

PRESS RELEASE

Report on the purchase of treasury shares

Buzzi Unicem SpA announces that during the period from October 22, 2018 through October 26, 2018 it acquired no. 593,000 ordinary treasury shares for a total consideration of 9,483,199.10 Euro, as authorized by the Ordinary General Meeting on May 10, 2018.

Details of the daily transactions on the *Mercato Telematico Azionario* are as follows:

Date	Number of ordinary shares purchased	Average price (Euro)	Consideration (Euro)
10/22/2018	270,000	16.1765	4,367,655.00
10/24/2018	150,000	15.8887	2,383,305.00
10/25/2018	73,000	15.8867	1,159,729.10
10/26/2018	100,000	15.7251	1,572,510.00
Total	593,000	15.9919	9,483,199.10

Attached to this press release is a daily recap of the purchase transactions carried out during the reference period.

Following the above purchases, the Company holds no. 3,678,000 ordinary shares and no. 29,290 saving shares as of October 26, 2018, equal to 1.80% of the issued share capital.

Casale Monferrato, October 29, 2018

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Date	Time	Quantity	Price	Amount
10/22/2018	09.01.58	200	16.1250	3,225.00
10/22/2018	09.06.52	200	16.1800	3,236.00
10/22/2018	09.09.26	200	16.1900	3,238.00
10/22/2018	09.10.01	1,000	16.1900	16,190.00
10/22/2018	09.10.35	1,200	16.1600	19,392.00
10/22/2018	09.11.37	55	16.1400	887.70
10/22/2018	09.12.32	230	16.1200	3,707.60
10/22/2018	09.12.32	265	16.1200	4,271.80
10/22/2018	09.12.32	600	16.1200	9,672.00
10/22/2018	09.12.32	1,405	16.1200	22,648.60
10/22/2018	09.12.36	1,200	16.1100	19,332.00
10/22/2018	09.25.31	76	16.1150	1,224.74
10/22/2018	09.25.31	563	16.1150	9,072.75
10/22/2018	09.25.31	1,861	16.1150	29,990.02
10/22/2018	09.25.55	125	16.1000	2,012.50
10/22/2018	09.25.56	1,235	16.1000	19,883.50
10/22/2018	09.25.56	500	16.0950	8,047.50
10/22/2018	09.25.56	5	16.1000	80.50
10/22/2018	09.25.56	1,235	16.1000	19,883,50
10/22/2018	09.25.57	452	16.0900	7,272,68
10/22/2018	09.25.57	1,005	16.0900	16,170,45
10/22/2018	09.25.57	1,143	16.0900	18,390,87
10/22/2018	09.27.59	82	16.0800	1,318,56
10/22/2018	09.27.59	300	16.0800	4,824,00
10/22/2018	09.27.59	818	16.0800	13,153,44
10/22/2018	09.46.11	2,388	16.1200	38,494,56
10/22/2018	09.46.11	212	16.1200	3,417,44
10/22/2018	09.56.10	1,200	16.1300	19.356,00
10/22/2018	10.18.28	550	16.2000	8,910,00
10/22/2018	10.18.28	650	16.2000	10,530,00
10/22/2018	10.27.07	1,200	16.1300	19,356,00
10/22/2018	10.32.30	728	16.1700	11,771,76
10/22/2018	10.32.30	1,400	16.1700	22,638,00
10/22/2018	10.32.33	2,872	16.1700	46,440,24
10/22/2018	10.32.42	17	16.1600	274,72
10/22/2018	10.33.38	2,748	16.1700	44,435,16
10/22/2018	10.33.39	2,252	16.1700	36,414,84
10/22/2018	10.33.50	17	16.1600	274,72
10/22/2018	10.33.50	4,276	16.1600	69,100,16
10/22/2018	10.33.50	673	16.1600	10,875,68
10/22/2018	10.33.50	17	16.1600	274,72
10/22/2018	10.34.20	5,000	16.1550	80,775,00
10/22/2018	10.42.44	1,948	16.1900	31,538,12
10/22/2018	10.42.44	477	16.1900	7,722,63
10/22/2018	10.42.44	1,274	16.1900	20.626,06
10/22/2018	10,42,44	800	16.1900	12.952,00

Date	Time	Quantity	Price	Amount
10/22/2018	10.45.16	501	16.1900	8,111.19
10/22/2018	10.47.09	5,000	16.1900	80,950.00
10/22/2018	10.47.26	5,000	16.1850	80,925.00
10/22/2018	10.55.27	3,908	16.1850	63,250.98
10/22/2018	10.55.27	298	16.1850	4,823.13
10/22/2018	10.55.27	794	16.1850	12,850.89
10/22/2018	10.56.41	2,159	16.1700	34,911.03
10/22/2018	10.56.41	521	16.1700	8,424.57
10/22/2018	10.56.41	1,320	16.1700	21,344.40
10/22/2018	10.56.41	1,000	16.1700	16,170.00
10/22/2018	10.59.10	5,000	16.1650	80,825.00
10/22/2018	10.59.32	135	16.1550	2,180.93
10/22/2018	11.10.29	1,000	16.1500	16,150.00
10/22/2018	11.10.29	676	16.1500	10,917.40
10/22/2018	11.10.39	1,069	16.1500	17,264.35
10/22/2018	11.10.39	814	16.1500	13,146.10
10/22/2018	11.10.39	728	16.1500	11,757.20
10/22/2018	11.10.39	578	16.1500	9,334.70
10/22/2018	11.18.14	413	16.1850	6,684.41
10/22/2018	11.18.14	549	16.1850	8,885.57
10/22/2018	11.18.14	500	16.1850	8,092.50
10/22/2018	11.34.57	2,331	16.2400	37,855.44
10/22/2018	11.36.00	2,669	16.2400	43,344.56
10/22/2018	11.44.27	354	16.2250	5,743.65
10/22/2018	11.44.27	500	16.2250	8,112.50
10/22/2018	11.44.27	24	16.2250	389.40
10/22/2018	11.44.27	644	16.2250	10,448.90
10/22/2018	11.44.27	1,132	16.2250	18,366.70
10/22/2018	11.44.27	1,498	16.2250	24,305.05
10/22/2018	11.44.27	848	16.2250	13,758.80
10/22/2018	11.47.41	262	16.2300	4,252.26
10/22/2018	11.47.41	399	16.2300	6,475.77
10/22/2018	11.47.41	2,751	16.2300	44,648.73
10/22/2018	11.47.41	1,563	16.2300	25,367.49
10/22/2018	11.47.41	25	16.2300	405.75
10/22/2018	11.49.53	406	16.2050	6,579.23
10/22/2018	11.49.53	521	16.2050	8,442.81
10/22/2018	11.49.53	1,106	16.2050	17,922.73
10/22/2018	11.49.53	1,523	16.2050	24,680.22
10/22/2018	11.49.55	615	16.2050	9,966.08
10/22/2018	11.49.56	198	16.2050	3,208.59
10/22/2018	11.49.56	631	16.2050	10,225.36
10/22/2018	11.50.40	1,529	16.1850	24,746.87
10/22/2018	11.50.40	5,000	16.1900	80,950.00
10/22/2018	11.50.42	1,470	16.1850	23,791.95
10/22/2018	11.50.44	539	16.1850	8,723.72

