



Snam: report on the purchase of treasury shares

San Donato Milanese (Milan), 9 November 2018 – Snam, following the announcement on 2 October concerning the resumption of the share buy-back authorized by the Shareholder meeting of 24 April, announces that, in the period from 5 to 8 November, has purchased n. 1,309,391 of its own shares at an average price per share equal to 3.6983 euro, for an aggregate amount of 4,842,483.21 euro.

On the basis of information provided by the intermediary appointed for the repurchase of the shares, the details of the purchases of treasury shares on the MTA (Mercato Telematico Azionario) on a daily basis are reported below:

Date	Number of ordinary shares purchased	Average price (euro)	Consideration (euro)
05/11/2018	399,509	3.6977	1,477,268.88
06/11/2018	909,882	3.6985	3,365,214.33
07/11/2018	0	-	-
08/11/2018	0	-	-

Since the start of the purchase plan Snam acquired 63,538,163 own shares (equal to 1.83% of the share capital), for an aggregate amount of 230,762,617.43 euro.

Following the purchases, and taking into consideration the treasury shares already held, as of 8 November 2018 Snam holds 154,460,788 shares equal to 4.45% of the share capital.

The details of the daily transactions are reported below.



TRANSACTION			
DETAIL			
TRANSACTION DATE (dd/mm/yy)	TIME (London)	AMOUNT	PRICE
5/11/18	08:00:44	755	3.68
5/11/18	08:00:50	596	3.68
5/11/18	08:01:56	1,082	3.68
5/11/18	08:01:58	1,082	3.68
5/11/18	08:02:49	1,011	3.69
5/11/18	08:02:49	620	3.69
5/11/18	08:03:48	1,669	3.69
5/11/18	08:04:30	1,081	3.68
5/11/18	08:04:30	1,216	3.68
5/11/18	08:05:27	1,081	3.68
5/11/18	08:06:00	1,081	3.68
5/11/18	08:06:09	1,101	3.68
5/11/18	08:07:54	1,080	3.69
5/11/18	08:08:05	1,080	3.69
5/11/18	08:08:48	1,191	3.68
5/11/18	08:08:58	1,081	3.68
5/11/18	08:09:11	1,081	3.68
5/11/18	08:09:11	1,586	3.68
5/11/18	08:10:43	1,682	3.68
5/11/18	08:10:53	1,081	3.68
5/11/18	08:13:33	1,080	3.70
5/11/18	08:13:33	1,278	3.70
5/11/18	08:13:33	485	3.70
5/11/18	08:16:14	1,410	3.69
5/11/18	08:16:17	1,081	3.69
5/11/18	08:16:17	1,080	3.69
5/11/18	08:16:23	1,080	3.69
5/11/18	08:18:25	1,335	3.69
5/11/18	08:19:30	1,415	3.69
5/11/18	08:20:55	1,121	3.68



5/11/18	08:21:05	1,879	3.68
5/11/18	08:21:45	1,137	3.68
5/11/18	08:22:37	1,445	3.68
5/11/18	08:22:37	1,296	3.68
5/11/18	08:24:28	1,376	3.68
5/11/18	08:27:46	1,162	3.69
5/11/18	08:30:18	1,080	3.69
5/11/18	08:30:24	1,080	3.70
5/11/18	08:30:35	650	3.70
5/11/18	08:30:48	1,075	3.70
5/11/18	08:31:01	1,700	3.70
5/11/18	08:31:41	1,756	3.70
5/11/18	08:33:31	1,327	3.69
5/11/18	08:37:09	1,080	3.70
5/11/18	08:40:57	1,483	3.70
5/11/18	08:42:42	692	3.70
5/11/18	08:42:42	388	3.70
5/11/18	08:44:08	2,116	3.70
5/11/18	08:44:27	1,080	3.70
5/11/18	08:46:34	1,341	3.69
5/11/18	08:47:44	1,337	3.69
5/11/18	08:49:24	300	3.69
5/11/18	08:49:24	1,000	3.69
5/11/18	08:52:41	1,379	3.69
5/11/18	08:54:36	835	3.69
5/11/18	08:54:36	565	3.69
5/11/18	08:56:42	1,302	3.69
5/11/18	08:59:13	1,344	3.69
5/11/18	09:06:03	1,359	3.69
5/11/18	09:06:03	1,080	3.69
5/11/18	09:09:24	1,496	3.69
5/11/18	09:09:24	705	3.69
5/11/18	09:11:06	1,350	3.69
5/11/18	09:13:12	492	3.69
5/11/18	09:13:12	808	3.69
5/11/18	09:15:00	1,358	3.69
5/11/18	09:23:12	1,080	3.69
5/11/18	09:23:12	1,143	3.69



5/11/18	09:23:34	419	3.69
5/11/18	09:23:34	661	3.69
5/11/18	09:24:07	1,544	3.69
5/11/18	09:24:07	33	3.69
5/11/18	09:28:02	1,338	3.69
5/11/18	09:35:30	1,474	3.70
5/11/18	09:37:23	1,812	3.70
5/11/18	09:37:50	2,863	3.70
5/11/18	09:40:16	1,335	3.70
5/11/18	09:41:11	1,332	3.70
5/11/18	09:43:58	1,641	3.69
5/11/18	09:51:51	1,000	3.70
5/11/18	09:51:55	431	3.70
5/11/18	09:52:04	1,517	3.70
5/11/18	09:56:29	1,081	3.70
5/11/18	09:57:54	1,310	3.70
5/11/18	09:58:13	1,000	3.70
5/11/18	09:58:24	179	3.70
5/11/18	10:00:58	1,571	3.70
5/11/18	10:08:38	1,080	3.70
5/11/18	10:08:42	1,086	3.70
5/11/18	10:08:42	1,486	3.70
5/11/18	10:11:37	1,305	3.70
5/11/18	10:15:23	1,081	3.70
5/11/18	10:17:00	1,334	3.70
5/11/18	10:18:00	1,150	3.69
5/11/18	10:22:39	1,107	3.70
5/11/18	10:26:36	339	3.70
5/11/18	10:26:36	795	3.70
5/11/18	10:29:42	1,130	3.70
5/11/18	10:30:59	5	3.70
5/11/18	10:35:21	1,075	3.70
5/11/18	10:35:21	1,950	3.70
5/11/18	10:35:31	2,891	3.70
5/11/18	10:37:08	239	3.70
5/11/18	10:37:08	1,118	3.70
5/11/18	10:40:52	1,425	3.70
5/11/18	10:40:52	1,080	3.70



