

Form 604

Corporations Law
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme **QUBE HOLDINGS LIMITED**

ACN/ARSN **149 723 053**

1. Details of substantial holder (1)

Name **PERPETUAL LIMITED and its related bodies corporate**

ACN (if applicable) **000 431 827**

There was a change in the interests of the
Substantial holder on **26 / 03 / 2020**

The previous notice was given to the company on **06 / 03 / 2019**

The previous notice was dated **04 / 03 / 2019**

2. Previous and present voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	118,540,417	7.38%	102,793,750	6.32%

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
	Refer annexure 3				

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
	Refer annexure 1 & 2				

5. Changes in association

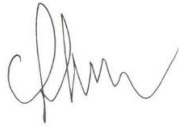
The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN (if applicable)	Nature of association
Perpetual Investment Management Limited	Related bodies corporate of Perpetual Limited
Perpetual Trustee Company Limited	Related bodies corporate of Perpetual Limited

6. Addresses

The addresses of persons named in this form are as follows:

Name	Address
Perpetual Limited	18/123 Pitt Street Sydney, NSW 2000
Perpetual Investment Management Limited	18/123 Pitt Street Sydney, NSW 2000
Perpetual Trustee Company Limited	18/123 Pitt Street Sydney, NSW 2000



Signature

Print name **CHRIS GREEN**

Capacity **COMPANY SECRETARY**

ANNEXURE 1 - Perpetual Investments Account Codes & Details

Perpetual Investment Management Limited (PIML), subsidiary of Perpetual Limited, as Responsible Entity for:

INTERNAL CODE	REGISTRATION DETAILS
17	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
26	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
33	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
118	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
212	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
649	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
650	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
652	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
653	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
651	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
654	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
670	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
695	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
774	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001

855	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2093	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2095	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2124	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2125	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2127	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2128	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2199	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2210	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2219	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2130	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2089	RBC Investor Services Australia Nominees Pty Limited <PICREDIT> GPO Box 5430 Sydney NSW 2001
2086	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
106	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
133	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001

323	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
669	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
139	RBC Investor Services Australia Nominees Pty Ltd <PIQTE2 A/C> GPO Box 5430 Sydney NSW 2001
44	UBS Nominees Pty Ltd Level 16 Chifley Tower 2 Chifley Square Sydney NSW 2000
108	UBS Nominees Pty Ltd Level 16, Chifley Tower 2 Chifley Square Sydney NSW 2000
414	UBS Nominees Pty Ltd Level 16 Chifley Tower 2 Chifley Square Sydney NSW 2000
696	UBS Nominees Pty Ltd Level 16 Chifley Tower 2 Chifley Square Sydney NSW 2000
941	UBS Nominees Pty Ltd Level 16 Chifley Tower 2 Chifley Square Sydney NSW 2000

Perpetual Investment Management Limited (PIML), subsidiary of Perpetual Limited, as Trustee for:

ALL 'SS' CODES	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
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Perpetual Investment Management Limited (PIML), subsidiary of Perpetual Limited, under Investment Management Agreements with:

INTERNAL CODE	REGISTRATION DETAILS
227	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
248	BNP Paribas Noms Pty Ltd P.O. Box R209 Royal Exchange Sydney NSW 1225
702	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
740	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225

786	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
2085	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
2122	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
2131	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
2216	BNP Paribas Nominees Pty Ltd PO Box R209 Royal Exchange NSW 1225
220	Citicorp Nominees Pty Ltd GPO Box 764G Melbourne VIC 3001
221	Citicorp Nominees Pty Ltd GPO Box 764G Melbourne VIC 3001
222	Citicorp Nominees Pty Ltd GPO Box 764G Melbourne VIC 3001
224	Citicorp Nominees Pty Ltd GPO Box 764G Melbourne VIC 3001
2163	Northern Trust Company Melbourne Branch: HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2222	Citicorp Nominees Pty Ltd GPO Box 764G Melbourne VIC 3001
194	Northern Trust Company Melbourne Branch: HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
779	State Street Limited 420 George Street Sydney NSW 2000
2101	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2152	Northern Trust Company Melbourne Branch: HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001

2161	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
2172	State Street Limited 420 George Street Sydney NSW 2000
210	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
215	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
230	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
231	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
392	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
394	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
449	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
773	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
788	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
791	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
2100	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
2166	JPMorgan Nominees Australia Limited Locked Bag 20049 Melbourne VIC 3001
711	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001

787	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001
2083	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001
2097	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001
2160	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001
2220	National Nominees Pty Ltd PO Box 1406 Melbourne VIC 3001
2243	National nominees Pty Ltd PO Box 1406 Melbourne VIC 3001

Perpetual Trustee Company Limited as trustee, custodian or nominee

INTERNAL CODE	REGISTRATION DETAILS
T2	Perpetual Trustee Company Limited GPO Box 4172 Sydney NSW 2001
T3	The Trust Company Limited GPO Box 4270 Sydney NSW 2001
T4	Perpetual Trustee Company Limited GPO Box 4172 Sydney NSW 2001
T6	Perpetual Trustee Company Limited GPO Box 4172 Sydney NSW 2001
T7	Perpetual Trustee Company Limited GPO Box 4172 Sydney NSW 2001

ANNEXURE 2

PRESENT RELEVANT INTERESTS

ASXCode	Internal Code	Holding
QUB	17	6,895,051
QUB	26	8,889,357
QUB	2,216	2,078,179
QUB	2,166	2,726,888
QUB	2,085	1,511,501
QUB	212	4,083,688
QUB	2,163	3,578,863
QUB	2,100	2,092,598
QUB	2,161	184,836
QUB	702	2,736,538
QUB	2,152	6,278,201
QUB	2,127	1,069,119
QUB	651	2,141,004
QUB	670	13,996
QUB	740	3,854,166
QUB	696	3,077,683
QUB	695	5,135,904
QUB	215	19,290,779
QUB	652	9,390,098
QUB	653	3,338,989
QUB	T2	14,426,312
		102,793,750

