

Weather Data (Normal and Actual)

	Observed HDD (ADD)	Spire Ranked NDD	NDD - ADD
10/1/2017	-	2.7	2.7
10/2/2017	-	3.7	3.7
10/3/2017	-	1.0	1.0
10/4/2017	-	-	-
10/5/2017	-	-	-
10/6/2017	-	-	-
10/7/2017	-	11.3	11.3
10/8/2017	-	13.1	13.1
10/9/2017	-	7.9	7.9
10/10/2017	2.0	7.1	5.1
10/11/2017	10.0	0.2	(9.8)
10/12/2017	7.0	6.3	(0.7)
10/13/2017	-	20.5	20.5
10/14/2017	-	12.3	12.3
10/15/2017	4.0	-	(4.0)
10/16/2017	10.0	-	(10.0)
10/17/2017	5.5	-	(5.5)
10/18/2017	2.5	-	(2.5)
10/19/2017	-	8.8	8.8
10/20/2017	1.0	16.2	15.2
10/21/2017	-	24.1	24.1
10/22/2017	3.5	18.5	15.0
10/23/2017	4.5	1.8	(2.7)
10/24/2017	15.0	15.1	0.1
10/25/2017	12.0	14.1	2.1
10/26/2017	5.0	10.4	5.4
10/27/2017	18.5	17.2	(1.3)
10/28/2017	27.5	5.5	(22.0)
10/29/2017	23.0	-	(23.0)
10/30/2017	19.5	4.7	(14.8)
10/31/2017	28.0	9.5	(18.5)
11/1/2017	19.0	0.8	(18.2)
11/2/2017	0.5	-	(0.5)
11/3/2017	13.5	5.2	(8.3)
11/4/2017	4.0	8.2	4.2
11/5/2017	-	14.0	14.0
11/6/2017	19.0	15.7	(3.3)
11/7/2017	19.0	7.0	(12.0)
11/8/2017	22.0	11.7	(10.3)
11/9/2017	20.5	19.3	(1.2)
11/10/2017	32.5	18.5	(14.0)
11/11/2017	24.0	15.0	(9.0)
11/12/2017	19.5	23.4	3.9
11/13/2017	20.5	22.2	1.7
11/14/2017	20.0	12.9	(7.1)
11/15/2017	12.0	17.8	5.8
11/16/2017	26.0	9.6	(16.4)
11/17/2017	19.5	3.1	(16.4)
11/18/2017	10.0	10.9	0.9
11/19/2017	28.5	30.2	1.7
11/20/2017	17.5	39.6	22.1

Bill Cycle Information			Column J:	Column K:	Column L:	Column M:
Bill Cycle	Start Date	End Date	Sum of (NDD-ADD) between Start and End Date	# Cust. Charges	Column J * K	Column L * β; where β = 0.1493772
1	8/31/2017	9/30/2017	-	25,627	-	-
2	9/4/2017	10/1/2017	2.69	33,528	90,086.17	13,456.82
3	9/5/2017	10/2/2017	6.43	30,473	195,905.44	29,263.81
4	9/6/2017	10/3/2017	7.43	34,325	254,903.79	38,076.81
5	9/7/2017	10/7/2017	18.76	32,483	609,416.07	91,032.87
6	9/10/2017	10/8/2017	31.87	31,668	1,009,158.68	150,745.30
7	9/11/2017	10/9/2017	39.79	27,893	1,109,807.01	165,779.86
8	9/12/2017	10/10/2017	44.88	32,481	1,457,742.53	217,753.50
9	9/13/2017	10/11/2017	35.03	32,687	1,145,092.34	171,050.69
10	9/17/2017	10/15/2017	63.09	36,951	2,331,073.66	348,209.26
11	9/18/2017	10/16/2017	53.09	32,158	1,707,155.16	255,010.06
12	9/19/2017	10/17/2017	47.59	32,812	1,561,406.26	233,238.49
13	9/20/2017	10/18/2017	45.09	27,392	1,235,000.39	184,480.90
14	9/21/2017	10/22/2017	108.19	36,796	3,981,047.89	594,677.79
15	9/24/2017	10/23/2017	105.48	38,716	4,083,620.83	609,999.85
16	9/25/2017	10/24/2017	105.59	36,793	3,884,958.90	580,324.28
17	9/26/2017	10/25/2017	107.72	34,105	3,673,829.68	548,786.39
18	9/27/2017	10/28/2017	89.71	37,278	3,344,268.47	499,557.46
1	10/1/2017	10/30/2017	51.89	25,141	1,304,658.39	194,886.22
2	10/2/2017	10/31/2017	30.71	33,807	1,038,244.05	155,089.99
