rating	STW	Δ STW YTD
1	PPL	Kentucky Utilities Company	3.300% Secured due 2025	10/1/25	A2	71	29
2	SRE	San Diego Gas & Electric Company	6.125% Secured due 2037	9/15/37	A2	175	25
3	NGGLN	Boston Gas Company	3.150% Senior due 2027	8/1/27	BBB1	125	24
4	EIX	Southern California Edison Company	6.000% Secured due 2034	1/15/34	A3	111	22
5	CMS	Consumers Energy Company	3.250% Secured due 2046	8/15/46	A1	74	17
6	SO	Georgia Power Company	4.650% Senior due 2028	5/16/28	BBB1	68	17
7	EIX	Southern California Edison Company	5.350% Secured due 2035	7/15/35	A3	117	13
8	SO	Alabama Power Company	3.940% Senior due 2032	9/1/32	A2	85	13
9	SO	Georgia Power Company	2.650% Senior due 2029	9/15/29	BBB1	78	11
10	BRKHEC	Sierra Pacific Power Company	6.750% Secured due 2037	7/1/37	A2	170	10

Source: ICE Data Indices, LLC

HoldCos: Top-10 bond leaders and laggards YTD

Leaders

Exhibit 8: HoldCo Leaders, YTD

Southern Co. 3.75% junior subordinated notes are the best performing HoldCo bonds YTD

Rank	Ticker	Company	Bond	Maturity	Rating	STW	Δ STW YTD
1	SO	Southern Co.	3.750% Junior subordinated due 2026	9/15/26	BBB3	206	(76)
2	NEE	NextEra Energy Capital Holdings Inc	5.650% Junior subordinated due 2029	5/1/29	BBB2	250	(67)
3	DUK	Duke Energy Corp	3.250% Junior subordinated due 2026	10/15/26	BBB3	265	(67)
4	AEP	American Electric Power Co Inc.	3.875% Junior subordinated due 2027	2/15/27	BBB3	264	(61)
5	NEE	NextEra Energy Capital Holdings Inc	4.800% Junior subordinated due 2027	12/1/27	BBB2	369	(59)
6	SRE	Sempra	4.125% Junior subordinated due 2027	4/1/27	BBB3	270	(53)
7	NEE	NextEra Energy Capital Holdings Inc	3.800% Junior subordinated due 2027	3/15/27	BBB2	253	(48)
8	DQE	Duquesne Light Holdings Inc.	2.775% Senior due 2032	1/7/32	BBB3	166	(45)
9	CMS	CMS Energy Corporation	3.750% Junior subordinated due 2030	12/1/30	BBB3	264	(40)
10	SR	Spire Inc	4.700% Senior due 2044	8/15/44	BBB2	154	(39)

Source: ICE Data Indices, LLC

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Laggards

Exhibit 9: HoldCo Laggards, YTD

Oglethorpe Power Corp. 6.191% secured notes are the worst performing HoldCo bonds YTD

Rank	Ticker	Company	Bond	Maturity	Rating	STW	Δ STW YTD
1	OGLETH	Oglethorpe Power Corporation Membership	6.191% Secured due 2031	1/1/31	A2	192	36
2	ES	Eversource Energy	5.125% Senior due 2033	5/15/33	BBB2	136	18
3	ES	Eversource Energy	3.300% Senior due 2028	1/15/28	BBB2	98	17
4	D	Dominion Energy Inc	4.350% Senior due 2032	8/15/32	BBB2	112	15
5	SRE	Sempra	5.500% Senior due 2033	8/1/33	BBB2	128	15
6	ES	Eversource Energy	2.900% Senior due 2027	3/1/27	BBB2	83	15
7	ES	Eversource Energy	5.450% Senior due 2028	3/1/28	BBB2	90	15
8	AWK	American Water Capital Corp	4.450% Senior due 2032	6/1/32	A3	80	14
9	ES	Eversource Energy	3.375% Senior due 2032	3/1/32	BBB2	137	12
10	SRE	Sempra	3.700% Senior due 2029	4/1/29	BBB2	96	12

Source: ICE Data Indices, LLC



Average spreads by maturity and rating

OpCos

Exhibit 10: Average spread by maturity and rating - OpCos

OpCo spreads tightened by 2 bps this week

OpCos - Average Spreads - Week ending 2/9/24

Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	50	88	99	106	92
Α	57	99	111	115	97
A-	66	109	124	121	107
BBB+	96	141	133	146	124
BBB	115	159	n/a	n/a	135
BBB-	112	166	166	182	146
Total	73	110	118	119	106

