

ZURICH, SWITZERLAND, DECEMBER 17, 2020

ABB share buybacks

December 10 – December 16, 2020

During the period December 10, 2020, to December 16, 2020, ABB repurchased a total of 5,284,000 shares as part of its share buyback program announced on July 22, 2020.

The buyback program is being carried out in accordance with the Market Abuse Regulation (EU) No 596/2014 (“MAR”) and the Commission Delegated Regulation (EU) No 2016/1052 (the “Safe Harbour Regulation”).

Date	Aggregated daily volume (number of shares)	Daily weighted average share price (CHF)	Daily buyback amount (CHF)
Dec 10, 2020	1,000,000	24.027200	24,027,200.00
Dec 11, 2020	965,000	23.864896	23,029,624.64
Dec 14, 2020	985,000	24.003096	23,643,049.56
Dec 15, 2020	779,000	23.933094	18,643,880.23
Dec 16, 2020	1,555,000	23.933498	37,216,589.39

All share purchases above have been carried out on a separate trading line on the SIX Swiss Exchange by a bank, on behalf of ABB. A full breakdown of the transactions pursuant to article 5.3 of MAR and article 2.3 of the Safe Harbour Regulation is attached to this announcement. The bank makes its trading decisions concerning the timing of share repurchases independently of ABB, within some defined parameters.

The total number of ABB Ltd shares which have been bought back within the current share buyback program from July 23, 2020, to and including December 16, 2020, is 106,457,859 shares.

Additional information is available on ABB’s investor relations website site at <https://global.abb/group/en/investors/investor-and-shareholder-resources/share-buyback-program>.

ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 110,000 talented employees in over 100 countries. www.abb.com

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Appendix

Detailed individual transaction information:

All share purchases below were completed on a separate trading line on the SIX Swiss Exchange (Bloomberg ticker for SIX Exchange: SE)

Date	Time (CET)	Volume	Price	Exchange					
					2020-12-10	14:40:28	5,000	24.07	SE
2020-12-10	09:09:55	10,000	24.11	SE	2020-12-10	14:40:32	2,500	24.07	SE
2020-12-10	09:24:14	10,000	24.15	SE	2020-12-10	14:40:32	2,500	24.07	SE
2020-12-10	09:40:10	2,500	24.10	SE	2020-12-10	14:40:33	2,500	24.07	SE
2020-12-10	09:45:22	10,000	24.10	SE	2020-12-10	14:40:33	2,500	24.07	SE
2020-12-10	10:02:09	10,000	24.11	SE	2020-12-10	14:40:36	10,000	24.07	SE
2020-12-10	10:22:10	2,500	24.11	SE	2020-12-10	14:42:02	10,000	24.06	SE
2020-12-10	10:28:23	2,500	24.14	SE	2020-12-10	14:45:00	2,500	24.05	SE
2020-12-10	10:28:23	2,500	24.14	SE	2020-12-10	14:45:53	10,000	24.03	SE
2020-12-10	10:36:08	10,000	24.12	SE	2020-12-10	14:49:49	2,500	24.03	SE
2020-12-10	11:02:10	2,500	24.12	SE	2020-12-10	14:50:25	2,500	24.02	SE
2020-12-10	11:06:50	2,500	24.10	SE	2020-12-10	14:51:10	2,500	24.02	SE
2020-12-10	11:06:50	2,500	24.10	SE	2020-12-10	14:52:31	2,500	24.00	SE
2020-12-10	11:16:22	10,000	24.10	SE	2020-12-10	14:52:56	2,500	24.01	SE
2020-12-10	11:50:04	10,000	24.08	SE	2020-12-10	14:57:53	2,500	23.99	SE
2020-12-10	12:13:54	2,500	24.07	SE	2020-12-10	14:57:53	2,500	23.99	SE
2020-12-10	12:18:12	2,500	24.05	SE	2020-12-10	14:57:54	2,500	23.99	SE
2020-12-10	12:26:22	2,500	24.04	SE	2020-12-10	14:57:54	2,500	23.99	SE
2020-12-10	12:37:19	2,500	24.06	SE	2020-12-10	14:58:01	2,500	23.97	SE
2020-12-10	12:46:33	10,000	24.07	SE	2020-12-10	14:58:03	2,500	23.95	SE
2020-12-10	13:17:31	2,500	24.05	SE	2020-12-10	14:59:17	2,500	23.94	SE
2020-12-10	13:22:48	2,500	24.03	SE	2020-12-10	15:00:03	2,500	23.95	SE
2020-12-10	13:30:56	10,000	24.02	SE	2020-12-10	15:01:00	2,500	23.96	SE
2020-12-10	13:57:28	2,500	24.01	SE	2020-12-10	15:01:29	2,500	23.97	SE
2020-12-10	13:59:02	2,500	24.03	SE	2020-12-10	15:02:15	2,500	23.95	SE
2020-12-10	14:00:17	2,500	24.02	SE	2020-12-10	15:03:40	2,500	23.95	SE
2020-12-10	14:00:17	2,500	24.02	SE	2020-12-10	15:03:45	7,500	23.95	SE
2020-12-10	14:02:18	10,000	24.04	SE	2020-12-10	15:06:08	2,500	23.94	SE
2020-12-10	14:07:17	2,500	24.03	SE	2020-12-10	15:07:03	2,500	23.94	SE
2020-12-10	14:07:52	7,500	24.03	SE	2020-12-10	15:07:45	2,500	23.94	SE
2020-12-10	14:10:19	2,500	24.04	SE	2020-12-10	15:09:03	2,500	23.92	SE
2020-12-10	14:12:15	10,000	24.04	SE	2020-12-10	15:09:07	2,500	23.92	SE
2020-12-10	14:19:18	10,000	24.06	SE	2020-12-10	15:10:13	2,500	23.91	SE
2020-12-10	14:38:27	10,000	24.06	SE	2020-12-10	15:11:16	2,500	23.90	SE
2020-12-10	14:38:33	10,000	24.07	SE	2020-12-10	15:12:38	2,500	23.91	SE
2020-12-10	14:40:16	2,500	24.07	SE	2020-12-10	15:13:11	2,500	23.90	SE
2020-12-10	14:40:21	2,500	24.07	SE	2020-12-10	15:13:22	7,500	23.88	SE
2020-12-10	14:40:21	2,500	24.07	SE	2020-12-10	15:16:47	10,000	23.91	SE
2020-12-10	14:40:22	2,500	24.07	SE	2020-12-10	15:20:32	2,500	23.90	SE
2020-12-10	14:40:25	2,500	24.07	SE	2020-12-10	15:21:19	10,000	23.90	SE
2020-12-10	14:40:28	5,000	24.07	SE	2020-12-10	15:29:19	2,500	23.92	SE