3	10/3/2017	11/1/2017	8.79	30,573	268,642.40	40,129.05
4	10/4/2017	11/4/2017	3.26	34,424	112,304.94	16,775.80
5	10/8/2017	11/5/2017	5.93	32,700	193,773.81	28,945.39
6	10/9/2017	11/6/2017	(10.44)	31,549	(329,419.31)	(49,207.73)
7	10/10/2017	11/7/2017	(30.35)	27,838	(844,862.63)	(126,203.21)
8	10/11/2017	11/8/2017	(45.76)	32,532	(1,488,653.30)	(222,370.86)
9	10/12/2017	11/11/2017	(60.19)	32,844	(1,976,713.57)	(295,275.94)
10	10/16/2017	11/13/2017	(82.62)	37,654	(3,111,019.72)	(464,715.42)
11	10/17/2017	11/14/2017	(79.76)	31,731	(2,530,935.62)	(378,064.08)
12	10/18/2017	11/15/2017	(68.44)	32,830	(2,246,828.61)	(335,624.97)
13	10/19/2017	11/18/2017	(97.87)	27,183	(2,660,538.59)	(397,423.81)
14	10/23/2017	11/19/2017	(159.27)	36,901	(5,877,216.15)	(877,922.09)
15	10/24/2017	11/20/2017	(134.47)	38,765	(5,212,954.80)	(778,696.59)
16	10/25/2017	11/25/2017	(99.11)	37,011	(3,668,060.05)	(547,924.54)
17	10/26/2017	11/26/2017	(91.99)	34,549	(3,178,064.33)	(474,730.35)
18	10/29/2017	11/27/2017	(57.17)	37,440	(2,140,490.05)	(319,740.41)
1	10/31/2017	11/29/2017	3.07	25,349	77,701.66	11,606.86
2	11/1/2017	12/2/2017	53.18	34,137	1,815,307.54	271,165.56
3	11/2/2017	12/3/2017	87.66	31,175	2,732,712.39	408,204.93
4	11/5/2017	12/4/2017	111.91	34,814	3,896,033.30	581,978.55
5	11/6/2017	12/5/2017	98.46	32,897	3,239,142.65	483,854.06
6	11/7/2017	12/6/2017	107.25	32,062	3,438,589.28	513,646.84
7	11/8/2017	12/9/2017	120.11	28,161	3,382,268.75	505,233.84
8	11/9/2017	12/10/2017	135.24	33,099	4,476,282.14	668,654.49
9	11/12/2017	12/11/2017	156.24	33,089	5,169,844.77	772,256.94
10	11/14/2017	12/13/2017	162.43	38,161	6,198,324.10	925,888.30
11	11/15/2017	12/16/2017	216.82	32,204	6,982,429.80	1,043,015.81
12	11/16/2017	12/17/2017	230.21	33,323	7,671,260.40	1,145,911.40
13	11/19/2017	12/18/2017	301.45	27,460	8,277,708.05	1,236,500.85
14	11/20/2017	12/19/2017	327.76	37,048	12,142,888.98	1,813,870.76
15	11/21/2017	12/20/2017	316.90	39,122	12,397,492.13	1,851,902.66

	WNA: Sum of 18 Bill Cycles in Column M for a Calander Month	WRVR: Monthly Weighted Rate	Monthly WNA: WNA * WRVR
OCT	4731444.13	0.21096	\$ 998,145
NOV	-4832073.555	0.23330	\$ (1,127,323)
DEC	15142800.97	0.23330	\$ 3,532,815
JAN	-22023859.04	0.23330	\$ (5,138,166)
FEB	-237710.9261	0.23330	\$ (55,458)
MAR	3287809.515	0.23330	\$ 767,046
APR	-15051137.42	0.23330	\$ (3,511,430)
MAY	-6482435.553	0.21368	\$ (1,385,167)
JUN	3279626.421	0.21106	\$ 692,198
JUL	159335.2568	0.21044	\$ 33,531
AUG	8332.452008	0.21029	\$ 1,752
SEP	199370.1957	0.21054	\$ 41,975
		Total	\$ (5,150,081)
		Staff Rank Method Total WNAR	\$ (5,069,786)
		Spire Rank Method Total WNAR	\$ (5,150,081)
		Difference	\$ 80,295

