

GRAN TIERRA ENERGY INC.

Company Announcement – Transaction in Own Shares

April 23, 2019

On March 11, 2019 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 2019 NCIB on March 13, 2019. Pursuant to the NCIB, Gran Tierra may purchase for cancellation up to 19,353,951 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 13, 2019 and will expire on March 12, 2020 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 April 15, 2019 to April 18, 2019:

Transaction Date	Daily total volume (# Shares)	Daily volume weighted average price of shares acquired (CAD)	Gross Value (CAD)
April 15, 2019	167,525	\$3.38	\$565,711.25
April 16, 2019	167,525	\$3.30	\$553,526.50
April 17, 2019	167,525	\$3.25	\$545,066.75
April 18, 2019	167,525	\$3.19	\$535,226.50

Exchange Aggregated Data

	Platform	Apr. 15, 2019	Apr. 16, 2019	Apr. 17, 2019	Apr. 18, 2019
Volume	TSX	80,925	73,725	68,425	79,925
	Pure	6,600	5,000	5,700	7,600
	Chi-X	21,800	29,500	22,300	16,200
	Omega	0	100	4,700	9,400
	Alpha	0	100	0	0
	NEO	58,200	59,100	66,400	54,400
Volume weighted average price (CAD)	TSX	\$3.37	\$3.30	\$3.26	\$3.19
	Pure	\$3.38	\$3.31	\$3.21	\$3.20
	Chi-X	\$3.37	\$3.30	\$3.24	\$3.19
	Omega	-	\$3.31	\$3.22	\$3.20
	Alpha	-	\$3.31	-	-
	NEO	\$3.38	\$3.30	\$3.26	\$3.20

All transactions were made under ISIN US38500T1016 and effected by RBC Dominion Securities Inc. 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 381,812,332 issued and outstanding shares.

Contact Information:

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Date	Transaction Time	Time Zone	Volume	Price	Currency	Platform
April 15, 2019	09:31:55	EDT	800	3.34	CAD	NEO
April 15, 2019	09:31:55	EDT	200	3.34	CAD	NEO
April 15, 2019	09:32:23	EDT	900	3.34	CAD	TSX
April 15, 2019	09:32:23	EDT	100	3.34	CAD	TSX
April 15, 2019	09:35:41	EDT	100	3.34	CAD	NEO
April 15, 2019	09:35:41	EDT	1600	3.34	CAD	Chi-X
April 15, 2019	09:36:10	EDT	100	3.34	CAD	TSX
April 15, 2019	09:36:58	EDT	100	3.34	CAD	TSX
April 15, 2019	09:37:11	EDT	2200	3.34	CAD	TSX
April 15, 2019	09:37:11	EDT	200	3.34	CAD	TSX
April 15, 2019	09:39:57	EDT	100	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	800	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	1800	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	1500	3.35	CAD	NEO
April 15, 2019	09:42:20	EDT	600	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	700	3.35	CAD	NEO
April 15, 2019	09:42:20	EDT	500	3.35	CAD	NEO
April 15, 2019	09:42:20	EDT	200	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	600	3.35	CAD	TSX
April 15, 2019	09:42:20	EDT	100	3.35	CAD	TSX
April 15, 2019	09:42:21	EDT	300	3.35	CAD	TSX
April 15, 2019	09:42:21	EDT	300	3.35	CAD	NEO
April 15, 2019	09:42:21	EDT	500	3.35	CAD	NEO
April 15, 2019	09:42:21	EDT	300	3.35	CAD	NEO
April 15, 2019	09:42:21	EDT	500	3.35	CAD	NEO
April 15, 2019	09:42:21	EDT	200	3.35	CAD	NEO
April 15, 2019	09:51:17	EDT	200	3.36	CAD	TSX
April 15, 2019	09:51:17	EDT	600	3.36	CAD	TSX
April 15, 2019	09:51:17	EDT	700	3.36	CAD	TSX
April 15, 2019	09:52:21	EDT	1500	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	400	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	100	3.37	CAD	NEO
April 15, 2019	09:52:21	EDT	100	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	100	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	100	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	200	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	200	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	100	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	300	3.37	CAD	TSX
April 15, 2019	09:52:21	EDT	1500	3.37	CAD	Chi-X
April 15, 2019	09:52:21	EDT	200	3.37	CAD	TSX
April 15, 2019	09:53:37	EDT	400	3.36	CAD	TSX
April 15, 2019	09:53:37	EDT	600	3.36	CAD	NEO
April 15, 2019	10:06:47	EDT	1400	3.4	CAD	NEO
April 15, 2019	10:06:47	EDT	400	3.4	CAD	TSX
April 15, 2019	10:06:47	EDT	1400	3.4	CAD	NEO

April 15, 2019	10:06:47	EDT	400	3.4	CAD	NEO
April 15, 2019	10:06:47	EDT	300	3.4	CAD	NEO
April 15, 2019	10:06:47	EDT	500	3.4	CAD	TSX
April 15, 2019	10:06:47	EDT	600	3.4	CAD	TSX
April 15, 2019	10:06:47	EDT	700	3.4	CAD	NEO
April 15, 2019	10:06:47	EDT	100	3.4	CAD	NEO
April 15, 2019	10:06:49	EDT	1300	3.4	CAD	TSX
April 15, 2019	10:06:49	EDT	1100	3.4	CAD	TSX
April 15, 2019	10:06:49	EDT	300	3.4	CAD	TSX
April 15, 2019	10:06:49	EDT	1300	3.4	CAD	NEO
April 15, 2019	10:10:19	EDT	100	3.4	CAD	NEO
April 15, 2019	10:18:33	EDT	1800	3.41	CAD	NEO
April 15, 2019	10:20:40	EDT	1900	3.41	CAD	TSX
April 15, 2019	10:20:40	EDT	1900	3.41	CAD	NEO
April 15, 2019	10:20:40	EDT	1300	3.41	CAD	NEO
April 15, 2019	10:20:41	EDT	600	3.41	CAD	NEO
April 15, 2019	10:20:41	EDT	300	3.41	CAD	TSX
April 15, 2019	10:20:43	EDT	600	3.41	CAD	NEO
April 15, 2019	10:20:48	EDT	1200	3.41	CAD	TSX
April 15, 2019	10:20:48	EDT	1300	3.41	CAD	NEO
April 15, 2019	10:20:48	EDT	300	3.41	CAD	TSX
April 15, 2019	10:20:48	EDT	1500	3.41	CAD	TSX
April 15, 2019	10:20:48	EDT	500	3.41	CAD	TSX
April 15, 2019	10:20:48	EDT	100	3.41	CAD	NEO
April 15, 2019	10:26:00	EDT	700	3.4	CAD	NEO
April 15, 2019	10:26:00	EDT	300	3.4	CAD	NEO
April 15, 2019	10:26:00	EDT	800	3.4	CAD	TSX
April 15, 2019	10:26:00	EDT	200	3.4	CAD	TSX
April 15, 2019	10:29:10	EDT	100	3.39	CAD	NEO
April 15, 2019	10:29:10	EDT	100	3.39	CAD	NEO
April 15, 2019	10:29:10	EDT	800	3.39	CAD	TSX
April 15, 2019	10:29:10	EDT	200	3.39	CAD	TSX
April 15, 2019	10:29:10	EDT	800	3.39	CAD	NEO
April 15, 2019	10:43:19	EDT	800	3.39	CAD	Chi-X
April 15, 2019	10:43:20	EDT	500	3.39	CAD	TSX
April 15, 2019	10:43:20	EDT	1000	3.39	CAD	TSX
April 15, 2019	10:43:20	EDT	100	3.39	CAD	TSX
April 15, 2019	10:43:20	EDT	1000	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	300	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	800	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	200	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	100	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	1000	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	700	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	1300	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	200	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	300	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	100	3.39	CAD	TSX

April 15, 2019	10:43:52	EDT	300	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	100	3.39	CAD	TSX
April 15, 2019	10:43:52	EDT	100	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	100	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	1000	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	300	3.39	CAD	NEO
April 15, 2019	10:43:52	EDT	200	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	100	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	500	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	200	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	1200	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	800	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	700	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	100	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	100	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	100	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	300	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	200	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	200	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	1800	3.39	CAD	TSX
April 15, 2019	11:02:14	EDT	500	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	2700	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	100	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	1000	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	500	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	200	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	500	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	300	3.39	CAD	NEO
April 15, 2019	11:02:14	EDT	200	3.39	CAD	NEO
April 15, 2019	11:06:17	EDT	600	3.38	CAD	TSX
April 15, 2019	11:06:17	EDT	100	3.38	CAD	TSX
April 15, 2019	11:06:18	EDT	100	3.38	CAD	TSX
April 15, 2019	11:06:18	EDT	100	3.38	CAD	TSX
April 15, 2019	11:07:17	EDT	100	3.38	CAD	TSX
April 15, 2019	11:08:27	EDT	2200	3.38	CAD	NEO
April 15, 2019	11:08:27	EDT	2600	3.38	CAD	TSX
April 15, 2019	11:08:27	EDT	400	3.38	CAD	NEO
April 15, 2019	11:12:14	EDT	800	3.37	CAD	TSX
April 15, 2019	11:12:59	EDT	200	3.37	CAD	TSX
April 15, 2019	11:13:59	EDT	100	3.37	CAD	NEO
April 15, 2019	11:14:04	EDT	100	3.37	CAD	NEO
April 15, 2019	11:18:12	EDT	900	3.38	CAD	NEO
April 15, 2019	11:18:12	EDT	500	3.38	CAD	NEO
April 15, 2019	11:23:17	EDT	300	3.38	CAD	TSX
April 15, 2019	11:23:17	EDT	700	3.38	CAD	TSX
April 15, 2019	11:23:17	EDT	600	3.38	CAD	TSX
April 15, 2019	11:25:04	EDT	900	3.37	CAD	TSX
April 15, 2019	11:25:04	EDT	400	3.37	CAD	TSX