2020-12-10	15:29:19	2,500	23.92	SE	2020-12-10	16:05:45	2,500	24.07	SE
2020-12-10	15:29:20	2,500	23.92	SE	2020-12-10	16:05:46	2,500	24.07	SE
2020-12-10	15:29:20	2,500	23.92	SE	2020-12-10	16:05:47	2,500	24.07	SE
2020-12-10	15:29:23	2,500	23.92	SE	2020-12-10	16:05:49	2,500	24.07	SE
2020-12-10	15:29:58	2,500	23.92	SE	2020-12-10	16:05:50	2,500	24.07	SE
2020-12-10	15:29:58	2,500	23.92	SE	2020-12-10	16:05:51	2,500	24.07	SE
2020-12-10	15:30:00	5,000	23.92	SE	2020-12-10	16:05:52	5,000	24.07	SE
2020-12-10	15:30:58	10,000	23.88	SE	2020-12-10	16:05:52	5,000	24.07	SE
2020-12-10	15:32:41	2,500	23.91	SE	2020-12-10	16:05:53	2,500	24.07	SE
2020-12-10	15:32:41	2,500	23.91	SE	2020-12-10	16:05:58	2,500	24.07	SE
2020-12-10	15:32:48	2,500	23.91	SE	2020-12-10	16:05:59	2,500	24.07	SE
2020-12-10	15:33:22	2,500	23.93	SE	2020-12-10	16:06:00	5,000	24.07	SE
2020-12-10	15:33:22	2,500	23.93	SE	2020-12-10	16:06:48	2,500	24.07	SE
2020-12-10	15:33:37	2,500	23.93	SE	2020-12-10	16:08:09	10,000	24.07	SE
2020-12-10	15:34:05	2,500	23.93	SE	2020-12-10	16:12:05	10,000	24.06	SE
2020-12-10	15:34:23	2,500	23.93	SE	2020-12-10	16:12:07	2,500	24.07	SE
2020-12-10	15:34:23	2,500	23.93	SE	2020-12-10	16:12:10	7,500	24.07	SE
2020-12-10	15:34:55	2,500	23.92	SE	2020-12-10	16:15:02	10,000	24.06	SE
2020-12-10	15:34:56	10,000	23.90	SE	2020-12-10	16:15:38	2,500	24.07	SE
2020-12-10	15:37:19	2,500	23.94	SE	2020-12-10	16:16:05	2,500	24.07	SE
2020-12-10	15:37:40	2,500	23.94	SE	2020-12-10	16:16:57	2,500	24.07	SE
2020-12-10	15:38:17	2,500	23.96	SE	2020-12-10	16:16:59	7,500	24.07	SE
2020-12-10	15:38:17	2,500	23.96	SE	2020-12-10	16:18:21	2,500	24.07	SE
2020-12-10	15:39:10	2,500	23.97	SE	2020-12-10	16:20:23	10,000	24.07	SE
2020-12-10	15:39:25	2,500	23.99	SE	2020-12-10	16:24:03	2,500	24.07	SE
2020-12-10	15:40:13	2,500	24.03	SE	2020-12-10	16:24:03	10,000	24.06	SE
2020-12-10	15:40:14	2,500	24.03	SE	2020-12-10	16:24:04	2,500	24.07	SE
2020-12-10	15:40:41	2,500	24.05	SE	2020-12-10	16:24:04	2,500	24.07	SE
2020-12-10	15:41:22	2,500	24.05	SE	2020-12-10	16:24:22	2,500	24.07	SE
2020-12-10	15:41:39	2,500	24.04	SE	2020-12-10	16:26:02	2,500	24.05	SE
2020-12-10	15:42:40	2,500	24.05	SE	2020-12-10	16:26:07	2,500	24.05	SE
2020-12-10	15:43:19	2,500	24.05	SE	2020-12-10	16:26:10	2,500	24.05	SE
2020-12-10	15:43:36	2,500	24.05	SE	2020-12-10	16:27:41	2,500	24.04	SE
2020-12-10	15:44:17	2,500	24.04	SE	2020-12-10	16:27:42	2,500	24.04	SE
2020-12-10	15:44:17	2,500	24.04	SE	2020-12-10	16:27:45	2,500	24.02	SE
2020-12-10	15:45:14	10,000	24.03	SE	2020-12-10	16:27:46	2,500	24.02	SE
2020-12-10	15:46:47	2,500	24.04	SE	2020-12-10	16:28:23	2,500	24.02	SE
2020-12-10	15:47:06	7,500	24.04	SE	2020-12-10	16:28:53	2,500	24.02	SE
2020-12-10	15:48:41	2,500	24.06	SE	2020-12-10	16:29:23	2,500	24.02	SE
2020-12-10	15:49:05	10,000	24.06	SE	2020-12-10	16:29:53	2,500	24.02	SE
2020-12-10	16:01:27	2,500	24.07	SE	2020-12-10	16:30:53	2,500	24.02	SE
2020-12-10	16:03:40	7,500	24.07	SE	2020-12-10	16:31:00	2,500	24.02	SE
2020-12-10	16:04:47	10,000	24.07	SE	2020-12-10	16:32:55	2,500	24.01	SE
2020-12-10	16:05:37	2,500	24.07	SE	2020-12-10	16:32:55	2,500	24.01	SE
2020-12-10	16:05:38	2,500	24.07	SE	2020-12-10	16:32:56	2,500	24.01	SE
2020-12-10	16:05:38	7,500	24.07	SE	2020-12-10	16:32:57	2,500	24.02	SE
2020-12-10	16:05:41	2,500	24.07	SE	2020-12-10	16:32:59	2,500	24.02	SE
2020-12-10	16:05:42	5,000	24.07	SE	2020-12-10	16:33:38	2,500	24.01	SE
2020-12-10	16:05:42	5,000	24.07	SE	2020-12-10	16:34:10	2,500	24.02	SE

2020-12-10	16:34:40	2,500	24.02	SE	2020-12-11	09:23:30	5,000	23.89	SE
2020-12-10	16:35:10	2,500	24.02	SE	2020-12-11	09:26:23	10,000	23.83	SE
2020-12-10	16:35:41	2,500	24.02	SE	2020-12-11	09:30:17	2,500	23.83	SE
2020-12-10	16:36:11	2,500	24.03	SE	2020-12-11	09:31:13	2,500	23.81	SE
2020-12-10	16:36:18	10,000	24.02	SE	2020-12-11	09:32:05	10,000	23.78	SE
2020-12-10	16:38:37	2,500	24.03	SE	2020-12-11	09:35:15	2,500	23.75	SE
2020-12-10	16:39:33	2,500	24.05	SE	2020-12-11	09:36:35	2,500	23.77	SE
2020-12-10	16:39:33	2,500	24.05	SE	2020-12-11	09:37:46	2,500	23.77	SE
2020-12-10	16:39:58	2,500	24.05	SE	2020-12-11	09:38:14	10,000	23.76	SE
2020-12-10	16:40:32	2,500	24.07	SE	2020-12-11	09:43:02	10,000	23.71	SE
2020-12-10	16:40:59	10,000	24.05	SE	2020-12-11	09:47:08	2,500	23.71	SE
2020-12-10	16:42:46	10,000	24.03	SE	2020-12-11	09:48:39	2,500	23.71	SE
2020-12-10	16:44:50	10,000	24.05	SE	2020-12-11	09:49:23	2,500	23.71	SE
2020-12-10	16:46:54	2,500	24.03	SE	2020-12-11	09:50:00	2,500	23.70	SE
2020-12-10	16:46:54	2,500	24.03	SE	2020-12-11	09:51:15	2,500	23.69	SE
2020-12-10	16:47:30	2,500	24.02	SE	2020-12-11	09:53:08	2,500	23.71	SE
2020-12-10	16:47:57	10,000	24.00	SE	2020-12-11	09:55:57	2,500	23.71	SE
2020-12-10	16:49:48	2,500	24.02	SE	2020-12-11	09:55:58	2,500	23.71	SE
2020-12-10	16:50:18	2,500	24.02	SE	2020-12-11	09:56:01	2,500	23.71	SE
2020-12-10	16:50:46	2,500	24.02	SE	2020-12-11	09:56:55	10,000	23.72	SE
2020-12-10	16:51:22	10,000	24.03	SE	2020-12-11	10:01:24	10,000	23.77	SE
2020-12-10	16:53:29	10,000	24.00	SE	2020-12-11	10:05:55	10,000	23.85	SE
2020-12-10	16:56:34	2,500	24.02	SE	2020-12-11	10:10:47	2,500	23.88	SE
2020-12-10	16:56:34	2,500	24.02	SE	2020-12-11	10:10:48	7,500	23.88	SE
2020-12-10	16:56:35	2,500	24.02	SE	2020-12-11	10:14:39	10,000	23.87	SE
2020-12-10	16:56:38	10,000	24.02	SE	2020-12-11	10:19:18	2,500	23.87	SE
2020-12-10	16:58:03	10,000	24.02	SE	2020-12-11	10:22:08	2,500	23.88	SE
2020-12-10	16:59:52	10,000	24.01	SE	2020-12-11	10:22:12	2,500	23.88	SE
2020-12-10	17:01:25	10,000	24.00	SE	2020-12-11	10:24:18	10,000	23.88	SE
2020-12-10	17:03:08	10,000	24.01	SE	2020-12-11	10:28:53	2,500	23.89	SE
2020-12-10	17:04:37	10,000	24.01	SE	2020-12-11	10:30:39	2,500	23.89	SE
2020-12-10	17:06:42	10,000	24.01	SE	2020-12-11	10:32:26	2,500	23.88	SE
2020-12-10	17:08:09	10,000	24.01	SE	2020-12-11	10:32:54	2,500	23.88	SE
2020-12-10	17:10:02	10,000	24.01	SE	2020-12-11	10:34:24	2,500	23.87	SE
2020-12-10	17:12:27	10,000	23.99	SE	2020-12-11	10:36:08	2,500	23.84	SE
2020-12-10	17:12:46	10,000	23.99	SE	2020-12-11	10:38:07	2,500	23.85	SE
2020-12-10	17:14:48	10,000	24.02	SE	2020-12-11	10:38:24	2,500	23.85	SE
2020-12-10	17:15:42	10,000	24.03	SE	2020-12-11	10:39:23	2,500	23.83	SE
2020-12-10	17:17:03	10,000	24.04	SE	2020-12-11	10:40:14	2,500	23.83	SE
2020-12-10	17:18:41	10,000	24.04	SE	2020-12-11	10:42:10	2,500	23.83	SE
2020-12-10	17:19:55	10,000	24.03	SE	2020-12-11	10:43:24	2,500	23.84	SE
2020-12-11	09:16:43	2,500	23.85	SE	2020-12-11	10:44:28	10,000	23.84	SE
2020-12-11	09:18:31	2,500	23.90	SE	2020-12-11	10:50:02	10,000	23.85	SE
2020-12-11	09:18:31	2,500	23.90	SE	2020-12-11	10:55:26	2,500	23.83	SE
2020-12-11	09:18:47	2,500	23.88	SE	2020-12-11	10:56:55	10,000	23.82	SE
2020-12-11	09:21:21	2,500	23.89	SE	2020-12-11	11:01:39	10,000	23.79	SE
2020-12-11	09:21:22	2,500	23.89	SE	2020-12-11	11:08:33	2,500	23.80	SE
2020-12-11	09:21:23	5,000	23.89	SE	2020-12-11	11:13:00	2,500	23.78	SE
2020-12-11	09:23:30	2,500	23.89	SE	2020-12-11	11:13:05	7,500	23.78	SE

