

GRAN TIERRA ENERGY INC.

Company Announcement – Transaction in Own Shares

November 26, 2018

On March 8, 2018 Gran Tierra Energy Inc. (“Gran Tierra”) announced a normal course issuer bid (the “NCIB”) through the facilities of the Toronto Stock Exchange (“TSX”) and eligible alternative trading platforms in Canada. The Company received regulatory approval from the TSX to commence the 2018 NCIB on March 12, 2018. Pursuant to the NCIB, Gran Tierra may purchase for cancellation up to 19,269,732 of its shares of common stock for a one year period at prevailing market prices at the time of purchase. The NCIB commenced on March 12, 2018 and will expire on March 11, 2019 or earlier if the 5.00% share maximum is reached. The purpose of the NCIB is to reduce the share capital of Gran Tierra.

The following transactions were made under the NCIB during the period November 19 through November 23, 2018:

Transaction Date	Daily total volume (# Shares)	Daily volume weighted average price of shares acquired (CAD)	Gross Value (CAD)
November 19, 2018	152,704	\$3.64	\$555,657.98
November 20, 2018	152,704	\$3.48	\$531,342.16
November 21, 2018	152,704	\$3.46	\$527,938.76
November 22, 2018	25,400	\$3.51	\$89,114.50
November 23, 2018	152,704	\$3.37	\$514,093.48

Exchange Aggregated Data

	Platform	Nov. 19, 2018	Nov. 20, 2018	Nov. 21, 2018	Nov. 22, 2018	Nov. 23, 2018
Daily Total Volume	TSX	149,504	132,404	71,200	1,000	113,704
	Pure	0	0	0	0	0
	Chi-X	2,800	2,600	1,700	1,300	3,800
	Omega	100	900	0	0	1,700
	TriAct	200	16,600	79,804	18,100	28,300
	Alpha	0	200	0	5,000	5,000
	CNSX	0	0	0	0	0
	LYNX	0	0	0	0	0
	NEO	100	0	0	0	200
Volume weighted average price (CAD)	TSX	\$3.64	\$3.48	\$3.46	\$3.51	\$3.38
	Pure	-	-	-	-	-
	Chi-X	\$3.61	\$3.54	\$3.43	\$3.51	\$3.38
	Omega	\$3.61	\$3.54	-	-	\$3.35
	TriAct	\$3.70	\$3.48	\$3.45	\$3.51	\$3.33
	Alpha	-	\$3.54	-	\$3.50	\$3.38
	CNSX	-	-	-	-	-
	LYNX	-	-	-	-	-
	NEO	\$3.60	-	-	-	\$3.35

All transactions were made under ISIN US38500T1016 and effected by Eight Capital on behalf of Gran Tierra. A full breakdown of the individual trades is attached to this announcement. Gran Tierra intends to cancel all of the purchased shares. Following the above transactions, Gran Tierra will have 389,189,028 issued and outstanding shares.

Contact Information:

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Date	Transaction Time	Time Zone	Volume	Price	Currency	Platform
November 19, 2018	09:45:56	EST	300	3.66	CAD	TSX
November 19, 2018	09:45:56	EST	4700	3.66	CAD	TSX
November 19, 2018	09:49:06	EST	100	3.65	CAD	TSX
November 19, 2018	09:49:47	EST	4600	3.65	CAD	TSX
November 19, 2018	09:49:47	EST	300	3.65	CAD	TSX
November 19, 2018	09:50:22	EST	100	3.64	CAD	TSX
November 19, 2018	09:50:22	EST	4900	3.64	CAD	TSX
November 19, 2018	09:55:18	EST	200	3.62	CAD	TSX
November 19, 2018	09:55:18	EST	900	3.62	CAD	TSX
November 19, 2018	09:56:02	EST	1200	3.62	CAD	TSX
November 19, 2018	09:56:02	EST	1100	3.62	CAD	TSX
November 19, 2018	09:56:15	EST	100	3.62	CAD	TSX
November 19, 2018	10:00:30	EST	600	3.62	CAD	TSX
November 19, 2018	10:00:30	EST	1800	3.62	CAD	TSX
November 19, 2018	10:00:30	EST	1800	3.62	CAD	TSX
November 19, 2018	10:00:30	EST	4	3.62	CAD	TSX
November 19, 2018	10:00:30	EST	1000	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	400	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	200	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	200	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	800	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	1700	3.61	CAD	TSX
November 19, 2018	10:00:30	EST	100	3.61	CAD	TSX
November 19, 2018	10:33:25	EST	3800	3.67	CAD	TSX
November 19, 2018	10:33:25	EST	400	3.67	CAD	TSX
November 19, 2018	10:33:25	EST	600	3.67	CAD	TSX
November 19, 2018	10:33:25	EST	200	3.67	CAD	TSX
November 19, 2018	10:46:21	EST	100	3.695	CAD	TriAct
November 19, 2018	10:46:38	EST	100	3.695	CAD	TriAct
November 19, 2018	10:48:15	EST	200	3.71	CAD	TSX
November 19, 2018	10:48:15	EST	4600	3.71	CAD	TSX
November 19, 2018	10:59:30	EST	2200	3.71	CAD	TSX
November 19, 2018	10:59:30	EST	1000	3.71	CAD	TSX
November 19, 2018	10:59:30	EST	1800	3.71	CAD	TSX
November 19, 2018	11:00:31	EST	5000	3.7	CAD	TSX
November 19, 2018	11:00:31	EST	5000	3.69	CAD	TSX
November 19, 2018	11:03:30	EST	100	3.68	CAD	TSX
November 19, 2018	11:03:30	EST	500	3.68	CAD	TSX
November 19, 2018	11:03:30	EST	500	3.68	CAD	TSX
November 19, 2018	11:03:30	EST	800	3.68	CAD	TSX
November 19, 2018	11:03:30	EST	3100	3.68	CAD	TSX
November 19, 2018	11:08:51	EST	5000	3.67	CAD	TSX

