

GRAN TIERRA ENERGY INC.

Company Announcement – Transaction in Own Shares

August 6, 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 July 29, 2019 to August 2, 2019:

Transaction Date	Daily total volume (# Shares)	Daily volume weighted average price of shares acquired (CAD)	Gross Value (CAD)
July 29, 2019	167,525	\$2.08	\$348,811.50
July 30, 2019	167,525	\$2.12	\$354,971.25
July 31, 2019	167,525	\$2.17	\$363,717.00
August 1, 2019	167,525	\$2.14	\$358,778.25
August 2, 2019	167,525	\$2.07	\$346,862.50

Exchange Aggregated Data

	Platform	Jul. 29, 2019	Jul. 30, 2019	Jul. 31, 2019	Aug. 1, 2019	Aug. 2, 2019
Volume	TSX	43,725	70,225	101,025	66,925	93,825
	Pure	30,800	6,800	4,100	21,900	7,100
	Chi-X	37,900	32,000	19,200	29,900	13,100
	Omega	6,900	1,200	1,600	400	3,400
	Alpha	0	5,200	600	0	0
	NEO	48,200	52,100	41,000	48,400	50,100
Volume weighted average price (CAD)	TSX	\$2.09	\$2.12	\$2.17	\$2.14	\$2.07
	Pure	\$2.08	\$2.15	\$2.17	\$2.16	\$2.07
	Chi-X	\$2.09	\$2.11	\$2.17	\$2.15	\$2.07
	Omega	\$2.11	\$2.14	\$2.16	\$2.18	\$2.07
	Alpha	-	\$2.07	\$2.14	-	-
	NEO	\$2.07	\$2.12	\$2.17	\$2.14	\$2.07

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.

Contact Information:

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Date	Transaction Time	Time Zone	Volume	Price	Currency	Platform
July 29, 2019	09:31:30	EDT	100	2.1	CAD	TSX
July 29, 2019	09:32:02	EDT	700	2.09	CAD	TSX
July 29, 2019	09:32:02	EDT	100	2.09	CAD	NEO
July 29, 2019	09:32:02	EDT	300	2.09	CAD	TSX
July 29, 2019	09:32:02	EDT	900	2.09	CAD	NEO
July 29, 2019	09:35:16	EDT	200	2.09	CAD	NEO
July 29, 2019	09:35:16	EDT	300	2.09	CAD	NEO
July 29, 2019	09:35:22	EDT	800	2.09	CAD	TSX
July 29, 2019	09:35:43	EDT	700	2.1	CAD	Chi-X
July 29, 2019	09:42:50	EDT	4500	2.09	CAD	TSX
July 29, 2019	09:42:53	EDT	800	2.09	CAD	NEO
July 29, 2019	09:43:05	EDT	400	2.09	CAD	NEO
July 29, 2019	09:43:05	EDT	900	2.09	CAD	NEO
July 29, 2019	09:43:05	EDT	200	2.09	CAD	NEO
July 29, 2019	09:43:06	EDT	900	2.09	CAD	Chi-X
July 29, 2019	09:43:06	EDT	400	2.09	CAD	TSX
July 29, 2019	09:43:06	EDT	300	2.09	CAD	TSX
July 29, 2019	09:43:06	EDT	100	2.09	CAD	Chi-X
July 29, 2019	09:43:06	EDT	500	2.09	CAD	TSX
July 29, 2019	09:47:08	EDT	100	2.08	CAD	TSX
July 29, 2019	09:47:08	EDT	400	2.08	CAD	NEO
July 29, 2019	09:47:08	EDT	400	2.08	CAD	NEO
July 29, 2019	09:47:08	EDT	900	2.08	CAD	TSX
July 29, 2019	09:47:08	EDT	200	2.08	CAD	NEO
July 29, 2019	09:52:35	EDT	100	2.07	CAD	NEO
July 29, 2019	09:54:39	EDT	200	2.07	CAD	NEO
July 29, 2019	09:58:05	EDT	500	2.085	CAD	Chi-X
July 29, 2019	09:58:05	EDT	900	2.09	CAD	Pure
July 29, 2019	09:58:05	EDT	400	2.09	CAD	Chi-X
July 29, 2019	09:58:05	EDT	200	2.09	CAD	NEO
July 29, 2019	09:58:05	EDT	100	2.09	CAD	Chi-X
July 29, 2019	09:58:05	EDT	500	2.085	CAD	Chi-X
July 29, 2019	09:58:05	EDT	600	2.09	CAD	Pure
July 29, 2019	09:58:05	EDT	900	2.09	CAD	Chi-X
July 29, 2019	09:58:05	EDT	600	2.09	CAD	Chi-X
July 29, 2019	09:58:05	EDT	500	2.09	CAD	Chi-X
July 29, 2019	10:01:25	EDT	300	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	400	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	400	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	400	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	400	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	400	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	100	2.08	CAD	NEO
July 29, 2019	10:02:07	EDT	100	2.08	CAD	NEO
July 29, 2019	10:02:11	EDT	100	2.08	CAD	TSX
July 29, 2019	10:02:11	EDT	200	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	400	2.08	CAD	TSX

July 29, 2019	10:02:19	EDT	200	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	200	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	200	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	500	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	200	2.08	CAD	TSX
July 29, 2019	10:02:19	EDT	100	2.08	CAD	TSX
July 29, 2019	10:09:09	EDT	900	2.08	CAD	NEO
July 29, 2019	10:10:24	EDT	1000	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	2300	2.07	CAD	TSX
July 29, 2019	10:15:07	EDT	200	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	1800	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	100	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	100	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	100	2.07	CAD	NEO
July 29, 2019	10:15:07	EDT	100	2.07	CAD	NEO
July 29, 2019	10:23:43	EDT	800	2.06	CAD	TSX
July 29, 2019	10:23:43	EDT	100	2.06	CAD	TSX
July 29, 2019	10:23:43	EDT	100	2.06	CAD	TSX
July 29, 2019	10:23:43	EDT	700	2.06	CAD	NEO
July 29, 2019	10:23:43	EDT	300	2.06	CAD	TSX
July 29, 2019	10:30:51	EDT	500	2.06	CAD	TSX
July 29, 2019	10:30:51	EDT	1500	2.06	CAD	Chi-X
July 29, 2019	10:30:51	EDT	100	2.06	CAD	Chi-X
July 29, 2019	10:32:53	EDT	100	2.06	CAD	Chi-X
July 29, 2019	10:32:53	EDT	100	2.06	CAD	Chi-X
July 29, 2019	10:32:53	EDT	1200	2.06	CAD	Chi-X
July 29, 2019	10:35:58	EDT	600	2.06	CAD	NEO
July 29, 2019	10:35:58	EDT	100	2.06	CAD	NEO
July 29, 2019	10:35:58	EDT	1500	2.06	CAD	Pure
July 29, 2019	10:37:05	EDT	1400	2.05	CAD	TSX
July 29, 2019	10:37:05	EDT	100	2.05	CAD	NEO
July 29, 2019	10:37:05	EDT	300	2.05	CAD	TSX
July 29, 2019	10:37:05	EDT	100	2.05	CAD	TSX
July 29, 2019	10:37:05	EDT	1500	2.05	CAD	NEO
July 29, 2019	10:37:05	EDT	100	2.05	CAD	NEO
July 29, 2019	10:37:05	EDT	100	2.05	CAD	NEO
July 29, 2019	10:42:24	EDT	200	2.04	CAD	TSX
July 29, 2019	10:42:24	EDT	100	2.04	CAD	NEO
July 29, 2019	10:42:24	EDT	600	2.04	CAD	NEO
July 29, 2019	10:45:28	EDT	500	2.05	CAD	Chi-X
July 29, 2019	10:45:28	EDT	1000	2.05	CAD	Chi-X
July 29, 2019	10:47:29	EDT	900	2.05	CAD	Pure
July 29, 2019	10:49:31	EDT	900	2.05	CAD	Pure
July 29, 2019	10:51:34	EDT	1100	2.05	CAD	Pure
July 29, 2019	10:52:37	EDT	1000	2.05	CAD	Pure
July 29, 2019	10:53:39	EDT	800	2.05	CAD	Pure
July 29, 2019	10:55:40	EDT	900	2.05	CAD	Pure
July 29, 2019	10:58:42	EDT	600	2.06	CAD	NEO
July 29, 2019	10:58:42	EDT	500	2.06	CAD	NEO
July 29, 2019	11:00:44	EDT	300	2.06	CAD	Chi-X
July 29, 2019	11:00:44	EDT	700	2.06	CAD	Chi-X

July 29, 2019	11:02:12	EDT	1300	2.05	CAD	NEO
July 29, 2019	11:04:48	EDT	100	2.055	CAD	TSX
July 29, 2019	11:04:48	EDT	100	2.06	CAD	NEO
July 29, 2019	11:04:48	EDT	600	2.06	CAD	NEO
July 29, 2019	11:06:52	EDT	500	2.055	CAD	TSX
July 29, 2019	11:06:52	EDT	600	2.06	CAD	NEO
July 29, 2019	11:06:52	EDT	100	2.06	CAD	NEO
July 29, 2019	11:06:52	EDT	200	2.06	CAD	TSX
July 29, 2019	11:07:56	EDT	500	2.055	CAD	TSX
July 29, 2019	11:07:56	EDT	100	2.06	CAD	NEO
July 29, 2019	11:07:56	EDT	600	2.06	CAD	NEO
July 29, 2019	11:07:56	EDT	200	2.06	CAD	TSX
July 29, 2019	11:07:56	EDT	200	2.06	CAD	TSX
July 29, 2019	11:10:01	EDT	500	2.055	CAD	TSX
July 29, 2019	11:10:01	EDT	400	2.06	CAD	TSX
July 29, 2019	11:10:01	EDT	100	2.06	CAD	NEO
July 29, 2019	11:10:01	EDT	600	2.06	CAD	NEO
July 29, 2019	11:12:04	EDT	500	2.055	CAD	TSX
July 29, 2019	11:12:04	EDT	600	2.06	CAD	NEO
July 29, 2019	11:12:04	EDT	100	2.06	CAD	NEO
July 29, 2019	11:14:07	EDT	500	2.06	CAD	TSX
July 29, 2019	11:14:07	EDT	100	2.06	CAD	NEO
July 29, 2019	11:14:07	EDT	400	2.06	CAD	TSX
July 29, 2019	11:14:07	EDT	600	2.06	CAD	NEO
July 29, 2019	11:15:08	EDT	600	2.06	CAD	NEO
July 29, 2019	11:15:08	EDT	100	2.06	CAD	NEO
July 29, 2019	11:15:08	EDT	100	2.06	CAD	NEO
July 29, 2019	11:18:10	EDT	500	2.06	CAD	TSX
July 29, 2019	11:18:10	EDT	600	2.06	CAD	NEO
July 29, 2019	11:18:10	EDT	100	2.06	CAD	NEO
July 29, 2019	11:20:14	EDT	500	2.055	CAD	TSX
July 29, 2019	11:20:15	EDT	100	2.06	CAD	NEO
July 29, 2019	11:20:15	EDT	600	2.06	CAD	NEO
July 29, 2019	11:20:15	EDT	400	2.06	CAD	TSX
July 29, 2019	11:21:17	EDT	400	2.055	CAD	TSX
July 29, 2019	11:21:17	EDT	600	2.06	CAD	NEO
July 29, 2019	11:21:17	EDT	100	2.06	CAD	NEO
July 29, 2019	11:24:21	EDT	500	2.055	CAD	TSX
July 29, 2019	11:24:21	EDT	200	2.06	CAD	TSX
July 29, 2019	11:24:21	EDT	400	2.06	CAD	TSX
July 29, 2019	11:24:21	EDT	600	2.06	CAD	NEO
July 29, 2019	11:24:21	EDT	300	2.06	CAD	TSX
July 29, 2019	11:24:21	EDT	100	2.06	CAD	NEO
July 29, 2019	11:24:31	EDT	100	2.05	CAD	NEO
July 29, 2019	11:30:30	EDT	200	2.055	CAD	TSX
July 29, 2019	11:30:30	EDT	600	2.06	CAD	NEO
July 29, 2019	11:30:30	EDT	1800	2.06	CAD	NEO
July 29, 2019	11:33:32	EDT	600	2.06	CAD	NEO
July 29, 2019	11:33:32	EDT	400	2.06	CAD	NEO
July 29, 2019	11:36:36	EDT	600	2.06	CAD	NEO