ANNEXURE 3

IN RELEVANT INTERESTS

Account	Security	Volume	Value	Price	AsAtDate
779	QUB	36,834	101,250	\$ 2.75	5/03/2019
2152	QUB	122,753	337,396	\$ 2.75	5/03/2019
740	QUB	48,407	133,062	\$ 2.75	5/03/2019
2131	QUB	182,791	502,415	\$ 2.75	5/03/2019
2100	QUB	26,851	73,802	\$ 2.75	5/03/2019
702	QUB	36,606	100,623	\$ 2.75	5/03/2019
215	QUB	171,034	470,142	\$ 2.75	5/03/2019
2085	QUB	26,494	72,827	\$ 2.75	5/03/2019
26	QUB	123,586	339,686	\$ 2.75	5/03/2019
449	QUB	70,324	193,308	\$ 2.75	5/03/2019
17	QUB	69,439	190,858	\$ 2.75	5/03/2019
194	QUB	84,881	233,323	\$ 2.75	5/03/2019
2166	QUB	51,264	138,583	\$ 2.70	7/03/2019
650	QUB	129,148	348,831	\$ 2.70	7/03/2019
2161	QUB	64,562	173,885	\$ 2.69	7/03/2019
2124	QUB	8,111	21,908	\$ 2.70	7/03/2019
695	QUB	41,240	111,485	\$ 2.70	7/03/2019
2172	QUB	3,448	9,322	\$ 2.70	7/03/2019
2166	QUB	2,178,736	5,868,009	\$ 2.69	7/03/2019
220	QUB	144,960	391,575	\$ 2.70	7/03/2019
44	QUB	559,985	1,512,530	\$ 2.70	7/03/2019
2097	QUB	689,352	1,856,638	\$ 2.69	7/03/2019
2097	QUB	16,220	43,848	\$ 2.70	7/03/2019
2161	QUB	1,519	4,106	\$ 2.70	7/03/2019
2222	QUB	12,907	34,865	\$ 2.70	7/03/2019
695	QUB	1,752,679	4,720,506	\$ 2.69	7/03/2019
653	QUB	51,826	140,102	\$ 2.70	7/03/2019
2125	QUB	14,523	39,227	\$ 2.70	7/03/2019
653	QUB	2,202,602	5,932,287	\$ 2.69	7/03/2019
649	QUB	688,487	1,859,616	\$ 2.70	7/03/2019
212	QUB	1,465,517	3,947,090	\$ 2.69	7/03/2019
212	QUB	34,483	93,219	\$ 2.70	7/03/2019
2172	QUB	146,552	394,745	\$ 2.69	7/03/2019
650	QUB	2,865	7,716	\$ 2.69	8/03/2019
44	QUB	3,607	9,713	\$ 2.69	8/03/2019
649	QUB	4,390	11,821	\$ 2.69	8/03/2019
649	QUB	16,155	43,510	\$ 2.69	8/03/2019
44	QUB	14,518	39,101	\$ 2.69	8/03/2019
220	QUB	3,554	9,573	\$ 2.69	8/03/2019
194	QUB	- 253,932	695,895	\$ 2.74	18/03/2019
17	QUB	- 2,929	8,082	\$ 2.76	26/03/2019
2097	QUB	- 72,862	202,904	\$ 2.79	27/03/2019
2097	QUB	- 56,269	156,438	\$ 2.78	27/03/2019
695	QUB	- 1,268,257	3,525,725	\$ 2.78	27/03/2019
695	QUB	- 1,642,237	4,573,417	\$ 2.79	27/03/2019
2161	QUB	- 39,003	108,427	\$ 2.78	27/03/2019
2161	QUB	- 50,503	140,644	\$ 2.79	27/03/2019
212	QUB	- 229,285	637,453	\$ 2.78	27/03/2019
653	QUB	- 236,151	657,626	\$ 2.79	27/03/2019
653	QUB	- 182,374	507,032	\$ 2.78	27/03/2019

212	QUB	-	296,895	826,784	\$	2.79	27/03/2019
2161	QUB	-	81,294	229,302	\$	2.83	1/04/2019
695	QUB	-	2,918,706	8,232,667	\$	2.83	1/04/2019
2100	QUB		22,108	61,933	\$	2.80	2/04/2019
194	QUB		41,776	117,031	\$	2.80	2/04/2019
740	QUB		38,848	108,829	\$	2.80	2/04/2019
779	QUB		32,511	91,076	\$	2.80	2/04/2019
2152	QUB		100,100	280,420	\$	2.80	2/04/2019
2131	QUB	-	553,000	1,549,174	\$	2.80	2/04/2019
17	QUB		31,050	86,983	\$	2.80	2/04/2019
702	QUB		15,907	44,562	\$	2.80	2/04/2019
2085	QUB		21,268	59,580	\$	2.80	2/04/2019
215	QUB		184,383	516,531	\$	2.80	2/04/2019
26	QUB		15,800	44,262	\$	2.80	2/04/2019
449	QUB		49,249	137,966	\$	2.80	2/04/2019
649	QUB		331,755	923,165	\$	2.78	4/04/2019
44	QUB		273,870	762,090	\$	2.78	4/04/2019
650	QUB		60,629	168,711	\$	2.78	4/04/2019
2124	QUB		4,263	11,863	\$	2.78	4/04/2019
220	QUB		69,979	194,750	\$	2.78	4/04/2019
2222	QUB		5,922	16,481	\$	2.78	4/04/2019
2125	QUB		7,143	19,877	\$	2.78	4/04/2019
649	QUB		40,570	111,739	\$	2.75	5/04/2019
740	QUB		141,925	392,650	\$	2.77	5/04/2019
779	QUB		114,091	315,644	\$	2.77	5/04/2019
702	QUB		101,551	280,951	\$	2.77	5/04/2019
2085	QUB		77,686	214,926	\$	2.77	5/04/2019
26	QUB		396,265	1,096,307	\$	2.77	5/04/2019
220	QUB		8,555	23,565	\$	2.75	5/04/2019
215	QUB		658,492	1,821,784	\$	2.77	5/04/2019
449	QUB		198,923	550,340	\$	2.77	5/04/2019
2100	QUB		78,728	217,809	\$	2.77	5/04/2019
44	QUB		33,487	92,231	\$	2.75	5/04/2019
2131	QUB		236,461	654,193	\$	2.77	5/04/2019
650	QUB		7,410	20,409	\$	2.75	5/04/2019
2152	QUB	-	2,301,031	6,366,032	\$	2.77	5/04/2019
17	QUB		202,948	561,476	\$	2.77	5/04/2019
194	QUB		93,961	259,953	\$	2.77	5/04/2019
2166	QUB	-	405,555	1,125,669	\$	2.78	9/04/2019
17	QUB	-	44,679	123,735	\$	2.77	9/04/2019
653	QUB	-	3,318,793	-			26/04/2019
653	QUB		3,318,793	-			26/04/2019
653	QUB		500,000	1,413,074	\$	2.82	30/04/2019
212	QUB	-	1,000,000	2,865,587	\$	2.87	2/05/2019
2097	QUB	-	500,000	1,432,894	\$	2.87	3/05/2019
2131	QUB		8,506	23,974	\$	2.82	6/05/2019
26	QUB		17,135	48,295	\$	2.82	6/05/2019
702	QUB		4,229	11,919	\$	2.82	6/05/2019
779	QUB	-	8,379	23,669	\$	2.83	6/05/2019
2152	QUB		9,949	28,041	\$	2.82	6/05/2019
17	QUB		8,381	23,622	\$	2.82	6/05/2019
2100	QUB		3,253	9,169	\$	2.82	6/05/2019
695	QUB		18,164,000	-			6/05/2019
194	QUB		3,974	11,201	\$	2.82	6/05/2019
695	QUB	-	18,164,000	-			6/05/2019
215	QUB		27,215	76,705	\$	2.82	6/05/2019