November 19, 2018	11:25:56	EST	500	3.66	CAD	TSX
November 19, 2018	11:25:56	EST	4500	3.66	CAD	TSX
November 19, 2018	11:25:56	EST	5000	3.65	CAD	TSX
November 19, 2018	11:40:40	EST	400	3.64	CAD	TSX
November 19, 2018	11:40:40	EST	2200	3.64	CAD	TSX
November 19, 2018	11:40:40	EST	2300	3.64	CAD	TSX
November 19, 2018	11:40:40	EST	100	3.64	CAD	TSX
November 19, 2018	11:51:59	EST	700	3.63	CAD	TSX
November 19, 2018	11:51:59	EST	100	3.63	CAD	TSX
November 19, 2018	11:51:59	EST	2700	3.63	CAD	TSX
November 19, 2018	11:51:59	EST	1500	3.63	CAD	TSX
November 19, 2018	11:58:49	EST	100	3.62	CAD	TSX
November 19, 2018	12:01:12	EST	100	3.62	CAD	TSX
November 19, 2018	12:05:27	EST	100	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	1600	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	100	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	500	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	500	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	100	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	800	3.62	CAD	TSX
November 19, 2018	12:05:28	EST	1100	3.62	CAD	TSX
November 19, 2018	12:07:12	EST	700	3.61	CAD	TSX
November 19, 2018	12:07:27	EST	100	3.61	CAD	TSX
November 19, 2018	12:25:42	EST	1300	3.625	CAD	Chi-X
November 19, 2018	12:25:42	EST	3400	3.625	CAD	TSX
November 19, 2018	12:56:05	EST	400	3.62	CAD	TSX
November 19, 2018	12:56:05	EST	1500	3.62	CAD	TSX
November 19, 2018	12:56:05	EST	800	3.62	CAD	TSX
November 19, 2018	13:07:35	EST	600	3.62	CAD	TSX
November 19, 2018	13:07:35	EST	300	3.62	CAD	TSX
November 19, 2018	13:07:35	EST	1700	3.62	CAD	TSX
November 19, 2018	13:07:36	EST	4200	3.61	CAD	TSX
November 19, 2018	13:43:56	EST	700	3.63	CAD	TSX
November 19, 2018	13:44:14	EST	200	3.63	CAD	TSX
November 19, 2018	13:44:14	EST	500	3.63	CAD	TSX
November 19, 2018	13:44:14	EST	1100	3.63	CAD	TSX
November 19, 2018	13:44:14	EST	2500	3.63	CAD	TSX
November 19, 2018	13:46:35	EST	5000	3.61	CAD	TSX
November 19, 2018	13:51:00	EST	100	3.6	CAD	TSX
November 19, 2018	13:51:00	EST	4900	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	900	3.6	CAD	Chi-X
November 19, 2018	13:54:06	EST	600	3.6	CAD	Chi-X
November 19, 2018	13:54:06	EST	300	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	100	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	300	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	100	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	200	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	900	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	100	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	100	3.6	CAD	TSX