April 15, 2019	11:25:04	EDT	400	3.37	CAD	TSX
April 15, 2019	11:25:04	EDT	100	3.37	CAD	NEO
April 15, 2019	11:25:04	EDT	200	3.37	CAD	NEO
April 15, 2019	11:25:04	EDT	400	3.37	CAD	NEO
April 15, 2019	11:35:24	EDT	500	3.38	CAD	TSX
April 15, 2019	11:35:24	EDT	400	3.38	CAD	TSX
April 15, 2019	11:35:24	EDT	1000	3.38	CAD	TSX
April 15, 2019	11:48:45	EDT	1700	3.38	CAD	Chi-X
April 15, 2019	11:48:45	EDT	600	3.38	CAD	Pure
April 15, 2019	11:48:45	EDT	200	3.38	CAD	NEO
April 15, 2019	11:48:45	EDT	100	3.38	CAD	NEO
April 15, 2019	11:48:45	EDT	300	3.38	CAD	NEO
April 15, 2019	11:48:45	EDT	100	3.38	CAD	NEO
April 15, 2019	11:48:45	EDT	200	3.38	CAD	NEO
April 15, 2019	11:48:45	EDT	400	3.38	CAD	Pure
April 15, 2019	11:48:45	EDT	800	3.38	CAD	NEO
April 15, 2019	11:50:46	EDT	100	3.38	CAD	Pure
April 15, 2019	11:50:46	EDT	800	3.38	CAD	NEO
April 15, 2019	11:53:50	EDT	100	3.38	CAD	NEO
April 15, 2019	11:53:50	EDT	600	3.38	CAD	Pure
April 15, 2019	11:53:50	EDT	400	3.38	CAD	Pure
April 15, 2019	12:01:08	EDT	600	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	300	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	300	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	100	3.37	CAD	NEO
April 15, 2019	12:01:08	EDT	800	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	500	3.37	CAD	Pure
April 15, 2019	12:01:08	EDT	800	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	1000	3.37	CAD	Chi-X
April 15, 2019	12:01:08	EDT	300	3.37	CAD	Pure
April 15, 2019	12:06:11	EDT	400	3.37	CAD	Chi-X
April 15, 2019	12:06:11	EDT	300	3.37	CAD	Chi-X
April 15, 2019	12:06:11	EDT	800	3.37	CAD	Chi-X
April 15, 2019	12:07:41	EDT	1200	3.37	CAD	TSX
April 15, 2019	12:07:41	EDT	1300	3.37	CAD	NEO
April 15, 2019	12:07:41	EDT	500	3.37	CAD	TSX
April 15, 2019	12:07:41	EDT	500	3.37	CAD	NEO
April 15, 2019	12:42:54	EDT	600	3.37	CAD	TSX
April 15, 2019	12:42:54	EDT	600	3.37	CAD	TSX
April 15, 2019	12:42:54	EDT	100	3.37	CAD	TSX
April 15, 2019	12:42:54	EDT	100	3.37	CAD	TSX
April 15, 2019	12:42:54	EDT	600	3.37	CAD	Chi-X
April 15, 2019	12:47:16	EDT	600	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	1000	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	1000	3.38	CAD	Chi-X
April 15, 2019	12:47:16	EDT	800	3.38	CAD	Chi-X
April 15, 2019	12:47:16	EDT	700	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	500	3.38	CAD	TSX

April 15, 2019	12:47:16	EDT	100	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	100	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	200	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	100	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	100	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	200	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	400	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	2200	3.38	CAD	TSX
April 15, 2019	12:47:16	EDT	300	3.38	CAD	TSX
April 15, 2019	12:48:18	EDT	300	3.38	CAD	NEO
April 15, 2019	12:48:18	EDT	600	3.38	CAD	Pure
April 15, 2019	12:48:18	EDT	400	3.38	CAD	Pure
April 15, 2019	12:56:25	EDT	600	3.38	CAD	Pure
April 15, 2019	12:56:25	EDT	100	3.38	CAD	NEO
April 15, 2019	12:56:25	EDT	900	3.38	CAD	NEO
April 15, 2019	12:56:25	EDT	200	3.38	CAD	Chi-X
April 15, 2019	12:56:25	EDT	100	3.38	CAD	NEO
April 15, 2019	12:56:25	EDT	400	3.38	CAD	Pure
April 15, 2019	13:07:37	EDT	800	3.38	CAD	Chi-X
April 15, 2019	13:07:37	EDT	500	3.38	CAD	Pure
April 15, 2019	13:07:37	EDT	100	3.38	CAD	Chi-X
April 15, 2019	13:07:37	EDT	1200	3.38	CAD	Chi-X
April 15, 2019	13:07:37	EDT	200	3.38	CAD	NEO
April 15, 2019	13:07:37	EDT	300	3.38	CAD	Pure
April 15, 2019	13:18:55	EDT	300	3.38	CAD	NEO
April 15, 2019	13:18:55	EDT	700	3.38	CAD	Chi-X
April 15, 2019	13:18:55	EDT	900	3.38	CAD	Pure
April 15, 2019	13:18:55	EDT	400	3.38	CAD	Chi-X
April 15, 2019	13:18:55	EDT	100	3.38	CAD	Chi-X
April 15, 2019	13:18:55	EDT	1300	3.38	CAD	Chi-X
April 15, 2019	13:58:28	EDT	4900	3.38	CAD	NEO
April 15, 2019	13:58:28	EDT	3200	3.38	CAD	TSX
April 15, 2019	13:58:30	EDT	400	3.38	CAD	NEO
April 15, 2019	13:58:38	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	500	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	100	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	100	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	700	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	200	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	4000	3.38	CAD	TSX
April 15, 2019	14:13:55	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	100	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	400	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	200	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	500	3.38	CAD	NEO

April 15, 2019	14:13:55	EDT	700	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	3200	3.38	CAD	NEO
April 15, 2019	14:13:55	EDT	200	3.38	CAD	NEO
April 15, 2019	14:34:37	EDT	2400	3.36	CAD	NEO
April 15, 2019	14:34:38	EDT	100	3.36	CAD	NEO
April 15, 2019	14:34:39	EDT	1100	3.36	CAD	NEO
April 15, 2019	14:34:39	EDT	200	3.36	CAD	TSX
April 15, 2019	14:34:39	EDT	2200	3.36	CAD	TSX
April 15, 2019	14:34:40	EDT	800	3.36	CAD	Chi-X
April 15, 2019	14:34:43	EDT	100	3.36	CAD	TSX
April 15, 2019	14:34:43	EDT	200	3.36	CAD	TSX
April 15, 2019	14:44:15	EDT	300	3.35	CAD	TSX
April 15, 2019	14:44:15	EDT	200	3.35	CAD	TSX
April 15, 2019	14:44:15	EDT	100	3.35	CAD	TSX
April 15, 2019	14:44:15	EDT	200	3.35	CAD	TSX
April 15, 2019	14:44:53	EDT	200	3.35	CAD	TSX
April 15, 2019	14:45:42	EDT	100	3.35	CAD	NEO
April 15, 2019	14:45:43	EDT	600	3.35	CAD	NEO
April 15, 2019	14:45:43	EDT	100	3.35	CAD	NEO
April 15, 2019	14:45:43	EDT	200	3.35	CAD	Chi-X
April 15, 2019	14:56:50	EDT	100	3.345	CAD	TSX
April 15, 2019	14:56:50	EDT	1000	3.35	CAD	TSX
April 15, 2019	14:56:50	EDT	100	3.35	CAD	TSX
April 15, 2019	14:56:50	EDT	300	3.35	CAD	TSX
April 15, 2019	14:56:50	EDT	500	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	900	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	300	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	600	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	1600	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	700	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	2000	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	1000	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	1900	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	200	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	100	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	2500	3.35	CAD	TSX
April 15, 2019	15:11:41	EDT	25	3.35	CAD	TSX
April 16, 2019	09:32:47	EDT	600	3.33	CAD	NEO
April 16, 2019	09:32:47	EDT	100	3.33	CAD	TSX
April 16, 2019	09:32:47	EDT	100	3.33	CAD	NEO
April 16, 2019	09:32:47	EDT	900	3.33	CAD	TSX
April 16, 2019	09:32:47	EDT	300	3.33	CAD	NEO

April 16, 2019	09:34:38	EDT	800	3.32	CAD	TSX
April 16, 2019	09:34:38	EDT	200	3.32	CAD	NEO
April 16, 2019	09:34:38	EDT	200	3.32	CAD	TSX
April 16, 2019	09:34:38	EDT	800	3.32	CAD	NEO
April 16, 2019	09:36:23	EDT	800	3.31	CAD	TSX
April 16, 2019	09:36:23	EDT	200	3.31	CAD	TSX
April 16, 2019	09:36:23	EDT	800	3.31	CAD	NEO
April 16, 2019	09:36:23	EDT	100	3.31	CAD	NEO
April 16, 2019	09:36:23	EDT	200	3.31	CAD	NEO
April 16, 2019	09:38:25	EDT	800	3.31	CAD	TSX
April 16, 2019	09:38:25	EDT	100	3.31	CAD	Alpha
April 16, 2019	09:38:25	EDT	300	3.31	CAD	TSX
April 16, 2019	09:39:53	EDT	2100	3.31	CAD	TSX
April 16, 2019	09:39:53	EDT	2100	3.31	CAD	NEO
April 16, 2019	09:40:33	EDT	100	3.31	CAD	NEO
April 16, 2019	09:41:43	EDT	900	3.31	CAD	TSX
April 16, 2019	09:41:43	EDT	100	3.31	CAD	NEO
April 16, 2019	09:41:43	EDT	100	3.31	CAD	TSX
April 16, 2019	09:41:43	EDT	1000	3.31	CAD	NEO
April 16, 2019	09:43:17	EDT	900	3.3	CAD	NEO
April 16, 2019	09:43:17	EDT	200	3.3	CAD	NEO
April 16, 2019	09:44:04	EDT	1000	3.3	CAD	TSX
April 16, 2019	09:49:15	EDT	500	3.31	CAD	NEO
April 16, 2019	09:49:15	EDT	1200	3.31	CAD	NEO
April 16, 2019	09:49:15	EDT	700	3.31	CAD	TSX
April 16, 2019	09:49:15	EDT	1700	3.31	CAD	TSX
April 16, 2019	09:49:15	EDT	500	3.31	CAD	NEO
April 16, 2019	09:49:15	EDT	300	3.31	CAD	NEO
April 16, 2019	09:52:07	EDT	700	3.28	CAD	NEO
April 16, 2019	09:52:07	EDT	100	3.28	CAD	NEO
April 16, 2019	09:52:07	EDT	300	3.28	CAD	NEO
April 16, 2019	09:52:07	EDT	100	3.28	CAD	TSX
April 16, 2019	09:52:07	EDT	900	3.28	CAD	TSX
April 16, 2019	09:58:57	EDT	600	3.29	CAD	TSX
April 16, 2019	09:58:57	EDT	200	3.29	CAD	NEO
April 16, 2019	09:58:57	EDT	300	3.29	CAD	TSX
April 16, 2019	09:58:57	EDT	500	3.29	CAD	TSX
April 16, 2019	09:58:57	EDT	100	3.29	CAD	TSX
April 16, 2019	09:58:57	EDT	600	3.29	CAD	TSX
April 16, 2019	10:00:00	EDT	1000	3.3	CAD	Chi-X
April 16, 2019	10:01:03	EDT	800	3.31	CAD	Chi-X
April 16, 2019	10:01:03	EDT	100	3.31	CAD	Chi-X
April 16, 2019	10:02:06	EDT	100	3.31	CAD	TSX
April 16, 2019	10:02:06	EDT	600	3.31	CAD	TSX
April 16, 2019	10:02:06	EDT	300	3.31	CAD	TSX
April 16, 2019	10:02:06	EDT	300	3.31	CAD	TSX
April 16, 2019	10:05:14	EDT	500	3.31	CAD	TSX
April 16, 2019	10:05:14	EDT	100	3.31	CAD	NEO