5/11/18	10:45:09	322	3.70
5/11/18	10:46:19	2,020	3.70
5/11/18	10:50:00	1,080	3.70
5/11/18	10:55:39	1,080	3.70
5/11/18	10:58:27	1,080	3.70
5/11/18	10:59:56	1,094	3.70
5/11/18	11:00:00	1,531	3.70
5/11/18	11:00:00	1,081	3.70
5/11/18	11:04:58	1,081	3.70
5/11/18	11:07:55	1,375	3.70
5/11/18	11:09:15	1,081	3.70
5/11/18	11:09:20	640	3.70
5/11/18	11:09:20	1,131	3.70
5/11/18	11:09:20	453	3.70
5/11/18	11:14:41	22	3.70
5/11/18	11:16:49	1,143	3.70
5/11/18	11:17:12	1,058	3.70
5/11/18	11:17:12	1,080	3.70
5/11/18	11:21:01	1,080	3.70
5/11/18	11:35:31	2,197	3.70
5/11/18	11:35:31	1,239	3.70
5/11/18	11:35:31	1,908	3.70
5/11/18	11:35:31	1,217	3.70
5/11/18	11:35:31	1,217	3.70
5/11/18	11:39:25	1,305	3.70
5/11/18	11:55:06	15	3.70
5/11/18	11:59:01	459	3.70
5/11/18	11:59:01	607	3.70
5/11/18	11:59:01	1,959	3.70
5/11/18	11:59:01	1,080	3.70
5/11/18	11:59:01	1,081	3.70
5/11/18	11:59:15	1,476	3.70
5/11/18	12:02:17	1,080	3.70
5/11/18	12:14:37	1,871	3.70
5/11/18	12:14:37	1,726	3.70
5/11/18	12:18:48	1,150	3.70
5/11/18	12:18:48	568	3.70
5/11/18	12:18:48	1,853	3.70



5/11/18	12:18:58	1,081	3.70
5/11/18	12:20:51	200	3.70
5/11/18	12:20:51	1,826	3.70
5/11/18	13:04:02	790	3.70
5/11/18	13:15:05	540	3.70
5/11/18	13:15:05	1,172	3.70
5/11/18	13:17:07	29	3.70
5/11/18	13:17:07	3,007	3.70
5/11/18	13:17:07	1,081	3.70
5/11/18	13:17:07	1,588	3.70
5/11/18	13:17:07	1,410	3.70
5/11/18	13:25:13	1,080	3.70
5/11/18	13:25:47	1,469	3.70
5/11/18	13:27:21	1,480	3.70
5/11/18	13:28:52	1,303	3.70
5/11/18	13:32:24	1,080	3.70
5/11/18	13:35:42	1,081	3.70
5/11/18	13:35:47	2,191	3.70
5/11/18	13:36:59	780	3.70
5/11/18	13:36:59	512	3.70
5/11/18	13:37:00	1,474	3.70
5/11/18	13:41:41	30	3.69
5/11/18	13:41:47	1,288	3.69
5/11/18	13:45:02	2,758	3.70
5/11/18	13:50:28	1,080	3.70
5/11/18	13:51:11	1,328	3.70
5/11/18	13:51:11	1,188	3.70
5/11/18	13:51:53	1,207	3.70
5/11/18	13:53:13	716	3.69
5/11/18	13:54:58	45	3.69
5/11/18	13:57:06	1,305	3.69
5/11/18	13:57:06	597	3.69
5/11/18	13:57:06	57	3.69
5/11/18	13:57:06	59	3.69
5/11/18	13:57:06	1,022	3.69
5/11/18	13:57:06	1,616	3.69
5/11/18	14:00:28	1,286	3.70
5/11/18	14:03:23	1,300	3.70



5/11/18	14:03:23	409	3.70
5/11/18	14:04:54	356	3.70
5/11/18	14:04:54	725	3.70
5/11/18	14:04:54	1,008	3.70
5/11/18	14:04:54	97	3.70
5/11/18	14:10:07	51	3.70
5/11/18	14:10:46	1,029	3.70
5/11/18	14:10:46	1,081	3.70
5/11/18	14:10:46	1,082	3.70
5/11/18	14:11:26	1,868	3.70
5/11/18	14:11:34	1,080	3.70
5/11/18	14:16:39	1,737	3.70
5/11/18	14:16:39	1,850	3.70
5/11/18	14:16:39	1,081	3.70
5/11/18	14:29:35	582	3.70
5/11/18	14:29:35	1,331	3.70
5/11/18	15:51:38	5,211	3.70
5/11/18	15:51:38	6,872	3.70
5/11/18	15:51:38	11,560	3.70
5/11/18	15:51:38	4,199	3.70
5/11/18	15:51:38	11,203	3.70
5/11/18	15:51:38	13,112	3.70
5/11/18	16:04:31	6,853	3.70
5/11/18	16:04:31	1,217	3.70
5/11/18	16:04:31	2,968	3.70
5/11/18	16:04:31	2,232	3.70
5/11/18	16:04:31	10,116	3.70
5/11/18	16:04:31	5,127	3.70
5/11/18	16:04:31	8,806	3.70
5/11/18	16:04:31	4,216	3.70
5/11/18	16:04:31	789	3.70
5/11/18	16:04:31	5,667	3.70
5/11/18	16:04:31	2,500	3.70
5/11/18	16:04:31	2,612	3.70
5/11/18	16:04:31	1,837	3.70
5/11/18	16:04:32	3,255	3.70
5/11/18	16:04:32	1,483	3.70
5/11/18	16:04:32	2,360	3.70