2020-12-11	11:18:21	2,500	23.79	SE	2020-12-11	14:15:14	2,500	23.82	SE
2020-12-11	11:18:21	2,500	23.79	SE	2020-12-11	14:20:00	10,000	23.83	SE
2020-12-11	11:18:21	2,500	23.78	SE	2020-12-11	14:24:05	10,000	23.86	SE
2020-12-11	11:20:57	2,500	23.84	SE	2020-12-11	14:29:51	10,000	23.84	SE
2020-12-11	11:22:23	10,000	23.84	SE	2020-12-11	14:35:33	10,000	23.86	SE
2020-12-11	11:30:09	2,500	23.87	SE	2020-12-11	14:41:04	10,000	23.86	SE
2020-12-11	11:30:10	2,500	23.87	SE	2020-12-11	14:49:57	2,500	23.85	SE
2020-12-11	11:30:26	5,000	23.87	SE	2020-12-11	14:50:06	7,500	23.85	SE
2020-12-11	11:33:14	2,500	23.88	SE	2020-12-11	14:52:50	2,500	23.84	SE
2020-12-11	11:35:49	2,500	23.86	SE	2020-12-11	14:54:20	2,500	23.85	SE
2020-12-11	11:35:51	2,500	23.86	SE	2020-12-11	14:56:03	2,500	23.86	SE
2020-12-11	11:38:20	2,500	23.83	SE	2020-12-11	14:57:08	2,500	23.86	SE
2020-12-11	11:39:34	2,500	23.83	SE	2020-12-11	14:58:54	2,500	23.88	SE
2020-12-11	11:39:48	10,000	23.81	SE	2020-12-11	15:01:20	2,500	23.86	SE
2020-12-11	11:48:02	10,000	23.80	SE	2020-12-11	15:01:22	2,500	23.86	SE
2020-12-11	11:56:38	10,000	23.78	SE	2020-12-11	15:02:58	2,500	23.87	SE
2020-12-11	12:01:12	10,000	23.75	SE	2020-12-11	15:06:17	2,500	23.86	SE
2020-12-11	12:07:08	2,500	23.71	SE	2020-12-11	15:06:20	2,500	23.86	SE
2020-12-11	12:09:40	2,500	23.72	SE	2020-12-11	15:06:40	2,500	23.86	SE
2020-12-11	12:11:18	10,000	23.72	SE	2020-12-11	15:07:57	5,000	23.84	SE
2020-12-11	12:20:07	7,500	23.71	SE	2020-12-11	15:10:54	2,500	23.85	SE
2020-12-11	12:20:07	2,500	23.71	SE	2020-12-11	15:12:25	10,000	23.85	SE
2020-12-11	12:26:41	10,000	23.70	SE	2020-12-11	15:20:47	10,000	23.86	SE
2020-12-11	12:33:59	2,500	23.71	SE	2020-12-11	15:25:43	2,500	23.86	SE
2020-12-11	12:37:10	2,500	23.73	SE	2020-12-11	15:27:27	2,500	23.88	SE
2020-12-11	12:39:47	10,000	23.75	SE	2020-12-11	15:27:27	2,500	23.88	SE
2020-12-11	12:51:05	2,500	23.77	SE	2020-12-11	15:28:46	10,000	23.88	SE
2020-12-11	12:52:28	7,500	23.77	SE	2020-12-11	15:31:51	2,500	23.89	SE
2020-12-11	12:55:58	2,500	23.80	SE	2020-12-11	15:32:12	2,500	23.89	SE
2020-12-11	12:57:08	2,500	23.81	SE	2020-12-11	15:32:43	2,500	23.89	SE
2020-12-11	12:59:17	10,000	23.83	SE	2020-12-11	15:33:21	2,500	23.87	SE
2020-12-11	13:15:11	2,500	23.81	SE	2020-12-11	15:33:44	2,500	23.85	SE
2020-12-11	13:15:12	2,500	23.81	SE	2020-12-11	15:34:42	2,500	23.87	SE
2020-12-11	13:15:13	2,500	23.81	SE	2020-12-11	15:34:42	2,500	23.87	SE
2020-12-11	13:15:13	2,500	23.81	SE	2020-12-11	15:35:29	2,500	23.88	SE
2020-12-11	13:15:14	7,500	23.81	SE	2020-12-11	15:36:10	10,000	23.88	SE
2020-12-11	13:17:01	2,500	23.81	SE	2020-12-11	15:39:38	2,500	23.91	SE
2020-12-11	13:24:32	2,500	23.85	SE	2020-12-11	15:39:38	2,500	23.91	SE
2020-12-11	13:27:28	10,000	23.84	SE	2020-12-11	15:41:40	2,500	23.90	SE
2020-12-11	13:34:44	2,500	23.83	SE	2020-12-11	15:41:44	2,500	23.90	SE
2020-12-11	13:36:08	2,500	23.84	SE	2020-12-11	15:42:15	2,500	23.90	SE
2020-12-11	13:36:12	10,000	23.82	SE	2020-12-11	15:43:31	2,500	23.90	SE
2020-12-11	13:46:33	2,500	23.81	SE	2020-12-11	15:43:31	2,500	23.90	SE
2020-12-11	13:48:10	2,500	23.81	SE	2020-12-11	15:45:30	2,500	23.89	SE
2020-12-11	13:50:07	10,000	23.82	SE	2020-12-11	15:45:30	2,500	23.89	SE
2020-12-11	13:58:45	2,500	23.85	SE	2020-12-11	15:46:02	10,000	23.89	SE
2020-12-11	14:00:04	2,500	23.86	SE	2020-12-11	15:49:34	2,500	23.89	SE
2020-12-11	14:01:43	10,000	23.86	SE	2020-12-11	15:51:02	10,000	23.89	SE
2020-12-11	14:08:20	10,000	23.84	SE	2020-12-11	15:53:52	2,500	23.91	SE

2020-12-11	15:54:40	2,500	23.91	SE	2020-12-14	09:36:41	2,500	23.95	SE
2020-12-11	15:55:10	2,500	23.91	SE	2020-12-14	09:36:41	2,500	23.95	SE
2020-12-11	15:56:19	2,500	23.93	SE	2020-12-14	09:39:24	2,500	23.94	SE
2020-12-11	15:56:37	10,000	23.93	SE	2020-12-14	09:39:24	2,500	23.94	SE
2020-12-11	16:00:20	2,500	23.93	SE	2020-12-14	09:39:26	5,000	23.94	SE
2020-12-11	16:01:32	2,500	23.94	SE	2020-12-14	09:42:35	5,000	23.95	SE
2020-12-11	16:01:48	7,500	23.94	SE	2020-12-14	09:44:39	5,000	23.94	SE
2020-12-11	16:04:05	2,500	23.97	SE	2020-12-14	09:46:55	5,000	23.94	SE
2020-12-11	16:04:51	2,500	23.97	SE	2020-12-14	09:49:33	2,500	23.96	SE
2020-12-11	16:05:39	10,000	23.95	SE	2020-12-14	09:49:33	2,500	23.96	SE
2020-12-11	16:09:07	2,500	23.97	SE	2020-12-14	09:50:25	2,500	23.96	SE
2020-12-11	16:10:14	2,500	23.98	SE	2020-12-14	09:53:20	2,500	23.96	SE
2020-12-11	16:12:24	10,000	23.97	SE	2020-12-14	09:53:20	2,500	23.96	SE
2020-12-11	16:13:59	10,000	23.98	SE	2020-12-14	09:53:21	2,500	23.96	SE
2020-12-11	16:17:59	2,500	23.98	SE	2020-12-14	09:54:23	10,000	23.93	SE
2020-12-11	16:18:19	2,500	23.98	SE	2020-12-14	10:00:02	2,500	23.96	SE
2020-12-11	16:19:26	10,000	23.99	SE	2020-12-14	10:00:34	2,500	23.96	SE
2020-12-11	16:23:52	2,500	24.00	SE	2020-12-14	10:01:37	2,500	23.99	SE
2020-12-11	16:23:55	2,500	24.00	SE	2020-12-14	10:02:35	2,500	24.00	SE
2020-12-11	16:25:26	10,000	23.99	SE	2020-12-14	10:03:59	2,500	23.99	SE
2020-12-11	16:27:33	2,500	24.00	SE	2020-12-14	10:06:03	2,500	24.00	SE
2020-12-11	16:28:27	10,000	24.00	SE	2020-12-14	10:06:06	7,500	24.00	SE
2020-12-11	16:31:42	2,500	24.00	SE	2020-12-14	10:08:36	2,500	24.00	SE
2020-12-11	16:32:27	10,000	24.00	SE	2020-12-14	10:09:40	2,500	23.98	SE
2020-12-11	16:35:43	10,000	24.00	SE	2020-12-14	10:12:30	2,500	23.98	SE
2020-12-11	16:39:28	10,000	23.97	SE	2020-12-14	10:12:34	2,500	23.98	SE
2020-12-11	16:42:14	2,500	23.99	SE	2020-12-14	10:12:34	2,500	23.98	SE
2020-12-11	16:42:59	2,500	23.99	SE	2020-12-14	10:14:56	2,500	23.97	SE
2020-12-11	16:44:01	10,000	23.99	SE	2020-12-14	10:16:01	7,500	23.97	SE
2020-12-11	16:47:00	10,000	23.98	SE	2020-12-14	10:19:10	2,500	23.99	SE
2020-12-11	16:50:00	2,500	23.97	SE	2020-12-14	10:19:21	7,500	23.99	SE
2020-12-11	16:50:45	2,500	23.97	SE	2020-12-14	10:24:55	10,000	23.99	SE
2020-12-11	16:53:10	2,500	23.95	SE	2020-12-14	10:29:09	10,000	23.99	SE
2020-12-11	16:53:11	2,500	23.95	SE	2020-12-14	10:33:55	2,500	23.96	SE
2020-12-11	16:53:31	10,000	23.96	SE	2020-12-14	10:34:44	10,000	23.96	SE
2020-12-11	16:57:55	10,000	23.98	SE	2020-12-14	10:44:15	2,500	24.01	SE
2020-12-11	16:58:48	2,500	23.98	SE	2020-12-14	10:44:15	2,500	24.01	SE
2020-12-11	17:00:17	10,000	23.99	SE	2020-12-14	10:44:15	2,500	24.00	SE
2020-12-11	17:02:40	10,000	24.00	SE	2020-12-14	10:44:19	2,500	24.01	SE
2020-12-11	17:05:24	10,000	23.99	SE	2020-12-14	10:45:22	2,500	24.02	SE
2020-12-11	17:07:55	10,000	24.00	SE	2020-12-14	10:46:43	10,000	24.02	SE
2020-12-11	17:12:35	10,000	23.98	SE	2020-12-14	10:51:20	10,000	24.02	SE
2020-12-14	09:30:41	2,500	23.95	SE	2020-12-14	10:59:08	2,500	24.02	SE
2020-12-14	09:30:41	2,500	23.95	SE	2020-12-14	10:59:09	2,500	24.02	SE
2020-12-14	09:30:46	5,000	23.95	SE	2020-12-14	11:00:22	2,500	24.02	SE
2020-12-14	09:32:44	2,500	23.94	SE	2020-12-14	11:00:55	2,500	24.02	SE
2020-12-14	09:33:28	2,500	23.94	SE	2020-12-14	11:02:46	2,500	24.01	SE
2020-12-14	09:34:13	2,500	23.94	SE	2020-12-14	11:06:17	2,500	24.01	SE
2020-12-14	09:36:08	2,500	23.93	SE	2020-12-14	11:06:17	2,500	24.01	SE