April 16, 2019	10:05:14	EDT	200	3.31	CAD	TSX
April 16, 2019	10:05:14	EDT	1300	3.31	CAD	Chi-X
April 16, 2019	10:05:14	EDT	100	3.31	CAD	Chi-X
April 16, 2019	10:07:08	EDT	400	3.31	CAD	NEO
April 16, 2019	10:07:08	EDT	1700	3.31	CAD	TSX
April 16, 2019	10:07:08	EDT	600	3.31	CAD	TSX
April 16, 2019	10:07:08	EDT	1300	3.31	CAD	NEO
April 16, 2019	10:07:08	EDT	700	3.31	CAD	NEO
April 16, 2019	10:08:18	EDT	100	3.3	CAD	TSX
April 16, 2019	10:08:18	EDT	900	3.3	CAD	TSX
April 16, 2019	10:08:18	EDT	100	3.3	CAD	NEO
April 16, 2019	10:08:18	EDT	800	3.3	CAD	NEO
April 16, 2019	10:08:18	EDT	100	3.3	CAD	NEO
April 16, 2019	10:12:46	EDT	700	3.32	CAD	TSX
April 16, 2019	10:12:46	EDT	300	3.32	CAD	TSX
April 16, 2019	10:13:15	EDT	1100	3.32	CAD	NEO
April 16, 2019	10:13:15	EDT	500	3.32	CAD	NEO
April 16, 2019	10:13:15	EDT	200	3.32	CAD	NEO
April 16, 2019	10:13:34	EDT	600	3.32	CAD	TSX
April 16, 2019	10:13:34	EDT	1000	3.32	CAD	TSX
April 16, 2019	10:13:34	EDT	200	3.32	CAD	TSX
April 16, 2019	10:21:19	EDT	100	3.32	CAD	TSX
April 16, 2019	10:21:19	EDT	900	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	600	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	100	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	100	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	700	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	100	3.32	CAD	TSX
April 16, 2019	10:25:24	EDT	100	3.32	CAD	TSX
April 16, 2019	10:26:37	EDT	600	3.31	CAD	NEO
April 16, 2019	10:26:37	EDT	200	3.31	CAD	TSX
April 16, 2019	10:26:37	EDT	300	3.31	CAD	TSX
April 16, 2019	10:26:37	EDT	1600	3.31	CAD	TSX
April 16, 2019	10:26:37	EDT	100	3.31	CAD	TSX
April 16, 2019	10:26:37	EDT	200	3.31	CAD	NEO
April 16, 2019	10:26:37	EDT	600	3.31	CAD	NEO
April 16, 2019	10:26:37	EDT	800	3.31	CAD	NEO
April 16, 2019	10:32:28	EDT	100	3.31	CAD	NEO
April 16, 2019	10:32:46	EDT	100	3.31	CAD	NEO
April 16, 2019	10:32:48	EDT	100	3.31	CAD	NEO
April 16, 2019	10:33:18	EDT	100	3.31	CAD	NEO
April 16, 2019	10:34:48	EDT	400	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	900	3.31	CAD	TSX
April 16, 2019	10:34:53	EDT	100	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	400	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	700	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	300	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	200	3.31	CAD	TSX

April 16, 2019	10:34:53	EDT	400	3.31	CAD	TSX
April 16, 2019	10:34:53	EDT	1500	3.31	CAD	TSX
April 16, 2019	10:34:53	EDT	300	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	200	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	100	3.31	CAD	NEO
April 16, 2019	10:34:53	EDT	600	3.31	CAD	NEO
April 16, 2019	10:43:06	EDT	700	3.3	CAD	NEO
April 16, 2019	10:43:06	EDT	400	3.3	CAD	NEO
April 16, 2019	10:45:05	EDT	800	3.31	CAD	Chi-X
April 16, 2019	10:45:05	EDT	100	3.31	CAD	Chi-X
April 16, 2019	10:45:05	EDT	400	3.31	CAD	Chi-X
April 16, 2019	10:47:06	EDT	100	3.31	CAD	TSX
April 16, 2019	10:47:06	EDT	600	3.31	CAD	TSX
April 16, 2019	10:47:06	EDT	600	3.31	CAD	TSX
April 16, 2019	10:51:03	EDT	900	3.3	CAD	TSX
April 16, 2019	10:51:03	EDT	100	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	800	3.3	CAD	TSX
April 16, 2019	10:51:03	EDT	100	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	200	3.3	CAD	TSX
April 16, 2019	10:51:03	EDT	100	3.3	CAD	TSX
April 16, 2019	10:51:03	EDT	700	3.3	CAD	TSX
April 16, 2019	10:51:03	EDT	100	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	700	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	100	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	600	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	200	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	500	3.3	CAD	NEO
April 16, 2019	10:51:03	EDT	300	3.3	CAD	NEO
April 16, 2019	10:55:44	EDT	300	3.3	CAD	TSX
April 16, 2019	10:55:44	EDT	1000	3.3	CAD	TSX
April 16, 2019	11:00:54	EDT	100	3.29	CAD	NEO
April 16, 2019	11:01:25	EDT	100	3.29	CAD	NEO
April 16, 2019	11:01:37	EDT	100	3.29	CAD	NEO
April 16, 2019	11:03:47	EDT	100	3.29	CAD	TSX
April 16, 2019	11:03:47	EDT	1300	3.29	CAD	TSX
April 16, 2019	11:03:47	EDT	1100	3.29	CAD	NEO
April 16, 2019	11:03:47	EDT	2500	3.29	CAD	NEO
April 16, 2019	11:03:47	EDT	2500	3.29	CAD	TSX
April 16, 2019	11:03:47	EDT	400	3.29	CAD	NEO
April 16, 2019	11:15:58	EDT	3000	3.29	CAD	Chi-X
April 16, 2019	11:15:58	EDT	600	3.29	CAD	TSX
April 16, 2019	11:15:58	EDT	800	3.29	CAD	Chi-X
April 16, 2019	11:15:58	EDT	700	3.29	CAD	TSX
April 16, 2019	11:16:43	EDT	1200	3.29	CAD	TSX
April 16, 2019	11:16:43	EDT	100	3.29	CAD	TSX
April 16, 2019	11:16:43	EDT	1900	3.29	CAD	NEO
April 16, 2019	11:16:43	EDT	100	3.29	CAD	NEO
April 16, 2019	11:16:43	EDT	600	3.29	CAD	TSX

April 16, 2019	11:20:33	EDT	800	3.27	CAD	NEO
April 16, 2019	11:20:33	EDT	200	3.27	CAD	NEO
April 16, 2019	11:20:33	EDT	200	3.27	CAD	TSX
April 16, 2019	11:20:33	EDT	800	3.27	CAD	TSX
April 16, 2019	11:33:08	EDT	100	3.28	CAD	NEO
April 16, 2019	11:33:08	EDT	100	3.28	CAD	Chi-X
April 16, 2019	11:33:08	EDT	800	3.28	CAD	Chi-X
April 16, 2019	11:33:08	EDT	100	3.28	CAD	NEO
April 16, 2019	11:37:14	EDT	300	3.29	CAD	TSX
April 16, 2019	11:37:14	EDT	400	3.29	CAD	TSX
April 16, 2019	11:37:14	EDT	400	3.29	CAD	TSX
April 16, 2019	11:37:14	EDT	100	3.29	CAD	Pure
April 16, 2019	11:37:14	EDT	600	3.29	CAD	Pure
April 16, 2019	11:37:14	EDT	400	3.29	CAD	Pure
April 16, 2019	11:43:20	EDT	100	3.29	CAD	TSX
April 16, 2019	11:43:20	EDT	900	3.29	CAD	TSX
April 16, 2019	11:43:20	EDT	200	3.29	CAD	TSX
April 16, 2019	11:43:20	EDT	100	3.29	CAD	TSX
April 16, 2019	11:43:20	EDT	600	3.29	CAD	TSX
April 16, 2019	11:43:20	EDT	200	3.29	CAD	TSX
April 16, 2019	11:54:38	EDT	600	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	700	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	900	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	1000	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	300	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	600	3.3	CAD	TSX
April 16, 2019	11:54:38	EDT	100	3.3	CAD	TSX
April 16, 2019	11:56:07	EDT	200	3.29	CAD	NEO
April 16, 2019	11:57:44	EDT	1500	3.3	CAD	NEO
April 16, 2019	12:05:39	EDT	700	3.29	CAD	NEO
April 16, 2019	12:07:02	EDT	1000	3.3	CAD	TSX
April 16, 2019	12:07:02	EDT	100	3.3	CAD	Chi-X
April 16, 2019	12:07:02	EDT	1400	3.3	CAD	Chi-X
April 16, 2019	12:07:02	EDT	100	3.3	CAD	Chi-X
April 16, 2019	12:07:02	EDT	600	3.3	CAD	Chi-X
April 16, 2019	12:09:02	EDT	100	3.3	CAD	Chi-X
April 16, 2019	12:09:02	EDT	100	3.3	CAD	Chi-X
April 16, 2019	12:09:02	EDT	700	3.3	CAD	Chi-X
April 16, 2019	12:13:06	EDT	600	3.3	CAD	Chi-X
April 16, 2019	12:13:06	EDT	500	3.3	CAD	Chi-X
April 16, 2019	12:13:06	EDT	100	3.3	CAD	Chi-X
April 16, 2019	12:18:07	EDT	100	3.31	CAD	NEO
April 16, 2019	12:18:07	EDT	500	3.31	CAD	Pure
April 16, 2019	12:18:07	EDT	300	3.31	CAD	Pure
April 16, 2019	12:24:17	EDT	600	3.31	CAD	Pure
April 16, 2019	12:24:17	EDT	400	3.31	CAD	Pure
April 16, 2019	12:24:17	EDT	1700	3.31	CAD	Chi-X
April 16, 2019	12:26:18	EDT	100	3.31	CAD	Pure