5/11/18	16:04:32	4,191	3.70
5/11/18	16:04:32	3,485	3.70
5/11/18	16:04:40	994	3.70
5/11/18	16:04:40	306	3.70
5/11/18	16:04:40	1,341	3.70
5/11/18	16:04:43	1,537	3.70
5/11/18	16:04:43	1,199	3.70
5/11/18	16:04:44	564	3.70
5/11/18	16:05:00	1,267	3.70
5/11/18	16:06:00	1,763	3.70
5/11/18	16:06:58	1,446	3.70
5/11/18	16:06:58	1,083	3.70
5/11/18	16:08:21	1,080	3.70
5/11/18	16:08:21	19	3.70
5/11/18	16:08:59	195	3.70
5/11/18	16:09:01	896	3.70
5/11/18	16:09:01	1,791	3.70
5/11/18	16:09:27	1,087	3.70
5/11/18	16:10:18	1,579	3.70
5/11/18	16:10:18	1,087	3.70
5/11/18	16:10:47	468	3.70
5/11/18	16:10:47	1,084	3.70
5/11/18	16:10:50	158	3.70
5/11/18	16:10:59	466	3.70
5/11/18	16:10:59	1,186	3.70
5/11/18	16:12:35	1,598	3.70
5/11/18	16:12:35	155	3.70
5/11/18	16:13:09	1,653	3.70
5/11/18	16:13:09	152	3.70
5/11/18	16:13:17	1,332	3.70
5/11/18	16:13:18	1,080	3.70
5/11/18	16:13:32	1,522	3.70
5/11/18	16:14:57	3,271	3.70
5/11/18	16:15:14	540	3.70
5/11/18	16:15:14	816	3.70
5/11/18	16:16:27	1,081	3.70
5/11/18	16:17:11	2,834	3.70
5/11/18	16:17:11	1,746	3.70



5/11/18	16:17:45	2,383	3.70
5/11/18	16:18:35	151	3.70
5/11/18	16:18:35	2,036	3.70
5/11/18	16:19:33	1,087	3.70
5/11/18	16:19:37	617	3.70
5/11/18	16:20:08	1,051	3.70
5/11/18	16:20:08	20	3.70
5/11/18	16:20:08	11	3.70
5/11/18	16:20:13	1,080	3.70
5/11/18	16:20:13	2,505	3.70
5/11/18	16:21:20	2,483	3.70
5/11/18	16:21:20	1,080	3.70
6/11/18	08:00:40	415	3.71
6/11/18	08:00:40	2,008	3.71
6/11/18	08:01:36	1,809	3.71
6/11/18	08:01:37	670	3.70
6/11/18	08:01:37	2,008	3.70
6/11/18	08:03:44	2,160	3.70
6/11/18	08:04:06	1,329	3.70
6/11/18	08:04:06	1,383	3.70
6/11/18	08:04:06	1,083	3.70
6/11/18	08:04:06	1,082	3.70
6/11/18	08:04:39	169	3.70
6/11/18	08:06:54	1,909	3.70
6/11/18	08:08:03	1,908	3.70
6/11/18	08:09:02	1,080	3.71
6/11/18	08:09:02	2,703	3.71
6/11/18	08:09:51	1,080	3.70
6/11/18	08:09:51	1,491	3.70
6/11/18	08:10:06	1,787	3.70
6/11/18	08:15:00	2,466	3.71
6/11/18	08:15:00	2,285	3.71
6/11/18	08:15:11	1,081	3.70
6/11/18	08:15:29	1,355	3.70
6/11/18	08:17:28	1,545	3.71
6/11/18	08:19:55	1,632	3.70
6/11/18	08:20:58	1,969	3.70
6/11/18	08:20:58	1,363	3.70



6/11/18	08:25:52	1,973	3.71
6/11/18	08:28:26	60	3.71
6/11/18	08:28:26	1,935	3.71
6/11/18	08:30:59	2,080	3.71
6/11/18	08:31:11	1,081	3.71
6/11/18	08:31:11	1,080	3.71
6/11/18	08:31:11	639	3.70
6/11/18	08:31:11	1,058	3.70
6/11/18	08:32:56	2,008	3.70
6/11/18	08:33:46	1,578	3.70
6/11/18	08:33:54	27	3.70
6/11/18	08:33:54	1,953	3.70
6/11/18	08:34:19	385	3.70
6/11/18	08:37:15	1,670	3.70
6/11/18	08:37:15	1,681	3.70
6/11/18	08:37:41	400	3.70
6/11/18	08:38:13	430	3.70
6/11/18	08:38:13	770	3.70
6/11/18	08:38:32	650	3.70
6/11/18	08:38:32	816	3.70
6/11/18	08:38:32	844	3.70
6/11/18	08:38:32	1,590	3.70
6/11/18	08:39:20	3,255	3.69
6/11/18	08:41:36	1,839	3.70
6/11/18	08:44:15	1,081	3.70
6/11/18	08:45:09	2,069	3.70
6/11/18	08:45:11	940	3.70
6/11/18	08:45:17	323	3.70
6/11/18	08:45:17	1,469	3.70
6/11/18	08:46:34	2,033	3.70
6/11/18	08:46:34	3,004	3.70
6/11/18	08:46:41	1,237	3.70
6/11/18	08:48:22	1,703	3.69
6/11/18	08:49:12	1,721	3.69
6/11/18	08:49:30	1,710	3.69
6/11/18	08:52:45	1,645	3.69
6/11/18	08:52:45	1,602	3.69
6/11/18	08:55:51	393	3.69