779	QUB	-	100,000	281,850	\$	2.82	6/05/2019
2085	QUB		3,209	9,045	\$	2.82	6/05/2019
740	QUB		5,863	16,525	\$	2.82	6/05/2019
449	QUB		8,286	23,354	\$	2.82	6/05/2019
779	QUB		11,493	32,061	\$	2.79	8/05/2019
2152	QUB		16,785	46,818	\$	2.79	8/05/2019
653	QUB		150,000	420,646	\$	2.80	8/05/2019
2097	QUB		215,881	622,239	\$	2.88	10/05/2019
653	QUB		284,119	818,923	\$	2.88	10/05/2019
695	QUB	-	998,410	2,867,487	\$	2.88	16/05/2019
2097	QUB		123,235	350,225	\$	2.84	23/05/2019
695	QUB	-	817,133	2,313,010	\$	2.84	24/05/2019
2161	QUB	-	45,416	128,556	\$	2.84	24/05/2019
2161	QUB	-	859	2,449	\$	2.86	27/05/2019
695	QUB	-	27,858	79,412	\$	2.86	27/05/2019
26	QUB		1,530	4,337	\$	2.83	28/05/2019
2152	QUB		956	2,710	\$	2.83	28/05/2019
702	QUB		384	1,089	\$	2.83	28/05/2019
2085	QUB		295	836	\$	2.83	28/05/2019
215	QUB		2,502	7,092	\$	2.83	28/05/2019
17	QUB		696	1,973	\$	2.83	28/05/2019
2131	QUB		769	2,180	\$	2.83	28/05/2019
2100	QUB		299	847	\$	2.83	28/05/2019
779	QUB		418	1,185	\$	2.83	28/05/2019
449	QUB		762	2,160	\$	2.83	28/05/2019
740	QUB		539	1,528	\$	2.83	28/05/2019
194	QUB		346	981	\$	2.83	28/05/2019
2131	QUB		12,281	34,681	\$	2.82	29/05/2019
449	QUB		12,169	34,369	\$	2.82	29/05/2019
740	QUB		8,614	24,328	\$	2.82	29/05/2019
215	QUB		39,957	112,850	\$	2.82	29/05/2019
194	QUB		5,530	15,618	\$	2.82	29/05/2019
17	QUB		11,124	31,414	\$	2.82	29/05/2019
702	QUB		6,135	17,327	\$	2.82	29/05/2019
2152	QUB		15,275	43,136	\$	2.82	29/05/2019
2100	QUB		4,777	13,490	\$	2.82	29/05/2019
26	QUB		24,432	68,995	\$	2.82	29/05/2019
779	QUB		6,675	18,852	\$	2.82	29/05/2019
2085	QUB		4,715	13,317	\$	2.82	29/05/2019
215	QUB		149,889	421,132	\$	2.81	30/05/2019
2100	QUB		17,920	50,343	\$	2.81	30/05/2019
449	QUB		45,644	128,243	\$	2.81	30/05/2019
740	QUB		32,316	90,796	\$	2.81	30/05/2019
2131	QUB		46,068	129,419	\$	2.81	30/05/2019
26	QUB		91,583	257,285	\$	2.81	30/05/2019
702	QUB		23,014	64,661	\$	2.81	30/05/2019
2152	QUB		57,301	160,976	\$	2.81	30/05/2019
2085	QUB		17,690	49,702	\$	2.81	30/05/2019
194	QUB		20,738	58,266	\$	2.81	30/05/2019
2097	QUB		14,630	40,880	\$	2.79	5/06/2019
653	QUB		85,370	238,549	\$	2.79	5/06/2019
2152	QUB		20,188	58,025	\$	2.87	11/06/2019
17	QUB		14,699	42,248	\$	2.87	11/06/2019
702	QUB		8,108	23,307	\$	2.87	11/06/2019
2100	QUB		6,309	18,133	\$	2.87	11/06/2019
779	QUB		8,821	25,356	\$	2.87	11/06/2019

26	QUB	32,243	92,673	\$	2.87	11/06/2019
740	QUB	11,378	32,707	\$	2.87	11/06/2019
2085	QUB	6,228	17,903	\$	2.87	11/06/2019
449	QUB	16,066	46,182	\$	2.87	11/06/2019
2131	QUB	16,219	46,617	\$	2.87	11/06/2019
215	QUB	52,806	151,793	\$	2.87	11/06/2019
194	QUB	7,311	21,016	\$	2.87	11/06/2019
2166	QUB	- 351,788	1,025,893	\$	2.92	12/06/2019
695	QUB	- 490,000	1,439,132	\$	2.94	14/06/2019
2161	QUB	- 10,000	29,370	\$	2.94	14/06/2019
779	QUB	10,683	31,884	\$	2.98	17/06/2019
2097	QUB	- 1,876,157	5,590,948	\$	2.98	17/06/2019
2100	QUB	7,640	22,800	\$	2.98	17/06/2019
2085	QUB	7,542	22,510	\$	2.98	17/06/2019
2152	QUB	24,448	72,959	\$	2.98	17/06/2019
702	QUB	9,820	29,308	\$	2.98	17/06/2019
194	QUB	8,853	26,422	\$	2.98	17/06/2019
17	QUB	17,800	53,119	\$	2.98	17/06/2019
2131	QUB	19,649	58,637	\$	2.98	17/06/2019
449	QUB	19,458	58,074	\$	2.98	17/06/2019
740	QUB	13,777	41,118	\$	2.98	17/06/2019
215	QUB	63,952	190,869	\$	2.98	17/06/2019
26	QUB	38,988	116,349	\$	2.98	17/06/2019
695	QUB	- 146,949	446,772	\$	3.05	18/06/2019
695	QUB	- 106,842	325,439	\$	3.05	18/06/2019
2161	QUB	- 3,051	9,276	\$	3.05	18/06/2019
2161	QUB	- 5,085	15,460	\$	3.05	18/06/2019
695	QUB	- 244,915	744,620	\$	3.05	18/06/2019
2161	QUB	- 2,219	6,759	\$	3.05	18/06/2019
2166	QUB	- 32,574	100,987	\$	3.11	20/06/2019
2172	QUB	- 19,220	59,676	\$	3.11	20/06/2019
2172	QUB	- 4,241	13,170	\$	3.11	20/06/2019
2166	QUB	- 57,586	178,844	\$	3.11	20/06/2019
2161	QUB	- 2,086	6,467	\$	3.11	20/06/2019
2161	QUB	- 3,687	11,451	\$	3.11	20/06/2019
2161	QUB	- 16,710	51,888	\$	3.11	20/06/2019
2166	QUB	- 260,979	810,397	\$	3.11	20/06/2019
695	QUB	- 73,906	229,125	\$	3.11	20/06/2019
695	QUB	- 592,126	1,838,681	\$	3.11	20/06/2019
695	QUB	- 130,656	405,776	\$	3.11	20/06/2019
2172	QUB	- 2,399	7,437	\$	3.11	20/06/2019
2161	QUB	- 23,698	73,587	\$	3.11	21/06/2019
2166	QUB	- 185,680	576,577	\$	3.11	21/06/2019
695	QUB	- 729,846	2,266,331	\$	3.11	21/06/2019
2172	QUB	- 60,776	188,701	\$	3.11	21/06/2019
212	QUB	- 2,900,000	8,845,879	\$	3.06	25/06/2019
2161	QUB	- 23,728	72,275	\$	3.05	25/06/2019
2166	QUB	- 185,970	566,463	\$	3.05	25/06/2019
2172	QUB	- 60,812	185,212	\$	3.05	25/06/2019
695	QUB	- 729,490	2,222,018	\$	3.05	25/06/2019
695	QUB	- 1,343,430	4,071,041	\$	3.04	26/06/2019
2161	QUB	- 44,157	133,810	\$	3.04	26/06/2019
2172	QUB	- 112,413	340,611	\$	3.04	26/06/2019
2166	QUB	- 100,000	303,033	\$	3.04	26/06/2019
44	QUB	31,778	96,824	\$	3.04	28/06/2019
2172	QUB	- 14,569	44,505	\$	3.06	1/07/2019