April 16, 2019	12:26:18	EDT	100	3.31	CAD	NEO
April 16, 2019	12:26:18	EDT	500	3.31	CAD	Chi-X
April 16, 2019	12:26:18	EDT	100	3.31	CAD	Chi-X
April 16, 2019	12:26:18	EDT	100	3.31	CAD	NEO
April 16, 2019	12:32:27	EDT	1400	3.31	CAD	Chi-X
April 16, 2019	12:32:27	EDT	800	3.31	CAD	Chi-X
April 16, 2019	12:32:27	EDT	100	3.31	CAD	Chi-X
April 16, 2019	12:50:53	EDT	100	3.32	CAD	NEO
April 16, 2019	12:51:49	EDT	100	3.32	CAD	NEO
April 16, 2019	12:51:49	EDT	100	3.32	CAD	NEO
April 16, 2019	12:51:59	EDT	100	3.32	CAD	NEO
April 16, 2019	12:52:10	EDT	300	3.32	CAD	NEO
April 16, 2019	12:52:22	EDT	100	3.32	CAD	NEO
April 16, 2019	12:52:39	EDT	100	3.32	CAD	NEO
April 16, 2019	12:52:47	EDT	100	3.32	CAD	NEO
April 16, 2019	12:52:49	EDT	2600	3.32	CAD	NEO
April 16, 2019	12:52:49	EDT	2800	3.32	CAD	TSX
April 16, 2019	12:52:49	EDT	2300	3.32	CAD	NEO
April 16, 2019	12:52:49	EDT	2200	3.32	CAD	TSX
April 16, 2019	13:00:51	EDT	900	3.3	CAD	NEO
April 16, 2019	13:01:10	EDT	300	3.3	CAD	TSX
April 16, 2019	13:01:10	EDT	100	3.3	CAD	NEO
April 16, 2019	13:15:19	EDT	300	3.305	CAD	TSX
April 16, 2019	13:15:19	EDT	500	3.31	CAD	TSX
April 16, 2019	13:15:19	EDT	200	3.31	CAD	TSX
April 16, 2019	13:15:19	EDT	100	3.31	CAD	TSX
April 16, 2019	13:15:42	EDT	100	3.3	CAD	NEO
April 16, 2019	13:16:39	EDT	100	3.3	CAD	NEO
April 16, 2019	13:16:48	EDT	300	3.3	CAD	TSX
April 16, 2019	13:16:48	EDT	300	3.3	CAD	TSX
April 16, 2019	13:20:24	EDT	800	3.31	CAD	Chi-X
April 16, 2019	13:20:24	EDT	100	3.31	CAD	Chi-X
April 16, 2019	13:20:24	EDT	100	3.305	CAD	Chi-X
April 16, 2019	13:20:24	EDT	100	3.31	CAD	Chi-X
April 16, 2019	13:20:24	EDT	300	3.31	CAD	Chi-X
April 16, 2019	13:22:25	EDT	200	3.31	CAD	Chi-X
April 16, 2019	13:22:25	EDT	1100	3.31	CAD	Chi-X
April 16, 2019	13:22:25	EDT	100	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	200	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	200	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	1400	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	100	3.31	CAD	TSX
April 16, 2019	13:33:43	EDT	100	3.31	CAD	TSX
April 16, 2019	13:33:43	EDT	800	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	200	3.31	CAD	TSX
April 16, 2019	13:33:43	EDT	200	3.31	CAD	TSX
April 16, 2019	13:33:43	EDT	300	3.31	CAD	Chi-X
April 16, 2019	13:33:43	EDT	100	3.31	CAD	Chi-X

April 16, 2019	13:37:46	EDT	100	3.31	CAD	NEO
April 16, 2019	13:37:46	EDT	600	3.31	CAD	Chi-X
April 16, 2019	13:37:46	EDT	500	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	100	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	600	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	800	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	100	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	200	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	100	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	500	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	800	3.31	CAD	Chi-X
April 16, 2019	13:57:13	EDT	300	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	100	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	100	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	600	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	900	3.31	CAD	TSX
April 16, 2019	13:57:13	EDT	100	3.31	CAD	TSX
April 16, 2019	14:09:26	EDT	3200	3.3	CAD	TSX
April 16, 2019	14:09:26	EDT	2400	3.3	CAD	NEO
April 16, 2019	14:09:26	EDT	800	3.3	CAD	NEO
April 16, 2019	14:25:09	EDT	100	3.31	CAD	NEO
April 16, 2019	14:25:09	EDT	100	3.31	CAD	Chi-X
April 16, 2019	14:25:09	EDT	600	3.31	CAD	Pure
April 16, 2019	14:25:09	EDT	100	3.31	CAD	NEO
April 16, 2019	14:25:09	EDT	700	3.31	CAD	Chi-X
April 16, 2019	14:25:09	EDT	400	3.31	CAD	Pure
April 16, 2019	14:31:15	EDT	100	3.31	CAD	Pure
April 16, 2019	14:31:15	EDT	200	3.31	CAD	Chi-X
April 16, 2019	14:31:15	EDT	300	3.31	CAD	Chi-X
April 16, 2019	14:31:15	EDT	700	3.31	CAD	NEO
April 16, 2019	14:31:15	EDT	100	3.31	CAD	NEO
April 16, 2019	14:31:15	EDT	100	3.31	CAD	NEO
April 16, 2019	14:31:15	EDT	500	3.31	CAD	Pure
April 16, 2019	14:31:15	EDT	400	3.31	CAD	Pure
April 16, 2019	14:31:15	EDT	100	3.31	CAD	Omega
April 16, 2019	14:33:58	EDT	800	3.3	CAD	NEO
April 16, 2019	14:33:58	EDT	900	3.3	CAD	NEO
April 16, 2019	14:33:58	EDT	100	3.3	CAD	TSX
April 16, 2019	14:33:58	EDT	1600	3.3	CAD	TSX
April 16, 2019	14:33:58	EDT	100	3.3	CAD	TSX
April 16, 2019	14:33:58	EDT	100	3.3	CAD	NEO
April 16, 2019	14:39:22	EDT	100	3.29	CAD	NEO
April 16, 2019	14:47:51	EDT	100	3.29	CAD	NEO
April 16, 2019	14:47:53	EDT	100	3.29	CAD	NEO
April 16, 2019	14:49:48	EDT	400	3.29	CAD	NEO
April 16, 2019	14:51:40	EDT	500	3.29	CAD	NEO
April 16, 2019	14:58:08	EDT	500	3.29	CAD	NEO
April 16, 2019	15:06:28	EDT	500	3.29	CAD	NEO

April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	NEO
April 16, 2019	15:06:47	EDT	500	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1100	3.3	CAD	NEO
April 16, 2019	15:06:47	EDT	600	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	700	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1000	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1300	3.3	CAD	NEO
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1200	3.3	CAD	NEO
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1600	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	400	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1400	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	400	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	100	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	25	3.3	CAD	TSX
April 16, 2019	15:06:47	EDT	1500	3.3	CAD	NEO
April 16, 2019	15:06:48	EDT	2100	3.3	CAD	NEO
April 17, 2019	09:36:00	EDT	800	3.32	CAD	TSX
April 17, 2019	09:36:00	EDT	700	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	700	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	700	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	2200	3.32	CAD	TSX
April 17, 2019	09:36:00	EDT	100	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	500	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	100	3.32	CAD	NEO
April 17, 2019	09:36:00	EDT	300	3.32	CAD	NEO
April 17, 2019	09:36:45	EDT	300	3.31	CAD	NEO
April 17, 2019	09:36:45	EDT	500	3.31	CAD	TSX
April 17, 2019	09:36:45	EDT	300	3.31	CAD	TSX
April 17, 2019	09:36:45	EDT	200	3.31	CAD	NEO
April 17, 2019	09:36:45	EDT	600	3.31	CAD	NEO
April 17, 2019	09:36:45	EDT	200	3.31	CAD	TSX
April 17, 2019	09:39:53	EDT	200	3.35	CAD	TSX
April 17, 2019	09:39:53	EDT	200	3.35	CAD	TSX
April 17, 2019	09:39:53	EDT	100	3.35	CAD	TSX
April 17, 2019	09:39:53	EDT	100	3.35	CAD	TSX
April 17, 2019	09:40:33	EDT	1500	3.34	CAD	TSX
April 17, 2019	09:40:33	EDT	1400	3.34	CAD	NEO
April 17, 2019	09:40:33	EDT	500	3.34	CAD	NEO
April 17, 2019	09:40:33	EDT	400	3.34	CAD	TSX
April 17, 2019	09:42:04	EDT	900	3.34	CAD	TSX
April 17, 2019	09:42:04	EDT	800	3.34	CAD	NEO