Date	Time	Quantity	Price	Amount
10/22/2018	11.51.08	3,961	16.1800	64,088.98
10/22/2018	11.51.08	626	16.1800	10,128.68
10/22/2018	11.51.08	413	16.1800	6,682.34
10/22/2018	11.51.12	692	16.1700	11,189.64
10/22/2018	11.51.34	389	16.1700	6,290.13
10/22/2018	11.51.34	728	16.1700	11,771.76
10/22/2018	11.51.37	360	16.1700	5,821.20
10/22/2018	11.51.39	2,343	16.1700	37,886.31
10/22/2018	11.51.39	488	16.1700	7,890.96
10/22/2018	11.57.20	266	16.1900	4,306.54
10/22/2018	11.57.20	500	16.1900	8,095.00
10/22/2018	11.57.59	2,479	16.1900	40,135.01
10/22/2018	12.05.41	2,174	16.1800	35,175.32
10/22/2018	12.05.41	426	16.1800	6,892.68
10/22/2018	12.08.16	2,147	16.1700	34,716.99
10/22/2018	12.08.16	370	16.1700	5,982.90
10/22/2018	12.08.16	728	16.1700	11,771.76
10/22/2018	12.09.05	1,234	16.1550	19,935.27
10/22/2018	12.09.05	877	16.1550	14,167.94
10/22/2018	12.09.05	143	16.1550	2,310.17
10/22/2018	12.09.05	4,245	16.1600	68,599.20
10/22/2018	12.09.05	540	16.1600	8,726.40
10/22/2018	12.26.13	45	16.1800	728.10
10/22/2018	12.33.15	921	16.2000	14,920.20
10/22/2018	12.33.15	279	16.2000	4,519.80
10/22/2018	12.43.11	4,708	16.1900	76,222.52
10/22/2018	12.43.11	292	16.1900	4,727.48
10/22/2018	13.01.51	2,033	16.2350	33,005.76
10/22/2018	13.01.51	2,967	16.2350	48,169.25
10/22/2018	13.01.52	5,000	16.2250	81,125.00
10/22/2018	13.24.32	332	16.2400	5,391.68
10/22/2018	13.24.56	969	16.2400	15,736.56
10/22/2018	13.24.56	300	16.2400	4,872.00
10/22/2018	13.24.56	402	16.2400	6,528.48
10/22/2018	13.24.56	300	16.2400	4,872.00
10/22/2018	13.24.56	730	16.2400	11,855.20
10/22/2018	13.37.19	1,691	16.2800	27,529.48
10/22/2018	13.37.19	563	16.2800	9,165.64
10/22/2018	13.40.38	87	16.2750	1,415.93
10/22/2018	13.40.38	2,250	16.2750	36,618.75
10/22/2018	13.40.38	2,236	16.2750	36,390.90
10/22/2018	13.40.38	300	16.2750	4,882.50
10/22/2018	13.40.38	127	16.2750	2,066.93
10/22/2018	13.40.41	450	16.2650	7,319.25
10/22/2018	13.54.32	5,000	16.3200	81,600.00
10/22/2018	13.56.48	5,000	16.3100	81,550.00