695	QUB	-	172,981	528,479	\$	3.06	1/07/2019
2161	QUB	-	5,700	17,414	\$	3.06	1/07/2019
2166	QUB	-	41,169	125,776	\$	3.06	1/07/2019
2166	QUB	-	925,113	2,802,280	\$	3.03	2/07/2019
17	QUB	-	84,365	256,417	\$	3.04	2/07/2019
26	QUB	-	323,868	987,540	\$	3.05	9/07/2019
17	QUB		161,431	495,547	\$	3.07	11/07/2019
2172	QUB	-	958,879	2,972,525	\$	3.10	18/07/2019
695	QUB	-	40,097	124,710	\$	3.12	18/07/2019
449	QUB	-	4,549,604	14,149,268	\$	3.11	19/07/2019
2166	QUB	-	111,596	352,085	\$	3.16	26/07/2019
651	QUB		166,311	524,711	\$	3.16	26/07/2019
652	QUB		739,572	2,333,350	\$	3.16	26/07/2019
2163	QUB		278,267	877,932	\$	3.16	26/07/2019
696	QUB		525,233	1,664,655	\$	3.16	26/07/2019
651	QUB		133,930	424,473	\$	3.16	26/07/2019
2219	QUB		5,618	17,836	\$	3.17	26/07/2019
2216	QUB		131,743	417,589	\$	3.16	26/07/2019
2163	QUB		224,089	710,300	\$	3.16	26/07/2019
695	QUB	-	1,826,890	5,763,838	\$	3.16	26/07/2019
652	QUB		595,578	1,887,604	\$	3.16	26/07/2019
696	QUB		652,255	2,057,865	\$	3.16	26/07/2019
2161	QUB	-	61,514	194,077	\$	3.16	26/07/2019
2216	QUB		163,595	516,142	\$	3.16	26/07/2019
670	QUB		8,526	27,069	\$	3.17	29/07/2019
220	QUB		14,824	47,292	\$	3.19	31/07/2019
649	QUB		61,973	197,687	\$	3.19	31/07/2019
44	QUB		64,989	207,308	\$	3.19	31/07/2019
2125	QUB		245	782	\$	3.19	31/07/2019
650	QUB		13,808	44,046	\$	3.19	31/07/2019
2222	QUB		1,569	5,006	\$	3.19	31/07/2019
2161	QUB		13,440	42,665	\$	3.17	1/08/2019
17	QUB	-	131,354	417,620	\$	3.18	1/08/2019
652	QUB		174,568	527,178	\$	3.02	6/08/2019
2127	QUB		37,242	112,467	\$	3.02	6/08/2019
652	QUB		286,704	865,817	\$	3.02	6/08/2019
651	QUB		39,345	118,818	\$	3.02	6/08/2019
651	QUB		64,528	194,868	\$	3.02	6/08/2019
696	QUB		154,893	467,761	\$	3.02	6/08/2019
2163	QUB		107,554	324,839	\$	3.02	6/08/2019
2163	QUB		65,656	198,297	\$	3.02	6/08/2019
2216	QUB		38,775	117,110	\$	3.02	6/08/2019
2216	QUB		63,505	191,800	\$	3.02	6/08/2019
652	QUB		64,536	194,875	\$	3.02	7/08/2019
2163	QUB		24,212	73,120	\$	3.02	7/08/2019
651	QUB		14,529	43,872	\$	3.02	7/08/2019
2127	QUB		8,405	25,380	\$	3.02	7/08/2019
2216	QUB		14,303	43,195	\$	3.02	7/08/2019
651	QUB		17,179	51,803	\$	3.01	8/08/2019
2163	QUB		28,623	86,322	\$	3.01	8/08/2019
652	QUB		76,229	229,867	\$	3.01	8/08/2019
2127	QUB		9,942	29,980	\$	3.01	8/08/2019
2216	QUB		16,784	50,617	\$	3.01	8/08/2019
652	QUB		195,984	604,453	\$	3.08	13/08/2019
651	QUB		44,129	136,102	\$	3.08	13/08/2019
2216	QUB		43,238	133,369	\$	3.08	13/08/2019

2163	QUB		73,732	227,429	\$	3.08	13/08/2019
695	QUB	-	470,988	1,450,643	\$	3.08	13/08/2019
2127	QUB		25,653	79,119	\$	3.08	13/08/2019
2127	QUB		46,933	144,248	\$	3.07	14/08/2019
2163	QUB		134,689	414,012	\$	3.07	14/08/2019
652	QUB		334,409	1,027,803	\$	3.07	14/08/2019
2216	QUB		73,851	227,006	\$	3.07	14/08/2019
651	QUB		80,679	247,966	\$	3.07	14/08/2019
652	QUB		511,942	1,552,638	\$	3.03	15/08/2019
2163	QUB		192,423	583,675	\$	3.03	15/08/2019
2216	QUB		113,149	343,210	\$	3.03	15/08/2019
2127	QUB		67,200	203,807	\$	3.03	15/08/2019
651	QUB		115,286	349,644	\$	3.03	15/08/2019
2124	QUB	-	4,145	12,450	\$	3.00	16/08/2019
652	QUB		205,228	616,928	\$	3.00	16/08/2019
2130	QUB		335,401	1,008,237	\$	3.00	16/08/2019
651	QUB		17,446	52,568	\$	3.01	16/08/2019
649	QUB	-	337,596	1,013,970	\$	3.00	16/08/2019
2125	QUB	-	7,302	21,932	\$	3.00	16/08/2019
220	QUB	-	72,852	218,811	\$	3.00	16/08/2019
650	QUB	-	62,476	187,647	\$	3.00	16/08/2019
2216	QUB		18,035	54,348	\$	3.01	16/08/2019
2163	QUB		29,126	87,771	\$	3.01	16/08/2019
2130	QUB		126,630	381,557	\$	3.01	16/08/2019
2163	QUB		77,146	231,932	\$	3.00	16/08/2019
2130	QUB		789,590	2,371,534	\$	3.00	16/08/2019
2222	QUB	-	6,545	19,658	\$	3.00	16/08/2019
2127	QUB		10,185	30,689	\$	3.01	16/08/2019
2127	QUB		26,975	81,089	\$	3.00	16/08/2019
652	QUB		77,484	233,472	\$	3.01	16/08/2019
653	QUB		500,000	1,512,322	\$	3.02	16/08/2019
44	QUB	-	298,674	897,067	\$	3.00	16/08/2019
651	QUB		46,208	138,904	\$	3.00	16/08/2019
2216	QUB		47,768	143,610	\$	3.00	16/08/2019
2163	QUB		67,607	205,788	\$	3.04	20/08/2019
652	QUB		180,011	547,883	\$	3.04	20/08/2019
2127	QUB		23,574	71,750	\$	3.04	20/08/2019
2216	QUB		39,530	120,325	\$	3.04	20/08/2019
651	QUB		40,502	123,272	\$	3.04	20/08/2019
651	QUB		99,516	302,891	\$	3.04	21/08/2019
2163	QUB		167,685	510,435	\$	3.04	21/08/2019
2163	QUB		166,196	505,886	\$	3.04	21/08/2019
2127	QUB		58,611	178,397	\$	3.04	21/08/2019
2127	QUB		58,073	176,753	\$	3.04	21/08/2019
652	QUB		446,340	1,358,543	\$	3.04	21/08/2019
652	QUB		482,599	1,468,857	\$	3.04	21/08/2019
2216	QUB		97,226	295,947	\$	3.04	21/08/2019
2216	QUB		98,094	298,599	\$	3.04	21/08/2019
651	QUB		100,407	305,613	\$	3.04	21/08/2019
215	QUB		343,401	1,082,331	\$	3.15	22/08/2019
653	QUB		236,000	735,619	\$	3.11	22/08/2019
740	QUB		73,267	230,923	\$	3.15	22/08/2019
2085	QUB		40,089	126,353	\$	3.15	22/08/2019
653	QUB		164,000	515,873	\$	3.14	22/08/2019
696	QUB		200,000	629,113	\$	3.14	22/08/2019
696	QUB		354,330	1,123,472	\$	3.17	22/08/2019