6/11/18	08:55:51	599	3.69
6/11/18	09:00:04	1,080	3.70
6/11/18	09:00:04	1,704	3.70
6/11/18	09:00:04	1,080	3.70
6/11/18	09:00:04	401	3.70
6/11/18	09:00:16	955	3.70
6/11/18	09:00:16	2,143	3.70
6/11/18	09:00:16	125	3.70
6/11/18	09:00:58	2,415	3.70
6/11/18	09:01:57	1,081	3.70
6/11/18	09:01:57	1,080	3.70
6/11/18	09:01:57	1,080	3.70
6/11/18	09:06:55	1,081	3.70
6/11/18	09:06:55	2,649	3.70
6/11/18	09:06:55	943	3.70
6/11/18	09:06:55	2,251	3.70
6/11/18	09:06:55	2,078	3.70
6/11/18	09:07:13	666	3.70
6/11/18	09:07:13	486	3.70
6/11/18	09:08:55	1,699	3.70
6/11/18	09:10:03	1,682	3.70
6/11/18	09:15:56	2,032	3.70
6/11/18	09:16:26	1,361	3.70
6/11/18	09:16:46	1,064	3.69
6/11/18	09:16:46	1,081	3.69
6/11/18	09:16:46	16	3.69
6/11/18	09:16:46	1,799	3.69
6/11/18	09:16:46	1,649	3.69
6/11/18	09:17:37	1,525	3.70
6/11/18	09:23:11	1,080	3.70
6/11/18	09:23:14	1,648	3.70
6/11/18	09:23:14	284	3.70
6/11/18	09:24:05	1,080	3.70
6/11/18	09:24:22	550	3.69
6/11/18	09:25:00	1,081	3.69
6/11/18	09:25:00	665	3.69
6/11/18	09:25:00	1,080	3.69
6/11/18	09:25:13	1,209	3.70



6/11/18	09:27:42	59	3.70
6/11/18	09:27:42	1,559	3.70
6/11/18	09:27:42	1,081	3.70
6/11/18	09:27:45	1,080	3.70
6/11/18	09:27:45	915	3.70
6/11/18	09:28:27	1,647	3.70
6/11/18	09:28:38	1,221	3.70
6/11/18	09:28:38	2,097	3.70
6/11/18	09:28:38	146	3.70
6/11/18	09:28:38	882	3.70
6/11/18	09:28:38	53	3.70
6/11/18	09:29:15	1,124	3.70
6/11/18	09:29:16	1,775	3.70
6/11/18	09:30:28	1,704	3.69
6/11/18	09:33:31	245	3.69
6/11/18	09:33:31	613	3.69
6/11/18	09:33:31	1,055	3.69
6/11/18	09:33:31	1,425	3.69
6/11/18	09:35:14	1,710	3.69
6/11/18	09:35:14	1,688	3.69
6/11/18	09:37:56	1,547	3.70
6/11/18	09:39:56	1,705	3.70
6/11/18	09:39:56	428	3.70
6/11/18	09:39:56	669	3.70
6/11/18	09:43:35	2,546	3.70
6/11/18	09:45:02	2,633	3.71
6/11/18	09:45:38	1,080	3.71
6/11/18	09:47:53	1,726	3.71
6/11/18	09:48:03	1,082	3.71
6/11/18	09:52:32	1,081	3.70
6/11/18	09:53:34	2,401	3.70
6/11/18	09:53:34	1,080	3.70
6/11/18	09:53:34	1,703	3.70
6/11/18	09:53:34	1,080	3.70
6/11/18	09:53:55	1,281	3.70
6/11/18	09:53:55	76	3.70
6/11/18	09:54:39	34	3.70
6/11/18	09:54:40	1,562	3.70



6/11/18	09:55:56	1,665	3.70
6/11/18	09:58:42	1,634	3.70
6/11/18	10:00:53	1,660	3.70
6/11/18	10:02:37	1,789	3.70
6/11/18	10:02:37	1,081	3.70
6/11/18	10:02:37	928	3.70
6/11/18	10:02:47	9	3.70
6/11/18	10:05:05	158	3.70
6/11/18	10:05:05	923	3.70
6/11/18	10:09:07	1,080	3.70
6/11/18	10:09:07	1,877	3.70
6/11/18	10:09:08	1,786	3.70
6/11/18	10:09:08	1,081	3.70
6/11/18	10:09:08	1,213	3.70
6/11/18	10:09:27	402	3.70
6/11/18	10:09:27	699	3.70
6/11/18	10:09:27	1,399	3.70
6/11/18	10:12:58	668	3.70
6/11/18	10:12:58	1,013	3.70
6/11/18	10:13:48	1,081	3.70
6/11/18	10:13:53	1,624	3.70
6/11/18	10:14:04	1,748	3.70
6/11/18	10:14:32	59	3.70
6/11/18	10:16:14	1,748	3.70
6/11/18	10:16:42	1,594	3.70
6/11/18	10:16:58	272	3.70
6/11/18	10:17:42	1,748	3.70
6/11/18	10:20:50	1,912	3.70
6/11/18	10:20:57	1,133	3.70
6/11/18	10:22:03	930	3.70
6/11/18	10:25:37	89	3.70
6/11/18	10:26:53	1,080	3.70
6/11/18	10:26:54	1,080	3.70
6/11/18	10:26:54	991	3.70
6/11/18	10:27:13	1,080	3.70
6/11/18	10:28:44	364	3.70
6/11/18	10:28:44	1,118	3.70
6/11/18	10:28:44	1,187	3.70



6/11/18	10:28:44	1,518	3.70
6/11/18	10:28:44	155	3.70
6/11/18	10:28:44	1,081	3.70
6/11/18	10:28:51	1,329	3.70
6/11/18	10:30:21	1,871	3.70
6/11/18	10:30:21	1,380	3.70
6/11/18	10:31:39	653	3.70
6/11/18	10:31:39	427	3.70
6/11/18	10:35:06	2,124	3.70
6/11/18	10:35:06	2,477	3.70
6/11/18	10:35:08	1,950	3.70
6/11/18	10:35:08	382	3.70
6/11/18	10:35:49	1,175	3.70
6/11/18	10:35:51	1,081	3.70
6/11/18	10:39:55	249	3.70
6/11/18	10:39:58	966	3.70
6/11/18	10:42:02	1,080	3.70
6/11/18	10:42:54	1,943	3.70
6/11/18	10:44:26	3,827	3.70
6/11/18	10:44:26	423	3.70
6/11/18	10:44:26	2,032	3.70
6/11/18	10:44:26	1,080	3.70
6/11/18	10:44:26	1,411	3.70
6/11/18	10:44:26	1,080	3.70
6/11/18	10:45:39	495	3.70
6/11/18	10:45:39	650	3.70
6/11/18	10:45:39	8	3.70
6/11/18	10:45:56	607	3.70
6/11/18	10:46:38	478	3.70
6/11/18	10:46:38	2	3.70
6/11/18	10:46:39	1,290	3.70
6/11/18	10:46:39	1,220	3.70
6/11/18	10:47:09	360	3.70
6/11/18	10:48:00	1,681	3.70
6/11/18	10:50:40	289	3.70
6/11/18	10:50:40	791	3.70
6/11/18	10:54:17	1,963	3.70
6/11/18	10:55:34	1,611	3.70