April 17, 2019	09:42:04	EDT	100	3.34	CAD	TSX
April 17, 2019	09:42:07	EDT	200	3.34	CAD	NEO
April 17, 2019	09:44:14	EDT	900	3.33	CAD	TSX
April 17, 2019	09:44:14	EDT	100	3.33	CAD	TSX
April 17, 2019	09:44:14	EDT	900	3.33	CAD	NEO
April 17, 2019	09:44:14	EDT	200	3.33	CAD	NEO
April 17, 2019	09:49:01	EDT	100	3.31	CAD	TSX
April 17, 2019	09:50:09	EDT	700	3.31	CAD	TSX
April 17, 2019	09:50:09	EDT	100	3.31	CAD	TSX
April 17, 2019	09:50:09	EDT	700	3.31	CAD	NEO
April 17, 2019	09:50:09	EDT	1600	3.31	CAD	NEO
April 17, 2019	09:50:09	EDT	1600	3.31	CAD	TSX
April 17, 2019	09:50:09	EDT	100	3.31	CAD	NEO
April 17, 2019	09:50:09	EDT	100	3.31	CAD	NEO
April 17, 2019	09:58:35	EDT	2900	3.32	CAD	Chi-X
April 17, 2019	09:58:35	EDT	200	3.32	CAD	Chi-X
April 17, 2019	09:59:38	EDT	100	3.32	CAD	Chi-X
April 17, 2019	09:59:38	EDT	300	3.32	CAD	Chi-X
April 17, 2019	09:59:38	EDT	500	3.32	CAD	Chi-X
April 17, 2019	10:00:41	EDT	200	3.32	CAD	Chi-X
April 17, 2019	10:00:41	EDT	700	3.32	CAD	Chi-X
April 17, 2019	10:01:14	EDT	100	3.32	CAD	TSX
April 17, 2019	10:01:14	EDT	1500	3.32	CAD	NEO
April 17, 2019	10:01:14	EDT	300	3.32	CAD	NEO
April 17, 2019	10:01:14	EDT	1600	3.32	CAD	TSX
April 17, 2019	10:01:14	EDT	100	3.32	CAD	TSX
April 17, 2019	10:04:56	EDT	900	3.31	CAD	TSX
April 17, 2019	10:04:56	EDT	900	3.31	CAD	NEO
April 17, 2019	10:04:56	EDT	100	3.31	CAD	TSX
April 17, 2019	10:04:56	EDT	100	3.31	CAD	NEO
April 17, 2019	10:04:59	EDT	100	3.31	CAD	NEO
April 17, 2019	10:06:04	EDT	100	3.31	CAD	TSX
April 17, 2019	10:06:04	EDT	800	3.31	CAD	NEO
April 17, 2019	10:06:04	EDT	800	3.31	CAD	TSX
April 17, 2019	10:06:04	EDT	300	3.31	CAD	NEO
April 17, 2019	10:06:04	EDT	100	3.31	CAD	TSX
April 17, 2019	10:09:37	EDT	200	3.3	CAD	NEO
April 17, 2019	10:09:41	EDT	200	3.3	CAD	NEO
April 17, 2019	10:09:57	EDT	200	3.3	CAD	NEO
April 17, 2019	10:11:41	EDT	100	3.3	CAD	NEO
April 17, 2019	10:16:59	EDT	3100	3.31	CAD	TSX
April 17, 2019	10:16:59	EDT	1100	3.31	CAD	TSX
April 17, 2019	10:16:59	EDT	1100	3.31	CAD	NEO
April 17, 2019	10:16:59	EDT	3200	3.31	CAD	NEO
April 17, 2019	10:21:55	EDT	1000	3.29	CAD	TSX
April 17, 2019	10:21:55	EDT	100	3.29	CAD	NEO
April 17, 2019	10:21:55	EDT	900	3.29	CAD	NEO
April 17, 2019	10:32:49	EDT	1900	3.3	CAD	TSX

April 17, 2019	10:32:49	EDT	2000	3.3	CAD	NEO
April 17, 2019	10:32:49	EDT	1900	3.3	CAD	TSX
April 17, 2019	10:32:54	EDT	1900	3.3	CAD	NEO
April 17, 2019	10:38:38	EDT	700	3.29	CAD	Chi-X
April 17, 2019	10:38:38	EDT	300	3.29	CAD	NEO
April 17, 2019	10:43:41	EDT	600	3.3	CAD	TSX
April 17, 2019	10:43:41	EDT	100	3.3	CAD	TSX
April 17, 2019	10:43:41	EDT	100	3.3	CAD	TSX
April 17, 2019	10:43:41	EDT	700	3.3	CAD	TSX
April 17, 2019	10:43:41	EDT	200	3.3	CAD	TSX
April 17, 2019	10:53:32	EDT	1000	3.29	CAD	NEO
April 17, 2019	10:53:32	EDT	800	3.29	CAD	TSX
April 17, 2019	10:53:32	EDT	1800	3.29	CAD	TSX
April 17, 2019	10:53:32	EDT	2500	3.29	CAD	TSX
April 17, 2019	10:53:32	EDT	1800	3.29	CAD	NEO
April 17, 2019	10:53:32	EDT	800	3.29	CAD	NEO
April 17, 2019	10:53:32	EDT	1500	3.29	CAD	NEO
April 17, 2019	10:58:23	EDT	700	3.26	CAD	NEO
April 17, 2019	10:59:14	EDT	300	3.26	CAD	TSX
April 17, 2019	10:59:14	EDT	100	3.26	CAD	NEO
April 17, 2019	10:59:14	EDT	700	3.26	CAD	TSX
April 17, 2019	10:59:14	EDT	200	3.26	CAD	NEO
April 17, 2019	11:00:13	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:13	EDT	400	3.25	CAD	NEO
April 17, 2019	11:00:15	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:20	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:47	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:47	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:47	EDT	100	3.25	CAD	NEO
April 17, 2019	11:00:47	EDT	1000	3.25	CAD	TSX
April 17, 2019	11:05:26	EDT	100	3.25	CAD	TSX
April 17, 2019	11:05:30	EDT	700	3.25	CAD	TSX
April 17, 2019	11:05:30	EDT	1400	3.25	CAD	NEO
April 17, 2019	11:06:40	EDT	100	3.25	CAD	TSX
April 17, 2019	11:10:52	EDT	1000	3.25	CAD	NEO
April 17, 2019	11:10:52	EDT	800	3.25	CAD	TSX
April 17, 2019	11:10:52	EDT	100	3.25	CAD	TSX
April 17, 2019	11:10:52	EDT	1500	3.25	CAD	TSX
April 17, 2019	11:10:52	EDT	600	3.25	CAD	TSX
April 17, 2019	11:10:52	EDT	700	3.25	CAD	NEO
April 17, 2019	11:10:52	EDT	700	3.25	CAD	NEO
April 17, 2019	11:10:52	EDT	700	3.25	CAD	NEO
April 17, 2019	11:20:41	EDT	800	3.24	CAD	Chi-X
April 17, 2019	11:20:41	EDT	500	3.24	CAD	Chi-X
April 17, 2019	11:20:41	EDT	1200	3.24	CAD	Chi-X
April 17, 2019	11:25:45	EDT	100	3.235	CAD	TSX
April 17, 2019	11:25:45	EDT	400	3.24	CAD	TSX
April 17, 2019	11:25:45	EDT	300	3.24	CAD	TSX

April 17, 2019	11:25:45	EDT	600	3.24	CAD	TSX
April 17, 2019	11:28:48	EDT	100	3.23	CAD	NEO
April 17, 2019	11:29:48	EDT	200	3.24	CAD	TSX
April 17, 2019	11:29:48	EDT	300	3.24	CAD	TSX
April 17, 2019	11:29:48	EDT	700	3.24	CAD	TSX
April 17, 2019	11:32:13	EDT	200	3.23	CAD	NEO
April 17, 2019	11:32:13	EDT	200	3.23	CAD	TSX
April 17, 2019	11:32:13	EDT	1500	3.23	CAD	TSX
April 17, 2019	11:32:13	EDT	500	3.23	CAD	NEO
April 17, 2019	11:32:13	EDT	900	3.23	CAD	NEO
April 17, 2019	11:32:13	EDT	200	3.23	CAD	NEO
April 17, 2019	11:41:37	EDT	1000	3.23	CAD	Chi-X
April 17, 2019	11:43:38	EDT	900	3.24	CAD	Chi-X
April 17, 2019	11:47:39	EDT	100	3.24	CAD	Chi-X
April 17, 2019	11:47:39	EDT	300	3.24	CAD	Chi-X
April 17, 2019	11:47:39	EDT	400	3.24	CAD	Chi-X
April 17, 2019	11:49:41	EDT	200	3.24	CAD	TSX
April 17, 2019	11:49:41	EDT	800	3.24	CAD	Chi-X
April 17, 2019	11:52:43	EDT	400	3.25	CAD	TSX
April 17, 2019	11:52:43	EDT	700	3.25	CAD	TSX
April 17, 2019	11:54:45	EDT	600	3.25	CAD	TSX
April 17, 2019	11:54:45	EDT	400	3.25	CAD	TSX
April 17, 2019	11:54:45	EDT	300	3.25	CAD	TSX
April 17, 2019	11:54:45	EDT	100	3.25	CAD	TSX
April 17, 2019	11:54:45	EDT	100	3.25	CAD	TSX
April 17, 2019	11:58:52	EDT	800	3.25	CAD	Chi-X
April 17, 2019	11:58:52	EDT	1300	3.25	CAD	Chi-X
April 17, 2019	12:01:56	EDT	200	3.25	CAD	NEO
April 17, 2019	12:01:56	EDT	400	3.25	CAD	Omega
April 17, 2019	12:01:56	EDT	700	3.25	CAD	Omega
April 17, 2019	12:01:56	EDT	300	3.25	CAD	Omega
April 17, 2019	12:09:07	EDT	100	3.25	CAD	Chi-X
April 17, 2019	12:09:07	EDT	200	3.25	CAD	Chi-X
April 17, 2019	12:09:07	EDT	600	3.25	CAD	Pure
April 17, 2019	12:09:07	EDT	300	3.25	CAD	Omega
April 17, 2019	12:09:07	EDT	100	3.25	CAD	NEO
April 17, 2019	12:09:07	EDT	500	3.25	CAD	NEO
April 17, 2019	12:09:07	EDT	400	3.25	CAD	Omega
April 17, 2019	12:09:07	EDT	400	3.25	CAD	Pure
April 17, 2019	12:10:54	EDT	1700	3.24	CAD	TSX
April 17, 2019	12:10:54	EDT	1700	3.24	CAD	NEO
April 17, 2019	12:10:54	EDT	100	3.24	CAD	TSX
April 17, 2019	12:10:54	EDT	100	3.24	CAD	NEO
April 17, 2019	12:20:13	EDT	100	3.22	CAD	TSX
April 17, 2019	12:23:56	EDT	300	3.23	CAD	Omega
April 17, 2019	12:23:56	EDT	100	3.23	CAD	NEO
April 17, 2019	12:23:56	EDT	500	3.23	CAD	NEO
April 17, 2019	12:26:59	EDT	500	3.23	CAD	NEO