Date	Time	Quantity	Price	Amount
10/22/2018	13.57.05	596	16.2950	9,711.82
10/22/2018	13.57.05	561	16.2950	9,141.50
10/22/2018	13.57.05	479	16.2950	7,805.31
10/22/2018	13.57.05	2.421	16.2950	39,450.20
10/22/2018	13.57.48	300	16.2950	4,888.50
10/22/2018	13.57.48	283	16.2950	4,611.49
10/22/2018	13.57.49	360	16.2950	5,866.20
10/22/2018	13.59.57	5,000	16.2850	81,425.00
10/22/2018	14.02.35	155	16.2800	2,523.40
10/22/2018	14.03.17	4,345	16.2800	70,736.60
10/22/2018	14.03.50	2,688	16.2650	43,720.32
10/22/2018	14.03.50	1,362	16.2650	22,152.93
10/22/2018	14.05.21	731	16.2500	11,878.75
10/22/2018	14.05.21	368	16.2500	5,980.00
10/22/2018	14.05.24	1,934	16.2500	31,427.50
10/22/2018	14.21.13	1,000	16.2600	16,260.00
10/22/2018	14.21.13	500	16.2600	8,130.00
10/22/2018	14.39.27	3,852	16.2800	62,710.56
10/22/2018	14.39.27	400	16.2800	6,512.00
10/22/2018	14.39.27	349	16.2800	5,681.72
10/22/2018	14.39.27	399	16.2800	6,495.72
10/22/2018	14.58.02	399	16.2500	6,483.75
10/22/2018	14.58.02	400	16.2500	6,500.00
10/22/2018	14.58.02	205	16.2500	3,331.25
10/22/2018	14.58.15	849	16.2500	13,796.25
10/22/2018	14.58.29	274	16.2500	4,452.50
10/22/2018	14.58.40	354	16.2500	5,752.50
10/22/2018	14.58.40	552	16.2500	8,970.00
10/22/2018	15.04.25	5,000	16.2200	81,100.00
10/22/2018	15.08.28	1,777	16.1900	28,769.63
10/22/2018	15.08.28	5,528	16.1900	89,498.32
10/22/2018	15.08.28	195	16.1900	3,157.05
10/22/2018	15.13.05	1,159	16.1650	18,735.24
10/22/2018	15.13.05	2,297	16.1650	37,131.01
10/22/2018	15.13.05	134	16.1650	2,166.11
10/22/2018	15.13.05	3,910	16.1650	63,205.15
10/22/2018	15.42.23	480	16.1100	7,732.80
10/22/2018	15.42.23	720	16.1100	11,599.20
10/22/2018	15.56.47	3,212	16.0000	51,392.00
10/22/2018	15.56.47	871	16.0000	13,936.00
10/22/2018	15.56.47	155	16.0000	2,480.00
10/22/2018	15.56.47	685	16.0000	10,960.00
10/22/2018	15.56.47	388	16.0000	6,208.00
10/22/2018	15.56.47	76	16.0000	1,216.00
10/22/2018	15.56.48	902	16.0000	14,432.00
10/22/2018	16.43.32	2,000	16.0850	32,170.00

Date	Time	Quantity	Price	Amount
10/22/2018	16.52.03	500	16.1000	8,050.00
10/22/2018	16.52.03	547	16.1000	8,806.70
10/22/2018	16.52.03	607	16.1000	9,772.70
10/22/2018	16.52.07	346	16.1000	5,570.60
10/22/2018	16.59.03	58	16.0900	933.22
10/22/2018	17,00.01	574	16.0900	9,235.66
10/22/2018	17.00.01	300	16.0900	4,827.00
10/22/2018	17.00.01	278	16.0900	4,473.02
10/22/2018	17.00.24	216	16.0900	3,475.44
10/22/2018	17.00.24	574	16.0900	9,235.66
10/22/2018	17.03.46	19	16.0800	305.52
10/22/2018	17.03.46	888	16.0800	14,279.,04
10/22/2018	17.03.46	494	16.0800	7,943.,52
10/22/2018	17.03.46	300	16.0800	4,824.,00
10/22/2018	17.03.46	299	16.0800	4,807.92
10/22/2018	17.04.10	1,159	16.0750	18,630.93
10/22/2018	17.04.10	744	16.0750	11.959.80
10/22/2018	17.04.10	667	16.0750	10,722.03
10/22/2018	17.04.10	1,930	16.0750	31.024.75
10/22/2018	17.06.29	4,000	16.0750	64.300.00
10/22/2018	17.09.20	2,957	16.0700	47.518.99
10/22/2018	17.09.20	1,043	16.0700	16.761.01
10/22/2018	17.09.44	2,000	16.0600	32.120.00
10/22/2018	17.09.44	42	16.0550	674.31
10/22/2018	17.10.07	2,700	16.0500	43.335.00
10/22/2018	17.10.07	1,218	16.0500	19,548.90
10/22/2018	17.10.07	281	16.0550	4,511.46
10/22/2018	17.10.07	608	16.0550	9,761.44
10/22/2018	17.10.07	515	16.0550	8,268.33
10/22/2018	17.10.07	554	16.0550	8,894.47
10/22/2018	17.10.26	2,000	16.0400	32.080.00
10/22/2018	17.12.38	136	16.0400	2,181.44
10/22/2018	17.12.38	300	16.0400	4,812.00
10/22/2018	17.12.38	253	16.0400	4,058.12
10/22/2018	17.12.38	811	16.0400	13,008.44
10/22/2018	17.12.38	345	16.0400	5,533.80
10/22/2018	17.12.38	33	16.0350	529.16
10/22/2018	17.12.38	333	16.0350	5,339.66
10/22/2018	17.14.56	1,859	16.0400	29.818.36
10/22/2018	17.14.56	700	16.0400	11,228.00
10/22/2018	17.14.56	211	16.0400	3,384.44
10/22/2018	17.14.56	499	16.0400	8,003.96
10/22/2018	17.14.56	683	16.0400	10,955.32
10/22/2018	17.14.56	548	16.0400	8,789.92
10/22/2018	17.17.51	3,330	16.0700	53,513.10
10/22/2018	17.17.51	670	16.0700	10,766.90