2130	QUB	200,715	636,406	\$	3.17	22/08/2019
2100	QUB	38,603	121,669	\$	3.15	22/08/2019
702	QUB	19,854	62,576	\$	3.15	22/08/2019
17	QUB	- 580,694	1,830,231	\$	3.15	22/08/2019
2130	QUB	67,779	211,052	\$	3.11	22/08/2019
2152	QUB	33,928	106,934	\$	3.15	22/08/2019
779	QUB	18,082	56,991	\$	3.15	22/08/2019
2131	QUB	13,470	42,455	\$	3.15	22/08/2019
17	QUB	- 455,072	1,432,091	\$	3.15	22/08/2019
2130	QUB	150,000	471,835	\$	3.14	22/08/2019
2161	QUB	- 30,146	98,102	\$	3.26	10/09/2019
695	QUB	- 514,127	1,673,079	\$	3.26	10/09/2019
2161	QUB	- 2,482	8,044	\$	3.25	11/09/2019
695	QUB	- 72,759	235,813	\$	3.25	11/09/2019
695	QUB	- 534,709	1,754,459	\$	3.29	12/09/2019
2161	QUB	- 18,259	59,910	\$	3.29	12/09/2019
653	QUB	500,000	1,596,962	\$	3.19	19/09/2019
740	QUB	23,506	74,132	\$	3.15	24/09/2019
2100	QUB	12,956	40,856	\$	3.15	24/09/2019
779	QUB	18,277	57,641	\$	3.15	24/09/2019
2152	QUB	41,032	129,393	\$	3.15	24/09/2019
702	QUB	16,793	52,961	\$	3.15	24/09/2019
215	QUB	108,730	342,907	\$	3.15	24/09/2019
2085	QUB	12,816	40,418	\$	3.15	24/09/2019
652	QUB	1,298	4,117	\$	3.17	25/09/2019
2127	QUB	182	577	\$	3.17	25/09/2019
2130	QUB	46,817	148,949	\$	3.18	25/09/2019
696	QUB	17,846	56,777	\$	3.18	25/09/2019
2131	QUB	- 4,682,198	14,842,568	\$	3.17	25/09/2019
651	QUB	18,691	59,094	\$	3.16	25/09/2019
651	QUB	291	923	\$	3.17	25/09/2019
2130	QUB	128,433	408,555	\$	3.18	25/09/2019
652	QUB	83,291	263,334	\$	3.16	25/09/2019
2163	QUB	5,072	16,139	\$	3.18	25/09/2019
2127	QUB	11,668	36,890	\$	3.16	25/09/2019
779	QUB	- 2,508,340	7,951,438	\$	3.17	25/09/2019
2216	QUB	18,245	57,686	\$	3.16	25/09/2019
696	QUB	864,189	2,749,053	\$	3.18	25/09/2019
2216	QUB	284	901	\$	3.17	25/09/2019
2163	QUB	245,590	781,270	\$	3.18	25/09/2019
696	QUB	1,810	5,740	\$	3.17	25/09/2019
2163	QUB	514	1,630	\$	3.17	25/09/2019
651	QUB	139,065	442,377	\$	3.18	25/09/2019
2130	QUB	4,750	15,065	\$	3.17	25/09/2019
696	QUB	116,155	367,238	\$	3.16	25/09/2019
2127	QUB	86,806	276,137	\$	3.18	25/09/2019
2127	QUB	1,793	5,704	\$	3.18	25/09/2019
2163	QUB	33,010	104,369	\$	3.16	25/09/2019
652	QUB	619,681	1,971,254	\$	3.18	25/09/2019
652	QUB	12,797	40,714	\$	3.18	25/09/2019
2216	QUB	2,803	8,919	\$	3.18	25/09/2019
2216	QUB	135,743	431,825	\$	3.18	25/09/2019
651	QUB	2,872	9,137	\$	3.18	25/09/2019
2127	QUB	23,586	74,711	\$	3.16	26/09/2019
740	QUB	195,152	617,354	\$	3.16	26/09/2019
652	QUB	168,838	534,810	\$	3.16	26/09/2019

651	QUB	39,921	126,453	\$	3.16	26/09/2019
2152	QUB	332,568	1,052,063	\$	3.16	26/09/2019
194	QUB	- 1,895,800	5,997,272	\$	3.16	26/09/2019
2085	QUB	106,681	337,480	\$	3.16	26/09/2019
26	QUB	109,336	345,879	\$	3.16	26/09/2019
2216	QUB	38,988	123,509	\$	3.16	26/09/2019
2163	QUB	63,439	200,967	\$	3.16	26/09/2019
702	QUB	139,184	440,302	\$	3.16	26/09/2019
2100	QUB	107,944	341,476	\$	3.16	26/09/2019
215	QUB	904,935	2,862,718	\$	3.16	26/09/2019
941	QUB	1,351,283	4,323,705	\$	3.20	30/09/2019
194	QUB	- 284,000	920,160	\$	3.24	1/10/2019
2130	QUB	53,196	169,759	\$	3.19	2/10/2019
2127	QUB	11,276	35,562	\$	3.15	3/10/2019
2163	QUB	217,878	690,521	\$	3.17	3/10/2019
652	QUB	578,124	1,832,085	\$	3.17	3/10/2019
652	QUB	75,029	236,625	\$	3.15	3/10/2019
651	QUB	17,900	56,453	\$	3.15	3/10/2019
2127	QUB	38,927	123,745	\$	3.18	3/10/2019
651	QUB	137,922	437,077	\$	3.17	3/10/2019
2216	QUB	63,867	203,045	\$	3.18	3/10/2019
2216	QUB	17,526	55,278	\$	3.15	3/10/2019
2163	QUB	109,103	346,859	\$	3.18	3/10/2019
2163	QUB	28,276	89,184	\$	3.15	3/10/2019
2127	QUB	86,882	275,331	\$	3.17	3/10/2019
651	QUB	65,228	207,354	\$	3.18	3/10/2019
652	QUB	289,497	920,284	\$	3.18	3/10/2019
2216	QUB	135,044	427,995	\$	3.17	3/10/2019
2130	QUB	208,715	664,342	\$	3.18	4/10/2019
2130	QUB	172,000	563,132	\$	3.27	9/10/2019
653	QUB	- 350,000	1,136,826	\$	3.25	9/10/2019
653	QUB	- 500,000	1,623,561	\$	3.25	10/10/2019
653	QUB	- 750,000	2,482,922	\$	3.32	14/10/2019
695	QUB	- 348,411	1,168,861	\$	3.36	15/10/2019
2161	QUB	- 12,012	40,294	\$	3.36	15/10/2019
215	QUB	410,312	1,368,593	\$	3.33	16/10/2019
26	QUB	59,423	197,527	\$	3.32	16/10/2019
702	QUB	29,034	96,522	\$	3.32	16/10/2019
2100	QUB	22,312	74,167	\$	3.32	16/10/2019
740	QUB	88,394	294,838	\$	3.33	16/10/2019
17	QUB	42,564	141,486	\$	3.32	16/10/2019
2085	QUB	22,059	73,334	\$	3.32	16/10/2019
740	QUB	40,518	134,700	\$	3.32	16/10/2019
17	QUB	99,787	332,802	\$	3.33	16/10/2019
2100	QUB	48,977	163,344	\$	3.33	16/10/2019
702	QUB	62,881	209,739	\$	3.33	16/10/2019
2130	QUB	338,000	1,125,273	\$	3.32	16/10/2019
26	QUB	228,882	763,349	\$	3.33	16/10/2019
215	QUB	187,230	622,438	\$	3.32	16/10/2019
2152	QUB	148,297	494,588	\$	3.33	16/10/2019
2152	QUB	67,196	223,365	\$	3.32	16/10/2019
2085	QUB	48,376	161,358	\$	3.33	16/10/2019
2100	QUB	3,002	9,862	\$	3.28	17/10/2019
215	QUB	25,148	82,622	\$	3.28	17/10/2019
740	QUB	5,418	17,800	\$	3.28	17/10/2019
2085	QUB	2,965	9,741	\$	3.28	17/10/2019