July 29, 2019	11:36:36	EDT	600	2.06	CAD	NEO
July 29, 2019	11:38:43	EDT	800	2.06	CAD	Pure
July 29, 2019	11:38:43	EDT	100	2.06	CAD	NEO
July 29, 2019	11:38:43	EDT	600	2.06	CAD	NEO
July 29, 2019	11:38:43	EDT	600	2.06	CAD	NEO
July 29, 2019	11:38:43	EDT	400	2.06	CAD	Pure
July 29, 2019	11:40:44	EDT	400	2.06	CAD	TSX
July 29, 2019	11:40:44	EDT	600	2.06	CAD	NEO
July 29, 2019	11:40:44	EDT	100	2.06	CAD	NEO
July 29, 2019	11:43:45	EDT	100	2.06	CAD	Chi-X
July 29, 2019	11:43:45	EDT	300	2.06	CAD	Pure
July 29, 2019	11:43:45	EDT	100	2.06	CAD	Chi-X
July 29, 2019	11:43:45	EDT	600	2.06	CAD	NEO
July 29, 2019	11:43:45	EDT	100	2.06	CAD	Pure
July 29, 2019	11:43:45	EDT	600	2.06	CAD	NEO
July 29, 2019	11:51:57	EDT	1400	2.06	CAD	Pure
July 29, 2019	11:51:57	EDT	100	2.06	CAD	NEO
July 29, 2019	11:51:57	EDT	600	2.06	CAD	NEO
July 29, 2019	11:51:57	EDT	100	2.06	CAD	NEO
July 29, 2019	11:51:57	EDT	1100	2.06	CAD	Pure
July 29, 2019	11:51:58	EDT	100	2.06	CAD	NEO
July 29, 2019	11:54:58	EDT	600	2.06	CAD	NEO
July 29, 2019	11:54:58	EDT	100	2.06	CAD	NEO
July 29, 2019	11:54:58	EDT	600	2.06	CAD	Pure
July 29, 2019	11:57:59	EDT	900	2.06	CAD	NEO
July 29, 2019	12:01:00	EDT	100	2.06	CAD	NEO
July 29, 2019	12:01:00	EDT	700	2.06	CAD	Pure
July 29, 2019	12:03:03	EDT	100	2.06	CAD	NEO
July 29, 2019	12:03:04	EDT	1000	2.06	CAD	Pure
July 29, 2019	12:04:06	EDT	100	2.06	CAD	NEO
July 29, 2019	12:04:06	EDT	800	2.06	CAD	Pure
July 29, 2019	12:07:09	EDT	500	2.06	CAD	Chi-X
July 29, 2019	12:07:09	EDT	800	2.06	CAD	Chi-X
July 29, 2019	12:07:09	EDT	100	2.06	CAD	NEO
July 29, 2019	12:08:11	EDT	100	2.06	CAD	NEO
July 29, 2019	12:08:11	EDT	800	2.06	CAD	Pure
July 29, 2019	12:10:13	EDT	100	2.06	CAD	NEO
July 29, 2019	12:10:13	EDT	700	2.06	CAD	Pure
July 29, 2019	12:10:13	EDT	500	2.06	CAD	Chi-X
July 29, 2019	12:13:16	EDT	100	2.06	CAD	Chi-X
July 29, 2019	12:13:16	EDT	100	2.06	CAD	Chi-X
July 29, 2019	12:13:16	EDT	100	2.06	CAD	NEO
July 29, 2019	12:13:16	EDT	1000	2.06	CAD	Pure
July 29, 2019	12:14:17	EDT	1100	2.06	CAD	NEO
July 29, 2019	12:17:18	EDT	900	2.06	CAD	Pure
July 29, 2019	12:20:19	EDT	600	2.06	CAD	NEO
July 29, 2019	12:20:19	EDT	100	2.06	CAD	NEO
July 29, 2019	12:20:19	EDT	100	2.06	CAD	Omega
July 29, 2019	12:23:20	EDT	100	2.06	CAD	Chi-X
July 29, 2019	12:23:20	EDT	200	2.06	CAD	NEO

July 29, 2019	12:23:20	EDT	500	2.06	CAD	Pure
July 29, 2019	12:26:22	EDT	600	2.07	CAD	NEO
July 29, 2019	12:26:22	EDT	200	2.07	CAD	Omega
July 29, 2019	12:29:23	EDT	700	2.07	CAD	Chi-X
July 29, 2019	12:29:23	EDT	100	2.07	CAD	NEO
July 29, 2019	12:32:26	EDT	1000	2.07	CAD	Chi-X
July 29, 2019	12:33:26	EDT	700	2.07	CAD	Chi-X
July 29, 2019	12:33:26	EDT	100	2.07	CAD	Chi-X
July 29, 2019	12:37:28	EDT	1000	2.08	CAD	Chi-X
July 29, 2019	12:40:29	EDT	1000	2.08	CAD	Pure
July 29, 2019	12:47:32	EDT	1200	2.08	CAD	Chi-X
July 29, 2019	12:56:39	EDT	1100	2.08	CAD	NEO
July 29, 2019	12:56:39	EDT	600	2.08	CAD	Pure
July 29, 2019	12:56:39	EDT	900	2.08	CAD	Chi-X
July 29, 2019	13:00:40	EDT	900	2.08	CAD	Chi-X
July 29, 2019	13:04:41	EDT	900	2.08	CAD	Chi-X
July 29, 2019	13:09:42	EDT	900	2.09	CAD	Chi-X
July 29, 2019	13:12:43	EDT	800	2.09	CAD	Chi-X
July 29, 2019	13:12:43	EDT	200	2.09	CAD	Chi-X
July 29, 2019	13:15:44	EDT	800	2.09	CAD	Chi-X
July 29, 2019	13:18:46	EDT	500	2.09	CAD	Chi-X
July 29, 2019	13:18:46	EDT	500	2.09	CAD	Chi-X
July 29, 2019	13:21:50	EDT	200	2.09	CAD	Chi-X
July 29, 2019	13:21:50	EDT	600	2.09	CAD	Chi-X
July 29, 2019	13:21:50	EDT	700	2.09	CAD	Chi-X
July 29, 2019	13:26:56	EDT	1200	2.09	CAD	Chi-X
July 29, 2019	13:26:56	EDT	100	2.09	CAD	NEO
July 29, 2019	13:26:56	EDT	500	2.09	CAD	NEO
July 29, 2019	13:31:06	EDT	700	2.08	CAD	NEO
July 29, 2019	13:31:06	EDT	2000	2.08	CAD	TSX
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	400	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:42:03	EDT	100	2.09	CAD	Omega
July 29, 2019	13:46:06	EDT	500	2.085	CAD	TSX
July 29, 2019	13:46:06	EDT	300	2.09	CAD	TSX
July 29, 2019	13:46:06	EDT	500	2.09	CAD	TSX
July 29, 2019	13:57:19	EDT	300	2.09	CAD	TSX
July 29, 2019	13:57:19	EDT	1000	2.09	CAD	TSX
July 29, 2019	13:57:19	EDT	2000	2.09	CAD	TSX
July 29, 2019	13:59:21	EDT	100	2.09	CAD	Omega
July 29, 2019	13:59:21	EDT	100	2.09	CAD	Omega

July 29, 2019	13:59:21	EDT	400	2.09	CAD	Omega
July 29, 2019	13:59:21	EDT	100	2.09	CAD	Omega
July 29, 2019	13:59:21	EDT	100	2.09	CAD	Omega
July 29, 2019	13:59:21	EDT	100	2.09	CAD	Omega
July 29, 2019	14:03:26	EDT	500	2.105	CAD	TSX
July 29, 2019	14:03:26	EDT	200	2.11	CAD	TSX
July 29, 2019	14:03:26	EDT	100	2.11	CAD	TSX
July 29, 2019	14:03:26	EDT	200	2.11	CAD	TSX
July 29, 2019	14:03:26	EDT	700	2.11	CAD	TSX
July 29, 2019	14:03:26	EDT	200	2.1	CAD	NEO
July 29, 2019	14:05:13	EDT	100	2.1	CAD	NEO
July 29, 2019	14:06:13	EDT	100	2.1	CAD	NEO
July 29, 2019	14:07:12	EDT	1300	2.1	CAD	NEO
July 29, 2019	14:07:39	EDT	700	2.1	CAD	NEO
July 29, 2019	14:07:39	EDT	300	2.1	CAD	NEO
July 29, 2019	14:07:39	EDT	1200	2.1	CAD	TSX
July 29, 2019	14:07:39	EDT	300	2.1	CAD	NEO
July 29, 2019	14:07:39	EDT	100	2.1	CAD	TSX
July 29, 2019	14:07:39	EDT	300	2.1	CAD	NEO
July 29, 2019	14:07:54	EDT	100	2.1	CAD	TSX
July 29, 2019	14:08:23	EDT	100	2.1	CAD	TSX
July 29, 2019	14:19:39	EDT	300	2.11	CAD	TSX
July 29, 2019	14:19:39	EDT	800	2.11	CAD	TSX
July 29, 2019	14:20:41	EDT	300	2.11	CAD	TSX
July 29, 2019	14:20:41	EDT	100	2.11	CAD	TSX
July 29, 2019	14:20:41	EDT	400	2.11	CAD	TSX
July 29, 2019	14:20:41	EDT	200	2.11	CAD	TSX
July 29, 2019	14:22:42	EDT	300	2.11	CAD	TSX
July 29, 2019	14:22:42	EDT	500	2.11	CAD	TSX
July 29, 2019	14:25:44	EDT	500	2.12	CAD	Chi-X
July 29, 2019	14:25:44	EDT	800	2.12	CAD	Pure
July 29, 2019	14:27:46	EDT	1000	2.12	CAD	Chi-X
July 29, 2019	14:27:46	EDT	100	2.12	CAD	Chi-X
July 29, 2019	14:27:46	EDT	100	2.12	CAD	Chi-X
July 29, 2019	14:30:47	EDT	1000	2.12	CAD	Pure
July 29, 2019	14:32:49	EDT	100	2.12	CAD	Chi-X
July 29, 2019	14:32:49	EDT	1000	2.12	CAD	Chi-X
July 29, 2019	14:32:49	EDT	200	2.12	CAD	TSX
July 29, 2019	14:34:51	EDT	600	2.12	CAD	TSX
July 29, 2019	14:34:51	EDT	500	2.12	CAD	TSX
July 29, 2019	14:34:51	EDT	500	2.12	CAD	NEO
July 29, 2019	14:37:54	EDT	1000	2.12	CAD	Pure
July 29, 2019	14:38:55	EDT	300	2.12	CAD	Pure
July 29, 2019	14:38:55	EDT	700	2.12	CAD	Chi-X
July 29, 2019	14:41:57	EDT	100	2.12	CAD	Chi-X
July 29, 2019	14:41:57	EDT	700	2.12	CAD	Chi-X
July 29, 2019	14:43:59	EDT	1300	2.12	CAD	Pure
July 29, 2019	14:47:00	EDT	1100	2.12	CAD	Pure
July 29, 2019	14:49:01	EDT	1000	2.12	CAD	Pure
July 29, 2019	14:53:03	EDT	900	2.12	CAD	Pure

July 29, 2019	14:55:05	EDT	900	2.12	CAD	Pure
July 29, 2019	14:57:08	EDT	900	2.12	CAD	NEO
July 29, 2019	14:59:10	EDT	100	2.12	CAD	NEO
July 29, 2019	14:59:10	EDT	100	2.12	CAD	NEO
July 29, 2019	14:59:10	EDT	700	2.12	CAD	Pure
July 29, 2019	15:02:12	EDT	600	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	200	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	400	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:02:12	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:39	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	200	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	900	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	300	2.12	CAD	Pure
July 29, 2019	15:05:39	EDT	600	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	900	2.12	CAD	NEO
July 29, 2019	15:05:39	EDT	200	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	1000	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	1000	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	100	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	100	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	300	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	100	2.12	CAD	NEO
July 29, 2019	15:05:39	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	200	2.12	CAD	TSX
July 29, 2019	15:05:39	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:39	EDT	1800	2.12	CAD	TSX
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	600	2.12	CAD	TSX
July 29, 2019	15:05:40	EDT	200	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	200	2.12	CAD	Pure
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	300	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	200	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	800	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	200	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	2400	2.12	CAD	Chi-X
July 29, 2019	15:05:40	EDT	200	2.12	CAD	Chi-X