November 19, 2018	13:54:06	EST	100	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	400	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	700	3.6	CAD	TSX
November 19, 2018	13:54:06	EST	100	3.6	CAD	NEO
November 19, 2018	14:02:45	EST	100	3.59	CAD	TSX
November 19, 2018	14:02:45	EST	5000	3.59	CAD	TSX
November 19, 2018	14:21:45	EST	200	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	1100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	600	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	200	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	900	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	300	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	700	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	400	3.61	CAD	TSX
November 19, 2018	14:21:45	EST	100	3.61	CAD	Omega
November 19, 2018	14:43:20	EST	5000	3.63	CAD	TSX
November 19, 2018	14:54:29	EST	5000	3.62	CAD	TSX
November 19, 2018	15:01:51	EST	100	3.61	CAD	TSX
November 19, 2018	15:01:51	EST	600	3.61	CAD	TSX
November 19, 2018	15:01:51	EST	5000	3.61	CAD	TSX
November 19, 2018	15:01:51	EST	4300	3.61	CAD	TSX
November 20, 2018	09:53:08	EST	1000	3.45	CAD	TSX
November 20, 2018	09:53:08	EST	1100	3.45	CAD	TSX
November 20, 2018	09:53:08	EST	5500	3.45	CAD	TSX
November 20, 2018	09:53:09	EST	2400	3.45	CAD	TSX
November 20, 2018	09:53:09	EST	600	3.44	CAD	TSX
November 20, 2018	09:53:09	EST	300	3.44	CAD	TSX
November 20, 2018	09:56:03	EST	7300	3.44	CAD	TSX
November 20, 2018	09:56:03	EST	1800	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	2400	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	3100	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	1900	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	200	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	700	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	300	3.44	CAD	TSX
November 20, 2018	10:10:02	EST	300	3.44	CAD	TSX
November 20, 2018	10:15:50	EST	2200	3.45	CAD	TSX
November 20, 2018	10:28:49	EST	10000	3.485	CAD	TriAct
November 20, 2018	10:30:24	EST	1500	3.48	CAD	TSX
November 20, 2018	10:30:24	EST	5100	3.48	CAD	TSX
November 20, 2018	10:30:24	EST	3400	3.48	CAD	TSX
November 20, 2018	11:04:51	EST	1800	3.53	CAD	TSX
November 20, 2018	11:04:51	EST	400	3.53	CAD	TSX
November 20, 2018	11:04:51	EST	1200	3.53	CAD	TSX
November 20, 2018	11:04:51	EST	400	3.53	CAD	TSX

November 20, 2018	11:04:51	EST	500	3.53	CAD	TSX
November 20, 2018	11:04:51	EST	4900	3.53	CAD	TSX
November 20, 2018	11:04:51	EST	800	3.53	CAD	TSX
November 20, 2018	11:14:07	EST	200	3.54	CAD	Chi-X
November 20, 2018	11:14:07	EST	300	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	300	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	700	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	500	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	600	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	300	3.54	CAD	TSX
November 20, 2018	11:14:07	EST	800	3.54	CAD	Omega
November 20, 2018	11:14:07	EST	100	3.54	CAD	Omega
November 20, 2018	11:14:07	EST	200	3.54	CAD	Chi-X
November 20, 2018	11:14:07	EST	600	3.54	CAD	Chi-X
November 20, 2018	11:14:07	EST	600	3.54	CAD	Chi-X
November 20, 2018	11:14:07	EST	1000	3.54	CAD	Chi-X
November 20, 2018	11:14:07	EST	200	3.54	CAD	Alpha
November 20, 2018	11:19:48	EST	1000	3.54	CAD	TSX
November 20, 2018	11:19:48	EST	2800	3.54	CAD	TSX
November 20, 2018	11:19:48	EST	1400	3.54	CAD	TSX
November 20, 2018	11:19:48	EST	4	3.54	CAD	TSX
November 20, 2018	11:25:22	EST	7000	3.53	CAD	TSX
November 20, 2018	11:25:22	EST	2800	3.53	CAD	TSX
November 20, 2018	11:25:22	EST	200	3.53	CAD	TSX
November 20, 2018	11:34:41	EST	600	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	400	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	1200	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	400	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	400	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	400	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	300	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	2500	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	3300	3.52	CAD	TSX
November 20, 2018	11:34:41	EST	500	3.52	CAD	TSX
November 20, 2018	12:13:24	EST	900	3.515	CAD	TriAct
November 20, 2018	12:13:28	EST	500	3.515	CAD	TriAct
November 20, 2018	12:13:33	EST	400	3.515	CAD	TriAct
November 20, 2018	12:13:35	EST	100	3.515	CAD	TriAct
November 20, 2018	12:13:39	EST	200	3.515	CAD	TriAct
November 20, 2018	12:13:39	EST	300	3.515	CAD	TriAct
November 20, 2018	12:13:43	EST	200	3.515	CAD	TriAct
November 20, 2018	12:13:43	EST	200	3.515	CAD	TriAct
November 20, 2018	12:13:48	EST	200	3.515	CAD	TriAct
November 20, 2018	12:13:49	EST	100	3.515	CAD	TriAct
November 20, 2018	12:13:53	EST	200	3.515	CAD	TriAct
November 20, 2018	12:13:53	EST	100	3.515	CAD	TriAct
November 20, 2018	12:48:33	EST	100	3.51	CAD	TSX
November 20, 2018	12:50:06	EST	300	3.51	CAD	TSX
November 20, 2018	12:50:06	EST	200	3.51	CAD	TSX
November 20, 2018	12:50:06	EST	2500	3.51	CAD	TSX