April 17, 2019	12:26:59	EDT	400	3.23	CAD	NEO
April 17, 2019	12:26:59	EDT	300	3.23	CAD	Omega
April 17, 2019	12:26:59	EDT	100	3.23	CAD	Omega
April 17, 2019	12:31:03	EDT	700	3.23	CAD	Chi-X
April 17, 2019	12:31:03	EDT	500	3.23	CAD	NEO
April 17, 2019	12:31:03	EDT	300	3.23	CAD	Omega
April 17, 2019	12:33:04	EDT	100	3.23	CAD	NEO
April 17, 2019	12:33:04	EDT	500	3.23	CAD	Pure
April 17, 2019	12:33:04	EDT	300	3.23	CAD	Pure
April 17, 2019	12:35:11	EDT	1600	3.22	CAD	TSX
April 17, 2019	12:35:11	EDT	100	3.22	CAD	TSX
April 17, 2019	12:35:11	EDT	200	3.22	CAD	NEO
April 17, 2019	12:35:11	EDT	1600	3.22	CAD	NEO
April 17, 2019	12:45:24	EDT	2100	3.21	CAD	TSX
April 17, 2019	12:45:24	EDT	2100	3.21	CAD	NEO
April 17, 2019	12:45:24	EDT	100	3.21	CAD	TSX
April 17, 2019	12:45:24	EDT	100	3.21	CAD	NEO
April 17, 2019	12:59:18	EDT	800	3.21	CAD	Chi-X
April 17, 2019	12:59:18	EDT	200	3.21	CAD	Chi-X
April 17, 2019	13:13:31	EDT	2700	3.21	CAD	TSX
April 17, 2019	13:13:31	EDT	500	3.21	CAD	TSX
April 17, 2019	13:13:31	EDT	500	3.21	CAD	NEO
April 17, 2019	13:13:31	EDT	2800	3.21	CAD	NEO
April 17, 2019	13:24:03	EDT	2300	3.21	CAD	TSX
April 17, 2019	13:24:03	EDT	200	3.21	CAD	TSX
April 17, 2019	13:24:03	EDT	300	3.21	CAD	NEO
April 17, 2019	13:24:03	EDT	2300	3.21	CAD	NEO
April 17, 2019	13:37:27	EDT	500	3.21	CAD	Pure
April 17, 2019	13:37:27	EDT	300	3.21	CAD	Pure
April 17, 2019	13:46:56	EDT	2300	3.2	CAD	TSX
April 17, 2019	13:46:56	EDT	600	3.2	CAD	NEO
April 17, 2019	13:46:56	EDT	600	3.2	CAD	TSX
April 17, 2019	13:46:56	EDT	2300	3.2	CAD	NEO
April 17, 2019	14:02:58	EDT	500	3.19	CAD	TSX
April 17, 2019	14:02:58	EDT	500	3.19	CAD	NEO
April 17, 2019	14:10:03	EDT	800	3.19	CAD	Chi-X
April 17, 2019	14:10:03	EDT	800	3.19	CAD	TSX
April 17, 2019	14:10:03	EDT	300	3.19	CAD	TSX
April 17, 2019	14:13:05	EDT	100	3.19	CAD	Omega
April 17, 2019	14:13:05	EDT	400	3.19	CAD	Omega
April 17, 2019	14:13:05	EDT	500	3.19	CAD	Omega
April 17, 2019	14:18:08	EDT	800	3.19	CAD	Chi-X
April 17, 2019	14:18:08	EDT	600	3.19	CAD	Chi-X
April 17, 2019	14:22:11	EDT	400	3.19	CAD	Chi-X
April 17, 2019	14:22:11	EDT	400	3.19	CAD	Pure
April 17, 2019	14:22:11	EDT	600	3.19	CAD	Pure
April 17, 2019	14:24:13	EDT	400	3.19	CAD	Chi-X
April 17, 2019	14:24:13	EDT	100	3.19	CAD	Pure

April 17, 2019	14:24:13	EDT	200	3.19	CAD	Chi-X
April 17, 2019	14:24:13	EDT	300	3.19	CAD	Pure
April 17, 2019	14:27:15	EDT	300	3.19	CAD	Chi-X
April 17, 2019	14:27:15	EDT	100	3.19	CAD	Chi-X
April 17, 2019	14:27:15	EDT	200	3.19	CAD	Pure
April 17, 2019	14:27:15	EDT	500	3.19	CAD	Pure
April 17, 2019	14:27:20	EDT	200	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	200	3.18	CAD	TSX
April 17, 2019	14:27:20	EDT	1300	3.18	CAD	TSX
April 17, 2019	14:27:20	EDT	200	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	200	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	200	3.18	CAD	TSX
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	200	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	400	3.18	CAD	NEO
April 17, 2019	14:27:20	EDT	100	3.18	CAD	NEO
April 17, 2019	14:41:58	EDT	100	3.175	CAD	Chi-X
April 17, 2019	14:41:58	EDT	100	3.18	CAD	Omega
April 17, 2019	14:41:58	EDT	700	3.18	CAD	NEO
April 17, 2019	14:41:58	EDT	800	3.18	CAD	Chi-X
April 17, 2019	14:45:00	EDT	300	3.18	CAD	NEO
April 17, 2019	14:45:00	EDT	400	3.18	CAD	Omega
April 17, 2019	14:45:00	EDT	100	3.18	CAD	Omega
April 17, 2019	14:54:12	EDT	100	3.19	CAD	Chi-X
April 17, 2019	14:54:12	EDT	800	3.19	CAD	Chi-X
April 17, 2019	14:54:12	EDT	600	3.19	CAD	Pure
April 17, 2019	14:54:12	EDT	400	3.19	CAD	Chi-X
April 17, 2019	14:54:12	EDT	800	3.19	CAD	Chi-X
April 17, 2019	14:54:12	EDT	400	3.19	CAD	Pure
April 17, 2019	15:03:26	EDT	500	3.19	CAD	TSX
April 17, 2019	15:03:26	EDT	25	3.19	CAD	TSX
April 17, 2019	15:03:26	EDT	1400	3.19	CAD	NEO
April 17, 2019	15:03:26	EDT	5700	3.19	CAD	TSX
April 17, 2019	15:03:26	EDT	900	3.19	CAD	TSX
April 17, 2019	15:03:26	EDT	5800	3.19	CAD	NEO
April 18, 2019	09:31:42	EDT	100	3.22	CAD	TSX
April 18, 2019	09:34:04	EDT	500	3.22	CAD	Pure
April 18, 2019	09:34:04	EDT	200	3.22	CAD	Pure
April 18, 2019	09:34:04	EDT	100	3.22	CAD	NEO
April 18, 2019	09:35:09	EDT	200	3.22	CAD	Chi-X
April 18, 2019	09:35:09	EDT	600	3.22	CAD	Pure
April 18, 2019	09:35:09	EDT	100	3.22	CAD	Chi-X
April 18, 2019	09:35:09	EDT	200	3.22	CAD	NEO
April 18, 2019	09:35:09	EDT	400	3.22	CAD	Pure

April 18, 2019	09:35:09	EDT	200	3.22	CAD	NEO
April 18, 2019	09:36:11	EDT	100	3.22	CAD	TSX
April 18, 2019	09:36:11	EDT	1600	3.22	CAD	NEO
April 18, 2019	09:36:11	EDT	1600	3.22	CAD	TSX
April 18, 2019	09:36:11	EDT	200	3.22	CAD	NEO
April 18, 2019	09:36:13	EDT	200	3.21	CAD	NEO
April 18, 2019	09:36:23	EDT	500	3.21	CAD	TSX
April 18, 2019	09:36:23	EDT	600	3.21	CAD	NEO
April 18, 2019	09:36:23	EDT	200	3.21	CAD	TSX
April 18, 2019	09:36:23	EDT	300	3.21	CAD	TSX
April 18, 2019	09:36:23	EDT	300	3.21	CAD	NEO
April 18, 2019	09:39:53	EDT	600	3.21	CAD	Pure
April 18, 2019	09:39:53	EDT	300	3.21	CAD	Pure
April 18, 2019	09:46:21	EDT	800	3.22	CAD	NEO
April 18, 2019	09:46:21	EDT	600	3.22	CAD	Pure
April 18, 2019	09:46:21	EDT	1600	3.22	CAD	Chi-X
April 18, 2019	09:46:21	EDT	2400	3.22	CAD	Chi-X
April 18, 2019	09:46:21	EDT	500	3.22	CAD	NEO
April 18, 2019	09:46:21	EDT	400	3.22	CAD	Pure
April 18, 2019	09:50:45	EDT	400	3.21	CAD	NEO
April 18, 2019	09:50:45	EDT	1400	3.21	CAD	NEO
April 18, 2019	09:50:45	EDT	200	3.21	CAD	TSX
April 18, 2019	09:50:45	EDT	2400	3.21	CAD	TSX
April 18, 2019	09:50:45	EDT	700	3.21	CAD	NEO
April 18, 2019	09:50:45	EDT	700	3.21	CAD	TSX
April 18, 2019	09:50:45	EDT	700	3.21	CAD	NEO
April 18, 2019	09:50:45	EDT	200	3.21	CAD	NEO
April 18, 2019	09:54:36	EDT	700	3.2	CAD	NEO
April 18, 2019	09:56:24	EDT	1100	3.2	CAD	TSX
April 18, 2019	09:56:24	EDT	600	3.2	CAD	TSX
April 18, 2019	09:56:24	EDT	100	3.2	CAD	TSX
April 18, 2019	09:56:24	EDT	400	3.2	CAD	NEO
April 18, 2019	09:56:24	EDT	1400	3.2	CAD	NEO
April 18, 2019	09:56:24	EDT	100	3.2	CAD	NEO
April 18, 2019	09:59:57	EDT	900	3.18	CAD	TSX
April 18, 2019	10:00:39	EDT	100	3.18	CAD	TSX
April 18, 2019	10:00:39	EDT	900	3.18	CAD	NEO
April 18, 2019	10:11:54	EDT	2300	3.18	CAD	NEO
April 18, 2019	10:15:58	EDT	800	3.19	CAD	NEO
April 18, 2019	10:15:58	EDT	600	3.19	CAD	TSX
April 18, 2019	10:15:58	EDT	1000	3.19	CAD	TSX
April 18, 2019	10:15:58	EDT	100	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	700	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	200	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	700	3.19	CAD	NEO
April 18, 2019	10:15:59	EDT	700	3.19	CAD	NEO
April 18, 2019	10:15:59	EDT	700	3.19	CAD	NEO
April 18, 2019	10:15:59	EDT	400	3.19	CAD	Chi-X

