

# Form 604

Corporations Law  
Section 671B

## Notice of change of interests of substantial holder

To Company Name/Scheme **ALUMINA LIMITED**

ACN/ARSN **004 820 419**

### 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 19 / 01 / 2017

The previous notice was given to the company on 18 / 10 / 2016

The previous notice was dated 14 / 10 / 2016

### 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)
<b>Ordinary</b>	<b>313,972,632</b>	<b>10.90%</b>	<b>284,458,234</b>	<b>9.88%</b>

### 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
	<b>Refer annexure 3</b>				

### 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
	<b>Refer annexure 1 &amp; 2</b>				

## 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

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**Signature**

Print name **GLEND A CHARLES**

Capacity **DEPUTY COMPANY SECRETARY**

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**ANNEXURE 1 - Perpetual Investments Account Codes & Details**

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

INTERNAL CODE	REGISTRATION DETAILS
2089	RBC Investor Services Australia Nominees Pty Limited <PICREDIT> GPO Box 5430 Sydney NSW 2001
650	RBC Investor Services Australia Nominees Pty Limited <PIIC A/C> GPO Box 5430 Sydney NSW 2001
651	RBC Investor Services Australia Nominees Pty Limited <PIIC A/C> GPO Box 5430 Sydney NSW 2001
17	RBC Investor Services Australia Nominees Pty Limited <PISELECT> GPO Box 5430, Sydney NSW 2001
2130	RBC Investor Services Australia Nominees Pty Ltd <BKCUST A/C> GPO Box 5430 Sydney NSW 2001
118	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2086	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2093	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2124	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2125	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2127	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
2128	RBC Investor Services Australia Nominees Pty Ltd <PI CREDIT A/C> GPO Box 5430 Sydney NSW 2001
26	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED 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
212	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
649	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
652	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
653	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
670	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
695	RBC Investor Services Australia Nominees Pty Ltd <PI POOLED A/C> GPO Box 5430 Sydney NSW 2001
774	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
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**Perpetual Investment Management Limited (PIML), subsidiary of Perpetual Limited, as Trustee for:**

<b>ALL 'SS' CODES</b>	RBC Investor Services Australia Nominees Pty Ltd ACF: PIML (Select Super) RBC Dexia Investor Services Australia Pty Limited GPO Box 5430 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
220	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	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	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
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	HSBC Custody Nominees (Australia) Limited GPO Box 5302 Sydney NSW 2001
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

**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

<b>ASXCode</b>	<b>Internal Code</b>	<b>Holding</b>
AWC	248	15,987,461
AWC	17	11,424,824
AWC	26	27,389,131
AWC	2130	4,624,384
AWC	194	6,269,152
AWC	2166	3,772,059
AWC	711	218,548
AWC	2085	3,396,147
AWC	212	4,681,813
AWC	2172	1,024,614
AWC	2100	3,632,379
AWC	2161	59,905
AWC	702	4,749,673
AWC	2152	24,202,494
AWC	649	7,605,818
AWC	230	16,921,346
AWC	650	1,357,295
AWC	2125	227,158
AWC	786	1,191,217
AWC	2131	11,006,274
AWC	2124	190,450
AWC	2127	925,149
AWC	779	3,799,151
AWC	670	32,700
AWC	740	6,521,604
AWC	2160	1,803,620
AWC	2097	908,308
AWC	941	6,960,552
AWC	44	6,013,913
AWC	696	20,769,404
AWC	695	5,735,133
AWC	215	26,596,036
AWC	220	2,137,064
AWC	392	36,920,911
AWC	653	5,871,573
AWC	T2	7,285
AWC	449	9,523,689