November 20, 2018	12:50:07	EST	2000	3.51	CAD	TSX
November 20, 2018	12:50:07	EST	400	3.51	CAD	TSX
November 20, 2018	12:50:07	EST	1000	3.51	CAD	TSX
November 20, 2018	12:59:15	EST	100	3.51	CAD	TSX
November 20, 2018	13:14:05	EST	3300	3.5	CAD	TSX
November 20, 2018	13:14:05	EST	6700	3.5	CAD	TSX
November 20, 2018	13:45:24	EST	100	3.475	CAD	TriAct
November 20, 2018	13:45:53	EST	100	3.475	CAD	TriAct
November 20, 2018	13:46:23	EST	100	3.475	CAD	TriAct
November 20, 2018	13:46:49	EST	100	3.475	CAD	TriAct
November 20, 2018	13:47:15	EST	500	3.475	CAD	TriAct
November 20, 2018	13:47:18	EST	100	3.475	CAD	TriAct
November 20, 2018	13:47:23	EST	100	3.475	CAD	TriAct
November 20, 2018	13:57:39	EST	100	3.47	CAD	TSX
November 20, 2018	13:57:39	EST	2100	3.47	CAD	TSX
November 20, 2018	13:57:39	EST	7800	3.47	CAD	TSX
November 20, 2018	14:08:15	EST	100	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	600	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	2400	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	1600	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	500	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	1100	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	600	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	500	3.44	CAD	TSX
November 20, 2018	14:09:16	EST	1500	3.44	CAD	TSX
November 20, 2018	14:42:26	EST	200	3.435	CAD	TriAct
November 20, 2018	14:42:36	EST	100	3.435	CAD	TriAct
November 20, 2018	14:42:39	EST	200	3.435	CAD	TriAct
November 20, 2018	14:42:44	EST	200	3.435	CAD	TriAct
November 20, 2018	14:42:49	EST	200	3.435	CAD	TriAct
November 20, 2018	14:42:50	EST	1200	3.435	CAD	TriAct
November 20, 2018	14:45:55	EST	100	3.43	CAD	TSX
November 20, 2018	14:45:55	EST	500	3.43	CAD	TSX
November 20, 2018	14:47:24	EST	2200	3.43	CAD	TSX
November 20, 2018	14:52:38	EST	800	3.43	CAD	TSX
November 20, 2018	14:52:43	EST	1500	3.43	CAD	TSX
November 20, 2018	14:52:43	EST	100	3.43	CAD	TSX
November 20, 2018	14:56:13	EST	4800	3.43	CAD	TSX
November 20, 2018	14:58:17	EST	100	3.41	CAD	TSX
November 20, 2018	14:58:49	EST	100	3.41	CAD	TSX
November 20, 2018	14:59:00	EST	100	3.41	CAD	TSX
November 20, 2018	14:59:01	EST	600	3.41	CAD	TSX
November 20, 2018	14:59:41	EST	100	3.41	CAD	TSX
November 20, 2018	15:01:00	EST	400	3.41	CAD	TSX
November 20, 2018	15:01:18	EST	200	3.41	CAD	TSX
November 20, 2018	15:01:49	EST	1900	3.41	CAD	TSX
November 20, 2018	15:02:13	EST	100	3.41	CAD	TSX
November 20, 2018	15:04:06	EST	500	3.41	CAD	TSX
November 20, 2018	15:04:06	EST	3800	3.41	CAD	TSX
November 21, 2018	10:01:40	EST	1100	3.43	CAD	Chi-X

November 21, 2018	10:01:40	EST	500	3.43	CAD	Chi-X
November 21, 2018	10:01:40	EST	100	3.43	CAD	TSX
November 21, 2018	10:01:40	EST	200	3.43	CAD	TSX
November 21, 2018	10:01:40	EST	2400	3.43	CAD	TSX
November 21, 2018	10:01:40	EST	700	3.43	CAD	TSX
November 21, 2018	10:02:22	EST	4	3.44	CAD	TriAct
November 21, 2018	10:02:22	EST	200	3.44	CAD	TSX
November 21, 2018	10:02:22	EST	700	3.44	CAD	TSX
November 21, 2018	10:02:22	EST	900	3.44	CAD	TSX
November 21, 2018	10:02:22	EST	1500	3.44	CAD	TSX
November 21, 2018	10:02:22	EST	1300	3.44	CAD	TSX
November 21, 2018	10:02:22	EST	3100	3.44	CAD	TSX
November 21, 2018	10:04:31	EST	14900	3.435	CAD	TriAct
November 21, 2018	10:04:32	EST	5100	3.435	CAD	TriAct
November 21, 2018	10:09:48	EST	100	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	6300	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	400	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	300	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	1000	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	1200	3.43	CAD	TSX
November 21, 2018	10:09:48	EST	400	3.43	CAD	TSX
November 21, 2018	10:12:53	EST	200	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	2100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	200	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	800	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	1000	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	1000	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	200	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	1200	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	500	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	400	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	600	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	100	3.42	CAD	TSX
November 21, 2018	10:12:53	EST	1100	3.42	CAD	TSX
November 21, 2018	10:14:03	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:03	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:04	EST	1900	3.415	CAD	TriAct
November 21, 2018	10:14:18	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:18	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:33	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:33	EST	100	3.415	CAD	TriAct
November 21, 2018	10:14:48	EST	200	3.415	CAD	TriAct
November 21, 2018	10:15:03	EST	200	3.415	CAD	TriAct
November 21, 2018	10:25:06	EST	100	3.425	CAD	TriAct