11/21/2017	21.5	34.2	12.7	16	11/26/2017	12/25/2017	229.17	37,524	8,599,637.53	1,284,589.78
11/22/2017	33.0	25.3	(7.7)	17	11/27/2017	12/26/2017	176.74	34,935	6,174,528.68	922,333.81
11/23/2017	20.0	20.1	0.1	18	11/28/2017	12/27/2017	124.13	37,868	4,700,754.61	702,185.56
11/24/2017	10.5	28.8	18.3	1	11/30/2017	12/31/2017	(21.91)	25,798	(565,211.67)	(84,429.74)
11/25/2017	15.5	27.5	12.0	2	12/3/2017	1/1/2018	(85.91)	34,520	(2,965,702.05)	(443,008.27)
11/26/2017	17.0	26.3	9.3	3	12/4/2017	1/2/2018	(132.69)	31,358	(4,160,986.09)	(621,556.45)
11/27/2017	7.5	24.3	16.8	4	12/5/2017	1/3/2018	(167.90)	35,323	(5,930,766.54)	(885,921.30)
11/28/2017	2.0	21.2	19.2	5	12/6/2017	1/7/2018	(242.64)	33,163	(8,046,553.23)	(1,201,971.59)
11/29/2017	13.5	16.8	3.3	6	12/7/2017	1/8/2018	(262.30)	32,477	(8,518,877.89)	(1,272,526.13)
11/30/2017	19.0	31.8	12.8	7	12/10/2017	1/9/2018	(259.46)	28,314	(7,346,431.50)	(1,097,389.37)
12/1/2017	21.5	27.5	6.0	8	12/11/2017	1/10/2018	(227.89)	33,442	(7,621,187.96)	(1,138,431.72)
12/2/2017	14.0	26.8	12.8	9	12/12/2017	1/13/2018	(233.03)	33,627	(7,836,186.15)	(1,170,547.55)
12/3/2017	13.5	29.8	16.3	10	12/14/2017	1/15/2018	(293.76)	38,080	(11,186,295.43)	(1,670,977.49)
12/4/2017	6.5	26.2	19.7	11	12/17/2017	1/16/2018	(363.17)	32,476	(11,794,343.49)	(1,761,806.01)
12/5/2017	25.0	25.5	0.5	12	12/18/2017	1/17/2018	(383.66)	33,478	(12,844,068.88)	(1,918,611.05)
12/6/2017	23.5	29.0	5.5	13	12/19/2017	1/20/2018	(349.98)	27,811	(9,733,268.20)	(1,453,928.35)
12/7/2017	37.5	31.8	(5.7)	14	12/20/2017	1/22/2018	(322.31)	37,290	(12,018,811.95)	(1,795,336.48)
12/8/2017	36.0	38.4	2.4	15	12/21/2017	1/23/2018	(326.85)	39,483	(12,905,297.71)	(1,927,757.24)
12/9/2017	35.5	39.8	4.3	16	12/26/2017	1/24/2018	(278.01)	37,496	(10,424,373.40)	(1,557,163.71)
12/10/2017	28.0	32.8	4.8	17	12/27/2017	1/27/2018	(205.23)	34,976	(7,178,001.57)	(1,072,229.78)
12/11/2017	21.5	18.2	(3.3)	18	12/28/2017	1/28/2018	(169.15)	37,608	(6,361,525.33)	(950,266.84)
12/12/2017	31.0	30.7	(0.3)	1	1/1/2018	1/30/2018	(79.23)	26,264	(2,080,894.20)	(310,838.15)
12/13/2017	22.5	34.6	12.1	2	1/2/2018	1/31/2018	(58.45)	34,881	(2,038,895.79)	(304,564.54)
12/14/2017	31.5	41.6	10.1	3	1/3/2018	2/3/2018	(69.56)	31,437	(2,186,802.66)	(326,658.46)
12/15/2017	28.5	44.9	16.4	4	1/4/2018	2/4/2018	(58.73)	35,496	(2,084,583.48)	(311,389.24)
12/16/2017	16.0	36.8	20.8	5	1/8/2018	2/5/2018	2.23	33,201	73,943.68	11,045.50
12/17/2017	16.5	35.7	19.2	6	1/9/2018	2/6/2018	(2.55)	32,455	(82,893.13)	(12,382.34)
12/18/2017	17.0	56.3	39.3	7	1/10/2018	2/7/2018	(24.66)	28,817	(710,620.65)	(106,150.52)
12/19/2017	21.0	49.0	28.0	8	1/11/2018	2/10/2018	(25.99)	33,619	(873,646.95)	(130,502.93)