### ANNEXURE 3

#### CHANGES IN RELEVANT INTERESTS

Account	Security	Volume	Value	Price	AsAtDate
44	AWC	61,617	\$ 111,574.83	\$ 1.81	19/01/2017
2172	AWC	- 71,120	\$ 122,479.58	\$ 1.73	07/12/2016
2172	AWC	- 1,732	\$ 2,983.12	\$ 1.73	07/12/2016
44	AWC	271,566	\$ 502,380.78	\$ 1.85	03/01/2017
670	AWC	32,700	\$ 51,250.91	\$ 1.56	02/11/2016
2100	AWC	- 7,878	\$ 14,377.27	\$ 1.83	04/01/2017
2100	AWC	- 10,363	\$ 19,121.37	\$ 1.85	03/01/2017
2100	AWC	- 120,784	\$ 220,393.38	\$ 1.83	21/12/2016
2100	AWC	- 207,728	\$ 366,594.73	\$ 1.77	19/12/2016
2100	AWC	- 71,759	\$ 127,013.43	\$ 1.77	14/12/2016
2100	AWC	- 92,397	\$ 159,139.77	\$ 1.73	07/12/2016
2100	AWC	- 2,250	\$ 3,875.74	\$ 1.73	07/12/2016
2100	AWC	- 10,747	\$ 18,600.10	\$ 1.73	06/12/2016
2100	AWC	- 46,998	\$ 81,153.94	\$ 1.73	06/12/2016
2172	AWC	558,516	\$ 848,946.48	\$ 1.52	21/10/2016
2100	AWC	82,240	\$ 136,608.73	\$ 1.66	30/11/2016
2172	AWC	14,080	\$ 21,142.16	\$ 1.50	18/10/2016
695	AWC	- 885,947	\$ 1,525,908.88	\$ 1.73	07/12/2016
695	AWC	- 21,576	\$ 37,165.70	\$ 1.73	07/12/2016
2100	AWC	- 29,713	\$ 51,350.81	\$ 1.73	25/11/2016
2172	AWC	92,736	\$ 139,305.65	\$ 1.50	18/10/2016
2172	AWC	29,165	\$ 43,810.92	\$ 1.50	17/10/2016
650	AWC	55,970	\$ 86,326.32	\$ 1.54	04/11/2016
650	AWC	111,939	\$ 171,270.04	\$ 1.53	04/11/2016
26	AWC	- 53,714	\$ 98,027.50	\$ 1.83	04/01/2017
26	AWC	- 129,865	\$ 239,621.53	\$ 1.85	03/01/2017
2100	AWC	- 25,371	\$ 42,136.06	\$ 1.66	17/11/2016
2100	AWC	15,594	\$ 26,081.31	\$ 1.67	15/11/2016
26	AWC	- 912,277	\$ 1,664,622.92	\$ 1.83	21/12/2016
2100	AWC	- 54,475	\$ 92,470.56	\$ 1.70	11/11/2016
26	AWC	- 1,583,591	\$ 2,794,693.63	\$ 1.77	19/12/2016
2100	AWC	- 30,018	\$ 50,027.29	\$ 1.67	10/11/2016
26	AWC	- 518,526	\$ 917,791.02	\$ 1.77	14/12/2016
44	AWC	235,673	\$ 363,494.43	\$ 1.54	04/11/2016
44	AWC	471,346	\$ 721,173.59	\$ 1.53	04/11/2016
2100	AWC	- 69,159	\$ 115,145.33	\$ 1.67	08/11/2016
2100	AWC	- 3,152	\$ 5,240.47	\$ 1.67	08/11/2016
695	AWC	226,934	\$ 350,015.68	\$ 1.54	04/11/2016
695	AWC	453,869	\$ 694,433.26	\$ 1.53	04/11/2016
26	AWC	- 697,284	\$ 1,200,965.58	\$ 1.73	07/12/2016
26	AWC	- 16,981	\$ 29,250.58	\$ 1.73	07/12/2016
650	AWC	152,009	\$ 230,388.90	\$ 1.51	20/10/2016
941	AWC	- 552,748	\$ 975,479.98	\$ 1.77	19/12/2016
26	AWC	- 85,384	\$ 147,776.15	\$ 1.73	06/12/2016
26	AWC	- 373,412	\$ 644,790.25	\$ 1.73	06/12/2016
220	AWC	84,951	\$ 153,844.84	\$ 1.81	19/01/2017
650	AWC	61,481	\$ 93,576.33	\$ 1.52	19/10/2016