2152	QUB	9,090	29,861	\$	3.28	17/10/2019
26	QUB	14,031	46,092	\$	3.28	17/10/2019
702	QUB	3,854	12,662	\$	3.28	17/10/2019
17	QUB	6,115	20,088	\$	3.28	17/10/2019
652	QUB	26,088	82,983	\$	3.18	18/10/2019
2163	QUB	9,746	30,998	\$	3.18	18/10/2019
2216	QUB	5,702	18,136	\$	3.18	18/10/2019
652	QUB	13,764	43,782	\$	3.18	18/10/2019
696	QUB	17,201	54,715	\$	3.18	18/10/2019
2163	QUB	5,178	16,472	\$	3.18	18/10/2019
651	QUB	3,096	9,848	\$	3.18	18/10/2019
2127	QUB	3,398	10,811	\$	3.18	18/10/2019
2216	QUB	3,046	9,689	\$	3.18	18/10/2019
651	QUB	5,838	18,572	\$	3.18	18/10/2019
2219	QUB	- 5,618	18,289	\$	3.26	23/10/2019
702	QUB	14,103	45,910	\$	3.25	30/10/2019
651	QUB	17,407	56,660	\$	3.25	30/10/2019
651	QUB	33,987	110,117	\$	3.24	30/10/2019
652	QUB	57,146	185,984	\$	3.25	30/10/2019
26	QUB	51,040	166,135	\$	3.25	30/10/2019
2163	QUB	29,218	95,115	\$	3.25	30/10/2019
2163	QUB	12,456	40,543	\$	3.25	30/10/2019
2163	QUB	60,970	197,563	\$	3.24	30/10/2019
215	QUB	40,159	130,732	\$	3.25	30/10/2019
651	QUB	12,951	42,150	\$	3.25	30/10/2019
740	QUB	10,097	32,865	\$	3.25	30/10/2019
2100	QUB	4,784	15,572	\$	3.25	30/10/2019
740	QUB	8,705	28,338	\$	3.25	30/10/2019
740	QUB	19,831	64,557	\$	3.25	30/10/2019
651	QUB	6,944	22,600	\$	3.25	30/10/2019
2152	QUB	16,811	54,712	\$	3.25	30/10/2019
2163	QUB	29,165	94,943	\$	3.25	30/10/2019
2163	QUB	40,646	132,114	\$	3.25	30/10/2019
2216	QUB	6,786	22,088	\$	3.25	30/10/2019
696	QUB	65,170	212,128	\$	3.25	30/10/2019
2216	QUB	17,043	55,481	\$	3.25	30/10/2019
2152	QUB	14,493	47,175	\$	3.25	30/10/2019
696	QUB	48,491	157,816	\$	3.25	30/10/2019
2100	QUB	10,987	35,763	\$	3.25	30/10/2019
2085	QUB	5,482	17,843	\$	3.25	30/10/2019
2100	QUB	5,549	18,059	\$	3.25	30/10/2019
702	QUB	7,106	23,129	\$	3.25	30/10/2019
702	QUB	6,127	19,946	\$	3.25	30/10/2019
215	QUB	46,583	151,623	\$	3.25	30/10/2019
215	QUB	92,046	299,643	\$	3.25	30/10/2019
652	QUB	76,804	249,997	\$	3.25	30/10/2019
2163	QUB	21,700	70,631	\$	3.25	30/10/2019
26	QUB	13,443	43,751	\$	3.25	30/10/2019
2127	QUB	4,459	14,512	\$	3.25	30/10/2019
17	QUB	9,416	30,649	\$	3.25	30/10/2019
2152	QUB	32,335	105,250	\$	3.25	30/10/2019
17	QUB	10,922	35,546	\$	3.25	30/10/2019
26	QUB	11,590	37,725	\$	3.25	30/10/2019
2127	QUB	14,552	47,294	\$	3.25	30/10/2019
651	QUB	22,658	73,638	\$	3.25	30/10/2019
2127	QUB	21,827	70,719	\$	3.24	30/10/2019