Date	Time	Quantity	Price	Amount
10/24/2018	09.02.46	3,077	16.0000	49.232.00
10/24/2018	09.02.46	1,923	16.0000	30.768.00
10/24/2018	09.10.30	362	15.9950	5,790.19
10/24/2018	09.10.30	5	15.9950	79.98
10/24/2018	09.10.30	2,000	16.0000	32,000.00
10/24/2018	09.10.31	2,000	15.9900	31,980.00
10/24/2018	09.10.31	2,633	15.9950	42,114.84
10/24/2018	09.20.05	307	15.9950	4,910.47
10/24/2018	09.20.05	293	15.9950	4,686.54
10/24/2018	09.20.05	600	15.9950	9,597.00
10/24/2018	09.20.05	500	15.9950	7,997.50
10/24/2018	09.20.05	300	15.9950	4,798.50
10/24/2018	09.29.50	844	15.9750	13,482.90
10/24/2018	09.29.50	156	15.9750	2,492.10
10/24/2018	09.29.54	1,106	15.9700	17.662.82
10/24/2018	09.29.57	894	15.9700	14,277.18
10/24/2018	09.30.24	1,000	15.9500	15.950.00
10/24/2018	09.30.24	300	15.9500	4,785.00
10/24/2018	09.30.24	156	15.9500	2,488.20
10/24/2018	09.30.24	145	15.9500	2,312.75
10/24/2018	09.30.24	300	15.9500	4,785.00
10/24/2018	09.30.24	98	15.9500	1,563.10
10/24/2018	09.30.30	1	15.9500	15.95
10/24/2018	09.36.54	3	16.0000	48.00
10/24/2018	09.36.54	600	16.0000	9,600.00
10/24/2018	09.36.54	148	16,0000	2,368.00
10/24/2018	09.36.54	1,249	16.0000	19.984.00
10/24/2018	10.16.34	1,946	15.9850	31.106.81
10/24/2018	10.16.34	54	15.9850	863.19
10/24/2018	10.21.26	600	15.9800	9,588.00
10/24/2018	10.21.26	102	15.9800	1,629.96
10/24/2018	10.21.26	1,449	15.9800	23.155.02
10/24/2018	10.22.45	118	15.9800	1,885.64
10/24/2018	10.22.49	731	15.9800	11.681.38
10/24/2018	10.22.49	731	15.9800	11,681.38
10/24/2018	10.22.49	1,269	15.9800	20.278.62
10/24/2018	10.46.16	668	15.9850	10,677.98
10/24/2018	10.46.22	1,009	15.9850	16,128.87
10/24/2018	10.46.30	128	15.9850	2,046.08
10/24/2018	10.46.32	195	15.9850	3,117.08
10/24/2018	10.46.32	47	15.9800	751.06
10/24/2018	10.47.06	87	15.9800	1,390.26
10/24/2018	10.47.12	164	15.9800	2,620.72
10/24/2018	10.47.15	81	15.9800	1,294.38
10/24/2018	10.47.36	95	15.9800	1,518.10
10/24/2018	10.47.39	46	15.9800	735.08

Date	Time	Quantity	Price	Amount
10/24/2018	10.47.44	1,480	15.9800	23,650.40
10/24/2018	10.47.58	493	15.9500	7,863.35
10/24/2018	11.48.49	677	15.9850	10,821.85
10/24/2018	11.49.46	1,323	15.9850	21,148.16
10/24/2018	11.55.13	562	15.9650	8,972.33
10/24/2018	11.55.13	1,551	15.9700	24,769.47
10/24/2018	11.55.13	1,000	15.9650	15,965.00
10/24/2018	11.55.13	438	15.9650	6,992.67
10/24/2018	11.55.13	449	15.9700	7,170.53
10/24/2018	11.56.07	2,507	15.9500	39,986.65
10/24/2018	12.02.40	128	15.9650	2,043.52
10/24/2018	12.02.40	372	15.9650	5,938.98
10/24/2018	12.02.40	500	15.9650	7,982.50
10/24/2018	12.04.40	303	15.9700	4,838.91
10/24/2018	12.04.40	1,200	15.9700	19,164.00
10/24/2018	12.04.40	497	15.9700	7,937.09
10/24/2018	12.09.16	106	15.9500	1,690.70
10/24/2018	12.09.16	500	15.9500	7,975.00
10/24/2018	12.09.16	500	15.9500	7,975.00
10/24/2018	12.09.16	183	15.9500	2,918.85
10/24/2018	12.09.16	711	15.9500	11,340.45
10/24/2018	12.09.16	35	15.9600	558.60
10/24/2018	12.09.16	486	15.9600	7,756.56
10/24/2018	12.09.16	400	15.9600	6,384.00
10/24/2018	12.09.16	1,008	15.9550	16,082.64
10/24/2018	12.09.16	399	15.9600	6,368.04
10/24/2018	12.09.16	500	15.9550	7,977.50
10/24/2018	12.09.16	80	15.9600	1,276.80
10/24/2018	12.09.16	492	15.9550	7,849.86
10/24/2018	12.09.16	600	15.9600	9,576.00
10/24/2018	12.16.46	571	15.9600	9,113.16
10/24/2018	12.16.46	307	15.9600	4,899.72
10/24/2018	12.16.46	732	15.9600	11,682.72
10/24/2018	12.16.46	390	15.9600	6,224.40
10/24/2018	12.19.20	882	15.9700	14,08.54
10/24/2018	12.19.20	228	15.9700	3,641.16
10/24/2018	12.19.20	890	15.9700	14,213.30
10/24/2018	12.19.27	1,110	15.9700	17,726.70
10/24/2018	12.19.27	890	15.9700	14,213.30
10/24/2018	12.19.43	975	15.9700	15,570.75
10/24/2018	12.19.43	890	15.9700	14,213.30
10/24/2018	12.19.43	135	15.9700	2,155.95
10/24/2018	12.24.14	1,678	15.9750	26,806.05
10/24/2018	12.24.14	226	15.9750	3,610.35
10/24/2018	12.24.14	206	15.9750	3,290.85
10/24/2018	12.24.14	890	15.9750	14,217.75