July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	100	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	600	2.12	CAD	Omega
July 29, 2019	15:05:40	EDT	25	2.12	CAD	TSX
July 30, 2019	09:32:01	EDT	200	2.05	CAD	TSX
July 30, 2019	09:32:03	EDT	400	2.05	CAD	TSX
July 30, 2019	09:32:03	EDT	200	2.05	CAD	TSX
July 30, 2019	09:32:03	EDT	200	2.05	CAD	NEO
July 30, 2019	09:32:03	EDT	800	2.05	CAD	NEO
July 30, 2019	09:32:03	EDT	200	2.05	CAD	TSX
July 30, 2019	09:41:00	EDT	1000	2.07	CAD	TSX
July 30, 2019	09:41:00	EDT	500	2.07	CAD	TSX
July 30, 2019	09:41:00	EDT	500	2.07	CAD	TSX
July 30, 2019	09:41:00	EDT	400	2.07	CAD	NEO
July 30, 2019	09:41:00	EDT	100	2.07	CAD	TSX
July 30, 2019	09:41:00	EDT	400	2.07	CAD	NEO
July 30, 2019	09:41:00	EDT	100	2.07	CAD	TSX
July 30, 2019	09:41:00	EDT	100	2.07	CAD	TSX
July 30, 2019	09:41:04	EDT	100	2.07	CAD	NEO
July 30, 2019	09:41:17	EDT	100	2.07	CAD	TSX
July 30, 2019	09:41:24	EDT	200	2.07	CAD	TSX
July 30, 2019	09:42:06	EDT	1000	2.07	CAD	TSX
July 30, 2019	09:42:06	EDT	800	2.07	CAD	TSX
July 30, 2019	09:45:27	EDT	100	2.07	CAD	TSX
July 30, 2019	09:46:14	EDT	100	2.07	CAD	TSX
July 30, 2019	09:46:51	EDT	100	2.07	CAD	NEO
July 30, 2019	09:46:51	EDT	100	2.07	CAD	NEO
July 30, 2019	09:46:53	EDT	100	2.07	CAD	NEO
July 30, 2019	09:46:56	EDT	100	2.07	CAD	NEO
July 30, 2019	09:46:57	EDT	800	2.07	CAD	NEO
July 30, 2019	09:46:57	EDT	800	2.07	CAD	NEO
July 30, 2019	09:46:58	EDT	600	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	600	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	100	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	600	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	200	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	500	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	100	2.07	CAD	TSX
July 30, 2019	09:46:58	EDT	200	2.07	CAD	NEO
July 30, 2019	09:46:58	EDT	200	2.07	CAD	NEO
July 30, 2019	09:46:58	EDT	600	2.07	CAD	TSX

July 30, 2019	09:46:58	EDT	200	2.07	CAD	NEO
July 30, 2019	09:47:01	EDT	200	2.07	CAD	NEO
July 30, 2019	09:47:03	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:22	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:23	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:37	EDT	200	2.07	CAD	NEO
July 30, 2019	09:47:38	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:40	EDT	100	2.07	CAD	TSX
July 30, 2019	09:47:40	EDT	700	2.07	CAD	NEO
July 30, 2019	09:47:41	EDT	100	2.07	CAD	TSX
July 30, 2019	09:47:46	EDT	500	2.07	CAD	TSX
July 30, 2019	09:47:46	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:48	EDT	100	2.07	CAD	NEO
July 30, 2019	09:47:58	EDT	200	2.07	CAD	NEO
July 30, 2019	09:48:14	EDT	200	2.07	CAD	TSX
July 30, 2019	09:48:14	EDT	100	2.07	CAD	TSX
July 30, 2019	09:51:04	EDT	1100	2.07	CAD	NEO
July 30, 2019	09:51:04	EDT	100	2.07	CAD	NEO
July 30, 2019	09:51:04	EDT	1200	2.07	CAD	TSX
July 30, 2019	10:00:01	EDT	1000	2.06	CAD	TSX
July 30, 2019	10:00:01	EDT	600	2.06	CAD	TSX
July 30, 2019	10:11:10	EDT	2600	2.06	CAD	TSX
July 30, 2019	10:11:10	EDT	2700	2.06	CAD	NEO
July 30, 2019	10:11:10	EDT	2200	2.06	CAD	NEO
July 30, 2019	10:11:10	EDT	100	2.06	CAD	NEO
July 30, 2019	10:11:10	EDT	2400	2.06	CAD	TSX
July 30, 2019	10:11:10	EDT	100	2.06	CAD	NEO
July 30, 2019	10:18:22	EDT	100	2.05	CAD	TSX
July 30, 2019	10:46:06	EDT	4000	2.05	CAD	NEO
July 30, 2019	11:23:19	EDT	1000	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	800	2.07	CAD	NEO
July 30, 2019	11:23:19	EDT	1000	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	5000	2.07	CAD	Alpha
July 30, 2019	11:23:19	EDT	500	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	100	2.07	CAD	Alpha
July 30, 2019	11:23:19	EDT	100	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	1000	2.07	CAD	Chi-X
July 30, 2019	11:23:19	EDT	100	2.07	CAD	Alpha
July 30, 2019	11:23:19	EDT	100	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	100	2.07	CAD	Chi-X
July 30, 2019	11:23:19	EDT	100	2.07	CAD	NEO
July 30, 2019	11:23:19	EDT	100	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	100	2.07	CAD	Chi-X
July 30, 2019	11:23:19	EDT	100	2.07	CAD	TSX
July 30, 2019	11:23:19	EDT	1500	2.07	CAD	Chi-X
July 30, 2019	11:23:19	EDT	2400	2.07	CAD	Chi-X
July 30, 2019	11:24:35	EDT	100	2.08	CAD	NEO
July 30, 2019	11:24:41	EDT	300	2.08	CAD	NEO
July 30, 2019	11:26:23	EDT	100	2.08	CAD	NEO
July 30, 2019	11:27:54	EDT	100	2.09	CAD	TSX

July 30, 2019	11:27:54	EDT	100	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	1000	2.09	CAD	NEO
July 30, 2019	11:28:47	EDT	1400	2.09	CAD	NEO
July 30, 2019	11:28:47	EDT	100	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	1300	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	500	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	1600	2.09	CAD	NEO
July 30, 2019	11:28:47	EDT	200	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	100	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	300	2.09	CAD	TSX
July 30, 2019	11:28:47	EDT	100	2.09	CAD	NEO
July 30, 2019	11:28:47	EDT	800	2.09	CAD	NEO
July 30, 2019	11:28:47	EDT	100	2.09	CAD	NEO
July 30, 2019	11:28:49	EDT	200	2.09	CAD	NEO
July 30, 2019	11:29:01	EDT	500	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	100	2.085	CAD	TSX
July 30, 2019	11:29:01	EDT	500	2.085	CAD	TSX
July 30, 2019	11:29:01	EDT	1000	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	1000	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	500	2.085	CAD	Chi-X
July 30, 2019	11:29:01	EDT	600	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	1500	2.09	CAD	Chi-X
July 30, 2019	11:29:01	EDT	2000	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	500	2.09	CAD	Chi-X
July 30, 2019	11:29:01	EDT	800	2.09	CAD	TSX
July 30, 2019	11:29:01	EDT	1500	2.09	CAD	Pure
July 30, 2019	11:29:01	EDT	300	2.09	CAD	Omega
July 30, 2019	11:33:11	EDT	1400	2.09	CAD	Chi-X
July 30, 2019	11:33:11	EDT	400	2.09	CAD	Chi-X
July 30, 2019	11:33:11	EDT	900	2.09	CAD	TSX
July 30, 2019	11:33:11	EDT	1000	2.09	CAD	TSX
July 30, 2019	11:33:11	EDT	800	2.09	CAD	Chi-X
July 30, 2019	11:33:11	EDT	700	2.09	CAD	TSX
July 30, 2019	11:43:59	EDT	1000	2.08	CAD	TSX
July 30, 2019	11:47:53	EDT	1000	2.09	CAD	TSX
July 30, 2019	11:47:53	EDT	100	2.09	CAD	TSX
July 30, 2019	11:47:53	EDT	1000	2.09	CAD	TSX
July 30, 2019	11:47:53	EDT	100	2.09	CAD	Chi-X
July 30, 2019	11:47:53	EDT	900	2.09	CAD	Chi-X
July 30, 2019	12:02:08	EDT	100	2.09	CAD	NEO
July 30, 2019	12:06:56	EDT	400	2.09	CAD	TSX
July 30, 2019	12:07:02	EDT	100	2.09	CAD	TSX
July 30, 2019	12:21:30	EDT	400	2.105	CAD	TSX
July 30, 2019	12:21:30	EDT	900	2.11	CAD	NEO
July 30, 2019	12:21:30	EDT	500	2.105	CAD	Chi-X
July 30, 2019	12:21:30	EDT	800	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	500	2.105	CAD	Chi-X
July 30, 2019	12:21:30	EDT	500	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	8100	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	900	2.11	CAD	Pure

July 30, 2019	12:21:30	EDT	1500	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	500	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	1500	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	200	2.11	CAD	Chi-X
July 30, 2019	12:21:30	EDT	600	2.11	CAD	Pure
July 30, 2019	12:21:30	EDT	1600	2.11	CAD	Chi-X
July 30, 2019	12:26:34	EDT	100	2.11	CAD	NEO
July 30, 2019	12:26:36	EDT	200	2.11	CAD	NEO
July 30, 2019	12:26:37	EDT	100	2.11	CAD	NEO
July 30, 2019	12:26:57	EDT	100	2.11	CAD	NEO
July 30, 2019	12:46:20	EDT	500	2.12	CAD	TSX
July 30, 2019	12:46:20	EDT	200	2.12	CAD	TSX
July 30, 2019	12:46:20	EDT	200	2.12	CAD	TSX
July 30, 2019	12:46:25	EDT	100	2.12	CAD	TSX
July 30, 2019	12:48:28	EDT	100	2.12	CAD	TSX
July 30, 2019	12:54:39	EDT	200	2.12	CAD	TSX
July 30, 2019	12:54:39	EDT	100	2.12	CAD	NEO
July 30, 2019	12:54:41	EDT	100	2.12	CAD	NEO
July 30, 2019	13:01:28	EDT	100	2.12	CAD	NEO
July 30, 2019	13:08:00	EDT	500	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	3500	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	100	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	1000	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	1000	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	1000	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	1600	2.14	CAD	TSX
July 30, 2019	13:08:00	EDT	400	2.14	CAD	TSX
July 30, 2019	13:12:02	EDT	100	2.15	CAD	Chi-X
July 30, 2019	13:12:02	EDT	700	2.15	CAD	NEO
July 30, 2019	13:12:02	EDT	100	2.15	CAD	NEO
July 30, 2019	13:19:12	EDT	700	2.16	CAD	NEO
July 30, 2019	13:19:12	EDT	400	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	500	2.16	CAD	Pure
July 30, 2019	13:19:12	EDT	100	2.16	CAD	NEO
July 30, 2019	13:19:12	EDT	300	2.16	CAD	Pure
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:19:12	EDT	100	2.16	CAD	Omega
July 30, 2019	13:31:34	EDT	1000	2.17	CAD	Chi-X
July 30, 2019	13:31:34	EDT	1000	2.17	CAD	TSX