12/20/2017	22.5	33.7	11.2	9	1/14/2018	2/11/2018	(21.93)	33,771	(740,522.96)	(110,617.25)
12/21/2017	21.0	28.1	7.1	10	1/16/2018	2/13/2018	54.68	38,084	2,082,527.27	311,082.09
12/22/2017	21.0	22.9	1.9	11	1/17/2018	2/14/2018	104.69	32,626	3,415,749.24	510,235.06
12/23/2017	32.5	24.9	(7.6)	12	1/18/2018	2/17/2018	136.89	33,768	4,622,551.90	690,503.86
12/24/2017	40.0	16.5	(23.5)	13	1/21/2018	2/18/2018	59.22	28,324	1,677,263.37	250,544.91
12/25/2017	42.0	11.9	(30.1)	14	1/23/2018	2/19/2018	8.82	37,482	330,475.87	49,365.56
12/26/2017	49.0	5.8	(43.2)	15	1/24/2018	2/20/2018	(6.60)	39,459	(260,243.96)	(38,874.51)
12/27/2017	58.0	22.2	(35.8)	16	1/25/2018	2/21/2018	(19.76)	37,738	(745,521.89)	(111,363.97)
12/28/2017	50.0	20.9	(29.1)	17	1/28/2018	2/24/2018	(31.51)	34,981	(1,102,202.16)	(164,643.87)
12/29/2017	44.5	14.4	(30.1)	18	1/29/2018	2/25/2018	(23.31)	38,055	(887,030.28)	(132,502.10)
12/30/2017	50.0	23.9	(26.1)	1	1/31/2018	2/27/2018	36.11	26,087	942,130.58	140,732.83
12/31/2017	58.0	19.6	(38.4)	2	2/1/2018	2/28/2018	51.21	34,987	1,791,616.19	267,626.61
1/1/2018	63.5	31.1	(32.4)	3	2/4/2018	3/2/2018	126.30	31,551	3,984,876.33	595,249.67
1/2/2018	56.0	25.5	(30.5)	4	2/5/2018	3/3/2018	140.74	35,493	4,995,280.66	746,181.04
1/3/2018	47.5	32.0	(15.5)	5	2/6/2018	3/5/2018	177.79	33,713	5,993,745.22	895,328.88
1/4/2018	54.5	35.8	(18.7)	6	2/7/2018	3/6/2018	196.81	32,511	6,398,415.93	955,777.46
1/5/2018	51.0	33.9	(17.1)	7	2/8/2018	3/9/2018	134.62	28,404	3,823,620.94	571,161.79
1/6/2018	52.5	29.3	(23.2)	8	2/11/2018	3/10/2018	99.05	33,488	3,316,931.67	495,473.96
1/7/2018	36.0	20.8	(15.2)	9	2/12/2018	3/11/2018	98.32	33,757	3,318,913.77	495,770.05
1/8/2018	31.0	16.9	(14.1)	10	2/14/2018	3/13/2018	45.28	38,324	1,735,471.33	259,239.85
1/9/2018	31.0	34.7	3.7	11	2/15/2018	3/16/2018	(14.98)	32,741	(490,352.33)	(73,247.46)
1/10/2018	16.5	52.9	36.4	12	2/18/2018	3/17/2018	(51.20)	33,576	(1,719,217.02)	(256,811.82)
1/11/2018	24.0	40.1	16.1	13	2/19/2018	3/18/2018	(47.48)	28,129	(1,335,668.23)	(199,518.38)
1/12/2018	49.5	39.0	(10.5)	14	2/20/2018	3/20/2018	(38.52)	37,737	(1,453,684.97)	(217,147.39)
1/13/2018	47.0	32.9	(14.1)	15	2/21/2018	3/23/2018	(59.98)	39,492	(2,368,792.99)	(353,843.66)
1/14/2018	44.5	19.1	(25.4)	16	2/22/2018	3/24/2018	(49.64)	37,488	(1,860,749.24)	(277,953.51)

1/15/2018	48.0	24.5	(23.5)	17	2/25/2018	3/25/2018	(63.74)	35,007	(2,231,385.48)	(333,318.11)
1/16/2018	60.0	37.8	(22.2)	18	2/26/2018	3/26/2018	(74.03)	38,241	(2,831,036.25)	(422,892.27)
1/17/2018	51.0	49.7	(1.3)	1	2/28/2018	3/31/2018	(103.71)	25,926	(2,688,829.30)	(401,649.79)
1/18/2018	32.5	58.3	25.8	2	3/1/2018	4/1/2018	(123.02)	34,552	(4,250,542.24)	(634,934.10)