Date	Time	Quantity	Price	Amount
10/24/2018	12.24.27	2,274	15.9750	36,327.15
10/24/2018	12.24.27	726	15.9750	11,597.85
10/24/2018	12.24.42	350	15.9750	5,591.25
10/24/2018	12.24.42	645	15.9750	10,303.88
10/24/2018	12.32.31	2,005	15.9750	32,029.88
10/24/2018	13.08.36	581	15.9750	9,281.48
10/24/2018	13.08.36	419	15.9750	6,693.53
10/24/2018	13.24.37	384	15.9550	6,126.72
10/24/2018	13.24.37	399	15.9550	6,366.05
10/24/2018	13.24.37	702	15.9550	11,200.41
10/24/2018	13.24.37	249	15.9550	3,972.80
10/24/2018	13.24.37	16	15.9550	255.28
10/24/2018	13.24.37	250	15.9550	3,988.75
10/24/2018	13.24.37	2,887	15.9650	46,090.96
10/24/2018	13.24.37	2,000	15.9600	31,920.00
10/24/2018	13.24.37	113	15.9650	1,804.05
10/24/2018	15.01.09	1,328	15.9700	21,208.16
10/24/2018	15.03.21	1,690	15.9700	26,989.30
10/24/2018	15.07.16	1,982	15.9700	31,652.54
10/24/2018	15.17.50	69	15.9500	1,100.55
10/24/2018	15.17.50	179	15.9500	2,855.05
10/24/2018	15.18.50	2,752	15.9500	43,894.40
10/24/2018	15.27.23	501	15.9400	7,985.94
10/24/2018	15.27.23	1,771	15.9400	28,229.74
10/24/2018	15.27.36	728	15.9400	11,604.32
10/24/2018	15.34.18	1,071	15.9250	17,055.68
10/24/2018	15.34.21	929	15.9250	14,794.33
10/24/2018	15.36.03	2,365	15.9000	37,603.50
10/24/2018	15.36.30	775	15.9000	12,322.50
10/24/2018	15.36.30	1,318	15.9000	20,956.20
10/24/2018	15.36.30	542	15.9000	8,617.80
10/24/2018	15.39.26	1,064	15.9100	16,928.24
10/24/2018	15.39.26	499	15.9100	7,939.09
10/24/2018	15.39.26	199	15.9100	3,166.09
10/24/2018	15.39.26	238	15.9100	3,786.58
10/24/2018	15.55.12	2,991	15.9000	47,556.90
10/24/2018	15.55.12	9	15.9000	143.10
10/24/2018	16.00.30	2,000	15.8800	31,760.00
10/24/2018	16.08.15	200	15.8500	3,170.00
10/24/2018	16.11.06	2,800	15.8500	44,380.00
10/24/2018	16.20.58	54	15.8000	853.20
10/24/2018	16.20.58	250	15.8000	3,950.00
10/24/2018	16.20.58	249	15.8000	3,934.20
10/24/2018	16.20.58	452	15.8000	7,141.60
10/24/2018	16.20.58	600	15.8000	9,480.00
10/24/2018	16.20.58	1,102	15.8000	17,411.60

Date	Time	Quantity	Price	Amount
10/24/2018	16.20.58	293	15.8000	4,629.40
10/24/2018	16.38.42	118	15.8400	1,869.12
10/24/2018	16.38.42	126	15.8400	1,995.84
10/24/2018	16.38.53	1,756	15.8400	27,815.04
10/24/2018	16.44.44	83	15.8300	1,313.89
10/24/2018	16.45.00	423	15.8300	6,696.09
10/24/2018	16.45.00	1,494	15.8300	23,650.02
10/24/2018	16.45.30	120	15.8200	1,898.40
10/24/2018	16.45.30	250	15.8200	3,955.00
10/24/2018	16.45.30	632	15.8200	9,998.24
10/24/2018	16.45.30	749	15.8200	11,849.18
10/24/2018	16.45.30	249	15.8200	3,939.18
10/24/2018	16.49.21	126	15.7750	1,987.65
10/24/2018	16.49.21	1,454	15.7750	22,936.85
10/24/2018	16.49.54	420	15.7750	6,625.50
10/24/2018	16.50.05	1,587	15.7750	25,034.93
10/24/2018	16.50.43	413	15.7750	6,515.08
10/24/2018	16.53.20	243	15.7500	3,827.25
10/24/2018	16.53.20	249	15.7500	3,921.75
10/24/2018	16.53.20	250	15.7500	3,937.50
10/24/2018	16.53.20	1,258	15.7500	19,813.50
10/24/2018	16.54.14	644	15.7400	10,136.56
10/24/2018	16.54.14	600	15.7400	9,444.00
10/24/2018	16.54.14	1,756	15.7400	27,639.44
10/24/2018	16.59.37	200	15.7000	3,140.00
10/24/2018	16.59.37	126	15.7000	1,978.20
10/24/2018	16.59.37	250	15.7000	3,925.00
10/24/2018	16.59.39	1,370	15.7000	21,509.00
10/24/2018	16.59.39	127	15.7000	1,993.90
10/24/2018	16.59.39	2,927	15.7000	45,953.90
10/24/2018	17.03.15	57	15.7000	894.90
10/24/2018	17.03.15	3	15.7000	47.10
10/24/2018	17.03.15	350	15.7000	5,495.00
10/24/2018	17.03.15	500	15.7000	7,850.00
10/24/2018	17.03.15	600	15.7000	9,420.00
10/24/2018	17.03.15	406	15.7000	6,374.20
10/24/2018	17.03.15	1,084	15.7000	17,018.80
10/24/2018	17.05.34	151	15.6900	2,369.19
10/24/2018	17.05.34	682	15.7000	10,707.40
10/24/2018	17.05.34	500	15.7000	7,850.00
10/24/2018	17.05.34	818	15.7000	12,842.60
10/24/2018	17.06.26	58	15.6900	910.02
10/24/2018	17.06.28	2,791	15.6900	43,790.79
10/24/2018	17.08.05	205	15.6800	3,214.40
10/24/2018	17.08.05	830	15.6800	13,014.40
10/24/2018	17.08.05	830	15.6800	13,014.40