2020-12-14	11:08:25	2,500	24.00	SE	2020-12-14	15:08:36	2,500	24.04	SE
2020-12-14	11:08:25	2,500	24.00	SE	2020-12-14	15:08:38	2,500	24.04	SE
2020-12-14	11:10:20	2,500	24.01	SE	2020-12-14	15:08:38	2,500	24.04	SE
2020-12-14	11:11:17	2,500	24.01	SE	2020-12-14	15:08:41	10,000	24.04	SE
2020-12-14	11:12:47	2,500	24.01	SE	2020-12-14	15:09:04	2,500	24.04	SE
2020-12-14	11:14:29	2,500	24.00	SE	2020-12-14	15:09:04	2,500	24.04	SE
2020-12-14	11:18:42	2,500	24.01	SE	2020-12-14	15:09:10	2,500	24.04	SE
2020-12-14	11:18:42	2,500	24.01	SE	2020-12-14	15:09:10	5,000	24.04	SE
2020-12-14	11:18:43	2,500	24.01	SE	2020-12-14	15:09:10	5,000	24.04	SE
2020-12-14	11:19:40	10,000	24.01	SE	2020-12-14	15:09:11	2,500	24.04	SE
2020-12-14	11:26:05	2,500	24.04	SE	2020-12-14	15:12:15	2,500	24.04	SE
2020-12-14	11:27:06	2,500	24.04	SE	2020-12-14	15:12:15	2,500	24.04	SE
2020-12-14	11:27:41	2,500	24.04	SE	2020-12-14	15:12:16	2,500	24.04	SE
2020-12-14	11:30:37	2,500	24.04	SE	2020-12-14	15:12:18	2,500	24.04	SE
2020-12-14	11:30:50	2,500	24.04	SE	2020-12-14	15:12:18	7,500	24.04	SE
2020-12-14	11:37:21	2,500	24.04	SE	2020-12-14	15:12:19	2,500	24.04	SE
2020-12-14	11:37:21	2,500	24.04	SE	2020-12-14	15:12:22	5,000	24.04	SE
2020-12-14	11:41:04	5,000	24.04	SE	2020-12-14	15:12:23	5,000	24.04	SE
2020-12-14	14:19:23	10,000	24.04	SE	2020-12-14	15:12:30	2,500	24.04	SE
2020-12-14	14:37:33	2,500	24.04	SE	2020-12-14	15:12:30	2,500	24.04	SE
2020-12-14	14:37:40	2,500	24.04	SE	2020-12-14	15:12:34	2,500	24.04	SE
2020-12-14	14:37:44	2,500	24.04	SE	2020-12-14	15:12:34	2,500	24.04	SE
2020-12-14	14:37:56	2,500	24.04	SE	2020-12-14	15:12:35	10,000	24.04	SE
2020-12-14	14:47:38	7,500	24.04	SE	2020-12-14	15:12:45	2,500	24.04	SE
2020-12-14	14:55:47	2,500	24.04	SE	2020-12-14	15:12:45	2,500	24.04	SE
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2020-12-14	14:55:53	2,500	24.04	SE	2020-12-14	15:12:51	2,500	24.04	SE
2020-12-14	14:55:54	2,500	24.04	SE	2020-12-14	15:12:54	2,500	24.04	SE
2020-12-14	15:03:08	2,500	24.04	SE	2020-12-14	15:12:55	2,500	24.04	SE
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2020-12-14	15:03:10	5,000	24.04	SE	2020-12-14	15:12:57	2,500	24.04	SE
2020-12-14	15:03:13	2,500	24.04	SE	2020-12-14	15:12:57	2,500	24.04	SE
2020-12-14	15:05:11	2,500	24.04	SE	2020-12-14	15:12:58	2,500	24.04	SE
2020-12-14	15:05:11	2,500	24.04	SE	2020-12-14	15:12:58	2,500	24.04	SE
2020-12-14	15:05:12	2,500	24.04	SE	2020-12-14	15:12:59	7,500	24.04	SE
2020-12-14	15:05:12	2,500	24.04	SE	2020-12-14	15:12:59	2,500	24.04	SE
2020-12-14	15:05:13	2,500	24.04	SE	2020-12-14	15:12:59	2,500	24.04	SE
2020-12-14	15:05:13	7,500	24.04	SE	2020-12-14	15:13:00	2,500	24.04	SE
2020-12-14	15:05:15	2,500	24.04	SE	2020-12-14	15:14:37	2,500	24.04	SE
2020-12-14	15:05:34	2,500	24.04	SE	2020-12-14	15:14:38	2,500	24.04	SE
2020-12-14	15:05:34	2,500	24.04	SE	2020-12-14	15:14:40	10,000	24.04	SE
2020-12-14	15:05:37	10,000	24.04	SE	2020-12-14	15:14:41	2,500	24.04	SE
2020-12-14	15:05:38	2,500	24.04	SE	2020-12-14	15:15:13	2,500	24.04	SE
2020-12-14	15:05:38	2,500	24.04	SE	2020-12-14	15:15:16	5,000	24.04	SE
2020-12-14	15:08:34	2,500	24.04	SE	2020-12-14	15:15:16	5,000	24.04	SE
2020-12-14	15:08:34	2,500	24.04	SE	2020-12-14	15:15:17	2,500	24.04	SE
2020-12-14	15:08:35	7,500	24.04	SE	2020-12-14	15:15:21	10,000	24.04	SE

