

ELECTRIC & GAS UTILITIES

No.	Sym	Company	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Date	Shares Issued	Offering Price	Underwriting Discount (per share)	Underwriting Discount	Offering Expense	Total Flotation Costs	Gross Proceeds Before Flot. Costs	Flotation Cost (%)
1	ALE	ALLETE	4/1/2022	3,200,000	\$63.00	\$2.20500	\$7,056,000	\$700,000	\$7,756,000	\$201,600,000	3.847%
2	LNT	Alliant Energy	11/14/2019	3,717,502	\$52.63	\$0.39500	\$1,468,413	\$500,000	\$1,968,413	\$195,652,130	1.006%
3	AEE	Ameren Corp.	8/5/2019	7,549,205	\$74.30	\$0.12000	\$905,905	\$750,000	\$1,655,905	\$560,905,932	0.295%
4	AEP	American Elec Pwr	4/2/2009	69,000,000	\$24.50	\$0.73500	\$50,715,000	\$400,000	\$51,115,000	\$1,690,500,000	3.024%
5	AGR	Avangrid, Inc.					N/A				
6	AVA	Avista Corp.	12/13/2006	3,162,500	\$25.05	\$0.48000	\$1,518,000	\$300,000	\$1,818,000	\$79,220,625	2.295%
7	BKH	Black Hills Corp.	2/25/2020	1,222,942	\$81.77	\$0.73590	\$899,963	\$230,000	\$1,129,963	\$99,999,967	1.130%
8	CNP	CenterPoint Energy	9/27/2018	60,550,459	\$27.25	\$0.75000	\$45,412,844	\$1,000,000	\$46,412,844	\$1,650,000,008	2.813%
9	CMS	CMS Energy Corp.	3/31/2005	23,000,000	\$12.25	\$0.42880	\$9,862,400	\$325,000	\$10,187,400	\$281,750,000	3.616%
10	ED	Consolidated Edison (a)	6/17/2021	10,100,000	\$76.92	\$0.83000	\$8,383,000	\$450,000	\$8,833,000	\$776,892,000	1.137%
11	D	Dominion Energy (a)	3/29/2018	20,000,000	\$67.33	\$1.89420	\$37,884,000	\$450,000	\$38,334,000	\$1,346,516,000	2.847%
12	DTE	DTE Energy Co.	10/29/2019	2,400,000	\$126.00	\$3.15000	\$7,560,000	\$300,000	\$7,860,000	\$302,400,000	2.599%
13	DUK	Duke Energy Corp. (a)	11/18/2019	25,000,000	\$85.99	\$2.66000	\$66,500,000	\$592,000	\$67,092,000	\$2,149,750,000	3.121%
14	EIX	Edison International	5/13/2020	14,181,882	\$56.41	\$0.98718	\$14,000,000	\$1,000,000	\$15,000,000	\$799,999,964	1.875%
15	ETR	Energy Corp.	6/8/2018	13,289,037	\$75.25	\$0.80000	\$10,631,230	\$650,000	\$11,281,230	\$1,000,000,034	1.128%
16	EVRG	Evergy Inc.					N/A				
17	ES	Eversource Energy	6/12/2020	6,000,000	\$84.91	\$1.35000	\$8,100,000	\$600,000	\$8,700,000	\$509,460,000	1.708%
18	EXC	Exelon Corp. (a)	8/8/2022	11,300,000	\$43.32	\$0.99000	\$11,187,000	\$900,000	\$12,087,000	\$489,516,000	2.469%
19	FE	FirstEnergy Corp.	9/15/2003	32,200,000	\$30.00	\$0.97500	\$31,395,000	\$423,000	\$31,818,000	\$966,000,000	3.294%
20	HE	Hawaiian Elec.	3/20/2013	7,000,000	\$26.75	\$1.00312	\$7,021,840	\$450,000	\$7,471,840	\$187,250,000	3.990%
21	IDA	IDACORP, Inc.	12/10/2004	4,025,000	\$30.00	\$1.20000	\$4,830,000	\$300,000	\$5,130,000	\$120,750,000	4.248%
22	NEE	NextEra Energy, Inc. (a)	11/3/2016	13,800,000	\$124.00	\$1.89000	\$26,082,000	\$750,000	\$26,832,000	\$1,711,200,000	1.568%