2216	QUB		17,055	55,520	\$	3.25	30/10/2019
653	QUB	-	500,000	1,620,954	\$	3.25	30/10/2019
2085	QUB		4,726	15,385	\$	3.25	30/10/2019
2085	QUB		10,852	35,327	\$	3.25	30/10/2019
2216	QUB		33,216	107,631	\$	3.24	30/10/2019
652	QUB		77,109	250,990	\$	3.25	30/10/2019
2216	QUB		12,681	41,275	\$	3.25	30/10/2019
2216	QUB		22,144	71,976	\$	3.25	30/10/2019
651	QUB		17,451	56,803	\$	3.25	30/10/2019
17	QUB		22,384	72,860	\$	3.25	30/10/2019
651	QUB		16,037	52,117	\$	3.24	31/10/2019
696	QUB		60,110	195,346	\$	3.24	31/10/2019
2100	QUB		9,361	30,421	\$	3.24	31/10/2019
2163	QUB		26,859	87,296	\$	3.24	31/10/2019
740	QUB		16,980	55,188	\$	3.24	31/10/2019
2085	QUB		9,248	30,058	\$	3.24	31/10/2019
702	QUB		11,989	38,966	\$	3.24	31/10/2019
26	QUB		26,727	86,858	\$	3.24	31/10/2019
17	QUB		18,640	60,576	\$	3.24	31/10/2019
215	QUB		78,545	255,285	\$	3.24	31/10/2019
652	QUB		70,748	229,917	\$	3.24	31/10/2019
2216	QUB		15,708	51,054	\$	3.24	31/10/2019
941	QUB		17,971	58,402	\$	3.24	31/10/2019
653	QUB	-	500,000	1,621,992	\$	3.25	1/11/2019
653	QUB	-	232,260	765,280	\$	3.30	4/11/2019
653	QUB	-	1,000,000	3,235,962	\$	3.24	6/11/2019
2130	QUB		230,000	752,043	\$	3.26	6/11/2019
2100	QUB		21,752	70,367	\$	3.23	6/11/2019
702	QUB		27,956	90,447	\$	3.23	6/11/2019
17	QUB		43,960	142,209	\$	3.23	6/11/2019
740	QUB		39,523	127,870	\$	3.23	6/11/2019
215	QUB		177,125	573,058	\$	3.23	6/11/2019
26	QUB		65,558	212,078	\$	3.23	6/11/2019
2085	QUB		21,511	69,595	\$	3.23	6/11/2019
2152	QUB		4,842	15,664	\$	3.23	6/11/2019
740	QUB		27,132	87,260	\$	3.21	7/11/2019
2100	QUB		14,990	48,204	\$	3.21	7/11/2019
17	QUB		30,411	97,795	\$	3.21	7/11/2019
702	QUB		19,293	62,049	\$	3.21	7/11/2019
2152	QUB		17,426	56,038	\$	3.21	7/11/2019
2085	QUB		14,818	47,657	\$	3.21	7/11/2019
26	QUB		52,855	169,968	\$	3.21	7/11/2019
215	QUB		123,226	396,307	\$	3.21	7/11/2019
215	QUB		1,357,295	4,397,636	\$	3.24	11/11/2019
670	QUB		5,470	18,627	\$	3.40	15/11/2019
653	QUB	-	500,000	1,663,588	\$	3.33	18/11/2019
653	QUB	-	500,000	1,642,959	\$	3.29	19/11/2019
653	QUB	-	500,000	1,628,011	\$	3.26	22/11/2019
212	QUB	-	320,000	1,054,378	\$	3.30	26/11/2019
17	QUB	-	131,893	433,839	\$	3.29	26/11/2019
17	QUB	-	185,283	611,226	\$	3.30	27/11/2019
653	QUB	-	500,000	1,667,234	\$	3.34	28/11/2019
653	QUB	-	1,051,116	3,531,750	\$	3.36	2/12/2019
652	QUB		737,014	2,413,831	\$	3.27	3/12/2019
2163	QUB		182,059	596,337	\$	3.27	3/12/2019
2127	QUB		75,200	246,291	\$	3.27	3/12/2019

2216	QUB	97,361	318,908	\$	3.27	3/12/2019
651	QUB	108,746	356,159	\$	3.27	3/12/2019
652	QUB	447,841	1,432,376	\$	3.19	4/12/2019
2163	QUB	155,965	498,895	\$	3.19	4/12/2019
651	QUB	93,105	297,787	\$	3.19	4/12/2019
2127	QUB	60,884	194,732	\$	3.19	4/12/2019
2216	QUB	90,378	289,098	\$	3.19	4/12/2019
649	QUB	- 19,507	64,958	\$	3.33	18/12/2019
2243	QUB	19,507	64,958	\$	3.33	18/12/2019
215	QUB	495,016	1,628,849	\$	3.29	31/12/2019
740	QUB	90,689	298,412	\$	3.29	31/12/2019
702	QUB	61,010	200,753	\$	3.29	31/12/2019
2100	QUB	49,327	162,292	\$	3.29	31/12/2019
26	QUB	58,107	191,180	\$	3.29	31/12/2019
2152	QUB	87,223	286,975	\$	3.29	31/12/2019
17	QUB	109,106	358,973	\$	3.29	31/12/2019
2085	QUB	49,522	162,952	\$	3.29	31/12/2019
2161	QUB	17,000	60,226	\$	3.54	13/01/2020
941	QUB	- 1,369,254	4,880,721	\$	3.57	17/01/2020
17	QUB	- 116,848	419,329	\$	3.59	22/01/2020
17	QUB	- 74,918	267,777	\$	3.58	22/01/2020
702	QUB	- 711	2,523	\$	3.56	29/01/2020
740	QUB	- 1,001	3,553	\$	3.56	29/01/2020
2161	QUB	- 91	323	\$	3.56	29/01/2020
695	QUB	- 2,509	8,906	\$	3.56	29/01/2020
2100	QUB	- 554	1,966	\$	3.56	29/01/2020
26	QUB	- 2,989	10,610	\$	3.56	29/01/2020
2152	QUB	- 1,632	5,793	\$	3.56	29/01/2020
17	QUB	- 1,053	3,738	\$	3.56	29/01/2020
215	QUB	- 5,013	17,792	\$	3.56	29/01/2020
2085	QUB	- 548	1,945	\$	3.56	29/01/2020
26	QUB	- 427,142	1,473,640	\$	3.45	6/02/2020
651	QUB	145,232	501,050	\$	3.45	6/02/2020
702	QUB	- 54,157	186,842	\$	3.45	6/02/2020
2127	QUB	123,535	426,196	\$	3.45	6/02/2020
740	QUB	- 71,624	247,103	\$	3.45	6/02/2020
2085	QUB	- 39,429	136,030	\$	3.45	6/02/2020
17	QUB	- 76,423	263,659	\$	3.45	6/02/2020
2100	QUB	- 39,962	137,869	\$	3.45	6/02/2020
2163	QUB	229,286	791,037	\$	3.45	6/02/2020
215	QUB	- 361,320	1,246,554	\$	3.45	6/02/2020
652	QUB	564,849	1,948,729	\$	3.45	6/02/2020
2152	QUB	- 116,973	403,557	\$	3.45	6/02/2020
2216	QUB	124,128	428,242	\$	3.45	6/02/2020
17	QUB	- 31,437	110,166	\$	3.51	14/02/2020
26	QUB	- 73,156	256,363	\$	3.51	14/02/2020
740	QUB	- 29,862	104,631	\$	3.51	14/02/2020
2085	QUB	- 16,339	57,249	\$	3.51	14/02/2020
2085	QUB	- 579,077	2,032,560	\$	3.51	14/02/2020
215	QUB	- 149,604	524,183	\$	3.51	14/02/2020
702	QUB	- 21,179	74,207	\$	3.51	14/02/2020
2100	QUB	- 16,535	57,944	\$	3.51	14/02/2020
2152	QUB	- 48,681	170,594	\$	3.51	14/02/2020
17	QUB	- 162,334	555,730	\$	3.43	17/02/2020
2152	QUB	- 252,126	863,122	\$	3.43	17/02/2020
702	QUB	- 110,030	376,617	\$	3.43	17/02/2020