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2020-12-14	15:20:20	2,500	24.04	SE	2020-12-14	16:20:21	2,500	23.99	SE
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2020-12-14	15:20:21	2,500	24.04	SE	2020-12-14	16:24:06	2,500	23.99	SE
2020-12-14	15:20:22	10,000	24.04	SE	2020-12-14	16:24:43	2,500	23.99	SE
2020-12-14	15:20:24	2,500	24.04	SE	2020-12-14	16:25:35	10,000	24.00	SE
2020-12-14	15:21:41	2,500	24.02	SE	2020-12-14	16:28:52	10,000	24.00	SE
2020-12-14	15:21:41	2,500	24.02	SE	2020-12-14	16:31:52	10,000	24.00	SE
2020-12-14	15:23:03	2,500	23.99	SE	2020-12-14	16:35:32	2,500	24.04	SE
2020-12-14	15:24:24	10,000	23.97	SE	2020-12-14	16:35:33	10,000	24.03	SE
2020-12-14	15:30:01	2,500	23.98	SE	2020-12-14	16:38:59	10,000	24.01	SE
2020-12-14	15:30:47	2,500	23.98	SE	2020-12-14	16:42:10	2,500	24.03	SE
2020-12-14	15:32:26	2,500	24.00	SE	2020-12-14	16:43:58	2,500	24.02	SE
2020-12-14	15:32:26	2,500	24.00	SE	2020-12-14	16:43:58	2,500	24.02	SE
2020-12-14	15:32:40	5,000	24.00	SE	2020-12-14	16:45:35	2,500	24.01	SE
2020-12-14	15:33:13	2,500	23.99	SE	2020-12-14	16:45:39	2,500	24.01	SE
2020-12-14	15:34:12	10,000	23.99	SE	2020-12-14	16:46:33	10,000	24.00	SE
2020-12-14	15:36:17	2,500	23.98	SE	2020-12-14	16:48:57	2,500	24.00	SE
2020-12-14	15:37:41	2,500	23.99	SE	2020-12-14	16:49:42	2,500	24.00	SE
2020-12-14	15:37:41	2,500	23.99	SE	2020-12-14	16:50:31	2,500	23.98	SE
2020-12-14	15:39:07	2,500	24.00	SE	2020-12-14	16:50:31	2,500	23.98	SE
2020-12-14	15:39:08	2,500	24.00	SE	2020-12-14	16:51:58	2,500	23.98	SE
2020-12-14	15:39:48	2,500	24.00	SE	2020-12-14	16:52:44	2,500	23.98	SE
2020-12-14	15:39:56	10,000	24.00	SE	2020-12-14	16:53:29	2,500	24.00	SE
2020-12-14	15:42:35	5,000	23.98	SE	2020-12-14	16:54:14	2,500	24.00	SE
2020-12-14	15:45:17	2,500	24.01	SE	2020-12-14	16:54:59	2,500	24.00	SE
2020-12-14	15:45:58	2,500	24.01	SE	2020-12-14	16:55:44	2,500	24.00	SE
2020-12-14	15:46:04	10,000	23.99	SE	2020-12-14	16:57:57	2,500	24.00	SE
2020-12-14	15:50:05	10,000	24.00	SE	2020-12-14	16:57:57	2,500	24.00	SE
2020-12-14	15:53:15	2,500	24.00	SE	2020-12-14	16:58:01	5,000	24.00	SE
2020-12-14	15:54:10	10,000	23.98	SE	2020-12-14	17:00:15	10,000	23.97	SE
2020-12-14	15:57:31	2,500	23.98	SE	2020-12-14	17:01:58	10,000	23.94	SE
2020-12-14	15:57:31	2,500	23.98	SE	2020-12-14	17:06:12	10,000	23.95	SE
2020-12-14	15:58:12	10,000	23.95	SE	2020-12-14	17:08:16	10,000	23.95	SE
2020-12-14	16:02:49	2,500	23.96	SE	2020-12-14	17:10:06	10,000	23.92	SE
2020-12-14	16:02:50	7,500	23.96	SE	2020-12-14	17:11:34	5,000	23.92	SE
2020-12-14	16:04:31	2,500	23.96	SE	2020-12-14	17:13:53	10,000	23.95	SE
2020-12-14	16:04:31	2,500	23.96	SE	2020-12-14	17:17:37	10,000	23.97	SE
2020-12-14	16:08:06	2,500	23.97	SE	2020-12-15	09:16:35	2,500	23.83	SE
2020-12-14	16:08:07	2,500	23.97	SE	2020-12-15	09:16:35	2,500	23.83	SE
2020-12-14	16:08:08	2,500	23.97	SE	2020-12-15	09:17:33	2,500	23.86	SE
2020-12-14	16:09:12	2,500	23.98	SE	2020-12-15	09:19:19	2,500	23.86	SE
2020-12-14	16:09:12	2,500	23.98	SE	2020-12-15	09:19:58	2,500	23.88	SE
2020-12-14	16:10:12	10,000	23.97	SE	2020-12-15	09:20:05	2,500	23.90	SE
2020-12-14	16:17:29	2,500	23.99	SE	2020-12-15	09:20:21	2,500	23.92	SE
2020-12-14	16:17:33	2,500	23.99	SE	2020-12-15	09:21:48	2,500	23.92	SE
2020-12-14	16:17:33	2,500	23.99	SE	2020-12-15	09:21:48	2,500	23.92	SE
2020-12-14	16:17:33	7,500	23.99	SE	2020-12-15	09:23:15	2,500	23.90	SE
2020-12-14	16:18:40	2,500	24.01	SE	2020-12-15	09:23:15	2,500	23.90	SE

2020-12-15	09:24:03	2,500	23.90	SE	2020-12-15	12:45:00	2,500	23.91	SE
2020-12-15	09:25:25	2,500	23.91	SE	2020-12-15	12:45:00	2,500	23.91	SE
2020-12-15	09:26:44	2,500	23.93	SE	2020-12-15	12:51:03	2,500	23.89	SE
2020-12-15	09:26:45	2,500	23.93	SE	2020-12-15	12:51:03	2,500	23.89	SE
2020-12-15	09:27:59	2,500	23.95	SE	2020-12-15	12:52:27	2,500	23.89	SE
2020-12-15	09:28:04	2,500	23.95	SE	2020-12-15	12:54:47	2,500	23.90	SE
2020-12-15	09:29:06	5,000	23.95	SE	2020-12-15	12:54:47	2,500	23.90	SE
2020-12-15	09:30:14	2,500	23.99	SE	2020-12-15	12:56:37	2,500	23.90	SE
2020-12-15	09:30:14	2,500	23.99	SE	2020-12-15	12:59:00	2,500	23.89	SE
2020-12-15	09:30:39	2,500	23.99	SE	2020-12-15	13:01:47	2,500	23.90	SE
2020-12-15	09:32:35	10,000	24.01	SE	2020-12-15	13:01:47	2,500	23.90	SE
2020-12-15	09:34:03	2,500	23.98	SE	2020-12-15	13:04:32	2,500	23.91	SE
2020-12-15	09:36:34	2,500	23.98	SE	2020-12-15	13:04:36	7,500	23.91	SE
2020-12-15	09:36:47	5,000	23.98	SE	2020-12-15	13:11:08	10,000	23.92	SE
2020-12-15	09:38:23	2,500	24.00	SE	2020-12-15	13:19:25	10,000	23.94	SE
2020-12-15	09:39:00	7,500	24.00	SE	2020-12-15	13:28:12	10,000	23.92	SE
2020-12-15	09:40:10	2,500	24.00	SE	2020-12-15	13:35:34	2,500	23.94	SE
2020-12-15	09:40:43	2,500	23.98	SE	2020-12-15	13:43:51	2,500	23.92	SE
2020-12-15	09:42:18	2,500	23.99	SE	2020-12-15	13:43:51	2,500	23.92	SE
2020-12-15	09:42:18	2,500	23.99	SE	2020-12-15	13:44:06	5,000	23.92	SE
2020-12-15	09:43:26	2,500	24.00	SE	2020-12-15	13:44:06	5,000	23.92	SE
2020-12-15	09:44:12	2,500	24.00	SE	2020-12-15	13:49:13	2,500	23.90	SE
2020-12-15	09:44:44	2,500	24.00	SE	2020-12-15	13:50:36	10,000	23.88	SE
2020-12-15	09:46:39	2,500	24.00	SE	2020-12-15	14:00:35	10,000	23.92	SE
2020-12-15	09:46:48	7,500	24.00	SE	2020-12-15	14:05:38	10,000	23.91	SE
2020-12-15	09:49:20	2,500	23.98	SE	2020-12-15	14:11:10	2,500	23.92	SE
2020-12-15	09:50:31	2,500	23.98	SE	2020-12-15	14:12:38	2,500	23.92	SE
2020-12-15	09:51:14	10,000	24.01	SE	2020-12-15	14:15:23	10,000	23.91	SE
2020-12-15	11:31:15	2,500	23.93	SE	2020-12-15	14:21:30	10,000	23.93	SE
2020-12-15	11:32:56	2,500	23.94	SE	2020-12-15	14:31:55	2,500	23.92	SE
2020-12-15	11:32:57	10,000	23.92	SE	2020-12-15	14:32:24	7,500	23.92	SE
2020-12-15	11:44:45	2,500	23.93	SE	2020-12-15	14:33:43	10,000	23.93	SE
2020-12-15	11:44:46	2,500	23.93	SE	2020-12-15	14:45:28	2,500	23.94	SE
2020-12-15	11:44:52	2,500	23.94	SE	2020-12-15	14:45:28	2,500	23.94	SE
2020-12-15	11:44:52	2,500	23.93	SE	2020-12-15	14:45:28	10,000	23.93	SE
2020-12-15	11:45:51	10,000	23.94	SE	2020-12-15	14:45:29	2,500	23.94	SE
2020-12-15	11:50:49	10,000	23.94	SE	2020-12-15	14:48:15	2,500	23.95	SE
2020-12-15	12:00:11	10,000	23.94	SE	2020-12-15	14:53:16	2,500	23.95	SE
2020-12-15	12:07:36	10,000	23.94	SE	2020-12-15	14:53:16	2,500	23.95	SE
2020-12-15	12:12:32	2,500	23.94	SE	2020-12-15	14:53:17	2,500	23.95	SE
2020-12-15	12:13:17	10,000	23.92	SE	2020-12-15	14:53:48	2,500	23.96	SE
2020-12-15	12:22:06	2,500	23.93	SE	2020-12-15	14:54:59	10,000	23.96	SE
2020-12-15	12:22:50	2,500	23.93	SE	2020-12-15	15:13:13	2,500	23.96	SE
2020-12-15	12:25:14	2,500	23.93	SE	2020-12-15	15:13:13	2,500	23.96	SE
2020-12-15	12:27:55	2,500	23.92	SE	2020-12-15	15:13:13	10,000	23.95	SE
2020-12-15	12:29:47	2,500	23.91	SE	2020-12-15	15:13:14	2,500	23.96	SE
2020-12-15	12:32:51	2,500	23.90	SE	2020-12-15	15:13:14	2,500	23.96	SE
2020-12-15	12:32:51	2,500	23.90	SE	2020-12-15	15:13:16	2,500	23.96	SE
2020-12-15	12:36:20	10,000	23.88	SE	2020-12-15	15:13:17	2,500	23.96	SE