November 21, 2018	10:25:06	EST	100	3.425	CAD	TriAct
November 21, 2018	10:25:06	EST	200	3.425	CAD	TriAct
November 21, 2018	10:25:07	EST	100	3.425	CAD	TriAct
November 21, 2018	10:25:07	EST	1900	3.425	CAD	TriAct
November 21, 2018	10:25:09	EST	100	3.425	CAD	TriAct
November 21, 2018	10:25:11	EST	100	3.425	CAD	TriAct
November 21, 2018	10:25:11	EST	200	3.425	CAD	TriAct
November 21, 2018	10:25:11	EST	200	3.425	CAD	TriAct
November 21, 2018	10:25:13	EST	2100	3.425	CAD	TriAct
November 21, 2018	10:25:19	EST	1200	3.425	CAD	TriAct
November 21, 2018	10:25:23	EST	700	3.425	CAD	TriAct
November 21, 2018	10:25:28	EST	400	3.425	CAD	TriAct
November 21, 2018	10:37:06	EST	600	3.41	CAD	TSX
November 21, 2018	10:37:06	EST	500	3.41	CAD	TSX
November 21, 2018	10:42:21	EST	10700	3.425	CAD	TriAct
November 21, 2018	10:42:24	EST	4300	3.425	CAD	TriAct
November 21, 2018	10:43:30	EST	200	3.42	CAD	TSX
November 21, 2018	10:43:51	EST	800	3.42	CAD	TSX
November 21, 2018	11:36:34	EST	3300	3.465	CAD	TriAct
November 21, 2018	11:36:36	EST	1700	3.465	CAD	TriAct
November 21, 2018	11:43:00	EST	1000	3.475	CAD	TriAct
November 21, 2018	11:43:17	EST	100	3.475	CAD	TriAct
November 21, 2018	11:51:32	EST	200	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	1800	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	500	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	200	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	200	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	100	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	300	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	2700	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	200	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	200	3.47	CAD	TSX
November 21, 2018	11:51:32	EST	300	3.47	CAD	TSX
November 21, 2018	11:51:33	EST	300	3.47	CAD	TSX
November 21, 2018	11:51:33	EST	300	3.47	CAD	TSX
November 21, 2018	11:51:42	EST	100	3.47	CAD	TSX
November 21, 2018	11:51:42	EST	100	3.47	CAD	TSX
November 21, 2018	11:52:30	EST	500	3.47	CAD	TSX
November 21, 2018	11:52:40	EST	300	3.47	CAD	TSX
November 21, 2018	11:53:33	EST	200	3.47	CAD	TSX
November 21, 2018	11:57:59	EST	100	3.47	CAD	TSX
November 21, 2018	11:58:40	EST	200	3.47	CAD	TSX
November 21, 2018	11:59:53	EST	100	3.47	CAD	TSX
November 21, 2018	12:00:31	EST	100	3.47	CAD	TSX
November 21, 2018	12:05:32	EST	500	3.47	CAD	TSX
November 21, 2018	12:06:33	EST	500	3.47	CAD	TSX
November 21, 2018	12:07:54	EST	500	3.47	CAD	TSX
November 21, 2018	12:14:43	EST	100	3.47	CAD	TSX
November 21, 2018	12:19:00	EST	400	3.47	CAD	TSX
November 21, 2018	12:19:37	EST	100	3.47	CAD	TSX