6/11/18	10:55:34	1,095	3.70
6/11/18	10:55:34	1,080	3.70
6/11/18	10:55:34	1,081	3.70
6/11/18	10:55:34	1,081	3.70
6/11/18	10:55:36	1,574	3.70
6/11/18	10:55:36	1,713	3.70
6/11/18	10:55:36	204	3.70
6/11/18	10:57:00	1,631	3.69
6/11/18	10:57:00	1,642	3.69
6/11/18	11:02:26	1,092	3.70
6/11/18	11:02:26	1,080	3.70
6/11/18	11:06:21	136	3.70
6/11/18	11:06:21	416	3.70
6/11/18	11:06:21	650	3.70
6/11/18	11:06:21	1,084	3.70
6/11/18	11:06:21	123	3.70
6/11/18	11:07:30	1,081	3.70
6/11/18	11:07:30	1,739	3.70
6/11/18	11:07:30	1,080	3.70
6/11/18	11:08:10	577	3.70
6/11/18	11:08:10	650	3.70
6/11/18	11:08:48	1,025	3.70
6/11/18	11:10:19	1,046	3.70
6/11/18	11:10:19	1,018	3.70
6/11/18	11:10:19	1,732	3.70
6/11/18	11:10:19	1,080	3.70
6/11/18	11:15:01	1,933	3.70
6/11/18	11:15:01	1,081	3.70
6/11/18	11:15:01	1,082	3.70
6/11/18	11:16:20	1,082	3.70
6/11/18	11:16:20	1,080	3.70
6/11/18	11:22:01	554	3.70
6/11/18	11:22:01	526	3.70
6/11/18	11:22:09	1,081	3.70
6/11/18	11:24:47	96	3.70
6/11/18	11:24:47	853	3.70
6/11/18	11:24:47	640	3.70
6/11/18	11:24:47	387	3.70



6/11/18	11:25:17	1,081	3.70
6/11/18	11:25:17	1,081	3.70
6/11/18	11:25:18	736	3.70
6/11/18	11:27:01	1,081	3.70
6/11/18	11:27:01	1,081	3.70
6/11/18	11:27:01	1,765	3.70
6/11/18	11:27:01	2,075	3.70
6/11/18	11:27:01	971	3.70
6/11/18	11:27:01	1,402	3.70
6/11/18	11:27:01	133	3.70
6/11/18	11:27:17	1,081	3.70
6/11/18	11:29:18	650	3.70
6/11/18	11:29:26	1,231	3.70
6/11/18	11:29:26	1,081	3.70
6/11/18	11:30:46	1,666	3.70
6/11/18	11:37:49	2,202	3.70
6/11/18	11:37:49	1,950	3.70
6/11/18	11:37:49	600	3.70
6/11/18	11:37:51	1,509	3.70
6/11/18	11:40:14	1,080	3.70
6/11/18	11:40:14	1,081	3.70
6/11/18	11:40:14	1,080	3.70
6/11/18	11:40:14	2,657	3.70
6/11/18	11:40:14	1,080	3.70
6/11/18	11:46:08	1,981	3.70
6/11/18	11:46:08	2,107	3.70
6/11/18	11:46:43	743	3.70
6/11/18	11:46:43	1,081	3.70
6/11/18	11:46:43	337	3.70
6/11/18	11:47:37	1,216	3.70
6/11/18	11:47:37	1,824	3.70
6/11/18	11:49:41	1,673	3.70
6/11/18	11:49:41	1,698	3.70
6/11/18	11:50:22	1,707	3.70
6/11/18	11:52:54	1,673	3.69
6/11/18	11:56:48	1,081	3.69
6/11/18	11:57:55	1,081	3.69
6/11/18	12:01:33	1,080	3.70



6/11/18	12:01:33	2,671	3.70
6/11/18	12:02:01	1,166	3.70
6/11/18	12:03:32	650	3.69
6/11/18	12:03:32	1,080	3.69
6/11/18	12:03:32	430	3.69
6/11/18	12:03:32	1,081	3.69
6/11/18	12:05:19	1,114	3.70
6/11/18	12:07:03	1,081	3.69
6/11/18	12:07:03	1,682	3.69
6/11/18	12:07:03	1,122	3.69
6/11/18	12:07:03	1,645	3.69
6/11/18	12:07:05	1,507	3.69
6/11/18	12:07:05	788	3.69
6/11/18	12:09:08	1,666	3.69
6/11/18	12:09:08	1,175	3.69
6/11/18	12:09:08	1,285	3.69
6/11/18	12:11:27	1,707	3.69
6/11/18	12:11:36	1,643	3.69
6/11/18	12:11:52	1,435	3.69
6/11/18	12:11:52	1,661	3.69
6/11/18	12:11:57	30	3.69
6/11/18	12:11:57	1,999	3.69
6/11/18	12:12:38	46	3.68
6/11/18	12:12:57	1,656	3.68
6/11/18	12:16:08	1,652	3.68
6/11/18	12:16:08	1,081	3.68
6/11/18	12:16:08	1,688	3.68
6/11/18	12:17:16	1,643	3.68
6/11/18	12:18:54	1,700	3.68
6/11/18	12:19:49	1,657	3.68
6/11/18	12:19:49	1,668	3.68
6/11/18	12:19:49	54	3.68
6/11/18	12:21:09	1,110	3.68
6/11/18	12:22:45	1,599	3.68
6/11/18	12:26:14	1,929	3.68
6/11/18	12:26:48	2,115	3.68
6/11/18	12:26:48	1,679	3.68
6/11/18	12:26:48	1,080	3.68