23	NWE	NorthWestern Corp.	11/18/2021	6,074,767	\$53.50	\$1.60500	\$9,750,001	\$900,000	\$10,650,001	\$325,000,035	3.277%
24	OGE	OGE Energy Corp.	8/22/2003	5,324,074	\$21.60	\$0.79000	\$4,206,018	\$325,000	\$4,531,018	\$114,999,998	3.940%
25	OTTR	Otter Tail Corp.					N/A				
26	PNW	Pinnacle West Capital	4/9/2010	6,900,000	\$38.00	\$1.33000	\$9,177,000	\$190,000	\$9,367,000	\$262,200,000	3.572%
27	PNM	PNM Resources	1/7/2020	5,375,000	\$47.21	\$1.99000	\$10,696,250	\$750,000	\$11,446,250	\$253,753,750	4.511%
28	POR	Portland General Elec.	10/27/2022	10,100,000	\$43.00	\$1.23625	\$12,486,125	\$515,000	\$13,001,125	\$434,300,000	2.994%
29	PPL	PPL Corp.	5/10/2018	55,000,000	\$27.00	\$0.29430	\$16,186,500	\$1,000,000	\$17,186,500	\$1,485,000,000	1.157%
30	PEG	Pub Sv Enterprise Grp.	10/2/2003	9,487,500	\$41.75	\$1.25250	\$11,883,094	\$350,000	\$12,233,094	\$396,103,125	3.088%
31	SRE	Sempra Energy	1/5/2018	26,869,158	\$107.00	\$1.92600	\$51,749,998	\$1,500,000	\$53,249,998	\$2,874,999,906	1.852%
32	SO	Southern Company (a)	8/18/2016	32,500,000	\$49.30	\$1.66000	\$53,950,000	\$557,000	\$54,507,000	\$1,602,250,000	3.402%
33	WEC	WEC Energy Group					N/A				
34	XEL	Xcel Energy Inc. (a)	10/30/2019	10,300,000	\$62.69	\$0.63000	\$6,489,000	\$650,000	\$7,139,000	\$645,707,000	1.106%
		Average									2.564%
1	ATO	Atmos Energy Corp.	11/30/2018	7,008,087	\$92.75	\$0.97690	\$6,846,200	\$1,000,000	\$7,846,200	\$650,000,069	1.207%
2	CPK	Chesapeake Utilities	9/23/2016	960,488	\$62.26	\$2.33000	\$2,237,937	\$162,046	\$2,399,983	\$59,799,983	4.013%
3	NJR	New Jersey Resources	12/4/2019	5,700,000	\$41.25	\$1.23750	\$7,053,750	\$500,000	\$7,553,750	\$235,125,000	3.213%
4	NI	NiSource Inc.	5/3/2017	N/A	N/A	N/A	\$10,000,000	\$57,950	\$10,057,950	\$500,000,000	2.012%
5	NWN	Northwest Nat. Holding Co.	3/30/2022	2,500,000	\$50.00	\$1.62500	\$4,062,500	\$450,000	\$4,512,500	\$125,000,000	3.610%
6	OGS	ONE Gas, Inc.					N/A				
7	SWX	Southwest Gas	3/9/2023	3,576,180	\$60.12	\$2.02910	\$7,256,427	\$538,000	\$7,794,427	\$214,999,942	3.625%
8	SR	Spire Inc.	5/9/2018	2,000,000	\$63.05	\$2.10938	\$4,218,760	\$325,000	\$4,543,760	\$126,100,000	3.603%
		Average									3.040%
		Average - Electric & Gas									2.654%

Column Notes:

- (1-4) SEC Form 424B for each company (through April 10, 2023).
(5) Column (2) * Column (4)
(6) SEC Form 424B for each company (through April 10, 2023).
(7) Column (5) + Column (6)
(8) Column (2) * Column (3)
(9) Column (7) / Column (8)

Note (a): Underwriting discount computed as the difference between the current market price and the price offered to the issuing company by the underwriters.