Date	Time	Quantity	Price	Amount
10/24/2018	17.08.05	135	15.6800	2,116.80
10/24/2018	17.08.09	184	15.6650	2,882.36
10/24/2018	17.08.10	454	15.6650	7,111.91
10/24/2018	17.08.10	62	15.6650	971.23
10/24/2018	17.08.10	1,300	15.6650	20,364.50
10/24/2018	17.08.37	2,000	15.6500	31,300.00
10/24/2018	17.14.30	78	15.6650	1,221.87
10/24/2018	17.14.36	4	15.6650	62.66
10/24/2018	17.14.36	500	15.6650	7,832.50
10/24/2018	17.14.36	199	15.6650	3,117.34
10/24/2018	17.14.36	551	15.6650	8,631.42
10/24/2018	17.14.40	342	15.6650	5,357.43
10/24/2018	17.19.04	1,071	15.6900	16,803.99
10/24/2018	17.19.04	42	15.6900	658.98
10/24/2018	17.19.04	199	15.6900	3,122.31
10/24/2018	17.19.04	200	15.6900	3,138.00
10/24/2018	17.19.04	238	15.6900	3,734.22
10/24/2018	17.19.04	250	15.6900	3,922.50
10/24/2018	17.19.17	326	15.6900	5,114.94
10/24/2018	17.26.19	4	15.7500	63.00
10/24/2018	17.26.35	1,000	15.7500	15,750.00
10/24/2018	17.27.19	1,996	15.7600	31,456.96
10/24/2018	17.27.38	1,001	15.7400	15,755.74
10/24/2018	17.28.23	432	15.7500	6,804.00
10/24/2018	17.28.23	500	15.7500	7,875.00
10/24/2018	17.28.23	495	15.7500	7,796.25
10/24/2018	17.28.23	470	15.7500	7,402.50
10/24/2018	17.28.23	102	15.7500	1,606.50
10/25/2018	09.01.11	1,000	15.6100	15,610.00
10/25/2018	09.02.07	178	15.5450	2,767.01
10/25/2018	09.02.07	600	15.5450	9,327.00
10/25/2018	09.02.07	222	15.5450	3,450.99
10/25/2018	09.09.14	1,000	15.6350	15,635.00
10/25/2018	09.11.48	364	15.6400	5,692.96
10/25/2018	09.11.48	600	15.6400	9,384.00
10/25/2018	09.11.48	36	15.6400	563.04
10/25/2018	09.13.25	1,000	15.6400	15,640.00
10/25/2018	09.21.49	51	15.7200	801.72
10/25/2018	09.22.20	14	15.7200	220.08
10/25/2018	09.22.20	600	15.7200	9,432.00
10/25/2018	09.22.20	135	15.7200	2,122.20
10/25/2018	09.26.38	500	15.6900	7,845.00
10/25/2018	09.26.38	300	15.6900	4,707.00
10/25/2018	09.30.10	200	15.7100	3,142.00
10/25/2018	09.30.10	600	15.7100	9,426.00
10/25/2018	09.30.17	89	15.6900	1,396.41

Date	Time	Quantity	Price	Amount
10/25/2018	09.30.17	1,911	15.6900	29,983.59
10/25/2018	09.39.12	632	15.7850	9,976.12
10/25/2018	09.39.12	368	15.7850	5,808.88
10/25/2018	09.42.53	220	15.8100	3,478.20
10/25/2018	10.09.23	682	16.0050	10,915.41
10/25/2018	10.09.23	2,318	16.0050	37,099.59
10/25/2018	10.17.55	1,462	15.9800	23,362.76
10/25/2018	10.17.55	188	15.9800	3,004.24
10/25/2018	10.17.55	207	15.9800	3,307.86
10/25/2018	10.17.55	600	15.9800	9,588.00
10/25/2018	10.17.55	199	15.9800	3,180.02
10/25/2018	10.17.55	344	15.9800	5,497.12
10/25/2018	10.22.23	836	15.9300	13,317.48
10/25/2018	10.22.23	2,164	15.9300	34,472.52
10/25/2018	10.35.59	800	15.9500	12,760.00
10/25/2018	10.36.07	117	15.9400	1,864.98
10/25/2018	10.36.07	200	15.9400	3,188.00
10/25/2018	10.36.07	483	15.9400	7,699.02
10/25/2018	10.45.27	64	15.9700	1,022.08
10/25/2018	10.47.57	197	15.9950	3,151.02
10/25/2018	10.48.23	261	16.0000	4,176.00
10/25/2018	10.48.23	739	16.0000	11,824.00
10/25/2018	10.49.11	1,243	16.0000	19,888.00
10/25/2018	10.49.11	399	16.0000	6,384.00
10/25/2018	10.49.11	358	16.0000	5,728.00
10/25/2018	10.49.12	1,803	15.9950	28,838.99
10/25/2018	10.49.38	537	15.9700	8,575.89
10/25/2018	10.49.38	200	15.9700	3,194.00
10/25/2018	10.49.38	199	15.9700	3,178.03
10/25/2018	11.08.32	2,000	15.9600	31,920.00
10/25/2018	11.21.31	1,000	15.9700	15,970.00
10/25/2018	11.38.57	880	15.9700	14,053.60
10/25/2018	11.38.57	1,120	15.9700	17,886.40
10/25/2018	11.49.28	469	15.9600	7,485.24
10/25/2018	11.49.28	531	15.9600	8,474.76
10/25/2018	11.56.53	152	15.9600	2,425.92
10/25/2018	11.56.53	648	15.9600	10,342.08
10/25/2018	11.56.55	2,000	15.9500	31,900.00
10/25/2018	12.06.26	191	15.9350	3,043.59
10/25/2018	12.06.26	400	15.9350	6,374.00
10/25/2018	12.06.26	200	15.9350	3,187.00
10/25/2018	12.06.26	199	15.9350	3,171.07
10/25/2018	12.06.26	1,010	15.9350	16,094.35
10/25/2018	12.07.32	433	15.9250	6,895.53
10/25/2018	12.08.28	60	15.9250	955.50
10/25/2018	12.10.41	307	15.9250	4,888.98