July 30, 2019	13:31:34	EDT	800	2.17	CAD	Chi-X
July 30, 2019	13:31:34	EDT	500	2.17	CAD	TSX
July 30, 2019	13:31:34	EDT	100	2.17	CAD	TSX
July 30, 2019	13:31:34	EDT	900	2.17	CAD	TSX
July 30, 2019	13:34:32	EDT	1300	2.17	CAD	NEO
July 30, 2019	13:34:32	EDT	200	2.17	CAD	NEO
July 30, 2019	13:34:39	EDT	1300	2.17	CAD	NEO
July 30, 2019	13:34:39	EDT	100	2.17	CAD	NEO
July 30, 2019	13:48:36	EDT	2300	2.17	CAD	NEO
July 30, 2019	13:59:58	EDT	800	2.19	CAD	Chi-X
July 30, 2019	13:59:58	EDT	1100	2.19	CAD	Chi-X
July 30, 2019	13:59:58	EDT	1500	2.19	CAD	Pure
July 30, 2019	14:02:30	EDT	1800	2.19	CAD	NEO
July 30, 2019	14:02:30	EDT	500	2.19	CAD	NEO
July 30, 2019	14:02:58	EDT	100	2.19	CAD	TSX
July 30, 2019	14:03:44	EDT	700	2.19	CAD	NEO
July 30, 2019	14:04:47	EDT	1100	2.19	CAD	TSX
July 30, 2019	14:04:47	EDT	300	2.19	CAD	NEO
July 30, 2019	14:04:47	EDT	200	2.19	CAD	NEO
July 30, 2019	14:05:29	EDT	100	2.19	CAD	TSX
July 30, 2019	14:09:42	EDT	100	2.19	CAD	NEO
July 30, 2019	14:09:43	EDT	100	2.19	CAD	NEO
July 30, 2019	14:10:03	EDT	100	2.19	CAD	NEO
July 30, 2019	14:17:40	EDT	300	2.2	CAD	TSX
July 30, 2019	14:17:40	EDT	100	2.2	CAD	NEO
July 30, 2019	14:17:40	EDT	600	2.2	CAD	NEO
July 30, 2019	14:21:48	EDT	800	2.21	CAD	Chi-X
July 30, 2019	14:21:48	EDT	100	2.21	CAD	NEO
July 30, 2019	14:21:48	EDT	900	2.21	CAD	Pure
July 30, 2019	14:21:48	EDT	500	2.205	CAD	Chi-X
July 30, 2019	14:21:48	EDT	600	2.21	CAD	Pure
July 30, 2019	14:22:26	EDT	1600	2.2	CAD	TSX
July 30, 2019	14:22:26	EDT	1700	2.2	CAD	NEO
July 30, 2019	14:22:26	EDT	100	2.2	CAD	TSX
July 30, 2019	14:22:26	EDT	100	2.2	CAD	NEO
July 30, 2019	14:40:47	EDT	1200	2.18	CAD	TSX
July 30, 2019	14:41:56	EDT	3800	2.18	CAD	TSX
July 30, 2019	14:49:41	EDT	1800	2.18	CAD	TSX
July 30, 2019	14:49:43	EDT	1900	2.18	CAD	TSX
July 30, 2019	14:49:43	EDT	200	2.18	CAD	TSX
July 30, 2019	14:51:43	EDT	1900	2.18	CAD	NEO
July 30, 2019	14:51:43	EDT	2200	2.18	CAD	TSX
July 30, 2019	14:51:43	EDT	400	2.18	CAD	NEO
July 30, 2019	15:06:57	EDT	1600	2.16	CAD	TSX
July 30, 2019	15:07:15	EDT	100	2.16	CAD	TSX
July 30, 2019	15:07:34	EDT	200	2.16	CAD	NEO
July 30, 2019	15:09:12	EDT	100	2.16	CAD	NEO
July 30, 2019	15:11:27	EDT	100	2.16	CAD	NEO
July 30, 2019	15:12:09	EDT	100	2.16	CAD	TSX
July 30, 2019	15:12:40	EDT	100	2.16	CAD	NEO

July 30, 2019	15:16:24	EDT	100	2.16	CAD	NEO
July 30, 2019	15:17:20	EDT	100	2.16	CAD	NEO
July 30, 2019	15:17:39	EDT	100	2.16	CAD	NEO
July 30, 2019	15:17:39	EDT	6000	2.16	CAD	NEO
July 30, 2019	15:17:41	EDT	700	2.16	CAD	NEO
July 30, 2019	15:18:31	EDT	100	2.16	CAD	NEO
July 30, 2019	15:18:31	EDT	100	2.16	CAD	NEO
July 30, 2019	15:19:41	EDT	100	2.16	CAD	NEO
July 30, 2019	15:19:45	EDT	500	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	1000	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	400	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	1000	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	700	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	1500	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	600	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	500	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	25	2.17	CAD	TSX
July 30, 2019	15:19:45	EDT	600	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	100	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	400	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	100	2.17	CAD	NEO
July 30, 2019	15:19:45	EDT	100	2.17	CAD	NEO
July 31, 2019	09:33:32	EDT	100	2.17	CAD	TSX
July 31, 2019	09:33:48	EDT	1800	2.17	CAD	TSX
July 31, 2019	09:33:48	EDT	1300	2.17	CAD	NEO
July 31, 2019	09:33:48	EDT	300	2.17	CAD	NEO
July 31, 2019	09:33:48	EDT	300	2.17	CAD	NEO
July 31, 2019	09:34:06	EDT	400	2.17	CAD	NEO
July 31, 2019	09:35:15	EDT	900	2.17	CAD	TSX
July 31, 2019	09:35:15	EDT	100	2.17	CAD	TSX
July 31, 2019	09:36:45	EDT	1500	2.17	CAD	TSX
July 31, 2019	09:36:45	EDT	100	2.17	CAD	NEO
July 31, 2019	09:36:45	EDT	1400	2.17	CAD	NEO
July 31, 2019	09:40:00	EDT	900	2.15	CAD	TSX
July 31, 2019	09:40:00	EDT	900	2.15	CAD	NEO
July 31, 2019	09:40:08	EDT	100	2.15	CAD	TSX
July 31, 2019	09:40:08	EDT	200	2.15	CAD	NEO
July 31, 2019	09:47:13	EDT	800	2.18	CAD	NEO
July 31, 2019	09:47:13	EDT	1800	2.18	CAD	NEO
July 31, 2019	09:48:15	EDT	100	2.18	CAD	NEO
July 31, 2019	09:48:15	EDT	600	2.18	CAD	Pure
July 31, 2019	09:48:15	EDT	300	2.18	CAD	Pure
July 31, 2019	09:48:30	EDT	100	2.17	CAD	TSX
July 31, 2019	09:48:53	EDT	200	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	500	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	700	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	500	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	400	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	400	2.17	CAD	TSX
July 31, 2019	09:51:57	EDT	200	2.17	CAD	NEO

July 31, 2019	09:51:57	EDT	1800	2.17	CAD	NEO
July 31, 2019	09:51:57	EDT	600	2.17	CAD	NEO
July 31, 2019	10:03:08	EDT	200	2.17	CAD	Chi-X
July 31, 2019	10:03:08	EDT	700	2.17	CAD	NEO
July 31, 2019	10:03:08	EDT	1500	2.17	CAD	Chi-X
July 31, 2019	10:03:08	EDT	500	2.165	CAD	Chi-X
July 31, 2019	10:03:08	EDT	300	2.165	CAD	TSX
July 31, 2019	10:06:13	EDT	700	2.17	CAD	Chi-X
July 31, 2019	10:06:13	EDT	700	2.17	CAD	Chi-X
July 31, 2019	10:06:13	EDT	100	2.17	CAD	NEO
July 31, 2019	10:06:13	EDT	400	2.17	CAD	Chi-X
July 31, 2019	10:06:13	EDT	100	2.17	CAD	Chi-X
July 31, 2019	10:08:15	EDT	400	2.17	CAD	NEO
July 31, 2019	10:08:15	EDT	600	2.17	CAD	Chi-X
July 31, 2019	10:08:15	EDT	200	2.17	CAD	Chi-X
July 31, 2019	10:10:16	EDT	600	2.17	CAD	Chi-X
July 31, 2019	10:10:16	EDT	400	2.17	CAD	Chi-X
July 31, 2019	10:20:02	EDT	600	2.19	CAD	TSX
July 31, 2019	10:20:02	EDT	2000	2.19	CAD	TSX
July 31, 2019	10:20:02	EDT	900	2.19	CAD	TSX
July 31, 2019	10:20:02	EDT	400	2.19	CAD	NEO
July 31, 2019	10:20:02	EDT	1500	2.19	CAD	NEO
July 31, 2019	10:20:02	EDT	800	2.19	CAD	NEO
July 31, 2019	10:20:02	EDT	400	2.19	CAD	NEO
July 31, 2019	10:20:02	EDT	100	2.19	CAD	NEO
July 31, 2019	10:20:02	EDT	300	2.19	CAD	NEO
July 31, 2019	10:25:10	EDT	800	2.18	CAD	NEO
July 31, 2019	10:25:10	EDT	200	2.18	CAD	NEO
July 31, 2019	10:25:10	EDT	900	2.18	CAD	TSX
July 31, 2019	10:28:37	EDT	100	2.18	CAD	TSX
July 31, 2019	10:28:58	EDT	1000	2.17	CAD	TSX
July 31, 2019	10:28:58	EDT	300	2.17	CAD	NEO
July 31, 2019	10:28:58	EDT	700	2.17	CAD	NEO
July 31, 2019	10:35:26	EDT	1200	2.19	CAD	Chi-X
July 31, 2019	10:39:06	EDT	1500	2.19	CAD	NEO
July 31, 2019	10:39:06	EDT	1000	2.19	CAD	NEO
July 31, 2019	10:39:06	EDT	2500	2.19	CAD	TSX
July 31, 2019	10:53:13	EDT	1000	2.2	CAD	TSX
July 31, 2019	10:53:13	EDT	1000	2.2	CAD	TSX
July 31, 2019	10:53:13	EDT	300	2.2	CAD	Chi-X
July 31, 2019	10:53:13	EDT	300	2.2	CAD	TSX
July 31, 2019	10:53:13	EDT	500	2.195	CAD	Chi-X
July 31, 2019	10:53:13	EDT	600	2.2	CAD	Chi-X
July 31, 2019	10:53:13	EDT	200	2.2	CAD	TSX
July 31, 2019	10:53:13	EDT	1000	2.2	CAD	TSX
July 31, 2019	10:53:13	EDT	400	2.2	CAD	TSX
July 31, 2019	10:59:22	EDT	3000	2.2	CAD	NEO
July 31, 2019	10:59:22	EDT	200	2.2	CAD	NEO
July 31, 2019	10:59:22	EDT	3100	2.2	CAD	TSX
July 31, 2019	11:24:58	EDT	700	2.2	CAD	NEO

July 31, 2019	11:25:02	EDT	2500	2.2	CAD	TSX
July 31, 2019	11:25:02	EDT	1400	2.2	CAD	NEO
July 31, 2019	11:26:00	EDT	100	2.2	CAD	NEO
July 31, 2019	11:33:42	EDT	500	2.205	CAD	TSX
July 31, 2019	11:33:42	EDT	300	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	4900	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	1100	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	1000	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	500	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	3000	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	300	2.21	CAD	TSX
July 31, 2019	11:33:42	EDT	1400	2.21	CAD	TSX
July 31, 2019	11:37:50	EDT	600	2.21	CAD	Chi-X
July 31, 2019	11:37:50	EDT	400	2.21	CAD	Chi-X
July 31, 2019	11:37:50	EDT	900	2.21	CAD	TSX
July 31, 2019	11:37:50	EDT	800	2.21	CAD	Chi-X
July 31, 2019	11:37:50	EDT	100	2.21	CAD	TSX
July 31, 2019	11:38:53	EDT	900	2.21	CAD	Chi-X
July 31, 2019	11:40:54	EDT	1100	2.21	CAD	Pure
July 31, 2019	12:01:47	EDT	100	2.21	CAD	TSX
July 31, 2019	12:01:47	EDT	500	2.205	CAD	TSX
July 31, 2019	12:01:47	EDT	5000	2.21	CAD	TSX
July 31, 2019	12:01:47	EDT	500	2.21	CAD	TSX
July 31, 2019	12:01:47	EDT	200	2.205	CAD	TSX
July 31, 2019	12:01:47	EDT	1000	2.21	CAD	TSX
July 31, 2019	12:01:47	EDT	1000	2.21	CAD	TSX
July 31, 2019	12:01:47	EDT	100	2.21	CAD	TSX
July 31, 2019	12:03:49	EDT	300	2.21	CAD	TSX
July 31, 2019	12:03:49	EDT	1200	2.21	CAD	TSX
July 31, 2019	12:04:16	EDT	200	2.2	CAD	NEO
July 31, 2019	12:04:16	EDT	100	2.2	CAD	NEO
July 31, 2019	12:04:16	EDT	1300	2.2	CAD	TSX
July 31, 2019	12:04:16	EDT	400	2.2	CAD	TSX
July 31, 2019	12:04:16	EDT	1100	2.2	CAD	NEO
July 31, 2019	12:04:16	EDT	400	2.2	CAD	NEO
July 31, 2019	12:09:29	EDT	1000	2.19	CAD	TSX
July 31, 2019	12:09:29	EDT	100	2.19	CAD	NEO
July 31, 2019	12:09:29	EDT	1000	2.19	CAD	NEO
July 31, 2019	12:14:32	EDT	500	2.18	CAD	NEO
July 31, 2019	12:14:37	EDT	800	2.18	CAD	TSX
July 31, 2019	12:14:37	EDT	200	2.18	CAD	TSX
July 31, 2019	12:14:37	EDT	300	2.18	CAD	NEO
July 31, 2019	12:14:37	EDT	200	2.18	CAD	NEO
July 31, 2019	12:19:27	EDT	100	2.16	CAD	TSX
July 31, 2019	12:22:04	EDT	500	2.16	CAD	TSX
July 31, 2019	12:22:42	EDT	1900	2.16	CAD	TSX
July 31, 2019	12:22:42	EDT	1100	2.16	CAD	NEO
July 31, 2019	12:22:42	EDT	800	2.16	CAD	NEO
July 31, 2019	12:22:42	EDT	100	2.16	CAD	NEO
July 31, 2019	12:37:15	EDT	900	2.17	CAD	TSX