1/19/2018	24.0	46.5	22.5	3	3/4/2018	4/2/2018	(180.50)	31,723	(5,726,096.43)	(855,348.25)
1/20/2018	20.0	44.6	24.6	4	3/5/2018	4/3/2018	(200.24)	35,350	(7,078,533.95)	(1,057,371.58)
1/21/2018	12.5	42.8	30.3	5	3/7/2018	4/4/2018	(223.05)	33,094	(7,381,520.21)	(1,102,630.82)
1/22/2018	16.0	41.4	25.4	6	3/8/2018	4/7/2018	(220.90)	32,317	(7,138,791.73)	(1,066,372.72)
1/23/2018	30.0	36.7	6.7	7	3/11/2018	4/9/2018	(173.95)	28,734	(4,998,276.27)	(746,628.51)
1/24/2018	31.0	27.6	(3.4)	8	3/12/2018	4/10/2018	(178.29)	33,389	(5,952,861.93)	(889,221.85)
1/25/2018	18.5	23.5	5.0	9	3/13/2018	4/11/2018	(155.54)	33,503	(5,211,192.57)	(778,433.35)
1/26/2018	13.0	30.2	17.2	10	3/15/2018	4/14/2018	(97.45)	37,787	(3,682,290.71)	(550,050.28)
1/27/2018	21.0	28.4	7.4	11	3/18/2018	4/15/2018	(100.36)	32,619	(3,273,767.34)	(489,026.20)
1/28/2018	22.0	22.3	0.3	12	3/19/2018	4/16/2018	(119.61)	33,609	(4,019,945.14)	(600,488.15)
1/29/2018	37.0	26.6	(10.4)	13	3/20/2018	4/18/2018	(156.49)	28,033	(4,386,900.89)	(655,302.97)
1/30/2018	37.0	13.7	(23.3)	14	3/22/2018	4/21/2018	(206.06)	37,073	(7,639,158.33)	(1,141,116.08)
1/31/2018	18.5	6.9	(11.6)	15	3/25/2018	4/22/2018	(173.69)	39,469	(6,855,360.95)	(1,024,034.62)
2/1/2018	36.5	22.9	(13.6)	16	3/26/2018	4/23/2018	(180.37)	37,616	(6,784,844.23)	(1,013,501.03)
2/2/2018	44.0	16.5	(27.5)	17	3/27/2018	4/24/2018	(182.55)	34,704	(6,335,156.92)	(946,328.00)
2/3/2018	28.5	28.0	(0.5)	18	3/28/2018	4/25/2018	(196.19)	37,489	(7,355,199.45)	(1,098,699.10)
2/4/2018	40.0	35.3	(4.7)	1	4/1/2018	4/29/2018	(204.12)	26,283	(5,364,962.11)	(801,403.02)
2/5/2018	47.5	34.3	(13.2)	2	4/2/2018	4/30/2018	(191.56)	34,435	(6,596,386.38)	(985,349.73)
2/6/2018	44.0	25.1	(18.9)	3	4/3/2018	5/1/2018	(176.04)	31,181	(5,489,012.80)	(819,933.36)
2/7/2018	40.0	21.6	(18.4)	4	4/4/2018	5/2/2018	(166.66)	35,141	(5,856,520.65)	(874,830.66)
2/8/2018	31.5	36.7	5.2	5	4/5/2018	5/6/2018	(136.39)	32,831	(4,477,756.41)	(668,874.71)
2/9/2018	22.5	44.4	21.9	6	4/8/2018	5/7/2018	(109.42)	31,670	(3,465,271.89)	(517,632.61)
2/10/2018	40.0	48.0	8.0	7	4/10/2018	5/8/2018	(104.39)	29,143	(3,042,189.21)	(454,433.71)
2/11/2018	42.5	38.1	(4.4)	8	4/11/2018	5/9/2018	(94.97)	33,193	(3,152,207.63)	(470,867.95)
2/12/2018	38.5	41.8	3.3	9	4/12/2018	5/12/2018	(106.04)	33,234	(3,524,193.08)	(526,434.09)
2/13/2018	31.0	55.4	24.4	10	4/15/2018	5/14/2018	(123.52)	37,835	(4,673,247.51)	(698,076.63)
2/14/2018	12.0	39.9	27.9	11	4/16/2018	5/15/2018	(91.51)	32,413	(2,966,216.59)	(443,085.13)
2/15/2018	1.0	32.2	31.2	12	4/17/2018	5/16/2018	(61.60)	33,462	(2,061,300.75)	(307,911.33)
2/16/2018	26.0	31.1	5.1	13	4/19/2018	5/19/2018	(9.14)	27,840	(254,458.37)	(38,010.28)