April 18, 2019	10:15:59	EDT	800	3.19	CAD	Chi-X
April 18, 2019	10:15:59	EDT	800	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	1000	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	1000	3.19	CAD	Chi-X
April 18, 2019	10:15:59	EDT	100	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	100	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	300	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	100	3.19	CAD	TSX
April 18, 2019	10:15:59	EDT	100	3.19	CAD	TSX
April 18, 2019	10:20:01	EDT	100	3.2	CAD	TSX
April 18, 2019	10:20:01	EDT	200	3.2	CAD	TSX
April 18, 2019	10:20:01	EDT	700	3.2	CAD	TSX
April 18, 2019	10:22:02	EDT	100	3.2	CAD	TSX
April 18, 2019	10:22:02	EDT	400	3.2	CAD	TSX
April 18, 2019	10:22:02	EDT	600	3.2	CAD	TSX
April 18, 2019	10:22:29	EDT	300	3.19	CAD	TSX
April 18, 2019	10:22:29	EDT	1300	3.19	CAD	TSX
April 18, 2019	10:22:29	EDT	100	3.19	CAD	TSX
April 18, 2019	10:22:29	EDT	100	3.19	CAD	TSX
April 18, 2019	10:22:29	EDT	100	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	100	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	100	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	600	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	500	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	200	3.19	CAD	NEO
April 18, 2019	10:22:29	EDT	200	3.19	CAD	NEO
April 18, 2019	10:34:35	EDT	400	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	1500	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	100	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	800	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	1100	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	1000	3.18	CAD	TSX
April 18, 2019	10:34:35	EDT	300	3.18	CAD	TSX
April 18, 2019	10:36:37	EDT	500	3.18	CAD	Chi-X
April 18, 2019	10:36:37	EDT	200	3.18	CAD	TSX
April 18, 2019	10:36:37	EDT	500	3.18	CAD	TSX
April 18, 2019	10:39:42	EDT	100	3.19	CAD	TSX
April 18, 2019	10:39:42	EDT	1900	3.19	CAD	TSX
April 18, 2019	10:44:52	EDT	800	3.19	CAD	TSX
April 18, 2019	10:44:52	EDT	400	3.19	CAD	TSX
April 18, 2019	10:44:52	EDT	600	3.19	CAD	TSX
April 18, 2019	10:44:52	EDT	700	3.19	CAD	TSX
April 18, 2019	10:44:52	EDT	300	3.19	CAD	TSX
April 18, 2019	10:47:56	EDT	100	3.2	CAD	TSX
April 18, 2019	10:47:56	EDT	400	3.2	CAD	TSX
April 18, 2019	10:47:56	EDT	600	3.2	CAD	TSX
April 18, 2019	10:47:56	EDT	500	3.2	CAD	TSX
April 18, 2019	10:48:33	EDT	100	3.19	CAD	TSX

April 18, 2019	10:48:33	EDT	1100	3.19	CAD	TSX
April 18, 2019	10:48:33	EDT	600	3.19	CAD	TSX
April 18, 2019	10:48:33	EDT	800	3.19	CAD	NEO
April 18, 2019	10:48:33	EDT	700	3.19	CAD	NEO
April 18, 2019	10:48:33	EDT	200	3.19	CAD	NEO
April 18, 2019	10:48:33	EDT	100	3.19	CAD	NEO
April 18, 2019	10:50:54	EDT	100	3.18	CAD	TSX
April 18, 2019	10:53:37	EDT	200	3.18	CAD	NEO
April 18, 2019	10:53:45	EDT	700	3.18	CAD	NEO
April 18, 2019	10:54:13	EDT	100	3.18	CAD	TSX
April 18, 2019	11:03:09	EDT	800	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	1100	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	300	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	700	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	500	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	2200	3.19	CAD	TSX
April 18, 2019	11:03:09	EDT	800	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	500	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	100	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	1000	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	900	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	600	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	700	3.19	CAD	TSX
April 18, 2019	11:07:22	EDT	300	3.19	CAD	TSX
April 18, 2019	11:11:32	EDT	100	3.19	CAD	NEO
April 18, 2019	11:11:32	EDT	100	3.19	CAD	Pure
April 18, 2019	11:11:32	EDT	100	3.19	CAD	Pure
April 18, 2019	11:11:32	EDT	600	3.19	CAD	NEO
April 18, 2019	11:11:32	EDT	900	3.19	CAD	NEO
April 18, 2019	11:11:32	EDT	100	3.19	CAD	NEO
April 18, 2019	11:11:32	EDT	100	3.19	CAD	Pure
April 18, 2019	11:11:32	EDT	200	3.19	CAD	Omega
April 18, 2019	11:11:32	EDT	100	3.19	CAD	Omega
April 18, 2019	11:14:05	EDT	2100	3.18	CAD	NEO
April 18, 2019	11:14:05	EDT	300	3.18	CAD	NEO
April 18, 2019	11:14:05	EDT	2300	3.18	CAD	TSX
April 18, 2019	11:14:05	EDT	100	3.18	CAD	TSX
April 18, 2019	11:14:05	EDT	100	3.18	CAD	NEO
April 18, 2019	11:20:07	EDT	900	3.17	CAD	NEO
April 18, 2019	11:20:07	EDT	200	3.17	CAD	TSX
April 18, 2019	11:20:07	EDT	300	3.17	CAD	TSX
April 18, 2019	11:20:35	EDT	300	3.17	CAD	TSX
April 18, 2019	11:20:35	EDT	200	3.17	CAD	TSX
April 18, 2019	11:20:35	EDT	100	3.17	CAD	NEO
April 18, 2019	11:20:35	EDT	100	3.17	CAD	NEO
April 18, 2019	11:36:13	EDT	100	3.17	CAD	Chi-X
April 18, 2019	11:36:13	EDT	600	3.17	CAD	Pure
April 18, 2019	11:36:13	EDT	100	3.17	CAD	NEO

April 18, 2019	11:36:13	EDT	2000	3.17	CAD	Chi-X
April 18, 2019	11:36:13	EDT	400	3.17	CAD	NEO
April 18, 2019	11:36:13	EDT	200	3.17	CAD	Omega
April 18, 2019	11:36:13	EDT	300	3.17	CAD	Pure
April 18, 2019	11:38:14	EDT	400	3.17	CAD	NEO
April 18, 2019	11:38:14	EDT	300	3.17	CAD	Pure
April 18, 2019	11:38:14	EDT	300	3.17	CAD	Pure
April 18, 2019	11:38:14	EDT	200	3.17	CAD	Pure
April 18, 2019	11:42:17	EDT	1000	3.17	CAD	Chi-X
April 18, 2019	11:44:18	EDT	200	3.17	CAD	Chi-X
April 18, 2019	11:44:18	EDT	600	3.17	CAD	Chi-X
April 18, 2019	11:48:20	EDT	500	3.17	CAD	Pure
April 18, 2019	11:48:20	EDT	300	3.17	CAD	Pure
April 18, 2019	11:50:21	EDT	1100	3.17	CAD	Chi-X
April 18, 2019	11:54:27	EDT	100	3.165	CAD	Chi-X
April 18, 2019	11:54:27	EDT	400	3.17	CAD	Pure
April 18, 2019	11:54:27	EDT	300	3.17	CAD	Chi-X
April 18, 2019	11:54:27	EDT	500	3.17	CAD	Chi-X
April 18, 2019	11:55:29	EDT	200	3.17	CAD	TSX
April 18, 2019	11:55:29	EDT	800	3.17	CAD	Chi-X
April 18, 2019	11:55:29	EDT	500	3.17	CAD	TSX
April 18, 2019	11:59:36	EDT	500	3.19	CAD	TSX
April 18, 2019	11:59:36	EDT	700	3.19	CAD	TSX
April 18, 2019	11:59:36	EDT	900	3.19	CAD	TSX
April 18, 2019	12:03:39	EDT	1400	3.2	CAD	Chi-X
April 18, 2019	12:03:39	EDT	200	3.2	CAD	Chi-X
April 18, 2019	12:07:43	EDT	400	3.2	CAD	TSX
April 18, 2019	12:07:43	EDT	600	3.2	CAD	TSX
April 18, 2019	12:07:43	EDT	300	3.2	CAD	TSX
April 18, 2019	12:07:43	EDT	300	3.2	CAD	TSX
April 18, 2019	12:09:35	EDT	1000	3.19	CAD	NEO
April 18, 2019	12:20:54	EDT	100	3.2	CAD	NEO
April 18, 2019	12:20:54	EDT	600	3.2	CAD	NEO
April 18, 2019	12:20:54	EDT	500	3.2	CAD	NEO
April 18, 2019	12:20:54	EDT	300	3.2	CAD	Omega
April 18, 2019	12:20:54	EDT	400	3.2	CAD	Omega
April 18, 2019	12:20:54	EDT	600	3.2	CAD	Omega
April 18, 2019	12:23:58	EDT	400	3.2	CAD	Omega
April 18, 2019	12:23:58	EDT	100	3.2	CAD	Omega
April 18, 2019	12:23:58	EDT	300	3.2	CAD	Omega
April 18, 2019	12:23:58	EDT	100	3.2	CAD	NEO
April 18, 2019	12:23:58	EDT	100	3.2	CAD	Omega
April 18, 2019	12:23:58	EDT	600	3.2	CAD	Omega
April 18, 2019	12:29:04	EDT	400	3.2	CAD	TSX
April 18, 2019	12:29:04	EDT	300	3.2	CAD	TSX
April 18, 2019	12:29:04	EDT	500	3.2	CAD	TSX
April 18, 2019	12:29:04	EDT	1000	3.2	CAD	TSX
April 18, 2019	12:29:04	EDT	100	3.2	CAD	TSX