2020-12-15	15:17:28	2,500	23.95	SE	2020-12-15	16:23:41	2,500	23.93	SE
2020-12-15	15:17:28	2,500	23.95	SE	2020-12-15	16:24:19	10,000	23.93	SE
2020-12-15	15:17:29	2,500	23.95	SE	2020-12-15	16:28:02	2,500	23.90	SE
2020-12-15	15:18:55	2,500	23.96	SE	2020-12-15	16:28:02	2,500	23.90	SE
2020-12-15	15:18:57	7,500	23.96	SE	2020-12-15	16:31:09	2,500	23.91	SE
2020-12-15	15:24:00	2,500	23.94	SE	2020-12-15	16:31:09	2,500	23.91	SE
2020-12-15	15:26:15	2,500	23.95	SE	2020-12-15	16:31:10	2,500	23.91	SE
2020-12-15	15:26:15	2,500	23.95	SE	2020-12-15	16:31:27	2,500	23.90	SE
2020-12-15	15:27:16	2,500	23.92	SE	2020-12-15	16:31:44	10,000	23.88	SE
2020-12-15	15:28:52	4,000	23.92	SE	2020-12-15	16:35:13	2,500	23.94	SE
2020-12-15	15:30:35	10,000	23.93	SE	2020-12-15	16:37:31	2,500	23.96	SE
2020-12-15	15:32:55	10,000	23.93	SE	2020-12-15	16:37:35	2,500	23.96	SE
2020-12-15	15:34:27	10,000	23.94	SE	2020-12-15	16:37:36	2,500	23.96	SE
2020-12-15	15:41:13	2,500	23.96	SE	2020-12-15	16:38:52	2,500	23.94	SE
2020-12-15	15:41:13	2,500	23.96	SE	2020-12-15	16:39:08	2,500	23.94	SE
2020-12-15	15:41:13	10,000	23.95	SE	2020-12-15	16:42:01	10,000	23.94	SE
2020-12-15	15:43:53	2,500	23.95	SE	2020-12-15	16:42:35	10,000	23.94	SE
2020-12-15	15:43:54	7,500	23.95	SE	2020-12-15	16:46:51	10,000	23.95	SE
2020-12-15	15:44:52	2,500	23.96	SE	2020-12-15	16:57:27	10,000	23.95	SE
2020-12-15	15:45:38	2,500	23.96	SE	2020-12-15	16:57:28	2,500	23.96	SE
2020-12-15	15:45:56	2,500	23.96	SE	2020-12-15	16:57:28	2,500	23.96	SE
2020-12-15	15:48:17	2,500	23.92	SE	2020-12-15	16:57:31	2,500	23.96	SE
2020-12-15	15:48:23	2,500	23.92	SE	2020-12-15	16:57:35	10,000	23.96	SE
2020-12-15	15:48:25	10,000	23.92	SE	2020-12-16	09:16:20	2,500	24.18	SE
2020-12-15	15:52:00	2,500	23.91	SE	2020-12-16	09:17:24	2,500	24.20	SE
2020-12-15	15:54:10	2,500	23.92	SE	2020-12-16	09:19:23	2,500	24.21	SE
2020-12-15	15:54:11	2,500	23.92	SE	2020-12-16	09:21:00	2,500	24.22	SE
2020-12-15	15:54:14	2,500	23.92	SE	2020-12-16	09:23:42	2,500	24.17	SE
2020-12-15	15:55:13	2,500	23.92	SE	2020-12-16	09:23:43	2,500	24.17	SE
2020-12-15	15:56:26	2,500	23.90	SE	2020-12-16	09:25:06	2,500	24.15	SE
2020-12-15	15:56:27	2,500	23.90	SE	2020-12-16	09:28:31	10,000	24.17	SE
2020-12-15	15:57:47	2,500	23.89	SE	2020-12-16	09:36:51	2,500	24.15	SE
2020-12-15	15:58:12	2,500	23.89	SE	2020-12-16	09:38:18	10,000	24.16	SE
2020-12-15	15:59:10	10,000	23.89	SE	2020-12-16	09:45:27	2,500	24.07	SE
2020-12-15	16:01:58	2,500	23.92	SE	2020-12-16	09:47:07	10,000	24.07	SE
2020-12-15	16:02:15	10,000	23.92	SE	2020-12-16	09:57:13	10,000	24.07	SE
2020-12-15	16:05:40	2,500	23.89	SE	2020-12-16	10:06:53	2,500	24.04	SE
2020-12-15	16:06:31	2,500	23.91	SE	2020-12-16	10:07:01	10,000	24.02	SE
2020-12-15	16:07:29	2,500	23.92	SE	2020-12-16	10:17:43	10,000	23.99	SE
2020-12-15	16:08:16	2,500	23.91	SE	2020-12-16	10:28:06	2,500	23.97	SE
2020-12-15	16:08:40	2,500	23.91	SE	2020-12-16	10:28:49	10,000	23.96	SE
2020-12-15	16:09:46	10,000	23.90	SE	2020-12-16	10:33:55	10,000	23.98	SE
2020-12-15	16:13:32	10,000	23.92	SE	2020-12-16	10:38:24	10,000	23.99	SE
2020-12-15	16:16:34	2,500	23.92	SE	2020-12-16	10:44:07	2,500	23.98	SE
2020-12-15	16:16:51	10,000	23.92	SE	2020-12-16	10:47:09	7,500	23.98	SE
2020-12-15	16:22:44	2,500	23.93	SE	2020-12-16	10:48:10	7,500	23.99	SE
2020-12-15	16:22:48	2,500	23.93	SE	2020-12-16	10:56:37	10,000	23.97	SE
2020-12-15	16:22:51	2,500	23.93	SE	2020-12-16	10:56:38	10,000	23.97	SE
2020-12-15	16:22:53	2,500	23.93	SE	2020-12-16	11:02:11	2,500	23.97	SE