	OpCos -	1-week avg.	change in	STW
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Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	(4)	(1)	(1)	0	(2)
Α	(2)	(1)	(1)	(2)	(1)
A-	(2)	(1)	(1)	(0)	(2)
BBB+	(5)	1	(1)	(3)	(2)
BBB	3	1	n/a	n/a	(1)
BBB-	(4)	(3)	(2)	2	(2)
Total	(3)	(0)	(1)	(1)	(2)

0	pCos -	YTD av	<u>rg. chan</u> r	ge in STW

Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	(3)	1	(9)	(2)	(5)
Α	(4)	(1)	(9)	(7)	(6)
A-	(4)	(1)	(11)	(6)	(7)
BBB+	(9)	(6)	(12)	(14)	(9)
BBB	(9)	(8)	n/a	n/a	(7)
BBB-	(18)	(12)	(22)	(20)	(18)
Total	(6)	(2)	(11)	(7)	(7)

Source: ICE Data Indices, LLC

HoldCos

Exhibit 11: Average spread by maturity and rating – HoldCos HoldCo spreads tightened by 3 bps this week

HoldCos - Average Spreads - Week ending 2/9/24

Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	n/a	n/a	n/a	n/a	n/a
Α	n/a	120	111	112	129
A-	59	80	90	119	86
BBB+	70	129	173	144	104
BBB	87	127	134	133	106
BBB-	144	217	n/a	n/a	160
Total	92	131	125	131	111

HoldCos - 1-week avg. change in STW

Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	n/a	n/a	n/a	n/a	n/a
Α	n/a	(5)	(1)	(1)	(1)
A-	(5)	0	(1)	(6)	(2)
BBB+	(4)	(3)	7	(3)	(2)
BBB	(4)	(2)	(2)	(1)	(3)
BBB-	(7)	(3)	n/a	n/a	(6)
Total	(5)	(2)	(1)	(2)	(3)

HoldCos - YTD avg. change in STW

Rating	Short	10 year	20 year	30 year	Avg.
AA-	n/a	n/a	n/a	n/a	n/a
A+	n/a	n/a	n/a	n/a	n/a
Α	n/a	(30)	(18)	(2)	(9)
A-	(4)	(16)	(16)	(12)	(7)
BBB+	(7)	(11)	(7)	(6)	(6)
BBB	(6)	4	(14)	(8)	(5)
BBB-	(22)	(15)	n/a	n/a	(20)
Total	(9)	(1)	(14)	(7)	(8)

Source: ICE Data Indices, LLC

New utility bond issuance QTD Exhibit 12: 1Q new utility bond issuance Utilities have issued ~\$19 Bn in bonds this quarter