July 31, 2019	12:37:15	EDT	100	2.17	CAD	TSX
July 31, 2019	12:40:16	EDT	200	2.17	CAD	NEO
July 31, 2019	12:40:16	EDT	200	2.17	CAD	Omega
July 31, 2019	12:40:16	EDT	500	2.17	CAD	Omega
July 31, 2019	12:45:17	EDT	500	2.165	CAD	TSX
July 31, 2019	12:45:17	EDT	200	2.17	CAD	TSX
July 31, 2019	12:45:17	EDT	200	2.17	CAD	TSX
July 31, 2019	12:54:25	EDT	500	2.165	CAD	TSX
July 31, 2019	12:54:25	EDT	700	2.17	CAD	TSX
July 31, 2019	12:54:25	EDT	900	2.17	CAD	TSX
July 31, 2019	12:54:25	EDT	200	2.17	CAD	TSX
July 31, 2019	12:59:29	EDT	100	2.17	CAD	TSX
July 31, 2019	12:59:29	EDT	100	2.17	CAD	Chi-X
July 31, 2019	12:59:29	EDT	100	2.17	CAD	TSX
July 31, 2019	12:59:29	EDT	900	2.17	CAD	Pure
July 31, 2019	13:05:34	EDT	100	2.16	CAD	NEO
July 31, 2019	13:10:40	EDT	500	2.165	CAD	TSX
July 31, 2019	13:10:40	EDT	400	2.17	CAD	TSX
July 31, 2019	13:10:40	EDT	200	2.17	CAD	TSX
July 31, 2019	13:10:40	EDT	200	2.17	CAD	TSX
July 31, 2019	13:10:40	EDT	300	2.17	CAD	TSX
July 31, 2019	13:10:40	EDT	700	2.17	CAD	TSX
July 31, 2019	13:13:41	EDT	100	2.165	CAD	TSX
July 31, 2019	13:13:41	EDT	200	2.17	CAD	TSX
July 31, 2019	13:13:41	EDT	500	2.165	CAD	TSX
July 31, 2019	13:13:41	EDT	300	2.17	CAD	TSX
July 31, 2019	13:14:53	EDT	700	2.16	CAD	NEO
July 31, 2019	13:14:53	EDT	1000	2.16	CAD	NEO
July 31, 2019	13:14:53	EDT	100	2.16	CAD	NEO
July 31, 2019	13:14:53	EDT	1700	2.16	CAD	TSX
July 31, 2019	13:23:28	EDT	900	2.14	CAD	NEO
July 31, 2019	13:28:32	EDT	800	2.15	CAD	Chi-X
July 31, 2019	13:31:33	EDT	300	2.15	CAD	Chi-X
July 31, 2019	13:31:33	EDT	600	2.15	CAD	Chi-X
July 31, 2019	13:36:36	EDT	800	2.15	CAD	TSX
July 31, 2019	13:36:36	EDT	400	2.15	CAD	TSX
July 31, 2019	13:36:36	EDT	100	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	1000	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	1000	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	800	2.15	CAD	Chi-X
July 31, 2019	13:55:05	EDT	300	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	300	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	300	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	100	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	200	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	600	2.15	CAD	Omega
July 31, 2019	13:55:05	EDT	300	2.15	CAD	Omega
July 31, 2019	13:55:05	EDT	100	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	900	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	500	2.15	CAD	TSX

July 31, 2019	13:55:05	EDT	200	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	300	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	100	2.15	CAD	TSX
July 31, 2019	13:55:05	EDT	100	2.15	CAD	Alpha
July 31, 2019	13:55:05	EDT	100	2.15	CAD	Alpha
July 31, 2019	14:01:50	EDT	100	2.14	CAD	TSX
July 31, 2019	14:01:50	EDT	1600	2.14	CAD	NEO
July 31, 2019	14:01:50	EDT	400	2.14	CAD	TSX
July 31, 2019	14:01:50	EDT	1700	2.14	CAD	TSX
July 31, 2019	14:01:51	EDT	100	2.14	CAD	NEO
July 31, 2019	14:01:51	EDT	100	2.14	CAD	NEO
July 31, 2019	14:01:51	EDT	400	2.14	CAD	NEO
July 31, 2019	14:15:30	EDT	600	2.14	CAD	Chi-X
July 31, 2019	14:15:30	EDT	400	2.14	CAD	Chi-X
July 31, 2019	14:18:33	EDT	800	2.14	CAD	TSX
July 31, 2019	14:18:33	EDT	300	2.14	CAD	Chi-X
July 31, 2019	14:18:33	EDT	200	2.14	CAD	Chi-X
July 31, 2019	14:22:39	EDT	500	2.14	CAD	TSX
July 31, 2019	14:22:39	EDT	100	2.14	CAD	TSX
July 31, 2019	14:22:39	EDT	200	2.14	CAD	Chi-X
July 31, 2019	14:22:39	EDT	800	2.14	CAD	Chi-X
July 31, 2019	14:22:39	EDT	1000	2.14	CAD	TSX
July 31, 2019	14:25:40	EDT	1200	2.14	CAD	Pure
July 31, 2019	14:27:42	EDT	100	2.14	CAD	TSX
July 31, 2019	14:27:42	EDT	100	2.14	CAD	TSX
July 31, 2019	14:27:42	EDT	1000	2.14	CAD	TSX
July 31, 2019	14:27:42	EDT	100	2.14	CAD	TSX
July 31, 2019	14:30:43	EDT	800	2.14	CAD	Chi-X
July 31, 2019	14:30:43	EDT	100	2.14	CAD	Chi-X
July 31, 2019	14:32:45	EDT	100	2.14	CAD	TSX
July 31, 2019	14:32:45	EDT	1000	2.14	CAD	TSX
July 31, 2019	14:32:45	EDT	100	2.14	CAD	TSX
July 31, 2019	14:34:47	EDT	1000	2.14	CAD	TSX
July 31, 2019	14:34:47	EDT	100	2.14	CAD	TSX
July 31, 2019	14:34:47	EDT	400	2.14	CAD	Alpha
July 31, 2019	14:34:47	EDT	100	2.14	CAD	TSX
July 31, 2019	14:34:47	EDT	100	2.14	CAD	TSX
July 31, 2019	14:45:52	EDT	3000	2.13	CAD	TSX
July 31, 2019	14:45:52	EDT	300	2.13	CAD	TSX
July 31, 2019	14:45:52	EDT	2900	2.13	CAD	NEO
July 31, 2019	14:45:52	EDT	700	2.13	CAD	TSX
July 31, 2019	14:45:52	EDT	1000	2.13	CAD	NEO
July 31, 2019	14:45:52	EDT	100	2.13	CAD	NEO
July 31, 2019	14:45:52	EDT	100	2.13	CAD	NEO
July 31, 2019	14:50:23	EDT	200	2.12	CAD	NEO
July 31, 2019	14:50:23	EDT	500	2.12	CAD	NEO
July 31, 2019	14:50:48	EDT	200	2.12	CAD	TSX
July 31, 2019	14:50:48	EDT	300	2.12	CAD	NEO
July 31, 2019	14:50:48	EDT	800	2.12	CAD	TSX
July 31, 2019	15:01:18	EDT	500	2.105	CAD	TSX

July 31, 2019	15:01:18	EDT	800	2.11	CAD	TSX
July 31, 2019	15:01:18	EDT	300	2.11	CAD	TSX
July 31, 2019	15:01:18	EDT	100	2.11	CAD	TSX
July 31, 2019	15:04:21	EDT	800	2.12	CAD	Chi-X
July 31, 2019	15:04:21	EDT	200	2.12	CAD	Chi-X
July 31, 2019	15:05:23	EDT	1000	2.13	CAD	Chi-X
July 31, 2019	15:07:06	EDT	1000	2.13	CAD	TSX
July 31, 2019	15:07:06	EDT	400	2.13	CAD	TSX
July 31, 2019	15:07:06	EDT	600	2.13	CAD	TSX
July 31, 2019	15:07:06	EDT	100	2.13	CAD	TSX
July 31, 2019	15:07:09	EDT	400	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	100	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	100	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	3100	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	7500	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	400	2.14	CAD	TSX
July 31, 2019	15:07:09	EDT	25	2.14	CAD	TSX
August 1, 2019	09:31:56	EDT	700	2.1	CAD	NEO
August 1, 2019	09:31:56	EDT	500	2.1	CAD	TSX
August 1, 2019	09:31:56	EDT	200	2.1	CAD	NEO
August 1, 2019	09:31:56	EDT	200	2.1	CAD	TSX
August 1, 2019	09:31:56	EDT	300	2.1	CAD	TSX
August 1, 2019	09:31:56	EDT	100	2.1	CAD	NEO
August 1, 2019	09:33:35	EDT	200	2.1	CAD	TSX
August 1, 2019	09:33:35	EDT	200	2.1	CAD	TSX
August 1, 2019	09:33:35	EDT	200	2.1	CAD	TSX
August 1, 2019	09:33:35	EDT	400	2.1	CAD	TSX
August 1, 2019	09:35:08	EDT	900	2.1	CAD	NEO
August 1, 2019	09:35:19	EDT	100	2.1	CAD	NEO
August 1, 2019	09:35:27	EDT	1500	2.1	CAD	TSX
August 1, 2019	09:35:27	EDT	1400	2.1	CAD	NEO
August 1, 2019	09:35:27	EDT	100	2.1	CAD	NEO
August 1, 2019	09:40:24	EDT	800	2.09	CAD	TSX
August 1, 2019	09:40:24	EDT	800	2.09	CAD	NEO
August 1, 2019	09:40:24	EDT	200	2.09	CAD	TSX
August 1, 2019	09:44:01	EDT	1700	2.1	CAD	TSX
August 1, 2019	09:44:30	EDT	100	2.1	CAD	TSX
August 1, 2019	09:50:57	EDT	200	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	600	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	800	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	1500	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	400	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	1100	2.11	CAD	TSX
August 1, 2019	09:50:57	EDT	400	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	800	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	100	2.11	CAD	Chi-X
August 1, 2019	09:50:57	EDT	500	2.11	CAD	Chi-X
August 1, 2019	09:56:00	EDT	200	2.11	CAD	Chi-X
August 1, 2019	09:56:00	EDT	1100	2.11	CAD	Chi-X
August 1, 2019	09:58:02	EDT	600	2.11	CAD	Chi-X

August 1, 2019	09:58:02	EDT	100	2.11	CAD	Chi-X
August 1, 2019	09:58:02	EDT	100	2.11	CAD	Chi-X
August 1, 2019	10:01:06	EDT	300	2.13	CAD	TSX
August 1, 2019	10:01:06	EDT	100	2.13	CAD	Chi-X
August 1, 2019	10:01:06	EDT	1300	2.13	CAD	TSX
August 1, 2019	10:01:06	EDT	400	2.13	CAD	TSX
August 1, 2019	10:03:08	EDT	700	2.13	CAD	TSX
August 1, 2019	10:03:08	EDT	100	2.13	CAD	TSX
August 1, 2019	10:03:08	EDT	500	2.13	CAD	TSX
August 1, 2019	10:05:11	EDT	200	2.14	CAD	TSX
August 1, 2019	10:05:11	EDT	1000	2.14	CAD	TSX
August 1, 2019	10:06:13	EDT	500	2.14	CAD	TSX
August 1, 2019	10:06:13	EDT	300	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	300	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	100	2.14	CAD	TSX
August 1, 2019	10:08:15	EDT	200	2.14	CAD	TSX
August 1, 2019	10:10:17	EDT	600	2.15	CAD	TSX
August 1, 2019	10:11:18	EDT	100	2.16	CAD	TSX
August 1, 2019	10:11:18	EDT	400	2.16	CAD	TSX
August 1, 2019	10:11:18	EDT	300	2.16	CAD	TSX
August 1, 2019	10:13:33	EDT	1600	2.15	CAD	TSX
August 1, 2019	10:13:33	EDT	200	2.15	CAD	TSX
August 1, 2019	10:16:23	EDT	1200	2.15	CAD	NEO
August 1, 2019	10:26:31	EDT	1300	2.16	CAD	NEO
August 1, 2019	10:26:31	EDT	100	2.16	CAD	TSX
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	800	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	100	2.16	CAD	Chi-X
August 1, 2019	10:26:31	EDT	400	2.16	CAD	Chi-X
August 1, 2019	10:29:34	EDT	300	2.18	CAD	Chi-X
August 1, 2019	10:29:34	EDT	800	2.18	CAD	TSX
August 1, 2019	10:29:34	EDT	100	2.18	CAD	Chi-X
August 1, 2019	10:30:36	EDT	800	2.18	CAD	Chi-X
August 1, 2019	10:30:36	EDT	100	2.18	CAD	NEO
August 1, 2019	10:32:38	EDT	300	2.18	CAD	Chi-X
August 1, 2019	10:32:38	EDT	100	2.18	CAD	NEO
August 1, 2019	10:32:38	EDT	500	2.18	CAD	Chi-X
August 1, 2019	10:32:38	EDT	500	2.18	CAD	Chi-X