2085	QUB	-	84,615	289,625	\$	3.43	17/02/2020
2100	QUB	-	85,668	293,274	\$	3.43	17/02/2020
215	QUB	-	775,063	2,652,931	\$	3.43	17/02/2020
26	QUB	-	406,753	1,392,468	\$	3.43	17/02/2020
740	QUB	-	154,731	529,622	\$	3.43	17/02/2020
17	QUB	-	40,315	138,068	\$	3.43	20/02/2020
26	QUB	-	107,042	366,590	\$	3.43	20/02/2020
740	QUB	-	38,424	131,577	\$	3.43	20/02/2020
2100	QUB	-	21,466	73,515	\$	3.43	20/02/2020
702	QUB	-	27,378	93,752	\$	3.43	20/02/2020
215	QUB	-	192,449	659,011	\$	3.43	20/02/2020
2152	QUB	-	62,615	214,439	\$	3.43	20/02/2020
2085	QUB	-	10,311	35,308	\$	3.43	20/02/2020
651	QUB		42,054	129,230	\$	3.07	25/02/2020
652	QUB		184,050	565,576	\$	3.07	25/02/2020
2127	QUB		22,658	69,627	\$	3.07	25/02/2020
2163	QUB		70,316	216,102	\$	3.07	25/02/2020
2216	QUB		41,278	126,859	\$	3.07	25/02/2020
695	QUB	-	194,636	601,472	\$	3.10	26/02/2020
212	QUB	-	52,430	162,021	\$	3.10	26/02/2020
652	QUB		436,188	1,345,365	\$	3.08	26/02/2020
215	QUB	-	367,291	1,134,890	\$	3.10	26/02/2020
2166	QUB	-	59,987	185,374	\$	3.10	26/02/2020
2100	QUB	-	40,575	125,387	\$	3.10	26/02/2020
651	QUB		99,657	307,379	\$	3.08	26/02/2020
2163	QUB		175,347	540,896	\$	3.08	26/02/2020
2085	QUB	-	23,824	73,614	\$	3.10	26/02/2020
702	QUB	-	52,001	160,678	\$	3.10	26/02/2020
653	QUB		204,492	624,578	\$	3.05	26/02/2020
740	QUB	-	73,312	226,526	\$	3.10	26/02/2020
2127	QUB		44,573	137,480	\$	3.08	26/02/2020
941	QUB		603,991	1,843,900	\$	3.05	26/02/2020
2161	QUB	-	6,340	19,592	\$	3.10	26/02/2020
17	QUB	-	76,573	236,629	\$	3.10	26/02/2020
2152	QUB	-	119,500	369,284	\$	3.10	26/02/2020
26	QUB	-	221,794	685,397	\$	3.10	26/02/2020
2216	QUB		101,137	311,979	\$	3.08	26/02/2020
215	QUB		433,010	1,301,160	\$	3.00	27/02/2020
2100	QUB		47,655	143,183	\$	3.00	27/02/2020
653	QUB		118,260	355,322	\$	3.00	27/02/2020
17	QUB		90,828	272,900	\$	3.00	27/02/2020
702	QUB		61,420	184,562	\$	3.00	27/02/2020
740	QUB		86,410	259,655	\$	3.00	27/02/2020
941	QUB		110,260	331,285	\$	3.00	27/02/2020
2152	QUB		140,703	422,753	\$	3.00	27/02/2020
2085	QUB		37,251	111,936	\$	3.00	27/02/2020
26	QUB		175,067	526,003	\$	3.00	27/02/2020
44	QUB	-	16,481	48,200	\$	2.93	28/02/2020
652	QUB		498,758	1,458,597	\$	2.92	28/02/2020
2127	QUB		64,120	187,516	\$	2.92	28/02/2020
651	QUB		113,956	333,260	\$	2.92	28/02/2020
2163	QUB		190,065	555,900	\$	2.92	28/02/2020
2216	QUB		118,420	346,353	\$	2.92	28/02/2020
44	QUB	-	46,741	134,673	\$	2.89	2/03/2020
26	QUB	-	139,847	402,479	\$	2.88	3/03/2020
653	QUB	-	1,000,000	2,873,575	\$	2.88	3/03/2020

44	QUB	-	13,317	37,440	\$	2.82	4/03/2020
44	QUB	-	156,113	437,872	\$	2.81	4/03/2020
2222	QUB	-	3,347	9,387	\$	2.81	4/03/2020
2125	QUB	-	3,878	10,877	\$	2.81	4/03/2020
650	QUB	-	36,811	103,249	\$	2.81	4/03/2020
220	QUB	-	42,240	118,463	\$	2.81	4/03/2020
2243	QUB	-	3,360	9,426	\$	2.81	4/03/2020
2124	QUB	-	2,358	6,614	\$	2.81	4/03/2020
649	QUB	-	197,271	553,314	\$	2.81	4/03/2020
2125	QUB	-	18,632	52,719	\$	2.83	5/03/2020
649	QUB	-	947,910	2,682,100	\$	2.83	5/03/2020
2243	QUB	-	16,147	45,695	\$	2.83	5/03/2020
2124	QUB	-	11,328	32,052	\$	2.83	5/03/2020
650	QUB	-	176,880	500,480	\$	2.83	5/03/2020
44	QUB	-	750,141	2,122,515	\$	2.83	5/03/2020
2222	QUB	-	16,085	45,507	\$	2.83	5/03/2020
220	QUB	-	202,969	574,234	\$	2.83	5/03/2020
2130	QUB		227,169	598,750	\$	2.63	10/03/2020
2130	QUB		102,177	269,619	\$	2.63	10/03/2020
2161	QUB	-	30,918	81,035	\$	2.63	10/03/2020
2161	QUB	-	13,711	36,004	\$	2.63	10/03/2020
2166	QUB	-	131,379	344,340	\$	2.63	10/03/2020
2166	QUB	-	114,778	301,402	\$	2.63	10/03/2020
695	QUB	-	371,510	975,870	\$	2.63	10/03/2020
2166	QUB	-	114,778	301,495	\$	2.63	10/03/2020
2166	QUB	-	131,379	344,996	\$	2.63	10/03/2020
695	QUB	-	371,511	975,572	\$	2.63	10/03/2020
2161	QUB	-	13,712	36,018	\$	2.63	10/03/2020
2161	QUB	-	30,917	81,187	\$	2.63	10/03/2020
695	QUB	-	837,703	2,195,589	\$	2.63	10/03/2020
695	QUB	-	837,704	2,199,774	\$	2.63	10/03/2020
17	QUB		136,498	352,597	\$	2.58	10/03/2020
740	QUB		205,642	433,182	\$	2.10	16/03/2020
2100	QUB		112,989	237,983	\$	2.10	16/03/2020
702	QUB		148,422	312,649	\$	2.10	16/03/2020
215	QUB		1,012,454	2,132,721	\$	2.10	16/03/2020
2152	QUB		330,851	696,855	\$	2.10	16/03/2020
2085	QUB		88,556	186,542	\$	2.10	16/03/2020
26	QUB		376,425	792,845	\$	2.10	16/03/2020
17	QUB		224,661	473,192	\$	2.10	16/03/2020
26	QUB	-	53,090	101,054	\$	1.91	20/03/2020
941	QUB	-	714,251	1,296,366	\$	1.82	23/03/2020
702	QUB		51,603	93,659	\$	1.82	23/03/2020
2152	QUB		118,358	214,820	\$	1.82	23/03/2020
17	QUB		79,370	144,057	\$	1.82	23/03/2020
740	QUB		72,683	131,920	\$	1.82	23/03/2020
215	QUB		363,753	660,212	\$	1.82	23/03/2020
2085	QUB		28,484	51,698	\$	1.82	23/03/2020
2130	QUB	-	3,181,372	6,096,092	\$	1.92	25/03/2020
653	QUB	-	1,000,000	2,028,976	\$	2.03	26/03/2020
653	QUB	-	500,000	1,097,310	\$	2.20	26/03/2020
17	QUB	-	214,111	467,480	\$	2.18	26/03/2020
T2	QUB		465,058	1,015,594	\$	2.18	26/03/2020
			- 15,746,667				