November 21, 2018	12:19:37	EST	100	3.47	CAD	TSX
November 21, 2018	12:19:37	EST	500	3.47	CAD	TSX
November 21, 2018	12:19:37	EST	200	3.47	CAD	TSX
November 21, 2018	12:25:11	EST	100	3.47	CAD	TSX
November 21, 2018	12:25:39	EST	100	3.47	CAD	TSX
November 21, 2018	12:35:53	EST	100	3.47	CAD	TSX
November 21, 2018	12:38:45	EST	100	3.47	CAD	TSX
November 21, 2018	12:44:49	EST	3300	3.485	CAD	TSX
November 21, 2018	12:44:49	EST	100	3.485	CAD	Chi-X
November 21, 2018	12:48:22	EST	15500	3.485	CAD	TriAct
November 21, 2018	12:52:16	EST	12900	3.485	CAD	TriAct
November 21, 2018	13:11:02	EST	100	3.5	CAD	TSX
November 21, 2018	13:11:14	EST	100	3.5	CAD	TSX
November 21, 2018	13:11:16	EST	200	3.5	CAD	TSX
November 21, 2018	13:11:27	EST	100	3.5	CAD	TSX
November 21, 2018	13:21:33	EST	100	3.51	CAD	TSX
November 21, 2018	13:21:53	EST	9900	3.51	CAD	TSX
November 21, 2018	13:22:58	EST	100	3.5	CAD	TSX
November 21, 2018	13:24:33	EST	100	3.5	CAD	TSX
November 21, 2018	13:40:12	EST	100	3.51	CAD	TSX
November 21, 2018	13:40:26	EST	100	3.51	CAD	TSX
November 21, 2018	13:40:41	EST	100	3.51	CAD	TSX
November 21, 2018	13:42:34	EST	1800	3.51	CAD	TSX
November 21, 2018	13:42:41	EST	1500	3.51	CAD	TSX
November 21, 2018	13:42:56	EST	300	3.51	CAD	TSX
November 21, 2018	13:43:34	EST	200	3.51	CAD	TSX
November 21, 2018	13:43:50	EST	100	3.51	CAD	TSX
November 21, 2018	13:44:32	EST	100	3.51	CAD	TSX
November 21, 2018	13:45:31	EST	100	3.51	CAD	TSX
November 21, 2018	14:04:31	EST	300	3.51	CAD	TSX
November 21, 2018	14:04:31	EST	100	3.51	CAD	TSX
November 21, 2018	14:04:55	EST	100	3.51	CAD	TSX
November 21, 2018	14:04:55	EST	100	3.51	CAD	TSX
November 21, 2018	14:05:38	EST	100	3.51	CAD	TSX
November 21, 2018	14:06:34	EST	100	3.51	CAD	TSX
November 21, 2018	14:06:40	EST	100	3.51	CAD	TSX
November 21, 2018	14:07:39	EST	100	3.51	CAD	TSX
November 21, 2018	14:08:39	EST	100	3.51	CAD	TSX
November 21, 2018	14:09:23	EST	100	3.51	CAD	TSX
November 21, 2018	14:10:16	EST	100	3.51	CAD	TSX
November 21, 2018	14:10:40	EST	100	3.51	CAD	TSX
November 21, 2018	14:10:40	EST	100	3.51	CAD	TSX
November 21, 2018	14:11:39	EST	100	3.51	CAD	TSX
November 21, 2018	14:12:38	EST	100	3.51	CAD	TSX
November 21, 2018	14:12:41	EST	200	3.51	CAD	TSX
November 21, 2018	14:13:39	EST	200	3.51	CAD	TSX
November 21, 2018	14:14:31	EST	200	3.51	CAD	TSX
November 21, 2018	14:15:32	EST	300	3.51	CAD	TSX
November 21, 2018	14:15:32	EST	200	3.51	CAD	TSX
November 21, 2018	14:15:36	EST	200	3.51	CAD	TSX