August 1, 2019	10:35:43	EDT	100	2.19	CAD	Chi-X
August 1, 2019	10:35:43	EDT	700	2.19	CAD	Chi-X
August 1, 2019	10:35:43	EDT	1300	2.19	CAD	Pure
August 1, 2019	10:35:43	EDT	100	2.19	CAD	Pure
August 1, 2019	10:35:57	EDT	400	2.18	CAD	NEO
August 1, 2019	10:35:57	EDT	700	2.18	CAD	NEO
August 1, 2019	10:35:57	EDT	1300	2.18	CAD	TSX
August 1, 2019	10:35:57	EDT	300	2.18	CAD	NEO
August 1, 2019	10:35:57	EDT	400	2.18	CAD	TSX
August 1, 2019	10:35:57	EDT	300	2.18	CAD	NEO
August 1, 2019	10:35:57	EDT	100	2.18	CAD	NEO
August 1, 2019	10:42:19	EDT	1100	2.18	CAD	NEO
August 1, 2019	10:48:12	EDT	1000	2.17	CAD	TSX
August 1, 2019	10:55:55	EDT	600	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	1500	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	300	2.18	CAD	TSX
August 1, 2019	10:55:55	EDT	700	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	1400	2.18	CAD	NEO
August 1, 2019	10:55:55	EDT	100	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	100	2.18	CAD	NEO
August 1, 2019	10:55:55	EDT	300	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	1100	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	100	2.18	CAD	Chi-X
August 1, 2019	10:55:55	EDT	100	2.18	CAD	Chi-X
August 1, 2019	10:58:56	EDT	100	2.18	CAD	Pure
August 1, 2019	10:58:56	EDT	100	2.18	CAD	Pure
August 1, 2019	10:58:56	EDT	400	2.18	CAD	Pure
August 1, 2019	10:58:56	EDT	600	2.18	CAD	Pure
August 1, 2019	11:00:58	EDT	300	2.2	CAD	TSX
August 1, 2019	11:00:58	EDT	300	2.2	CAD	TSX
August 1, 2019	11:00:58	EDT	100	2.2	CAD	TSX
August 1, 2019	11:00:58	EDT	200	2.2	CAD	NEO
August 1, 2019	11:03:00	EDT	1000	2.2	CAD	TSX
August 1, 2019	11:03:00	EDT	100	2.2	CAD	Chi-X
August 1, 2019	11:03:58	EDT	1600	2.19	CAD	TSX
August 1, 2019	11:03:58	EDT	400	2.19	CAD	NEO
August 1, 2019	11:03:58	EDT	700	2.19	CAD	NEO
August 1, 2019	11:03:58	EDT	600	2.19	CAD	NEO
August 1, 2019	11:03:58	EDT	100	2.19	CAD	TSX
August 1, 2019	11:08:07	EDT	1000	2.19	CAD	TSX
August 1, 2019	11:08:07	EDT	100	2.19	CAD	NEO
August 1, 2019	11:08:07	EDT	1000	2.19	CAD	NEO
August 1, 2019	11:08:35	EDT	800	2.17	CAD	TSX
August 1, 2019	11:08:35	EDT	300	2.17	CAD	TSX
August 1, 2019	11:08:35	EDT	800	2.17	CAD	NEO
August 1, 2019	11:08:35	EDT	100	2.17	CAD	NEO
August 1, 2019	11:08:35	EDT	200	2.17	CAD	NEO
August 1, 2019	11:18:42	EDT	100	2.17	CAD	TSX
August 1, 2019	11:18:42	EDT	2900	2.17	CAD	NEO
August 1, 2019	11:18:42	EDT	2600	2.17	CAD	TSX

August 1, 2019	11:18:42	EDT	100	2.17	CAD	TSX
August 1, 2019	11:18:42	EDT	200	2.17	CAD	TSX
August 1, 2019	11:18:42	EDT	100	2.17	CAD	NEO
August 1, 2019	11:22:34	EDT	200	2.15	CAD	TSX
August 1, 2019	11:22:34	EDT	100	2.15	CAD	NEO
August 1, 2019	11:22:34	EDT	300	2.15	CAD	TSX
August 1, 2019	11:22:34	EDT	100	2.15	CAD	NEO
August 1, 2019	11:22:34	EDT	200	2.15	CAD	TSX
August 1, 2019	11:28:37	EDT	100	2.16	CAD	Pure
August 1, 2019	11:28:37	EDT	900	2.16	CAD	Pure
August 1, 2019	11:28:37	EDT	1400	2.16	CAD	Pure
August 1, 2019	11:30:39	EDT	500	2.16	CAD	TSX
August 1, 2019	11:30:39	EDT	100	2.16	CAD	TSX
August 1, 2019	11:30:39	EDT	100	2.16	CAD	Pure
August 1, 2019	11:30:39	EDT	100	2.16	CAD	Pure
August 1, 2019	11:33:40	EDT	500	2.155	CAD	TSX
August 1, 2019	11:33:40	EDT	400	2.16	CAD	TSX
August 1, 2019	11:33:40	EDT	200	2.16	CAD	TSX
August 1, 2019	11:33:44	EDT	1400	2.15	CAD	TSX
August 1, 2019	11:33:45	EDT	200	2.15	CAD	TSX
August 1, 2019	11:33:45	EDT	100	2.15	CAD	TSX
August 1, 2019	11:33:45	EDT	900	2.15	CAD	NEO
August 1, 2019	11:33:48	EDT	500	2.15	CAD	NEO
August 1, 2019	11:33:48	EDT	100	2.15	CAD	NEO
August 1, 2019	11:33:48	EDT	300	2.15	CAD	Chi-X
August 1, 2019	11:41:26	EDT	1100	2.16	CAD	NEO
August 1, 2019	11:41:26	EDT	300	2.16	CAD	Pure
August 1, 2019	11:42:04	EDT	100	2.16	CAD	NEO
August 1, 2019	11:42:35	EDT	1200	2.16	CAD	NEO
August 1, 2019	11:43:07	EDT	100	2.16	CAD	NEO
August 1, 2019	11:45:31	EDT	100	2.165	CAD	TSX
August 1, 2019	11:45:31	EDT	100	2.17	CAD	Pure
August 1, 2019	11:45:31	EDT	400	2.17	CAD	Pure
August 1, 2019	11:45:31	EDT	200	2.17	CAD	Pure
August 1, 2019	11:48:33	EDT	400	2.17	CAD	TSX
August 1, 2019	11:48:33	EDT	800	2.17	CAD	TSX
August 1, 2019	11:50:35	EDT	100	2.18	CAD	Pure
August 1, 2019	11:50:35	EDT	700	2.18	CAD	Pure
August 1, 2019	11:51:06	EDT	100	2.17	CAD	NEO
August 1, 2019	11:51:47	EDT	100	2.17	CAD	NEO
August 1, 2019	11:52:36	EDT	700	2.18	CAD	Pure
August 1, 2019	11:52:43	EDT	100	2.17	CAD	NEO
August 1, 2019	11:55:38	EDT	600	2.18	CAD	Chi-X
August 1, 2019	11:55:38	EDT	100	2.18	CAD	Pure
August 1, 2019	11:55:38	EDT	500	2.18	CAD	Pure
August 1, 2019	11:58:39	EDT	1000	2.18	CAD	Chi-X
August 1, 2019	12:01:41	EDT	600	2.18	CAD	Chi-X
August 1, 2019	12:01:41	EDT	100	2.18	CAD	Chi-X
August 1, 2019	12:01:41	EDT	100	2.18	CAD	Pure
August 1, 2019	12:03:43	EDT	100	2.18	CAD	Pure

August 1, 2019	12:03:43	EDT	100	2.18	CAD	Pure
August 1, 2019	12:03:43	EDT	1300	2.18	CAD	Pure
August 1, 2019	12:04:20	EDT	600	2.17	CAD	NEO
August 1, 2019	12:06:48	EDT	800	2.18	CAD	Pure
August 1, 2019	12:07:50	EDT	1000	2.18	CAD	Pure
August 1, 2019	12:11:56	EDT	600	2.18	CAD	Pure
August 1, 2019	12:11:56	EDT	500	2.18	CAD	Chi-X
August 1, 2019	12:11:56	EDT	1000	2.18	CAD	Chi-X
August 1, 2019	12:14:59	EDT	700	2.18	CAD	Chi-X
August 1, 2019	12:14:59	EDT	100	2.18	CAD	Chi-X
August 1, 2019	12:14:59	EDT	100	2.18	CAD	Pure
August 1, 2019	12:14:59	EDT	300	2.18	CAD	Chi-X
August 1, 2019	12:14:59	EDT	500	2.18	CAD	Chi-X
August 1, 2019	12:14:59	EDT	300	2.18	CAD	Chi-X
August 1, 2019	12:20:02	EDT	500	2.175	CAD	TSX
August 1, 2019	12:20:02	EDT	700	2.18	CAD	TSX
August 1, 2019	12:20:02	EDT	200	2.18	CAD	TSX
August 1, 2019	12:22:14	EDT	600	2.17	CAD	NEO
August 1, 2019	12:26:05	EDT	100	2.18	CAD	Pure
August 1, 2019	12:26:05	EDT	200	2.18	CAD	Omega
August 1, 2019	12:26:05	EDT	400	2.18	CAD	Pure
August 1, 2019	12:26:05	EDT	200	2.18	CAD	NEO
August 1, 2019	12:26:05	EDT	100	2.18	CAD	Pure
August 1, 2019	12:27:21	EDT	1000	2.17	CAD	NEO
August 1, 2019	12:33:07	EDT	400	2.18	CAD	Chi-X
August 1, 2019	12:33:07	EDT	700	2.18	CAD	NEO
August 1, 2019	12:33:07	EDT	300	2.18	CAD	Pure
August 1, 2019	12:33:07	EDT	200	2.18	CAD	Omega
August 1, 2019	12:37:08	EDT	100	2.18	CAD	Pure
August 1, 2019	12:37:08	EDT	500	2.175	CAD	Chi-X
August 1, 2019	12:37:08	EDT	100	2.18	CAD	Pure
August 1, 2019	12:37:08	EDT	300	2.18	CAD	Chi-X
August 1, 2019	12:38:46	EDT	1600	2.17	CAD	TSX
August 1, 2019	12:38:46	EDT	100	2.17	CAD	TSX
August 1, 2019	12:38:46	EDT	1500	2.17	CAD	NEO
August 1, 2019	12:38:46	EDT	300	2.17	CAD	NEO
August 1, 2019	12:38:46	EDT	100	2.17	CAD	TSX
August 1, 2019	12:49:02	EDT	100	2.15	CAD	NEO
August 1, 2019	12:49:03	EDT	100	2.15	CAD	NEO
August 1, 2019	12:51:06	EDT	200	2.15	CAD	NEO
August 1, 2019	12:52:32	EDT	1000	2.15	CAD	TSX
August 1, 2019	12:52:32	EDT	500	2.15	CAD	NEO
August 1, 2019	12:59:11	EDT	100	2.15	CAD	NEO
August 1, 2019	13:03:14	EDT	100	2.16	CAD	Pure
August 1, 2019	13:03:14	EDT	600	2.16	CAD	Pure
August 1, 2019	13:07:15	EDT	100	2.16	CAD	Pure
August 1, 2019	13:07:15	EDT	800	2.16	CAD	Pure
August 1, 2019	13:14:19	EDT	300	2.16	CAD	TSX
August 1, 2019	13:14:19	EDT	1500	2.16	CAD	TSX
August 1, 2019	13:17:20	EDT	900	2.16	CAD	TSX