2/17/2018	29.5	24.1	(5.4)	14	4/22/2018	5/21/2018	31.26	37,124	1,160,365.81	173,332.20
2/18/2018	25.0	20.3	(4.7)	15	4/23/2018	5/22/2018	36.60	39,104	1,431,174.89	213,784.90
2/19/2018	5.5	10.8	5.3	16	4/24/2018	5/23/2018	39.53	37,327	1,475,714.61	220,438.12
2/20/2018	14.0	5.3	(8.7)	17	4/25/2018	5/27/2018	43.53	34,541	1,503,761.47	224,627.68
2/21/2018	34.5	17.9	(16.6)	18	4/26/2018	5/28/2018	52.03	37,596	1,956,287.63	292,224.77
2/22/2018	26.5	26.1	(0.4)	1	4/30/2018	5/30/2018	69.07	25,799	1,781,857.71	266,168.92
2/23/2018	20.0	27.2	7.2	2	5/1/2018	6/2/2018	72.33	34,300	2,480,761.06	370,569.14
2/24/2018	18.0	29.0	11.0	3	5/2/2018	6/3/2018	71.00	30,944	2,196,888.40	328,165.04
2/25/2018	21.5	30.0	8.5	4	5/3/2018	6/4/2018	63.05	35,022	2,208,079.92	329,836.80
2/26/2018	18.0	33.0	15.0	5	5/7/2018	6/5/2018	49.97	33,183	1,658,249.70	247,704.70
2/27/2018	8.5	19.2	10.7	6	5/8/2018	6/6/2018	49.97	31,833	1,590,801.06	237,629.41
2/28/2018	10.5	14.0	3.5	7	5/9/2018	6/10/2018	55.16	27,913	1,539,716.30	229,998.51
3/1/2018	18.0	31.4	13.4	8	5/10/2018	6/11/2018	55.16	33,059	1,823,608.40	272,405.52
3/2/2018	23.0	43.1	20.1	9	5/13/2018	6/12/2018	55.16	33,236	1,833,363.23	273,862.67
3/3/2018	20.0	29.8	9.8	10	5/15/2018	6/13/2018	43.80	37,969	1,663,123.92	248,432.79
3/4/2018	18.0	36.3	18.3	11	5/16/2018	6/16/2018	36.84	31,837	1,172,990.85	175,218.09
3/5/2018	23.0	28.5	5.5	12	5/17/2018	6/17/2018	27.15	33,245	902,618.05	134,830.56
3/6/2018	25.0	25.1	0.1	13	5/20/2018	6/19/2018	5.19	27,360	141,966.34	21,206.53
3/7/2018	30.0	0.9	(29.1)	14	5/22/2018	6/20/2018	5.19	37,170	192,871.73	28,810.64
3/8/2018	30.0	-	(30.0)	15	5/23/2018	6/23/2018	5.19	39,073	202,745.09	30,285.49
3/9/2018	27.0	5.5	(21.5)	16	5/24/2018	6/24/2018	5.19	37,261	193,341.42	28,880.80
3/10/2018	21.5	21.0	(0.5)	17	5/28/2018	6/25/2018	5.19	34,399	178,494.20	26,662.96

3/11/2018	27.0	21.9	(5.1)	18	5/29/2018	6/26/2018	5.19	37,360	193,857.30	28,957.86
3/12/2018	26.5	14.8	(11.7)	1	5/31/2018	6/30/2018	5.19	25,341	131,490.13	19,641.63
3/13/2018	26.5	12.8	(13.7)	2	6/3/2018	7/1/2018	5.19	34,061	176,739.89	26,400.91
3/14/2018	24.5	8.9	(15.6)	3	6/4/2018	7/3/2018	5.35	30,515	163,337.83	24,398.95
3/15/2018	10.0	-	(10.0)	4	6/5/2018	7/4/2018	5.35	34,533	184,845.53	27,611.71
3/16/2018	20.5	13.7	(6.8)	5	6/6/2018	7/7/2018	5.35	32,362	173,225.88	25,876.00
3/17/2018	21.0	15.7	(5.3)	6	6/7/2018	7/8/2018	5.35	31,813	170,286.33	25,436.90
3/18/2018	24.5	23.5	(1.0)	7	6/11/2018	7/10/2018	0.16	27,846	4,561.60	681.40
3/19/2018	21.0	27.4	6.4	8	6/12/2018	7/11/2018	0.16	32,726	5,361.08	800.82
3/20/2018	25.5	33.4	7.9	9	6/13/2018	7/14/2018	0.16	32,937	5,395.60	805.98
3/21/2018	23.0	24.3	1.3	10	6/14/2018	7/15/2018	0.16	37,448	6,134.66	916.38