April 18, 2019	12:38:15	EDT	300	3.2	CAD	Omega
April 18, 2019	12:38:15	EDT	600	3.2	CAD	NEO
April 18, 2019	12:38:15	EDT	400	3.2	CAD	NEO
April 18, 2019	12:38:15	EDT	500	3.2	CAD	NEO
April 18, 2019	12:38:15	EDT	100	3.2	CAD	Omega
April 18, 2019	12:38:15	EDT	1300	3.2	CAD	NEO
April 18, 2019	12:41:23	EDT	100	3.19	CAD	NEO
April 18, 2019	12:42:18	EDT	300	3.2	CAD	NEO
April 18, 2019	12:42:18	EDT	300	3.2	CAD	Omega
April 18, 2019	12:42:18	EDT	400	3.2	CAD	Omega
April 18, 2019	12:42:18	EDT	600	3.2	CAD	Omega
April 18, 2019	12:48:44	EDT	800	3.19	CAD	NEO
April 18, 2019	12:51:31	EDT	200	3.2	CAD	NEO
April 18, 2019	12:51:31	EDT	500	3.2	CAD	NEO
April 18, 2019	12:51:31	EDT	1000	3.2	CAD	NEO
April 18, 2019	12:51:31	EDT	100	3.2	CAD	NEO
April 18, 2019	12:51:31	EDT	300	3.2	CAD	Omega
April 18, 2019	12:51:31	EDT	400	3.2	CAD	Omega
April 18, 2019	12:56:33	EDT	200	3.21	CAD	NEO
April 18, 2019	12:56:33	EDT	300	3.21	CAD	Omega
April 18, 2019	12:56:33	EDT	600	3.21	CAD	Omega
April 18, 2019	12:59:34	EDT	100	3.225	CAD	NEO
April 18, 2019	12:59:34	EDT	100	3.23	CAD	NEO
April 18, 2019	12:59:34	EDT	300	3.23	CAD	Omega
April 18, 2019	12:59:34	EDT	100	3.225	CAD	NEO
April 18, 2019	12:59:34	EDT	400	3.23	CAD	Omega
April 18, 2019	12:59:43	EDT	1700	3.22	CAD	NEO
April 18, 2019	12:59:43	EDT	1700	3.22	CAD	TSX
April 18, 2019	12:59:43	EDT	100	3.22	CAD	TSX
April 18, 2019	12:59:43	EDT	100	3.22	CAD	NEO
April 18, 2019	13:07:36	EDT	1000	3.2	CAD	TSX
April 18, 2019	13:07:36	EDT	200	3.2	CAD	NEO
April 18, 2019	13:07:36	EDT	800	3.2	CAD	NEO
April 18, 2019	13:21:21	EDT	400	3.2	CAD	TSX
April 18, 2019	13:21:21	EDT	700	3.2	CAD	TSX
April 18, 2019	13:22:22	EDT	300	3.2	CAD	TSX
April 18, 2019	13:22:22	EDT	600	3.2	CAD	TSX
April 18, 2019	13:22:22	EDT	100	3.2	CAD	TSX
April 18, 2019	13:25:24	EDT	800	3.195	CAD	TSX
April 18, 2019	13:27:12	EDT	100	3.19	CAD	NEO
April 18, 2019	13:31:28	EDT	100	3.19	CAD	NEO
April 18, 2019	13:32:32	EDT	300	3.2	CAD	TSX
April 18, 2019	13:32:32	EDT	900	3.2	CAD	TSX
April 18, 2019	13:32:32	EDT	900	3.2	CAD	TSX
April 18, 2019	13:32:32	EDT	400	3.19	CAD	NEO
April 18, 2019	13:34:58	EDT	100	3.19	CAD	NEO
April 18, 2019	13:37:35	EDT	200	3.2	CAD	TSX
April 18, 2019	13:37:35	EDT	100	3.2	CAD	TSX

April 18, 2019	13:37:35	EDT	800	3.2	CAD	TSX
April 18, 2019	13:37:35	EDT	100	3.19	CAD	NEO
April 18, 2019	13:44:42	EDT	200	3.19	CAD	NEO
April 18, 2019	13:45:42	EDT	200	3.2	CAD	TSX
April 18, 2019	13:45:42	EDT	300	3.2	CAD	TSX
April 18, 2019	13:45:42	EDT	1300	3.2	CAD	TSX
April 18, 2019	13:45:42	EDT	500	3.19	CAD	NEO
April 18, 2019	13:47:11	EDT	200	3.19	CAD	NEO
April 18, 2019	13:51:46	EDT	300	3.2	CAD	TSX
April 18, 2019	13:51:46	EDT	700	3.2	CAD	TSX
April 18, 2019	13:51:47	EDT	300	3.19	CAD	NEO
April 18, 2019	13:58:51	EDT	300	3.2	CAD	TSX
April 18, 2019	13:58:51	EDT	700	3.2	CAD	TSX
April 18, 2019	13:58:51	EDT	200	3.2	CAD	TSX
April 18, 2019	13:58:51	EDT	400	3.2	CAD	TSX
April 18, 2019	14:02:37	EDT	1500	3.19	CAD	TSX
April 18, 2019	14:02:37	EDT	1600	3.19	CAD	NEO
April 18, 2019	14:02:37	EDT	200	3.19	CAD	NEO
April 18, 2019	14:02:37	EDT	200	3.19	CAD	TSX
April 18, 2019	14:14:18	EDT	800	3.18	CAD	TSX
April 18, 2019	14:14:18	EDT	700	3.18	CAD	NEO
April 18, 2019	14:15:34	EDT	1100	3.18	CAD	TSX
April 18, 2019	14:15:34	EDT	1200	3.18	CAD	NEO
April 18, 2019	14:15:34	EDT	300	3.18	CAD	TSX
April 18, 2019	14:15:34	EDT	300	3.18	CAD	NEO
April 18, 2019	14:27:07	EDT	900	3.18	CAD	Chi-X
April 18, 2019	14:31:12	EDT	700	3.19	CAD	NEO
April 18, 2019	14:31:12	EDT	100	3.19	CAD	Omega
April 18, 2019	14:31:13	EDT	400	3.19	CAD	Omega
April 18, 2019	14:31:13	EDT	500	3.19	CAD	NEO
April 18, 2019	14:31:13	EDT	100	3.19	CAD	Omega
April 18, 2019	14:37:19	EDT	400	3.2	CAD	TSX
April 18, 2019	14:37:19	EDT	300	3.2	CAD	TSX
April 18, 2019	14:37:19	EDT	500	3.2	CAD	TSX
April 18, 2019	14:37:19	EDT	200	3.2	CAD	TSX
April 18, 2019	14:37:19	EDT	500	3.2	CAD	TSX
April 18, 2019	14:42:23	EDT	600	3.2	CAD	NEO
April 18, 2019	14:42:23	EDT	300	3.2	CAD	Omega
April 18, 2019	14:42:23	EDT	700	3.2	CAD	NEO
April 18, 2019	14:42:23	EDT	100	3.2	CAD	Omega
April 18, 2019	14:50:32	EDT	700	3.2	CAD	TSX
April 18, 2019	14:50:32	EDT	200	3.2	CAD	TSX
April 18, 2019	14:50:32	EDT	400	3.2	CAD	TSX
April 18, 2019	14:50:32	EDT	500	3.2	CAD	TSX
April 18, 2019	14:50:32	EDT	100	3.2	CAD	TSX
April 18, 2019	14:50:32	EDT	500	3.2	CAD	TSX
April 18, 2019	14:53:34	EDT	700	3.2	CAD	NEO
April 18, 2019	14:53:34	EDT	100	3.2	CAD	Pure

April 18, 2019	14:53:34	EDT	200	3.2	CAD	Pure
April 18, 2019	14:53:34	EDT	100	3.2	CAD	Omega
April 18, 2019	14:56:36	EDT	100	3.2	CAD	Omega
April 18, 2019	14:56:36	EDT	400	3.2	CAD	Omega
April 18, 2019	14:56:36	EDT	400	3.2	CAD	Omega
April 18, 2019	14:59:38	EDT	700	3.2	CAD	NEO
April 18, 2019	14:59:38	EDT	100	3.2	CAD	Omega
April 18, 2019	14:59:38	EDT	200	3.2	CAD	Pure
April 18, 2019	14:59:38	EDT	300	3.2	CAD	Pure
April 18, 2019	15:04:22	EDT	500	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	1300	3.2	CAD	NEO
April 18, 2019	15:04:22	EDT	700	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	500	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	600	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	1000	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	700	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	600	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	700	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	300	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	25	3.2	CAD	TSX
April 18, 2019	15:04:22	EDT	2700	3.2	CAD	NEO
April 18, 2019	15:04:22	EDT	700	3.2	CAD	NEO
April 18, 2019	15:04:22	EDT	100	3.2	CAD	NEO
April 18, 2019	15:04:22	EDT	800	3.2	CAD	NEO