November 21, 2018	14:15:57	EST	200	3.51	CAD	TSX
November 21, 2018	14:15:57	EST	200	3.51	CAD	TSX
November 21, 2018	14:16:46	EST	400	3.51	CAD	TSX
November 21, 2018	14:16:48	EST	100	3.51	CAD	TSX
November 21, 2018	14:16:48	EST	100	3.51	CAD	TSX
November 21, 2018	14:16:53	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:11	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:35	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:35	EST	200	3.51	CAD	TSX
November 21, 2018	14:17:35	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:36	EST	200	3.51	CAD	TSX
November 21, 2018	14:17:36	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:37	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:37	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:37	EST	200	3.51	CAD	TSX
November 21, 2018	14:17:37	EST	100	3.51	CAD	TSX
November 21, 2018	14:17:38	EST	200	3.51	CAD	TSX
November 21, 2018	14:17:38	EST	100	3.51	CAD	TSX
November 21, 2018	14:18:09	EST	100	3.51	CAD	TSX
November 21, 2018	14:18:09	EST	100	3.51	CAD	TSX
November 21, 2018	14:18:09	EST	100	3.51	CAD	TSX
November 21, 2018	14:18:09	EST	100	3.51	CAD	TSX
November 21, 2018	14:18:37	EST	400	3.51	CAD	TSX
November 21, 2018	14:19:32	EST	200	3.51	CAD	TSX
November 21, 2018	14:20:22	EST	300	3.51	CAD	TSX
November 21, 2018	14:21:54	EST	100	3.51	CAD	TSX
November 21, 2018	14:22:13	EST	300	3.51	CAD	TSX
November 21, 2018	14:22:14	EST	100	3.51	CAD	TSX
November 21, 2018	14:22:26	EST	100	3.51	CAD	TSX
November 22, 2018	09:45:45	EST	2000	3.5	CAD	Alpha
November 22, 2018	09:45:45	EST	3000	3.5	CAD	Alpha
November 22, 2018	11:06:44	EST	1000	3.505	CAD	TSX
November 22, 2018	11:06:44	EST	1300	3.505	CAD	Chi-X
November 22, 2018	11:08:52	EST	5400	3.505	CAD	TriAct
November 22, 2018	12:21:32	EST	100	3.505	CAD	TriAct
November 22, 2018	12:21:36	EST	400	3.51	CAD	TriAct
November 22, 2018	12:21:36	EST	600	3.51	CAD	TriAct
November 22, 2018	12:21:36	EST	1100	3.51	CAD	TriAct
November 22, 2018	12:21:36	EST	400	3.51	CAD	TriAct
November 22, 2018	12:21:50	EST	100	3.505	CAD	TriAct
November 22, 2018	12:39:29	EST	5000	3.515	CAD	TriAct
November 22, 2018	13:15:56	EST	5000	3.515	CAD	TriAct
November 23, 2018	09:33:02	EST	300	3.4	CAD	TSX
November 23, 2018	09:33:02	EST	1700	3.4	CAD	TSX
November 23, 2018	09:33:26	EST	300	3.38	CAD	TSX
November 23, 2018	09:33:28	EST	1000	3.38	CAD	TSX
November 23, 2018	09:33:30	EST	400	3.38	CAD	TSX
November 23, 2018	09:33:32	EST	700	3.38	CAD	TSX
November 23, 2018	09:33:32	EST	100	3.38	CAD	TSX
November 23, 2018	09:33:34	EST	600	3.38	CAD	TSX

November 23, 2018	09:33:36	EST	400	3.38	CAD	TSX
November 23, 2018	09:33:45	EST	1000	3.38	CAD	TSX
November 23, 2018	09:33:45	EST	500	3.38	CAD	TSX
November 23, 2018	09:33:47	EST	400	3.38	CAD	TSX
November 23, 2018	09:33:49	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	500	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	400	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	200	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	300	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	400	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	400	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	300	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	400	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	100	3.38	CAD	TSX
November 23, 2018	09:34:37	EST	1000	3.38	CAD	TSX
November 23, 2018	09:37:10	EST	200	3.44	CAD	TSX
November 23, 2018	09:37:10	EST	1800	3.44	CAD	TSX
November 23, 2018	09:37:10	EST	500	3.44	CAD	Chi-X
November 23, 2018	09:40:05	EST	5000	3.46	CAD	TSX
November 23, 2018	09:40:05	EST	100	3.45	CAD	TSX
November 23, 2018	09:40:08	EST	4900	3.45	CAD	TSX
November 23, 2018	09:40:08	EST	500	3.44	CAD	TSX
November 23, 2018	09:40:08	EST	2000	3.44	CAD	TSX
November 23, 2018	09:42:00	EST	300	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	500	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	600	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	1400	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	300	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	600	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	200	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	100	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	100	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	200	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	300	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	500	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	200	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	400	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	300	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	300	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	1000	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	1000	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	1000	3.42	CAD	TSX
November 23, 2018	09:42:00	EST	700	3.42	CAD	TSX
November 23, 2018	09:44:12	EST	100	3.41	CAD	TSX
November 23, 2018	09:44:15	EST	200	3.41	CAD	TSX