6/11/18	12:26:48	730	3.68
6/11/18	12:31:42	1,081	3.68
6/11/18	12:32:02	600	3.68
6/11/18	12:32:02	1,041	3.68
6/11/18	12:32:02	1,081	3.68
6/11/18	12:32:45	2,189	3.68
6/11/18	12:32:45	1,081	3.68
6/11/18	12:38:05	2,085	3.68
6/11/18	12:38:05	574	3.68
6/11/18	12:39:32	1,080	3.69
6/11/18	12:41:21	2,222	3.69
6/11/18	12:41:21	1,081	3.69
6/11/18	12:41:21	1,589	3.69
6/11/18	12:41:21	716	3.69
6/11/18	12:41:21	1,307	3.69
6/11/18	12:42:35	1,526	3.68
6/11/18	12:42:36	562	3.68
6/11/18	12:42:37	519	3.68
6/11/18	12:46:16	242	3.69
6/11/18	12:46:16	1,628	3.69
6/11/18	12:46:46	1,080	3.69
6/11/18	12:46:46	1,083	3.68
6/11/18	12:46:46	705	3.68
6/11/18	12:47:06	1,666	3.68
6/11/18	12:53:28	1,674	3.69
6/11/18	12:53:28	2,221	3.69
6/11/18	12:53:28	1,472	3.69
6/11/18	12:53:28	2,133	3.69
6/11/18	12:54:11	1,082	3.69
6/11/18	12:54:11	1,080	3.69
6/11/18	12:59:17	503	3.69
6/11/18	13:01:23	1,080	3.69
6/11/18	13:01:31	1,420	3.69
6/11/18	13:01:31	191	3.69
6/11/18	13:01:53	1,080	3.69
6/11/18	13:01:53	1,362	3.69
6/11/18	13:01:53	4,233	3.69
6/11/18	13:03:53	1,081	3.69



6/11/18	13:03:53	812	3.69
6/11/18	13:05:03	1,645	3.69
6/11/18	13:08:36	80	3.69
6/11/18	13:08:42	2,191	3.69
6/11/18	13:08:58	1,080	3.69
6/11/18	13:08:58	1,667	3.69
6/11/18	13:09:16	1,151	3.69
6/11/18	13:09:16	268	3.69
6/11/18	13:09:16	1,080	3.69
6/11/18	13:16:12	264	3.69
6/11/18	13:16:24	817	3.69
6/11/18	13:16:34	1,080	3.69
6/11/18	13:16:34	2,182	3.69
6/11/18	13:19:58	601	3.69
6/11/18	13:19:58	1	3.69
6/11/18	13:19:58	1,423	3.69
6/11/18	13:20:07	1,667	3.69
6/11/18	13:20:07	1,080	3.69
6/11/18	13:20:07	1,080	3.69
6/11/18	13:20:07	1,082	3.69
6/11/18	13:20:07	1,080	3.69
6/11/18	13:20:07	1,081	3.69
6/11/18	13:21:07	212	3.68
6/11/18	13:21:09	466	3.68
6/11/18	13:21:32	1,241	3.68
6/11/18	13:21:58	840	3.68
6/11/18	13:23:15	926	3.68
6/11/18	13:23:15	1,024	3.68
6/11/18	13:23:15	650	3.68
6/11/18	13:23:15	113	3.68
6/11/18	13:23:41	1,744	3.68
6/11/18	13:29:53	141	3.68
6/11/18	13:30:07	2,022	3.68
6/11/18	13:30:07	1,080	3.68
6/11/18	13:30:07	1,080	3.68
6/11/18	13:30:20	1,299	3.68
6/11/18	13:30:20	82	3.68
6/11/18	13:30:20	1,475	3.68



6/11/18	13:30:20	367	3.68
6/11/18	13:30:41	504	3.68
6/11/18	13:30:49	1,309	3.68
6/11/18	13:30:49	511	3.68
6/11/18	13:30:49	641	3.68
6/11/18	13:34:30	1,837	3.69
6/11/18	13:36:44	459	3.69
6/11/18	13:36:44	622	3.69
6/11/18	13:36:54	972	3.69
6/11/18	13:36:54	716	3.69
6/11/18	13:39:30	1,657	3.69
6/11/18	13:39:30	1,158	3.69
6/11/18	13:39:56	1,080	3.69
6/11/18	13:39:56	3,462	3.69
6/11/18	13:41:19	2,180	3.69
6/11/18	13:41:19	1,362	3.69
6/11/18	13:45:36	1,882	3.70
6/11/18	13:45:37	3,372	3.70
6/11/18	13:45:46	1,081	3.70
6/11/18	13:46:24	1,285	3.70
6/11/18	13:48:31	1,323	3.70
6/11/18	13:48:31	1,860	3.70
6/11/18	13:48:41	1,175	3.70
6/11/18	13:52:29	2,316	3.70
6/11/18	13:53:03	1,878	3.70
6/11/18	13:53:21	2,664	3.70
6/11/18	13:53:21	1,081	3.70
6/11/18	13:53:21	2,869	3.70
6/11/18	13:53:34	1,724	3.70
6/11/18	13:57:25	557	3.70
6/11/18	13:57:25	525	3.70
6/11/18	13:57:26	1,300	3.70
6/11/18	13:57:26	148	3.70
6/11/18	13:57:26	1,103	3.70
6/11/18	13:57:26	502	3.70
6/11/18	13:57:26	760	3.70
6/11/18	13:57:31	952	3.70
6/11/18	13:57:31	68	3.70



6/11/18	13:57:31	698	3.70
6/11/18	14:01:46	1,624	3.70
6/11/18	14:02:04	1,987	3.70
6/11/18	14:03:03	508	3.70
6/11/18	14:03:03	843	3.70
6/11/18	14:04:03	72	3.70
6/11/18	14:04:03	1,009	3.70
6/11/18	14:04:12	2,865	3.70
6/11/18	14:04:12	87	3.70
6/11/18	14:04:12	1,691	3.70
6/11/18	14:04:37	1,081	3.70
6/11/18	14:04:37	1,081	3.70
6/11/18	14:07:02	1,095	3.70
6/11/18	14:07:02	1,505	3.70
6/11/18	14:07:02	118	3.70
6/11/18	14:12:59	1,080	3.70
6/11/18	14:12:59	1,130	3.70
6/11/18	14:13:15	1,400	3.70
6/11/18	14:13:16	766	3.70
6/11/18	14:13:48	1,083	3.70
6/11/18	14:13:48	1,483	3.70
6/11/18	14:13:48	1,080	3.70
6/11/18	14:13:57	446	3.70
6/11/18	14:13:57	1,080	3.70
6/11/18	14:13:57	635	3.70
6/11/18	14:13:57	2,285	3.70
6/11/18	14:13:57	1,230	3.70
6/11/18	14:13:57	1,080	3.70
6/11/18	14:15:53	1,369	3.70
6/11/18	14:15:53	156	3.70
6/11/18	14:19:07	367	3.70
6/11/18	14:19:07	1,399	3.70
6/11/18	14:19:23	1,000	3.70
6/11/18	14:19:30	81	3.70
6/11/18	14:19:30	1,114	3.70
6/11/18	14:19:30	1,082	3.70
6/11/18	14:19:45	1,525	3.70
6/11/18	14:23:38	1,082	3.71