Date	Time	Quantity	Price	Amount
10/25/2018	12.24.39	70	15.8900	1,112.30
10/25/2018	12.24.39	200	15.8900	3,178.00
10/25/2018	12.24.39	1,730	15.8900	27,489.70
10/25/2018	13.28.35	2,229	15.9200	35,485.68
10/25/2018	13.28.35	627	15.9200	9,981.84
10/25/2018	13.28.35	144	15.9200	2,292.48
10/25/2018	13.35.19	1,929	15.9200	30,709.68
10/25/2018	13.35.19	201	15.9200	3,199.92
10/25/2018	13.35.19	780	15.9200	12,417.60
10/25/2018	13.35.19	90	15.9200	1,432.80
10/25/2018	13.37.48	288	15.9100	4,582.08
10/25/2018	13.37.48	2,273	15.9100	36,163.43
10/25/2018	13.37.48	439	15.9100	6,984.49
10/25/2018	13.39.54	168	15.9000	2,671.20
10/25/2018	13.41.11	3,533	15.9000	56,174.70
10/25/2018	13.41.11	200	15.9000	3,180.00
10/25/2018	13.41.11	99	15.9000	1,574.10
10/25/2018	15.08.00	195	15.8700	3,094.65
10/25/2018	15.08.00	605	15.8700	9,601.35
10/25/2018	15.08.01	2,000	15.8600	31,720.00
10/25/2018	15.34.12	800	15.8350	12,668.00
10/25/2018	15.35.08	1,294	15.8050	20,451.67
10/25/2018	15.35.08	200	15.8050	3,161.00
10/25/2018	15.35.08	199	15.8050	3,145.20
10/25/2018	15.35.08	1,307	15.8050	20,657.14
10/25/2018	15.35.08	3,000	15.8200	47,460.00
10/25/2018	16.47.43	626	15.9000	9,953.40
10/25/2018	16.47.43	270	15.9000	4,293.00
10/25/2018	16.47.43	200	15.9000	3,180.00
10/25/2018	16.47.43	200	15.9000	3,180.00
10/25/2018	16.47.43	199	15.9000	3,164.10
10/25/2018	16.47.43	306	15.9000	4,865.40
10/25/2018	16.47.43	199	15.9000	3,164.10
10/25/2018	16.54.44	135	15.9200	2,149.20
10/25/2018	16.54.45	172	15.9200	2,738.24
10/25/2018	16.54.45	501	15.9200	7,975.92
10/25/2018	16.54.45	1,192	15.9200	18,976.64
10/25/2018	17.03.48	70	15.9150	1,114.05
10/25/2018	17.03.48	56	15.9150	891.24
10/25/2018	17.03.48	199	15.9150	3,167.09
10/25/2018	17.03.48	831	15.9150	13,225.37
10/25/2018	17.03.48	274	15.9150	4,360.71
10/25/2018	17.03.48	541	15.9150	8,610.02
10/25/2018	17.05.30	29	15.9150	461.54
10/25/2018	17.06.45	580	15.9050	9,224.90
10/25/2018	17.12.01	327	15.9050	5,200.94

Date	Time	Quantity	Price	Amount
10/25/2018	17.12.16	191	15.9050	3,037.86
10/25/2018	17.12.16	389	15.9050	6,187.05
10/25/2018	17.12.16	600	15.9050	9,543.00
10/25/2018	17.12.16	493	15.9050	7,841.17
10/25/2018	17.27.39	169	15.9400	2,693.86
10/25/2018	17.27.39	139	15.9400	2,215.66
10/25/2018	17.28.14	169	15.9350	2,693.02
10/25/2018	17.29.40	15	15.9400	239.10
10/25/2018	17.29.40	74	15.9400	1,179.56
10/25/2018	17.29.41	300	15.9400	4,782.00
10/25/2018	17.29.50	134	15.9400	2,135.96
10/26/2018	09.01.07	549	15.6450	8,589.11
10/26/2018	09.01.07	451	15.6450	7,055.90
10/26/2018	09.01.07	840	15.6600	13,154.40
10/26/2018	09.01.07	160	15.6600	2,505.60
10/26/2018	09.03.14	750	15.6200	11,715.00
10/26/2018	09.03.14	250	15.6200	3,905.00
10/26/2018	09.05.54	172	15.6750	2,696.10
10/26/2018	09.05.54	494	15.6750	7,743.45
10/26/2018	09.06.00	618	15.6750	9,687.15
10/26/2018	09.06.01	716	15.6750	11,223.30
10/26/2018	09.08.37	437	15.7200	6,869.64
10/26/2018	09.08.37	600	15.7200	9,432.00
10/26/2018	09.08.37	463	15.7200	7,278.36
10/26/2018	09.11.48	1,754	15.7600	27,643.04
10/26/2018	09.11.48	246	15.7600	3,876.96
10/26/2018	09.15.25	2,000	15.7400	31,480.00
10/26/2018	09.16.17	209	15.7200	3,285.48
10/26/2018	09.16.17	191	15.7200	3,002.52
10/26/2018	09.16.17	600	15.7200	9,432.00
10/26/2018	09.16.17	2,000	15.7250	31,450.00
10/26/2018	09.18.00	564	15.7000	8,854.80
10/26/2018	09.18.00	436	15.7000	6,845.20
10/26/2018	09.18.23	131	15.6900	2,055.39
10/26/2018	09.18.29	140	15.6900	2,196.60
10/26/2018	09.18.39	24	15.6900	376.56
10/26/2018	09.19.45	2,205	15.6900	34,596.45
10/26/2018	09.19.45	3,500	15.6900	54,915.00
10/26/2018	09.21.53	1,235	15.6600	19,340.10
10/26/2018	09.21.53	265	15.6600	4,149.90
10/26/2018	09.26.04	159	15.6500	2,488.35
10/26/2018	09.35.56	462	15.6650	7,237.23
10/26/2018	10.03.22	2,348	15.7000	36,863.60
10/26/2018	10.03.22	652	15.7000	10,236.40
10/26/2018	10.42.14	94	15.7000	1,475.80
10/26/2018	10.42.14	728	15.7000	11,429.60