2020-12-16	11:03:05	10,000	23.95	SE	2020-12-16	13:01:26	10,000	23.92	SE
2020-12-16	11:09:45	2,500	23.97	SE	2020-12-16	13:10:05	10,000	23.93	SE
2020-12-16	11:09:46	2,500	23.97	SE	2020-12-16	13:24:12	2,500	23.94	SE
2020-12-16	11:11:17	2,500	23.96	SE	2020-12-16	13:24:13	2,500	23.94	SE
2020-12-16	11:12:44	5,000	23.95	SE	2020-12-16	13:24:20	2,500	23.94	SE
2020-12-16	11:16:40	2,500	23.97	SE	2020-12-16	13:25:45	2,500	23.94	SE
2020-12-16	11:16:40	2,500	23.97	SE	2020-12-16	13:26:05	2,500	23.94	SE
2020-12-16	11:19:01	2,500	23.96	SE	2020-12-16	13:26:05	2,500	23.94	SE
2020-12-16	11:20:48	2,500	23.96	SE	2020-12-16	13:32:41	2,500	23.93	SE
2020-12-16	11:20:57	2,500	23.96	SE	2020-12-16	13:32:42	2,500	23.93	SE
2020-12-16	11:22:10	10,000	23.96	SE	2020-12-16	13:33:03	2,500	23.93	SE
2020-12-16	11:28:19	2,500	23.98	SE	2020-12-16	13:35:02	10,000	23.94	SE
2020-12-16	11:28:19	2,500	23.98	SE	2020-12-16	13:46:12	2,500	23.92	SE
2020-12-16	11:28:38	10,000	23.96	SE	2020-12-16	13:46:17	2,500	23.92	SE
2020-12-16	11:35:17	2,500	23.97	SE	2020-12-16	13:46:18	5,000	23.92	SE
2020-12-16	11:37:05	2,500	23.98	SE	2020-12-16	13:50:00	5,000	23.92	SE
2020-12-16	11:38:39	2,500	23.97	SE	2020-12-16	13:52:37	2,500	23.93	SE
2020-12-16	11:40:14	2,500	23.96	SE	2020-12-16	13:58:13	10,000	23.94	SE
2020-12-16	11:41:58	2,500	23.97	SE	2020-12-16	14:00:07	2,000	23.94	SE
2020-12-16	11:42:59	2,500	23.97	SE	2020-12-16	14:02:23	2,500	23.94	SE
2020-12-16	11:46:41	10,000	23.97	SE	2020-12-16	14:04:40	2,000	23.93	SE
2020-12-16	11:49:50	2,500	23.98	SE	2020-12-16	14:06:12	2,500	23.93	SE
2020-12-16	11:51:18	10,000	23.96	SE	2020-12-16	14:06:13	2,500	23.93	SE
2020-12-16	11:59:53	10,000	23.98	SE	2020-12-16	14:08:25	2,500	23.92	SE
2020-12-16	12:04:02	2,500	23.98	SE	2020-12-16	14:14:35	2,500	23.94	SE
2020-12-16	12:06:29	2,500	23.99	SE	2020-12-16	14:14:35	2,000	23.94	SE
2020-12-16	12:06:29	2,500	23.99	SE	2020-12-16	14:14:35	4,000	23.93	SE
2020-12-16	12:09:24	2,500	24.01	SE	2020-12-16	14:15:41	2,500	23.97	SE
2020-12-16	12:09:24	2,500	24.01	SE	2020-12-16	14:17:52	2,500	23.96	SE
2020-12-16	12:12:06	2,500	24.01	SE	2020-12-16	14:19:07	2,500	23.96	SE
2020-12-16	12:13:31	10,000	24.00	SE	2020-12-16	14:20:51	10,000	23.97	SE
2020-12-16	12:20:27	2,500	23.99	SE	2020-12-16	14:26:17	10,000	23.93	SE
2020-12-16	12:30:19	2,500	23.97	SE	2020-12-16	14:31:52	2,500	23.90	SE
2020-12-16	12:30:19	2,500	23.97	SE	2020-12-16	14:32:52	10,000	23.90	SE
2020-12-16	12:32:58	2,500	23.98	SE	2020-12-16	14:38:36	2,500	23.93	SE
2020-12-16	12:32:58	5,000	23.97	SE	2020-12-16	14:38:45	2,500	23.93	SE
2020-12-16	12:32:59	2,500	23.98	SE	2020-12-16	14:40:00	2,500	23.93	SE
2020-12-16	12:33:02	2,500	23.98	SE	2020-12-16	14:41:10	10,000	23.92	SE
2020-12-16	12:39:05	2,500	23.97	SE	2020-12-16	14:46:00	2,500	23.89	SE
2020-12-16	12:39:05	2,500	23.97	SE	2020-12-16	14:47:47	2,500	23.90	SE
2020-12-16	12:39:06	2,500	23.97	SE	2020-12-16	14:49:46	2,500	23.89	SE
2020-12-16	12:41:37	2,500	23.94	SE	2020-12-16	14:50:52	10,000	23.90	SE
2020-12-16	12:42:42	10,000	23.93	SE	2020-12-16	14:57:07	10,000	23.91	SE
2020-12-16	12:54:34	2,500	23.94	SE	2020-12-16	15:02:43	10,000	23.93	SE
2020-12-16	12:54:34	2,500	23.94	SE	2020-12-16	15:07:31	10,000	23.94	SE
2020-12-16	12:56:03	5,000	23.94	SE	2020-12-16	15:12:08	2,500	23.94	SE
2020-12-16	13:00:34	2,500	23.94	SE	2020-12-16	15:12:13	2,500	23.94	SE
2020-12-16	13:00:35	2,500	23.94	SE	2020-12-16	15:15:40	2,500	23.93	SE
2020-12-16	13:01:16	2,500	23.94	SE	2020-12-16	15:15:45	5,000	23.93	SE

2020-12-16	15:15:45	2,500	23.93	SE	2020-12-16	16:17:58	2,500	23.84	SE
2020-12-16	15:18:23	5,000	23.93	SE	2020-12-16	16:18:04	2,500	23.84	SE
2020-12-16	15:21:24	10,000	23.94	SE	2020-12-16	16:19:03	2,500	23.84	SE
2020-12-16	15:27:34	2,500	23.93	SE	2020-12-16	16:19:42	2,500	23.85	SE
2020-12-16	15:29:23	10,000	23.93	SE	2020-12-16	16:20:26	2,500	23.85	SE
2020-12-16	15:31:49	10,000	23.95	SE	2020-12-16	16:21:26	2,500	23.83	SE
2020-12-16	15:33:12	10,000	23.95	SE	2020-12-16	16:22:27	2,500	23.84	SE
2020-12-16	15:36:31	2,500	23.95	SE	2020-12-16	16:24:10	2,500	23.86	SE
2020-12-16	15:36:32	2,500	23.95	SE	2020-12-16	16:24:15	10,000	23.88	SE
2020-12-16	15:36:32	2,500	23.95	SE	2020-12-16	16:26:49	2,500	23.86	SE
2020-12-16	15:37:27	2,500	23.93	SE	2020-12-16	16:26:49	2,500	23.86	SE
2020-12-16	15:37:58	2,500	23.93	SE	2020-12-16	16:27:43	10,000	23.86	SE
2020-12-16	15:39:06	2,500	23.92	SE	2020-12-16	16:30:46	10,000	23.86	SE
2020-12-16	15:39:06	2,500	23.92	SE	2020-12-16	16:33:44	2,500	23.84	SE
2020-12-16	15:39:59	2,500	23.92	SE	2020-12-16	16:34:30	2,500	23.84	SE
2020-12-16	15:41:03	2,500	23.92	SE	2020-12-16	16:34:30	2,500	23.84	SE
2020-12-16	15:41:28	2,500	23.90	SE	2020-12-16	16:36:00	2,500	23.83	SE
2020-12-16	15:42:14	10,000	23.89	SE	2020-12-16	16:36:45	10,000	23.84	SE
2020-12-16	15:45:59	2,500	23.91	SE	2020-12-16	16:40:32	2,500	23.82	SE
2020-12-16	15:45:59	2,500	23.91	SE	2020-12-16	16:40:32	2,500	23.82	SE
2020-12-16	15:47:21	2,500	23.90	SE	2020-12-16	16:42:36	2,500	23.82	SE
2020-12-16	15:47:24	2,500	23.90	SE	2020-12-16	16:42:36	2,500	23.82	SE
2020-12-16	15:48:14	2,500	23.88	SE	2020-12-16	16:42:53	2,500	23.82	SE
2020-12-16	15:48:40	2,500	23.85	SE	2020-12-16	16:43:17	2,500	23.82	SE
2020-12-16	15:49:46	2,500	23.86	SE	2020-12-16	16:44:03	2,500	23.82	SE
2020-12-16	15:50:27	10,000	23.86	SE	2020-12-16	16:44:53	7,500	23.82	SE
2020-12-16	15:54:00	2,500	23.84	SE	2020-12-16	16:46:48	2,500	23.82	SE
2020-12-16	15:54:03	2,500	23.84	SE	2020-12-16	16:47:39	2,500	23.83	SE
2020-12-16	15:55:39	10,000	23.84	SE	2020-12-16	16:52:13	2,500	23.81	SE
2020-12-16	15:57:53	2,500	23.84	SE	2020-12-16	16:52:13	2,500	23.81	SE
2020-12-16	15:58:48	2,500	23.87	SE	2020-12-16	16:52:14	2,500	23.81	SE
2020-12-16	15:58:48	2,500	23.87	SE	2020-12-16	16:53:46	2,500	23.82	SE
2020-12-16	15:58:49	2,500	23.87	SE	2020-12-16	16:53:46	2,500	23.82	SE
2020-12-16	16:01:06	2,500	23.89	SE	2020-12-16	16:53:46	10,000	23.81	SE
2020-12-16	16:02:30	2,500	23.89	SE	2020-12-16	16:53:47	2,500	23.82	SE
2020-12-16	16:02:30	2,500	23.89	SE	2020-12-16	16:53:48	2,500	23.83	SE
2020-12-16	16:02:58	2,500	23.88	SE	2020-12-16	16:53:49	10,000	23.83	SE
2020-12-16	16:04:47	2,500	23.86	SE	2020-12-16	16:53:49	2,500	23.83	SE
2020-12-16	16:04:48	2,500	23.86	SE	2020-12-16	16:53:49	2,500	23.83	SE
2020-12-16	16:04:48	2,500	23.86	SE	2020-12-16	16:53:53	2,500	23.83	SE
2020-12-16	16:05:35	2,500	23.88	SE	2020-12-16	16:54:02	2,500	23.83	SE
2020-12-16	16:06:25	10,000	23.88	SE	2020-12-16	16:54:02	7,500	23.83	SE
2020-12-16	16:09:36	2,500	23.88	SE	2020-12-16	16:54:05	2,500	23.83	SE
2020-12-16	16:10:29	2,500	23.86	SE	2020-12-16	16:55:59	2,500	23.85	SE
2020-12-16	16:11:25	2,500	23.85	SE	2020-12-16	16:55:59	2,500	23.85	SE
2020-12-16	16:12:04	2,500	23.84	SE	2020-12-16	16:56:00	2,500	23.85	SE
2020-12-16	16:12:56	10,000	23.84	SE	2020-12-16	16:56:00	2,500	23.85	SE
2020-12-16	16:16:04	2,500	23.84	SE	2020-12-16	16:56:03	2,500	23.85	SE
2020-12-16	16:17:57	2,500	23.84	SE	2020-12-16	16:56:20	2,500	23.86	SE