3/22/2018	24.0	7.4	(16.6)	11	6/17/2018	7/16/2018	0.16	31,677	5,189.17	775.14
3/23/2018	18.0	3.1	(14.9)	12	6/18/2018	7/17/2018	0.16	32,951	5,398.01	806.34
3/24/2018	26.0	19.8	(6.2)	13	6/20/2018	7/21/2018	0.16	27,501	4,505.10	672.96
3/25/2018	22.5	26.2	3.7	14	6/21/2018	7/22/2018	0.16	36,875	6,040.68	902.34
3/26/2018	18.5	16.7	(1.8)	15	6/24/2018	7/23/2018	0.16	38,940	6,379.09	952.89
3/27/2018	13.5	18.6	5.1	16	6/25/2018	7/24/2018	0.16	37,110	6,079.25	908.10
3/28/2018	19.0	22.6	3.6	17	6/26/2018	7/25/2018	0.16	34,244	5,609.73	837.97
3/29/2018	18.0	17.8	(0.2)	18	6/27/2018	7/28/2018	0.16	37,141	6,084.28	908.85
3/30/2018	17.0	11.7	(5.3)	1	7/1/2018	7/30/2018	0.16	25,291	4,143.08	618.88
3/31/2018	17.5	10.3	(7.2)	2	7/2/2018	7/31/2018	0.16	33,603	5,504.72	822.28
4/1/2018	32.0	16.2	(15.8)	3	7/4/2018	8/1/2018	-	30,553	-	-
4/2/2018	31.5	17.3	(14.2)	4	7/5/2018	8/4/2018	-	34,404	-	-
4/3/2018	10.5	9.1	(1.4)	5	7/8/2018	8/6/2018	-	32,798	-	-
4/4/2018	29.5	12.3	(17.2)	6	7/9/2018	8/7/2018	-	31,537	-	-
4/5/2018	19.0	23.3	4.3	7	7/11/2018	8/8/2018	-	27,562	-	-
4/6/2018	25.0	10.6	(14.4)	8	7/12/2018	8/11/2018	-	32,363	-	-
4/7/2018	31.0	14.0	(17.0)	9	7/15/2018	8/12/2018	-	32,755	-	-
4/8/2018	29.0	20.6	(8.4)	10	7/16/2018	8/14/2018	-	37,832	-	-
4/9/2018	24.0	27.4	3.4	11	7/17/2018	8/15/2018	-	31,699	-	-
4/10/2018	21.0	11.6	(9.4)	12	7/18/2018	8/18/2018	-	32,821	-	-
4/11/2018	4.0	15.1	11.1	13	7/22/2018	8/19/2018	-	26,962	-	-
4/12/2018	-	18.6	18.6	14	7/23/2018	8/21/2018	-	37,042	-	-
4/13/2018	-	13.0	13.0	15	7/24/2018	8/22/2018	-	38,687	-	-
4/14/2018	12.5	9.8	(2.7)	16	7/25/2018	8/25/2018	0.42	36,762	15,607.93	2,331.47
4/15/2018	27.5	2.5	(25.0)	17	7/26/2018	8/26/2018	0.42	34,072	14,465.80	2,160.86
4/16/2018	26.0	5.8	(20.2)	18	7/29/2018	8/27/2018	0.42	37,826	16,059.76	2,398.96
4/17/2018	19.5	-	(19.5)	1	7/31/2018	9/2/2018	0.44	25,057	11,084.07	1,655.71
4/18/2018	11.0	-	(11.0)	2	8/1/2018	9/3/2018	0.44	33,764	14,935.55	2,231.03
4/19/2018	19.5	-	(19.5)	3	8/2/2018	9/4/2018	0.44	30,744	13,599.69	2,031.48
4/20/2018	15.5	4.8	(10.7)	4	8/5/2018	9/5/2018	0.44	34,288	15,167.27	2,265.64
4/21/2018	11.5	1.3	(10.2)	5	8/7/2018	9/8/2018	0.44	32,434	14,347.15	2,143.14
4/22/2018	9.0	3.7	(5.3)	6	8/8/2018	9/9/2018	0.44	31,981	14,146.85	2,113.22
4/23/2018	10.5	7.6	(2.9)	7	8/9/2018	9/10/2018	1.10	27,684	30,440.56	4,547.13
4/24/2018	4.0	-	(4.0)	8	8/12/2018	9/11/2018	3.51	32,359	113,601.00	16,969.40
4/25/2018	8.5	-	(8.5)	9	8/13/2018	9/12/2018	3.51	32,604	114,462.91	17,098.15
4/26/2018	4.0	-	(4.0)	10	8/15/2018	9/16/2018	3.51	37,274	130,856.46	19,546.97
4/27/2018	4.0	-	(4.0)	11	8/16/2018	9/17/2018	3.51	31,858	111,842.75	16,706.76
4/28/2018	11.5	6.6	(4.9)	12	8/19/2018	9/18/2018	3.51	32,766	115,032.52	17,183.24