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November 23, 2018	09:50:14	EST	1300	3.38	CAD	TSX
November 23, 2018	09:52:01	EST	5700	3.37	CAD	TSX
November 23, 2018	09:52:01	EST	4	3.37	CAD	TSX
November 23, 2018	09:54:36	EST	5000	3.36	CAD	TSX
November 23, 2018	09:56:35	EST	2800	3.365	CAD	TSX
November 23, 2018	09:56:35	EST	1300	3.365	CAD	Chi-X
November 23, 2018	09:58:33	EST	300	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	100	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	1100	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	900	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	500	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	1100	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	100	3.35	CAD	TSX
November 23, 2018	09:58:33	EST	3700	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	200	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	1600	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	200	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	500	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	1500	3.35	CAD	TSX
November 23, 2018	09:59:48	EST	500	3.35	CAD	TSX
November 23, 2018	10:06:01	EST	2300	3.34	CAD	TSX
November 23, 2018	10:06:01	EST	100	3.34	CAD	TSX
November 23, 2018	10:06:01	EST	2400	3.34	CAD	TSX
November 23, 2018	10:06:01	EST	1100	3.34	CAD	TSX
November 23, 2018	10:08:00	EST	200	3.335	CAD	TriAct
November 23, 2018	10:08:02	EST	100	3.335	CAD	TriAct
November 23, 2018	10:08:08	EST	100	3.335	CAD	TriAct
November 23, 2018	10:10:23	EST	200	3.335	CAD	TriAct
November 23, 2018	10:10:28	EST	200	3.335	CAD	TriAct
November 23, 2018	10:10:33	EST	100	3.335	CAD	TriAct
November 23, 2018	10:10:37	EST	100	3.335	CAD	TriAct
November 23, 2018	10:11:02	EST	100	3.335	CAD	TriAct
November 23, 2018	10:11:03	EST	500	3.335	CAD	TriAct
November 23, 2018	10:11:03	EST	100	3.335	CAD	TriAct
November 23, 2018	10:11:07	EST	600	3.325	CAD	TriAct
November 23, 2018	10:11:13	EST	400	3.325	CAD	TriAct
November 23, 2018	10:11:17	EST	200	3.325	CAD	TriAct
November 23, 2018	10:11:22	EST	100	3.325	CAD	TriAct
November 23, 2018	10:11:28	EST	100	3.325	CAD	TriAct
November 23, 2018	10:11:32	EST	100	3.325	CAD	TriAct
November 23, 2018	10:11:47	EST	100	3.325	CAD	TriAct
November 23, 2018	10:12:06	EST	500	3.325	CAD	TriAct
November 23, 2018	10:12:12	EST	100	3.325	CAD	TriAct
November 23, 2018	10:14:35	EST	100	3.31	CAD	TSX
November 23, 2018	10:14:35	EST	100	3.31	CAD	TSX
November 23, 2018	10:17:19	EST	100	3.31	CAD	TSX
November 23, 2018	10:17:19	EST	600	3.31	CAD	TSX
November 23, 2018	10:17:19	EST	700	3.31	CAD	TSX
November 23, 2018	10:17:19	EST	3400	3.31	CAD	TSX
November 23, 2018	10:17:19	EST	1200	3.3	CAD	TSX

November 23, 2018	10:17:19	EST	200	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	100	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	100	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	100	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	400	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	400	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	700	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	300	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	700	3.3	CAD	TSX
November 23, 2018	10:17:19	EST	1900	3.3	CAD	TSX
November 23, 2018	10:31:25	EST	100	3.295	CAD	TriAct
November 23, 2018	10:31:28	EST	100	3.295	CAD	TriAct
November 23, 2018	10:40:26	EST	100	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	500	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	1300	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	900	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	100	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	800	3.31	CAD	TSX
November 23, 2018	10:43:52	EST	1300	3.31	CAD	TSX
November 23, 2018	11:00:38	EST	4800	3.325	CAD	TriAct
November 23, 2018	11:01:18	EST	5000	3.325	CAD	TriAct
November 23, 2018	11:21:20	EST	10000	3.325	CAD	TriAct
November 23, 2018	12:01:52	EST	100	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	900	3.35	CAD	Omega
November 23, 2018	12:01:52	EST	800	3.35	CAD	Omega
November 23, 2018	12:01:52	EST	2800	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	100	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	100	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	100	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	1400	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	400	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	400	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	600	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	100	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	400	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	1200	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	400	3.35	CAD	TSX
November 23, 2018	12:01:52	EST	200	3.35	CAD	NEO
November 23, 2018	12:52:42	EST	700	3.355	CAD	TriAct
November 23, 2018	12:52:44	EST	1500	3.355	CAD	TriAct
November 23, 2018	12:52:50	EST	900	3.355	CAD	TriAct
November 23, 2018	12:52:56	EST	500	3.355	CAD	TriAct
November 23, 2018	12:53:00	EST	300	3.355	CAD	TriAct
November 23, 2018	12:53:05	EST	200	3.355	CAD	TriAct
November 23, 2018	12:53:11	EST	100	3.355	CAD	TriAct
November 23, 2018	12:57:05	EST	100	3.355	CAD	TriAct
November 23, 2018	12:57:36	EST	100	3.355	CAD	TriAct
November 23, 2018	13:05:27	EST	400	3.37	CAD	Chi-X
November 23, 2018	13:05:27	EST	1600	3.37	CAD	Chi-X
November 23, 2018	13:05:27	EST	700	3.37	CAD	TSX

November 23, 2018	13:05:27	EST	500	3.37	CAD	TSX
November 23, 2018	13:05:27	EST	300	3.37	CAD	TSX
November 23, 2018	13:05:27	EST	700	3.37	CAD	TSX
November 23, 2018	13:05:27	EST	200	3.37	CAD	TSX
November 23, 2018	13:05:27	EST	1200	3.37	CAD	TSX
November 23, 2018	13:09:44	EST	2000	3.38	CAD	Alpha
November 23, 2018	13:09:44	EST	3000	3.38	CAD	Alpha