2020-12-16	16:56:20	2,500	23.86	SE	2020-12-16	17:01:50	2,500	23.90	SE
2020-12-16	16:56:20	5,000	23.85	SE	2020-12-16	17:01:50	2,500	23.90	SE
2020-12-16	16:56:21	2,500	23.86	SE	2020-12-16	17:01:51	2,500	23.90	SE
2020-12-16	16:56:26	5,000	23.86	SE	2020-12-16	17:02:43	2,500	23.91	SE
2020-12-16	16:56:29	5,000	23.86	SE	2020-12-16	17:02:52	2,500	23.91	SE
2020-12-16	16:56:30	2,500	23.87	SE	2020-12-16	17:03:01	2,500	23.92	SE
2020-12-16	16:56:30	2,500	23.87	SE	2020-12-16	17:03:01	2,500	23.92	SE
2020-12-16	16:56:31	2,500	23.87	SE	2020-12-16	17:03:01	5,000	23.91	SE
2020-12-16	16:56:39	10,000	23.87	SE	2020-12-16	17:03:01	5,000	23.91	SE
2020-12-16	16:56:44	2,500	23.88	SE	2020-12-16	17:03:02	2,500	23.92	SE
2020-12-16	16:56:44	2,500	23.88	SE	2020-12-16	17:03:06	5,000	23.92	SE
2020-12-16	16:56:44	10,000	23.87	SE	2020-12-16	17:03:06	5,000	23.92	SE
2020-12-16	16:56:49	5,000	23.88	SE	2020-12-16	17:03:22	2,500	23.92	SE
2020-12-16	16:56:49	5,000	23.88	SE	2020-12-16	17:03:22	2,500	23.92	SE
2020-12-16	16:56:51	2,500	23.88	SE	2020-12-16	17:03:36	2,500	23.93	SE
2020-12-16	16:56:51	2,500	23.88	SE	2020-12-16	17:03:36	2,500	23.93	SE
2020-12-16	16:56:53	2,500	23.88	SE	2020-12-16	17:03:51	2,500	23.93	SE
2020-12-16	16:56:53	7,500	23.88	SE	2020-12-16	17:03:51	2,500	23.93	SE
2020-12-16	16:56:57	7,500	23.88	SE	2020-12-16	17:03:52	2,500	23.93	SE
2020-12-16	16:57:19	2,500	23.88	SE	2020-12-16	17:04:06	2,500	23.93	SE
2020-12-16	16:57:19	2,500	23.88	SE	2020-12-16	17:04:06	2,500	23.93	SE
2020-12-16	16:57:20	2,500	23.88	SE	2020-12-16	17:05:14	10,000	23.93	SE
2020-12-16	16:57:34	2,500	23.88	SE	2020-12-16	17:05:17	10,000	23.94	SE
2020-12-16	16:57:34	2,500	23.88	SE	2020-12-16	17:05:35	10,000	23.94	SE
2020-12-16	16:57:49	2,500	23.88	SE	2020-12-16	17:06:09	10,000	23.96	SE
2020-12-16	16:57:49	2,500	23.88	SE	2020-12-16	17:06:14	10,000	23.96	SE
2020-12-16	16:59:45	2,500	23.88	SE	2020-12-16	17:09:28	10,000	23.93	SE
2020-12-16	16:59:56	2,500	23.88	SE	2020-12-16	17:09:32	10,000	23.94	SE
2020-12-16	17:00:51	2,500	23.88	SE	2020-12-16	17:10:06	10,000	23.96	SE
2020-12-16	17:00:51	7,500	23.88	SE	2020-12-16	17:10:08	10,000	23.95	SE
2020-12-16	17:00:52	2,500	23.88	SE	2020-12-16	17:11:37	2,500	23.96	SE
2020-12-16	17:00:52	2,500	23.88	SE	2020-12-16	17:11:38	2,500	23.96	SE
2020-12-16	17:00:57	10,000	23.88	SE	2020-12-16	17:11:42	2,500	23.96	SE
2020-12-16	17:00:58	2,500	23.88	SE	2020-12-16	17:11:43	2,500	23.97	SE
2020-12-16	17:01:01	2,500	23.89	SE	2020-12-16	17:11:45	2,500	23.97	SE
2020-12-16	17:01:01	2,500	23.89	SE	2020-12-16	17:11:45	7,500	23.97	SE
2020-12-16	17:01:01	2,500	23.88	SE	2020-12-16	17:11:46	2,500	23.97	SE
2020-12-16	17:01:01	7,500	23.88	SE	2020-12-16	17:11:46	2,500	23.97	SE
2020-12-16	17:01:02	2,500	23.89	SE	2020-12-16	17:11:46	2,500	23.97	SE
2020-12-16	17:01:02	2,500	23.89	SE	2020-12-16	17:11:46	7,500	23.97	SE
2020-12-16	17:01:03	2,500	23.89	SE	2020-12-16	17:11:48	2,500	23.97	SE
2020-12-16	17:01:04	2,500	23.89	SE	2020-12-16	17:11:48	2,500	23.97	SE
2020-12-16	17:01:04	2,500	23.89	SE	2020-12-16	17:12:04	2,500	23.98	SE
2020-12-16	17:01:05	5,000	23.89	SE	2020-12-16	17:12:04	5,000	23.97	SE
2020-12-16	17:01:05	5,000	23.89	SE	2020-12-16	17:12:04	5,000	23.97	SE
2020-12-16	17:01:46	2,500	23.90	SE	2020-12-16	17:12:05	2,500	23.97	SE
2020-12-16	17:01:46	5,000	23.89	SE	2020-12-16	17:12:05	7,500	23.99	SE
2020-12-16	17:01:47	2,500	23.90	SE	2020-12-16	17:12:05	2,500	23.99	SE
2020-12-16	17:01:47	2,500	23.90	SE	2020-12-16	17:12:06	2,500	23.97	SE

2020-12-16	17:12:06	7,500	23.98	SE	2020-12-16	17:18:26	2,500	24.00	SE
2020-12-16	17:12:07	2,500	23.97	SE	2020-12-16	17:18:26	2,500	24.00	SE
2020-12-16	17:12:07	7,500	23.98	SE	2020-12-16	17:18:32	2,500	24.00	SE
2020-12-16	17:12:11	2,500	23.98	SE	2020-12-16	17:18:34	2,500	24.00	SE
2020-12-16	17:12:29	2,500	23.98	SE	2020-12-16	17:19:00	2,500	24.00	SE
2020-12-16	17:12:41	2,500	23.98	SE	2020-12-16	17:19:00	2,500	24.00	SE
2020-12-16	17:12:41	2,500	23.98	SE	2020-12-16	17:19:09	2,500	24.00	SE
2020-12-16	17:12:42	2,500	23.97	SE					
2020-12-16	17:12:42	2,500	23.98	SE					
2020-12-16	17:12:43	2,500	23.97	SE					
2020-12-16	17:12:45	2,500	23.97	SE					
2020-12-16	17:12:52	2,500	23.97	SE					
2020-12-16	17:12:53	2,500	23.97	SE					
2020-12-16	17:13:01	2,500	23.97	SE					
2020-12-16	17:14:52	10,000	23.97	SE					
2020-12-16	17:14:56	10,000	23.96	SE					
2020-12-16	17:15:02	10,000	23.96	SE					
2020-12-16	17:16:32	2,500	23.97	SE					
2020-12-16	17:16:35	2,500	23.97	SE					
2020-12-16	17:16:35	7,500	23.97	SE					
2020-12-16	17:16:37	2,500	23.98	SE					
2020-12-16	17:16:37	2,500	23.98	SE					
2020-12-16	17:17:11	2,500	23.97	SE					
2020-12-16	17:17:13	2,500	23.97	SE					
2020-12-16	17:17:19	2,500	23.97	SE					
2020-12-16	17:17:24	2,500	23.97	SE					
2020-12-16	17:17:24	2,500	23.97	SE					
2020-12-16	17:17:25	2,500	23.97	SE					
2020-12-16	17:17:28	2,500	23.97	SE					
2020-12-16	17:17:28	7,500	23.97	SE					
2020-12-16	17:17:28	2,500	23.97	SE					
2020-12-16	17:17:30	2,500	23.97	SE					
2020-12-16	17:17:33	2,500	23.98	SE					
2020-12-16	17:17:33	10,000	23.98	SE					
2020-12-16	17:17:33	2,500	23.97	SE					
2020-12-16	17:17:34	2,500	23.98	SE					
2020-12-16	17:17:34	2,500	23.98	SE					
2020-12-16	17:17:35	2,500	23.98	SE					
2020-12-16	17:17:35	2,500	23.98	SE					
2020-12-16	17:17:36	2,500	23.98	SE					
2020-12-16	17:17:57	2,500	23.99	SE					
2020-12-16	17:17:57	10,000	23.99	SE					
2020-12-16	17:17:57	10,000	23.98	SE					
2020-12-16	17:17:58	2,500	23.99	SE					
2020-12-16	17:18:00	2,500	23.99	SE					
2020-12-16	17:18:22	2,500	24.00	SE					
2020-12-16	17:18:22	10,000	23.99	SE					
2020-12-16	17:18:23	2,500	24.00	SE					
2020-12-16	17:18:25	2,500	24.00	SE					