6/11/18	14:24:27	1,081	3.71
6/11/18	14:25:42	500	3.71
6/11/18	14:25:42	2,279	3.71
6/11/18	14:26:18	1,080	3.71
6/11/18	14:26:47	1,695	3.71
6/11/18	14:28:58	1,645	3.71
6/11/18	14:32:29	3,531	3.71
6/11/18	14:33:01	1,637	3.70
6/11/18	14:34:13	1,647	3.70
6/11/18	14:34:21	1,082	3.70
6/11/18	14:34:21	1,475	3.70
6/11/18	14:34:21	1,855	3.70
6/11/18	14:34:21	2,931	3.70
6/11/18	14:34:21	1,082	3.70
6/11/18	14:34:21	1,083	3.70
6/11/18	14:34:35	1,082	3.70
6/11/18	14:34:35	160	3.70
6/11/18	14:34:35	183	3.70
6/11/18	14:34:35	737	3.70
6/11/18	14:35:54	1,188	3.70
6/11/18	14:36:07	1,083	3.70
6/11/18	14:37:34	1,695	3.70
6/11/18	14:37:34	1,084	3.70
6/11/18	14:37:34	1,717	3.70
6/11/18	14:37:47	346	3.70
6/11/18	14:37:47	1,019	3.70
6/11/18	14:38:05	650	3.70
6/11/18	14:38:05	951	3.70
6/11/18	14:40:51	1,804	3.70
6/11/18	14:40:51	593	3.70
6/11/18	14:40:51	3,728	3.70
6/11/18	14:42:20	2,147	3.70
6/11/18	14:43:15	1,619	3.71
6/11/18	14:45:30	1,692	3.71
6/11/18	14:46:14	1,683	3.71
6/11/18	14:49:41	1,085	3.71
6/11/18	14:49:44	1,637	3.71
6/11/18	14:49:44	1,080	3.71



6/11/18	14:51:14	1,639	3.71
6/11/18	14:52:18	1,648	3.71
6/11/18	14:54:39	1,033	3.71
6/11/18	14:54:39	663	3.71
6/11/18	14:55:22	1,253	3.71
6/11/18	14:56:39	441	3.71
6/11/18	14:56:39	1,273	3.71
6/11/18	14:58:05	1,445	3.70
6/11/18	14:59:06	1,762	3.70
6/11/18	15:00:28	1,308	3.71
6/11/18	15:03:25	1,992	3.70
6/11/18	15:04:49	1,923	3.70
6/11/18	15:04:49	117	3.70
6/11/18	15:05:31	1,668	3.70
6/11/18	15:05:31	1,081	3.70
6/11/18	15:05:31	1,086	3.70
6/11/18	15:07:01	1,667	3.70
6/11/18	15:10:01	4	3.70
6/11/18	15:10:06	1,080	3.71
6/11/18	15:10:47	1,080	3.71
6/11/18	15:11:44	1,080	3.71
6/11/18	15:12:03	1,087	3.71
6/11/18	15:12:52	88	3.71
6/11/18	15:13:18	995	3.71
6/11/18	15:13:18	3,447	3.71
6/11/18	15:13:51	1,638	3.71
6/11/18	15:14:34	1,742	3.71
6/11/18	15:17:47	1,500	3.71
6/11/18	15:17:47	143	3.71
6/11/18	15:17:47	999	3.71
6/11/18	15:17:47	82	3.71
6/11/18	15:18:25	1,778	3.70
6/11/18	15:21:36	1,730	3.70
6/11/18	15:21:36	186	3.70
6/11/18	15:22:55	1,928	3.70
6/11/18	15:24:02	1,085	3.70
6/11/18	15:24:02	1,083	3.70
6/11/18	15:25:11	1,080	3.71



6/11/18	15:26:38	781	3.71
6/11/18	15:26:38	1,427	3.71
6/11/18	15:26:55	1,441	3.70
6/11/18	15:26:55	1,081	3.70
6/11/18	15:26:55	1,085	3.70
6/11/18	15:29:25	1,005	3.70
6/11/18	15:29:53	7,313	3.70
6/11/18	15:29:53	8,186	3.70
6/11/18	15:29:53	6,736	3.70
6/11/18	15:29:53	6,785	3.70
6/11/18	15:29:53	6,296	3.70
6/11/18	15:29:53	6,718	3.70
6/11/18	15:29:53	1,678	3.70
6/11/18	15:29:53	1,084	3.70
6/11/18	15:29:53	433	3.70
6/11/18	15:29:53	1,248	3.70
6/11/18	15:29:57	819	3.70
6/11/18	15:29:57	1,480	3.70
6/11/18	15:29:59	729	3.70
6/11/18	15:29:59	766	3.70
6/11/18	15:30:05	756	3.70
6/11/18	15:30:05	2,860	3.70
6/11/18	15:30:05	983	3.70
6/11/18	15:30:05	180	3.70
6/11/18	15:30:16	2,681	3.70
6/11/18	15:30:16	354	3.70
6/11/18	15:30:16	1,043	3.70
6/11/18	15:31:04	2,428	3.70
6/11/18	15:31:44	1,639	3.70
6/11/18	15:32:32	2,650	3.70
6/11/18	15:32:32	1,666	3.70
6/11/18	15:32:32	1,425	3.70
6/11/18	15:32:32	1,690	3.70
6/11/18	15:32:48	1,723	3.70
6/11/18	15:33:30	3,198	3.70
6/11/18	15:33:35	22	3.70
6/11/18	15:33:35	1,267	3.70
6/11/18	15:33:49	1,739	3.70