August 1, 2019	13:18:58	EDT	600	2.15	CAD	NEO
August 1, 2019	13:20:23	EDT	200	2.16	CAD	Chi-X
August 1, 2019	13:20:23	EDT	700	2.16	CAD	Pure
August 1, 2019	13:22:25	EDT	400	2.16	CAD	Pure
August 1, 2019	13:22:25	EDT	500	2.16	CAD	Chi-X
August 1, 2019	13:25:26	EDT	1000	2.16	CAD	Pure
August 1, 2019	13:29:18	EDT	1700	2.15	CAD	NEO
August 1, 2019	13:29:18	EDT	1500	2.15	CAD	TSX
August 1, 2019	13:29:18	EDT	100	2.15	CAD	TSX
August 1, 2019	13:29:18	EDT	100	2.15	CAD	NEO
August 1, 2019	13:29:18	EDT	200	2.15	CAD	TSX
August 1, 2019	13:36:40	EDT	900	2.13	CAD	TSX
August 1, 2019	13:36:40	EDT	900	2.13	CAD	NEO
August 1, 2019	13:36:40	EDT	100	2.13	CAD	TSX
August 1, 2019	13:36:40	EDT	100	2.13	CAD	NEO
August 1, 2019	13:47:29	EDT	100	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	100	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	100	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	100	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	900	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	300	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	200	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	100	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	100	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	300	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	200	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	200	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	200	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	300	2.11	CAD	TSX
August 1, 2019	13:47:29	EDT	200	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	100	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	100	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	100	2.11	CAD	NEO
August 1, 2019	13:47:29	EDT	100	2.11	CAD	NEO
August 1, 2019	13:47:31	EDT	100	2.11	CAD	NEO
August 1, 2019	13:48:28	EDT	300	2.11	CAD	NEO
August 1, 2019	13:53:33	EDT	100	2.1	CAD	NEO
August 1, 2019	13:54:38	EDT	100	2.1	CAD	NEO
August 1, 2019	13:54:38	EDT	700	2.1	CAD	NEO
August 1, 2019	13:54:38	EDT	200	2.1	CAD	TSX
August 1, 2019	13:54:39	EDT	200	2.1	CAD	NEO
August 1, 2019	13:54:39	EDT	200	2.1	CAD	TSX
August 1, 2019	13:54:40	EDT	400	2.1	CAD	TSX
August 1, 2019	13:54:44	EDT	200	2.1	CAD	TSX
August 1, 2019	14:01:59	EDT	200	2.11	CAD	NEO
August 1, 2019	14:01:59	EDT	700	2.11	CAD	NEO
August 1, 2019	14:01:59	EDT	700	2.11	CAD	TSX
August 1, 2019	14:02:00	EDT	100	2.11	CAD	TSX
August 1, 2019	14:02:00	EDT	200	2.11	CAD	TSX
August 1, 2019	14:02:00	EDT	200	2.11	CAD	NEO
August 1, 2019	14:10:41	EDT	200	2.08	CAD	NEO

August 1, 2019	14:12:55	EDT	500	2.1	CAD	TSX
August 1, 2019	14:12:55	EDT	300	2.1	CAD	TSX
August 1, 2019	14:15:57	EDT	800	2.1	CAD	NEO
August 1, 2019	14:17:59	EDT	600	2.1	CAD	NEO
August 1, 2019	14:17:59	EDT	200	2.1	CAD	NEO
August 1, 2019	14:20:02	EDT	1100	2.1	CAD	NEO
August 1, 2019	14:20:02	EDT	400	2.1	CAD	NEO
August 1, 2019	14:21:03	EDT	600	2.1	CAD	Chi-X
August 1, 2019	14:21:03	EDT	400	2.1	CAD	Chi-X
August 1, 2019	14:24:03	EDT	1500	2.09	CAD	TSX
August 1, 2019	14:24:03	EDT	300	2.09	CAD	TSX
August 1, 2019	14:24:03	EDT	900	2.09	CAD	NEO
August 1, 2019	14:24:03	EDT	100	2.09	CAD	NEO
August 1, 2019	14:24:03	EDT	600	2.09	CAD	NEO
August 1, 2019	14:24:03	EDT	200	2.09	CAD	NEO
August 1, 2019	14:32:16	EDT	600	2.1	CAD	Pure
August 1, 2019	14:32:16	EDT	400	2.1	CAD	Chi-X
August 1, 2019	14:33:19	EDT	100	2.1	CAD	Pure
August 1, 2019	14:33:19	EDT	400	2.1	CAD	Pure
August 1, 2019	14:33:19	EDT	500	2.1	CAD	Pure
August 1, 2019	14:34:24	EDT	100	2.09	CAD	NEO
August 1, 2019	14:35:20	EDT	500	2.1	CAD	Pure
August 1, 2019	14:35:20	EDT	200	2.1	CAD	Chi-X
August 1, 2019	14:35:20	EDT	100	2.1	CAD	Pure
August 1, 2019	14:35:20	EDT	700	2.1	CAD	Chi-X
August 1, 2019	14:38:22	EDT	900	2.1	CAD	Pure
August 1, 2019	14:38:22	EDT	100	2.1	CAD	Pure
August 1, 2019	14:38:22	EDT	100	2.1	CAD	Pure
August 1, 2019	14:39:23	EDT	800	2.1	CAD	Pure
August 1, 2019	14:42:26	EDT	100	2.11	CAD	TSX
August 1, 2019	14:42:26	EDT	100	2.11	CAD	TSX
August 1, 2019	14:42:26	EDT	400	2.11	CAD	TSX
August 1, 2019	14:42:26	EDT	300	2.11	CAD	TSX
August 1, 2019	14:44:27	EDT	600	2.11	CAD	Pure
August 1, 2019	14:44:27	EDT	500	2.11	CAD	Chi-X
August 1, 2019	14:47:29	EDT	300	2.11	CAD	TSX
August 1, 2019	14:47:29	EDT	800	2.11	CAD	Chi-X
August 1, 2019	14:49:29	EDT	300	2.12	CAD	TSX
August 1, 2019	14:49:29	EDT	100	2.12	CAD	TSX
August 1, 2019	14:49:29	EDT	600	2.12	CAD	TSX
August 1, 2019	14:50:09	EDT	1800	2.11	CAD	TSX
August 1, 2019	14:50:09	EDT	1600	2.11	CAD	NEO
August 1, 2019	14:50:09	EDT	200	2.11	CAD	NEO
August 1, 2019	15:01:03	EDT	500	2.095	CAD	TSX
August 1, 2019	15:01:03	EDT	300	2.1	CAD	TSX
August 1, 2019	15:01:03	EDT	700	2.1	CAD	TSX
August 1, 2019	15:01:03	EDT	200	2.1	CAD	TSX
August 1, 2019	15:05:04	EDT	1800	2.09	CAD	NEO
August 1, 2019	15:05:04	EDT	500	2.09	CAD	NEO
August 1, 2019	15:07:02	EDT	100	2.09	CAD	NEO

August 1, 2019	15:08:01	EDT	100	2.09	CAD	NEO
August 1, 2019	15:08:05	EDT	200	2.09	CAD	NEO
August 1, 2019	15:09:04	EDT	100	2.09	CAD	NEO
August 1, 2019	15:09:12	EDT	700	2.1	CAD	TSX
August 1, 2019	15:11:15	EDT	400	2.1	CAD	TSX
August 1, 2019	15:11:15	EDT	500	2.1	CAD	TSX
August 1, 2019	15:12:37	EDT	1100	2.09	CAD	TSX
August 1, 2019	15:12:37	EDT	500	2.09	CAD	TSX
August 1, 2019	15:12:37	EDT	1700	2.09	CAD	NEO
August 1, 2019	15:12:37	EDT	100	2.09	CAD	NEO
August 1, 2019	15:12:37	EDT	100	2.09	CAD	TSX
August 1, 2019	15:20:46	EDT	100	2.1	CAD	TSX
August 1, 2019	15:20:46	EDT	600	2.1	CAD	TSX
August 1, 2019	15:20:46	EDT	300	2.1	CAD	TSX
August 1, 2019	15:20:46	EDT	1000	2.1	CAD	TSX
August 1, 2019	15:21:33	EDT	300	2.11	CAD	TSX
August 1, 2019	15:21:33	EDT	1000	2.11	CAD	TSX
August 1, 2019	15:21:33	EDT	1000	2.11	CAD	TSX
August 1, 2019	15:21:33	EDT	100	2.11	CAD	NEO
August 1, 2019	15:21:33	EDT	700	2.11	CAD	TSX
August 1, 2019	15:21:33	EDT	25	2.11	CAD	TSX
August 1, 2019	15:21:33	EDT	100	2.11	CAD	NEO
August 1, 2019	15:21:33	EDT	100	2.11	CAD	Chi-X
August 1, 2019	15:21:33	EDT	900	2.11	CAD	Chi-X
August 1, 2019	15:21:33	EDT	1000	2.11	CAD	TSX
August 1, 2019	15:21:50	EDT	100	2.12	CAD	TSX
August 1, 2019	15:21:51	EDT	600	2.12	CAD	TSX
August 2, 2019	09:31:21	EDT	300	2.1	CAD	TSX
August 2, 2019	09:31:21	EDT	100	2.1	CAD	TSX
August 2, 2019	09:31:21	EDT	500	2.1	CAD	TSX
August 2, 2019	09:31:21	EDT	600	2.1	CAD	NEO
August 2, 2019	09:31:21	EDT	100	2.1	CAD	TSX
August 2, 2019	09:31:21	EDT	300	2.1	CAD	NEO
August 2, 2019	09:31:21	EDT	100	2.1	CAD	NEO
August 2, 2019	09:31:35	EDT	100	2.11	CAD	Chi-X
August 2, 2019	09:35:20	EDT	800	2.13	CAD	NEO
August 2, 2019	09:35:20	EDT	500	2.13	CAD	NEO
August 2, 2019	09:35:20	EDT	300	2.13	CAD	NEO
August 2, 2019	09:35:24	EDT	100	2.13	CAD	TSX
August 2, 2019	09:35:24	EDT	1000	2.13	CAD	TSX
August 2, 2019	09:35:24	EDT	200	2.13	CAD	TSX
August 2, 2019	09:35:24	EDT	100	2.13	CAD	TSX
August 2, 2019	09:35:24	EDT	100	2.13	CAD	TSX
August 2, 2019	09:36:12	EDT	100	2.12	CAD	TSX
August 2, 2019	09:36:12	EDT	200	2.12	CAD	TSX
August 2, 2019	09:36:15	EDT	200	2.12	CAD	TSX
August 2, 2019	09:36:55	EDT	100	2.12	CAD	NEO
August 2, 2019	09:37:09	EDT	100	2.12	CAD	TSX
August 2, 2019	09:37:09	EDT	200	2.12	CAD	NEO
August 2, 2019	09:37:09	EDT	600	2.12	CAD	NEO