Date	Ticker	Issuer	Туре	Security	Rating (Moody's/S&P/Fitch)	Amount	Coupon	Maturity	SOT	Δ vs IPT	Book
1/2/24	D	Virginia Electric & Power	ОрСо	Unsec. Notes	A2/BBB+/A	\$500	5.000%	1/15/34	+115	-20	4.4x
1/2/24	D	Virginia Electric & Power	OpCo	Unsec. Notes	A2/BBB+/A	\$500	5.300%	1/15/54	+127	-28	5.4x
1/2/24	PPL	PPL Electric Utilities	OpCo	FMBs	A1/A+/NR	\$650	4.850%	2/15/34	+92	-31	5.4x
1/2/24	CMS	Consumers Energy	OpCo	FMBs	A1/A/A+	\$600	4.650%	5/30/29	+73	-22	3.3x
1/2/24	DUK	Duke Energy Corp	HoldCo	Unsec. Notes	Baa2/BBB/NR	\$550	4.850%	1/5/27	+75	-25	2.7x
1/2/24	DUK	Duke Energy Corp	HoldCo	Unsec. Notes	Baa2/BBB/NR	\$550	4.850%	1/5/29	+95	-25	2.7x
1/3/24	DUK	Duke Energy Carolinas	OpCo	FMBs	Aa3/A/NR	\$575	4.850%	1/15/34	+100	-18	2.5x
1/3/24	DUK	Duke Energy Carolinas	OpCo	FMBs	Aa3/A/NR	\$425	5.400%	1/15/54	+118	-20	2.4x
1/3/24	AEE	Union Electric	OpCo	FMBs	A2/A/NR	\$350	5.250%	1/15/54	+123	-22	3.9x
1/3/24	BRKHEC	PacifiCorp	OpCo	FMBs	A2/A/NR	\$500	5.100%	2/15/29	+120	-30	4.6x
1/3/24	BRKHEC	PacifiCorp	OpCo	FMBs	A2/A/NR	\$700	5.300%	2/15/31	+140	-30	2.9x
1/3/24	BRKHEC	PacifiCorp	OpCo	FMBs	A2/A/NR	\$1,100	5.450%	2/15/34	+155	-25	2.6x
1/3/24	BRKHEC	PacifiCorp	OpCo	FMBs	A2/A/NR	\$1,500	5.800%	1/15/55	+175	-25	2.6x
1/8/24	EIX	Southern California Edison	OpCo	FMBs	A2/A-/A-	\$500	4.875%	2/1/27	+75	-15	3.2x
1/8/24	EIX	Southern California Edison	OpCo	FMBs	A2/A-/A-	\$900	5.200%	6/1/34	+120	-18	2.3x
1/9/24	AQN	Liberty Utilities	OpCo	Unsec. Notes	Baa2 / BBB / BBB+	\$500	5.577%	1/31/29	+185	-30	3.0x
1/9/24	AQN	Liberty Utilities	OpCo	Unsec. Notes	Baa2 / BBB / BBB+	\$350	5.869%	1/31/34	+195	-25	4.3x
1/11/24	NGGLN	Niagara Mohawk	OpCo	Unsec. Notes	Baa1/BBB+/NR	\$500	5.290%	1/17/34	+130	-30	3.5x
1/11/24	NGGLN	Niagara Mohawk	OpCo	Unsec. Notes	Baa1/BBB+/NR	\$700	5.664%	1/17/54	+145	-35	6.4x
1/16/24	ES	Eversource Energy	HoldCo	Unsec. Notes	Baa2/BBB+/BBB	\$350	5.000%	1/1/27	+100	-25	5.1x
1/16/24	ES	Eversource Energy	HoldCo	Unsec. Notes	Baa2/BBB+/BBB	\$650	5.500%	1/1/34	+150	-25	4.4x
1/16/24	ES	Connecticut Light & Power	OpCo	FMBs	A1/A+/A+	\$350	4.650%	1/1/29	+75	-30	5.3x
1/22/24	BRKHEC	MidAmerican Energy	OpCo	FMBs	Aa2/A/NR	\$600	5.300%	2/1/55	+98	-37	5.5x
1/25/24	EMACN	Tampa Electric	OpCo	Unsec. Notes	A3/BBB+/A	\$500	4.900%	3/1/29	+88	-28	5.0x
1/29/24	NEE	NextEra Energy Capital Holdings	HoldCo	Unsec. Notes	Baa1/BBB+/A-	\$1,000	4.950%	1/29/26	+65	-20	1.9x
1/29/24	NEE	NextEra Energy Capital Holdings	HoldCo	Unsec. Notes	Baa1/BBB+/A-	\$600	Float	1/29/26	S+76		1.3x
1/29/24	NEE	NextEra Energy Capital Holdings	HoldCo	Unsec. Notes	Baa1/BBB+/A-	\$900	4.900%	3/15/29	+95	-20	2.1x
1/29/24	NEE	NextEra Energy Capital Holdings	HoldCo	Unsec. Notes	Baa1/BBB+/A-	\$1,100	5.250%	3/15/34	+120	-20	2.8x
1/29/24	NEE	NextEra Energy Capital Holdings	HoldCo	Unsec. Notes	Baa1/BBB+/A-	\$800	5.550%	3/15/54	+125	-28	3.3x
1/29/24	BRKHEC	Northern Natural Gas	OpCo	Unsec. Notes	A2/A-/NR	\$500	5.620%	2/1/54	+128	-35	9.8x

Source: Bloomberg

New utility bond issuance YTD vs. historical

Exhibit 13: Utility bond issuance YTD vs. historical YTD bond issuance is up ~\$7.4 Bn YoY

Debt Issuance (YTD as of Feb-9)							
Debt Issuance (\$Mn)	2018	2019	2020	2021	2022	2023	2024
OpCo FMBs	16,100	24,690	40,660	32,055	25,875	42,225	8,750
OpCo Unsecured	23,695	18,500	15,555	21,225	20,625	18,800	4,050
HoldCo	22,515	26,818	52,800	36,900	31,205	37,790	6,500
Total Debt Issuance	9.000	5.730	6.325	1.750	7.505	11.950	19.300

Source: Bloomberg



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