4/29/2018	12.5	8.4	(4.1)	13	8/20/2018	9/19/2018	3.51	27,716	97,302.07	14,534.71
4/30/2018	3.5	0.2	(3.3)	14	8/22/2018	9/22/2018	3.01	36,681	110,433.28	16,496.21
5/1/2018	-	1.3	1.3	15	8/23/2018	9/23/2018	3.01	38,916	117,162.67	17,501.43
5/2/2018	-	7.9	7.9	16	8/26/2018	9/24/2018	2.59	36,846	95,287.90	14,233.84
5/3/2018	-	4.7	4.7	17	8/27/2018	9/25/2018	2.59	34,108	88,207.18	13,176.14
5/4/2018	-	2.1	2.1	18	8/28/2018	9/26/2018	3.42	37,084	126,766.33	18,936.00

5/5/2018	0	5.8	5.82
5/6/2018	0	0.5	0.47
5/7/2018	0	-	-
5/8/2018	0	-	-
5/9/2018	0	-	-
5/10/2018	0	-	-
5/11/2018	0	-	-
5/12/2018	0	-	-
5/13/2018	0	-	-
5/14/2018	0	11.4	11.36
5/15/2018	0	7.0	6.96
5/16/2018	0	9.7	9.69
5/17/2018	0	15.1	15.11
5/18/2018	0	3.9	3.85
5/19/2018	0	3.0	3.00
5/20/2018	0	-	-
5/21/2018	0	-	-
5/22/2018	0	-	-
5/23/2018	0	-	-
5/24/2018	0	-	-
5/25/2018	0	-	-
5/26/2018	0	-	-
5/27/2018	0	-	-
5/28/2018	0	-	-
5/29/2018	0	-	-
5/30/2018	0	-	-
5/31/2018	0	-	-
6/1/2018	0	-	-
6/2/2018	0	-	-
6/3/2018	0	-	-
6/4/2018	0	-	-
6/5/2018	0	-	-
6/6/2018	0	-	-
6/7/2018	0	4.5	4.50
6/8/2018	0	0.7	0.69
6/9/2018	0	-	-
6/10/2018	0	-	-
6/11/2018	0	-	-
6/12/2018	0	-	-
6/13/2018	0	-	-
6/14/2018	0	-	-
6/15/2018	0	-	-
6/16/2018	0	-	-
6/17/2018	0	-	-
6/18/2018	0	-	-
6/19/2018	0	-	-
6/20/2018	0	-	-
6/21/2018	0	-	-
6/22/2018	0	-	-
6/23/2018	0	-	-
6/24/2018	0	-	-
6/25/2018	0	-	-
6/26/2018	0	-	-
6/27/2018	0	-	-
6/28/2018	0	-	-

6/29/2018	0	-	-
6/30/2018	0	-	-
7/1/2018	0	-	-
7/2/2018	0	0.2	0.16
7/3/2018	0	-	-
7/4/2018	0	-	-
7/5/2018	0	-	-
7/6/2018	0	-	-
7/7/2018	0	-	-
7/8/2018	0	-	-
7/9/2018	0	-	-
7/10/2018	0	-	-
7/11/2018	0	-	-
7/12/2018	0	-	-
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7/16/2018	0	-	-
7/17/2018	0	-	-
7/18/2018	0	-	-
7/19/2018	0	-	-
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7/21/2018	0	-	-
7/22/2018	0	-	-
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8/17/2018	0	-	-
8/18/2018	0	-	-
8/19/2018	0	-	-
8/20/2018	0	-	-
8/21/2018	0	-	-
8/22/2018	0	-	-

8/23/2018	0	0.4	0.42
8/24/2018	0	-	-
8/25/2018	0	-	-
8/26/2018	0	-	-
8/27/2018	0	-	-
8/28/2018	0	-	-
8/29/2018	0	-	-
8/30/2018	0	-	-
8/31/2018	0	-	-
9/1/2018	0	-	-
9/2/2018	0	0.0	0.02
9/3/2018	0	-	-
9/4/2018	0	-	-
9/5/2018	0	-	-
9/6/2018	0	-	-
9/7/2018	0	-	-
9/8/2018	0	-	-
9/9/2018	0	-	-
9/10/2018	0	0.7	0.66
9/11/2018	0	2.4	2.41
9/12/2018	0	-	-
9/13/2018	0	-	-
9/14/2018	0	-	-
9/15/2018	0	-	-
9/16/2018	0	-	-
9/17/2018	0	-	-
9/18/2018	0	-	-
9/19/2018	0	-	-
9/20/2018	0	-	-
9/21/2018	0	-	-
9/22/2018	0.5	-	(0.50)
9/23/2018	0	-	-
9/24/2018	0	-	-
9/25/2018	0	-	-
9/26/2018	3	3.8	0.83
9/27/2018	2	1.4	(0.64)
9/28/2018	0	7.6	7.62
9/29/2018	2.5	11.6	9.07
9/30/2018	0	5.7	5.68
		4,430.6	