August 2, 2019	09:39:24	EDT	1300	2.12	CAD	TSX
August 2, 2019	09:39:24	EDT	600	2.12	CAD	NEO
August 2, 2019	09:39:24	EDT	200	2.12	CAD	TSX
August 2, 2019	09:39:24	EDT	100	2.12	CAD	TSX
August 2, 2019	09:39:24	EDT	400	2.12	CAD	NEO
August 2, 2019	09:39:24	EDT	100	2.12	CAD	NEO
August 2, 2019	09:39:24	EDT	300	2.12	CAD	NEO
August 2, 2019	09:40:58	EDT	800	2.12	CAD	TSX
August 2, 2019	09:40:58	EDT	200	2.12	CAD	TSX
August 2, 2019	09:40:58	EDT	800	2.12	CAD	NEO
August 2, 2019	09:40:58	EDT	200	2.12	CAD	NEO
August 2, 2019	09:40:58	EDT	100	2.12	CAD	NEO
August 2, 2019	09:46:26	EDT	700	2.12	CAD	TSX
August 2, 2019	09:48:00	EDT	300	2.13	CAD	NEO
August 2, 2019	09:48:00	EDT	1000	2.13	CAD	NEO
August 2, 2019	09:49:43	EDT	100	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	500	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	800	2.12	CAD	NEO
August 2, 2019	09:49:43	EDT	100	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	400	2.12	CAD	NEO
August 2, 2019	09:49:43	EDT	500	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	100	2.12	CAD	NEO
August 2, 2019	09:49:43	EDT	100	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	100	2.12	CAD	NEO
August 2, 2019	09:49:43	EDT	500	2.12	CAD	TSX
August 2, 2019	09:49:43	EDT	100	2.12	CAD	NEO
August 2, 2019	09:49:43	EDT	100	2.12	CAD	NEO
August 2, 2019	09:49:44	EDT	200	2.12	CAD	NEO
August 2, 2019	09:56:45	EDT	800	2.1	CAD	TSX
August 2, 2019	09:56:45	EDT	800	2.1	CAD	NEO
August 2, 2019	09:56:45	EDT	200	2.1	CAD	TSX
August 2, 2019	09:56:45	EDT	1300	2.1	CAD	TSX
August 2, 2019	09:59:40	EDT	100	2.1	CAD	TSX
August 2, 2019	09:59:40	EDT	100	2.1	CAD	TSX
August 2, 2019	09:59:40	EDT	100	2.1	CAD	TSX
August 2, 2019	09:59:40	EDT	700	2.1	CAD	TSX
August 2, 2019	09:59:40	EDT	200	2.1	CAD	NEO
August 2, 2019	09:59:40	EDT	100	2.1	CAD	NEO
August 2, 2019	09:59:40	EDT	600	2.1	CAD	NEO
August 2, 2019	09:59:40	EDT	200	2.1	CAD	NEO
August 2, 2019	10:03:47	EDT	200	2.09	CAD	TSX
August 2, 2019	10:03:47	EDT	500	2.09	CAD	TSX
August 2, 2019	10:03:47	EDT	100	2.09	CAD	TSX
August 2, 2019	10:03:47	EDT	100	2.09	CAD	TSX
August 2, 2019	10:03:47	EDT	200	2.09	CAD	NEO
August 2, 2019	10:03:47	EDT	100	2.09	CAD	TSX
August 2, 2019	10:03:47	EDT	400	2.09	CAD	NEO
August 2, 2019	10:03:47	EDT	100	2.09	CAD	NEO
August 2, 2019	10:03:47	EDT	300	2.09	CAD	NEO
August 2, 2019	10:03:47	EDT	100	2.09	CAD	NEO

August 2, 2019	10:05:07	EDT	300	2.09	CAD	TSX
August 2, 2019	10:05:07	EDT	500	2.09	CAD	TSX
August 2, 2019	10:05:24	EDT	200	2.09	CAD	TSX
August 2, 2019	10:05:24	EDT	200	2.09	CAD	NEO
August 2, 2019	10:05:24	EDT	300	2.09	CAD	NEO
August 2, 2019	10:05:24	EDT	500	2.09	CAD	NEO
August 2, 2019	10:11:49	EDT	1000	2.09	CAD	TSX
August 2, 2019	10:11:49	EDT	200	2.09	CAD	NEO
August 2, 2019	10:11:49	EDT	800	2.09	CAD	NEO
August 2, 2019	10:12:30	EDT	800	2.08	CAD	TSX
August 2, 2019	10:12:30	EDT	100	2.08	CAD	TSX
August 2, 2019	10:12:30	EDT	100	2.08	CAD	TSX
August 2, 2019	10:12:30	EDT	300	2.08	CAD	NEO
August 2, 2019	10:12:30	EDT	200	2.08	CAD	NEO
August 2, 2019	10:12:30	EDT	100	2.08	CAD	NEO
August 2, 2019	10:13:15	EDT	400	2.08	CAD	NEO
August 2, 2019	10:13:15	EDT	100	2.08	CAD	NEO
August 2, 2019	10:19:39	EDT	1000	2.07	CAD	TSX
August 2, 2019	10:19:39	EDT	800	2.07	CAD	NEO
August 2, 2019	10:19:39	EDT	200	2.07	CAD	NEO
August 2, 2019	10:19:43	EDT	100	2.07	CAD	NEO
August 2, 2019	10:23:00	EDT	100	2.07	CAD	NEO
August 2, 2019	10:23:44	EDT	100	2.07	CAD	NEO
August 2, 2019	10:23:47	EDT	1000	2.07	CAD	TSX
August 2, 2019	10:23:47	EDT	700	2.07	CAD	NEO
August 2, 2019	10:23:57	EDT	100	2.07	CAD	NEO
August 2, 2019	10:28:51	EDT	800	2.06	CAD	TSX
August 2, 2019	10:28:51	EDT	100	2.06	CAD	TSX
August 2, 2019	10:28:51	EDT	100	2.06	CAD	TSX
August 2, 2019	10:28:52	EDT	800	2.06	CAD	NEO
August 2, 2019	10:28:52	EDT	200	2.06	CAD	NEO
August 2, 2019	10:33:54	EDT	900	2.05	CAD	NEO
August 2, 2019	10:33:54	EDT	100	2.05	CAD	NEO
August 2, 2019	10:37:34	EDT	100	2.05	CAD	NEO
August 2, 2019	10:38:25	EDT	100	2.05	CAD	NEO
August 2, 2019	10:39:47	EDT	100	2.05	CAD	NEO
August 2, 2019	10:40:47	EDT	100	2.055	CAD	TSX
August 2, 2019	10:40:47	EDT	400	2.06	CAD	TSX
August 2, 2019	10:40:47	EDT	1000	2.06	CAD	TSX
August 2, 2019	10:40:47	EDT	1100	2.06	CAD	TSX
August 2, 2019	10:40:47	EDT	1000	2.06	CAD	TSX
August 2, 2019	10:40:47	EDT	1500	2.06	CAD	TSX
August 2, 2019	10:41:32	EDT	200	2.05	CAD	NEO
August 2, 2019	10:42:42	EDT	200	2.05	CAD	NEO
August 2, 2019	10:43:52	EDT	200	2.05	CAD	NEO
August 2, 2019	10:45:03	EDT	100	2.05	CAD	NEO
August 2, 2019	10:48:50	EDT	2300	2.05	CAD	NEO
August 2, 2019	10:53:15	EDT	600	2.05	CAD	NEO
August 2, 2019	11:00:25	EDT	200	2.05	CAD	NEO
August 2, 2019	11:01:41	EDT	1200	2.06	CAD	Chi-X

August 2, 2019	12:18:56	EDT	300	2.08	CAD	Chi-X
August 2, 2019	12:18:56	EDT	300	2.08	CAD	Chi-X
August 2, 2019	12:18:56	EDT	1000	2.08	CAD	Chi-X
August 2, 2019	12:18:56	EDT	200	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:56	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:18:57	EDT	100	2.08	CAD	Omega
August 2, 2019	12:22:58	EDT	500	2.085	CAD	TSX
August 2, 2019	12:22:58	EDT	600	2.09	CAD	TSX
August 2, 2019	12:22:58	EDT	100	2.09	CAD	TSX
August 2, 2019	12:33:31	EDT	2800	2.08	CAD	TSX
August 2, 2019	12:33:31	EDT	2700	2.08	CAD	NEO
August 2, 2019	12:33:31	EDT	700	2.08	CAD	TSX
August 2, 2019	12:33:31	EDT	800	2.08	CAD	NEO
August 2, 2019	12:41:32	EDT	600	2.06	CAD	NEO
August 2, 2019	12:43:46	EDT	100	2.06	CAD	TSX
August 2, 2019	12:45:03	EDT	100	2.06	CAD	TSX
August 2, 2019	12:45:08	EDT	200	2.06	CAD	TSX
August 2, 2019	12:45:08	EDT	100	2.06	CAD	NEO
August 2, 2019	12:45:08	EDT	100	2.06	CAD	NEO
August 2, 2019	12:45:08	EDT	100	2.06	CAD	NEO
August 2, 2019	12:45:08	EDT	600	2.06	CAD	TSX
August 2, 2019	12:45:08	EDT	100	2.06	CAD	NEO
August 2, 2019	12:57:18	EDT	200	2.04	CAD	TSX
August 2, 2019	12:57:18	EDT	400	2.04	CAD	TSX
August 2, 2019	12:57:18	EDT	300	2.04	CAD	TSX
August 2, 2019	12:57:18	EDT	100	2.04	CAD	TSX
August 2, 2019	12:57:47	EDT	600	2.04	CAD	NEO
August 2, 2019	12:57:47	EDT	100	2.04	CAD	NEO

August 2, 2019	12:57:47	EDT	300	2.04	CAD	NEO
August 2, 2019	13:26:24	EDT	600	2.05	CAD	NEO
August 2, 2019	13:29:55	EDT	600	2.05	CAD	NEO
August 2, 2019	13:51:49	EDT	1000	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	100	2.055	CAD	TSX
August 2, 2019	13:51:49	EDT	500	2.055	CAD	TSX
August 2, 2019	13:51:49	EDT	300	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	8100	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	1100	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	600	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	100	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	1100	2.06	CAD	TSX
August 2, 2019	13:51:49	EDT	400	2.06	CAD	TSX
August 2, 2019	13:57:54	EDT	500	2.055	CAD	TSX
August 2, 2019	13:57:54	EDT	600	2.06	CAD	TSX
August 2, 2019	13:57:54	EDT	300	2.06	CAD	TSX
August 2, 2019	13:57:54	EDT	100	2.06	CAD	TSX
August 2, 2019	13:59:56	EDT	500	2.055	CAD	TSX
August 2, 2019	13:59:56	EDT	200	2.06	CAD	TSX
August 2, 2019	13:59:56	EDT	300	2.06	CAD	TSX
August 2, 2019	14:11:14	EDT	300	2.06	CAD	TSX
August 2, 2019	14:11:14	EDT	3800	2.06	CAD	TSX
August 2, 2019	14:11:14	EDT	100	2.06	CAD	TSX
August 2, 2019	14:11:14	EDT	200	2.06	CAD	TSX
August 2, 2019	14:17:38	EDT	1900	2.05	CAD	NEO
August 2, 2019	14:18:39	EDT	300	2.05	CAD	NEO
August 2, 2019	14:40:41	EDT	5200	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	1000	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	300	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	200	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	700	2.06	CAD	Pure
August 2, 2019	14:40:41	EDT	1000	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	300	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	400	2.06	CAD	Pure
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	100	2.06	CAD	TSX
August 2, 2019	14:40:41	EDT	1600	2.06	CAD	TSX
August 2, 2019	14:43:44	EDT	100	2.06	CAD	Chi-X
August 2, 2019	14:43:44	EDT	100	2.06	CAD	Chi-X
August 2, 2019	14:43:44	EDT	600	2.06	CAD	Pure
August 2, 2019	14:43:44	EDT	600	2.06	CAD	Chi-X
August 2, 2019	14:45:03	EDT	200	2.05	CAD	TSX
August 2, 2019	14:45:03	EDT	1600	2.05	CAD	TSX
August 2, 2019	14:45:03	EDT	1300	2.05	CAD	NEO

August 2, 2019	14:45:03	EDT	500	2.05	CAD	NEO
August 2, 2019	14:55:44	EDT	100	2.04	CAD	TSX
August 2, 2019	14:55:44	EDT	1000	2.04	CAD	NEO
August 2, 2019	14:56:22	EDT	1300	2.03	CAD	TSX
August 2, 2019	14:56:22	EDT	300	2.03	CAD	TSX
August 2, 2019	14:56:22	EDT	1200	2.03	CAD	NEO
August 2, 2019	14:56:23	EDT	400	2.03	CAD	NEO
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	200	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	900	2.03	CAD	NEO
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:05:10	EDT	100	2.03	CAD	Omega
August 2, 2019	15:07:11	EDT	500	2.025	CAD	TSX
August 2, 2019	15:07:11	EDT	400	2.03	CAD	TSX
August 2, 2019	15:10:51	EDT	1600	2.02	CAD	NEO
August 2, 2019	15:18:34	EDT	1000	2.04	CAD	TSX
August 2, 2019	15:18:34	EDT	500	2.035	CAD	TSX
August 2, 2019	15:18:34	EDT	300	2.04	CAD	TSX
August 2, 2019	15:18:34	EDT	1000	2.04	CAD	TSX
August 2, 2019	15:18:34	EDT	100	2.04	CAD	TSX
August 2, 2019	15:18:34	EDT	1500	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	1000	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	1000	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	1000	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	100	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	2900	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	900	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	100	2.04	CAD	TSX
August 2, 2019	15:19:18	EDT	25	2.04	CAD	TSX