Date	Time	Quantity	Price	Amount
10/26/2018	10.42.14	300	15.7000	4,710.00
10/26/2018	10.42.14	40	15.7000	628.00
10/26/2018	10.44.11	3,538	15.7000	55,546.60
10/26/2018	10.44.11	300	15.7000	4,710.00
10/26/2018	10.47.59	500	15.6900	7,845.00
10/26/2018	10.47.59	2,500	15.6900	39,225.00
10/26/2018	10.57.04	3,000	15.7000	47,100.00
10/26/2018	11.16.53	1,086	15.6950	17,044.77
10/26/2018	11.16.53	1,387	15.6950	21,768.97
10/26/2018	11.16.53	527	15.6950	8,271.27
10/26/2018	11.19.39	21	15.6800	329.28
10/26/2018	11.20.44	497	15.6800	7,792.96
10/26/2018	11.20.44	2,482	15.6800	38,917.76
10/26/2018	11.20.49	2,869	15.6700	44,957.23
10/26/2018	11.20.49	131	15.6700	2,052.77
10/26/2018	11.27.46	168	15.6650	2,631.72
10/26/2018	11.29.15	350	15.6650	5,482.75
10/26/2018	11.29.15	1,400	15.6650	21,931.00
10/26/2018	11.29.15	99	15.6650	1,550.84
10/26/2018	11.29.15	521	15.6650	8,161.47
10/26/2018	11.50.05	1,272	15.6900	19,957.68
10/26/2018	11.50.05	728	15.6900	11,422.32
10/26/2018	12.46.27	1,041	15.6850	16,328.09
10/26/2018	12.46.27	1,479	15.6900	23,205.51
10/26/2018	12.46.27	521	15.6900	8,174.49
10/26/2018	13.26.58	234	15.7250	3,679.65
10/26/2018	13.26.58	266	15.7250	4,182.85
10/26/2018	13.27.11	181	15.7250	2,846.23
10/26/2018	13.27.11	88	15.7250	1,383.80
10/26/2018	13.27.11	172	15.7250	2,704.70
10/26/2018	13.27.11	59	15.7250	927.78
10/26/2018	13.27.22	536	15.7250	8,428.60
10/26/2018	13.27.22	464	15.7250	7,296.40
10/26/2018	13.32.22	3,000	15.7250	47,175.00
10/26/2018	13.32.51	1,423	15.7150	22,362.45
10/26/2018	13.32.51	300	15.7150	4,714.50
10/26/2018	13.32.51	277	15.7150	4,353.06
10/26/2018	14.17.17	898	15.7650	14,156.97
10/26/2018	14.17.17	300	15.7650	4,729.50
10/26/2018	14.17.17	277	15.7650	4,366.91
10/26/2018	14.17.17	300	15.7650	4,729.50
10/26/2018	14.17.17	325	15.7650	5,123.63
10/26/2018	14.17.17	600	15.7650	9,459.00
10/26/2018	14.17.17	300	15.7650	4,729.50
10/26/2018	15.24.55	582	15.8600	9,230.52
10/26/2018	15.28.09	2,534	15.8600	40,189.24

10/26/2018	15.28.09	1,216	15.8600	19,285.76
10/26/2018	15.28.09	300	15.8600	4,758.00
10/26/2018	15.28.09	368	15.8600	5,836.48
10/26/2018	15.31.29	3,000	15.8500	47,550.00
10/26/2018	15.54.20	3	15.7750	47.33
10/26/2018	15.54.49	146	15.7750	2,303.15
10/26/2018	15.56.51	108	15.7750	1,703.70
10/26/2018	15.57.01	400	15.7750	6,310.00
10/26/2018	16.00.30	2,970	15.7750	46,851.75
10/26/2018	16.00.30	276	15.7750	4,353.90
10/26/2018	16.00.30	1,097	15.7750	17,305.18
10/26/2018	16.29.28	144	15.7450	2,267.28
10/26/2018	16.29.28	1,765	15.7450	27,789.93
10/26/2018	16.29.28	323	15.7450	5,085.64
10/26/2018	16.29.44	2,768	15.7450	43,582.16
10/26/2018	16.35.17	113	15.7250	1,776.93
10/26/2018	16.35.17	314	15.7250	4,937.65
10/26/2018	16.35.17	836	15.7250	13,146.10
10/26/2018	16.37.01	3,737	15.7250	58,764.33
10/26/2018	16.49.34	934	15.7150	14,677.81
10/26/2018	16.53.58	978	15.7200	15,374.16
10/26/2018	16.53.58	63	15.7200	990.36
10/26/2018	16.53.58	494	15.7200	7,765.68
10/26/2018	16.53.58	575	15.7200	9,039.00
10/26/2018	16.53.58	176	15.7200	2,766.72
10/26/2018	16.53.58	300	15.7200	4,716.00
10/26/2018	16.53.58	414	15.7200	6,508.08
10/26/2018	16.58.01	124	15.7150	1,948.66
10/26/2018	16.58.01	222	15.7150	3,488.73
10/26/2018	16.58.01	1,520	15.7150	23,886.80
10/26/2018	16.58.01	200	15.7150	3,143.00
10/26/2018	17.01.36	211	15.7100	3,314.81
10/26/2018	17.01.59	138	15.7100	2,167.98
10/26/2018	17.01.59	151	15.7100	2,372.21
10/26/2018	17.01.59	300	15.7100	4,713.00
10/26/2018	17.02.08	83	15.7000	1,303.10
10/26/2018	17.02.08	605	15.7000	9,498.50
10/26/2018	17.02.18	1,312	15.7000	20,598.40
10/26/2018	17.20.29	537	15.7850	8,476.55
10/26/2018	17.20.29	140	15.7850	2,209.90
10/26/2018	17.20.29	1,296	15.7850	20,457.36
10/26/2018	17.23.48	424	15.8050	6,701.32
10/26/2018	17.23.48	1,285	15.8050	20,309.43
10/26/2018	17.23.49	1,318	15.8050	20,830.99