6/11/18	15:33:55	379	3.70
6/11/18	15:34:17	748	3.70
6/11/18	15:34:19	460	3.70
6/11/18	15:35:00	1,646	3.70
6/11/18	15:35:00	1,658	3.70
6/11/18	15:36:31	1,180	3.70
6/11/18	15:36:31	703	3.70
6/11/18	15:36:31	1,083	3.70
6/11/18	15:36:31	1,114	3.70
6/11/18	15:36:46	1,849	3.70
6/11/18	15:36:59	1,649	3.69
6/11/18	15:38:01	1,453	3.70
6/11/18	15:38:01	1,731	3.70
6/11/18	15:38:25	739	3.69
6/11/18	15:38:25	221	3.69
6/11/18	15:38:25	661	3.69
6/11/18	15:39:09	1,606	3.69
6/11/18	15:39:09	1,702	3.69
6/11/18	15:41:14	1,849	3.69
6/11/18	15:41:14	1,092	3.69
6/11/18	15:41:14	2,100	3.69
6/11/18	15:42:16	1,201	3.69
6/11/18	15:42:16	650	3.69
6/11/18	15:43:49	761	3.70
6/11/18	15:43:49	484	3.70
6/11/18	15:43:49	291	3.70
6/11/18	15:43:49	1,660	3.70
6/11/18	15:43:54	42	3.69
6/11/18	15:43:54	358	3.69
6/11/18	15:43:55	806	3.69
6/11/18	15:43:55	1,042	3.69
6/11/18	15:43:55	1,307	3.69
6/11/18	15:43:55	1,276	3.69
6/11/18	15:43:55	1,081	3.69
6/11/18	15:43:59	1,081	3.69
6/11/18	15:45:46	1,693	3.69
6/11/18	15:45:46	1,038	3.69
6/11/18	15:45:46	1,584	3.69



6/11/18	15:45:46	1,086	3.69
6/11/18	15:45:46	45	3.69
6/11/18	15:46:20	802	3.69
6/11/18	15:46:20	1,148	3.69
6/11/18	15:46:20	650	3.69
6/11/18	15:47:17	177	3.69
6/11/18	15:47:17	1,533	3.69
6/11/18	15:47:17	5	3.69
6/11/18	15:47:17	1,616	3.69
6/11/18	15:48:09	1,065	3.69
6/11/18	15:48:41	18	3.69
6/11/18	15:48:41	1,080	3.69
6/11/18	15:48:41	1,497	3.69
6/11/18	15:48:49	1,300	3.69
6/11/18	15:49:13	447	3.69
6/11/18	15:49:13	250	3.69
6/11/18	15:51:04	2,300	3.69
6/11/18	15:51:04	515	3.69
6/11/18	15:51:07	565	3.69
6/11/18	15:51:07	1,385	3.69
6/11/18	15:51:07	1,880	3.69
6/11/18	15:51:07	823	3.69
6/11/18	15:51:07	1,324	3.69
6/11/18	15:51:13	1,080	3.69
6/11/18	15:52:41	1,080	3.70
6/11/18	15:53:46	801	3.70
6/11/18	15:54:17	921	3.70
6/11/18	15:54:28	611	3.70
6/11/18	15:54:28	831	3.70
6/11/18	15:54:28	598	3.70
6/11/18	15:54:28	469	3.70
6/11/18	15:54:33	1,650	3.70
6/11/18	15:55:03	850	3.70
6/11/18	15:55:03	86	3.70
6/11/18	15:55:03	209	3.70
6/11/18	15:55:26	1,080	3.70
6/11/18	15:55:26	2,904	3.70
6/11/18	15:55:26	810	3.70



6/11/18	15:55:26	2,743	3.70
6/11/18	15:55:29	500	3.70
6/11/18	15:55:31	580	3.70
6/11/18	15:57:35	2,361	3.71
6/11/18	15:57:41	1,080	3.71
6/11/18	15:59:27	3,386	3.71
6/11/18	16:00:51	1,668	3.71
6/11/18	16:00:59	17	3.71
6/11/18	16:01:48	2,137	3.71
6/11/18	16:04:26	2,033	3.71
6/11/18	16:04:41	2,513	3.71
6/11/18	16:04:41	1,080	3.71
6/11/18	16:06:04	2,418	3.71
6/11/18	16:06:44	1,425	3.71
6/11/18	16:07:22	1,634	3.71
6/11/18	16:08:14	1,673	3.71
6/11/18	16:09:01	1	3.71
6/11/18	16:09:01	1,730	3.71
6/11/18	16:09:01	43	3.71
6/11/18	16:11:29	2,319	3.71
6/11/18	16:11:33	3,402	3.71
6/11/18	16:11:33	56	3.71
6/11/18	16:14:01	1,089	3.72
6/11/18	16:14:14	100	3.71
6/11/18	16:14:14	2,878	3.71
6/11/18	16:14:55	730	3.72
6/11/18	16:14:57	1,129	3.72
6/11/18	16:16:40	1,138	3.72
6/11/18	16:16:40	623	3.72
6/11/18	16:17:26	1,741	3.72
6/11/18	16:17:51	2,172	3.72
6/11/18	16:17:58	1,080	3.72
6/11/18	16:19:09	1,165	3.72
6/11/18	16:19:09	3,013	3.72
6/11/18	16:19:39	1,285	3.72
6/11/18	16:20:09	1,763	3.72
6/11/18	16:21:36	1,639	3.72
6/11/18	16:21:36	1,056	3.72



6/11/18	16:21:57	32	3.72
6/11/18	16:21:57	1,814	3.72
6/11/18	16:22:37	1,730	3.72
6/11/18	16:23:46	3,303	3.72
6/11/18	16:24:37	517	3.72
6/11/18	16:24:37	84	3.72
6/11/18	16:24:38	479	3.72
6/11/18	16:24:58	1,358	3.72