26	AWC	629,093	\$	1,044,985.30	\$	1.66	30/11/2016
2100	AWC	74,790	\$	112,335.00	\$	1.50	18/10/2016
2100	AWC	11,355	\$	17,048.45	\$	1.50	18/10/2016
44	AWC	657,534	\$	996,576.08	\$	1.51	20/10/2016
695	AWC	693,973	\$	1,051,804.00	\$	1.51	20/10/2016
2101	AWC	- 7,296,005	\$	13,315,209.13	\$	1.83	19/01/2017
26	AWC	- 276,993	\$	478,706.71	\$	1.73	25/11/2016
941	AWC	- 266,683	\$	459,320.89	\$	1.73	07/12/2016
941	AWC	- 6,495	\$	11,183.41	\$	1.72	07/12/2016
941	AWC	- 37,500	\$	64,902.16	\$	1.73	06/12/2016
941	AWC	- 164,000	\$	283,187.47	\$	1.73	06/12/2016
44	AWC	240,823	\$	366,565.52	\$	1.52	19/10/2016
695	AWC	336,037	\$	511,460.59	\$	1.52	19/10/2016
695	AWC	172,707	\$	259,303.13	\$	1.50	18/10/2016
695	AWC	1,137,502	\$	1,708,420.67	\$	1.50	18/10/2016
695	AWC	486,239	\$	730,333.79	\$	1.50	17/10/2016
941	AWC	- 100,000	\$	169,651.50	\$	1.70	01/12/2016
2152	AWC	- 52,564	\$	95,928.77	\$	1.83	04/01/2017
2152	AWC	- 68,644	\$	126,659.07	\$	1.85	03/01/2017
26	AWC	- 194,223	\$	322,564.77	\$	1.66	17/11/2016
2101	AWC	- 15,826	\$	28,882.29	\$	1.83	04/01/2017
2101	AWC	- 26,202	\$	48,346.86	\$	1.85	03/01/2017
2152	AWC	- 804,833	\$	1,468,570.90	\$	1.83	21/12/2016
2152	AWC	- 1,383,975	\$	2,442,414.82	\$	1.77	19/12/2016
2101	AWC	- 222,271	\$	405,575.72	\$	1.83	21/12/2016
2152	AWC	- 469,075	\$	830,262.75	\$	1.77	14/12/2016
26	AWC	95,922	\$	160,431.62	\$	1.67	15/11/2016
941	AWC	- 237,153	\$	402,114.02	\$	1.70	24/11/2016
2101	AWC	- 529,944	\$	935,235.89	\$	1.77	19/12/2016
26	AWC	- 412,533	\$	700,269.03	\$	1.70	11/11/2016
2101	AWC	- 49,039	\$	86,799.03	\$	1.77	14/12/2016
26	AWC	- 248,732	\$	414,530.91	\$	1.67	10/11/2016
941	AWC	- 67,500	\$	112,103.73	\$	1.66	17/11/2016
2152	AWC	- 613,219	\$	1,056,176.41	\$	1.73	07/12/2016
2152	AWC	- 14,934	\$	25,724.52	\$	1.73	07/12/2016
779	AWC	- 8,227	\$	15,012.49	\$	1.83	04/01/2017
2152	AWC	- 71,812	\$	124,286.77	\$	1.73	06/12/2016
2152	AWC	- 314,058	\$	542,300.56	\$	1.73	06/12/2016
26	AWC	- 33,562	\$	55,799.67	\$	1.67	08/11/2016
26	AWC	- 736,432	\$	1,226,112.31	\$	1.67	08/11/2016
779	AWC	- 9,396	\$	17,335.15	\$	1.85	03/01/2017
2101	AWC	- 164,629	\$	283,548.40	\$	1.73	07/12/2016
2101	AWC	- 4,010	\$	6,907.41	\$	1.73	07/12/2016
2101	AWC	- 21,148	\$	36,601.36	\$	1.73	06/12/2016
779	AWC	- 126,582	\$	230,946.92	\$	1.83	21/12/2016
779	AWC	- 217,870	\$	384,449.84	\$	1.77	19/12/2016
941	AWC	- 139,086	\$	236,096.55	\$	1.70	11/11/2016
2101	AWC	- 92,487	\$	159,702.20	\$	1.73	06/12/2016
2152	AWC	587,322	\$	975,599.57	\$	1.66	30/11/2016
779	AWC	- 74,921	\$	132,610.17	\$	1.77	14/12/2016
941	AWC	- 119,026	\$	198,365.93	\$	1.67	10/11/2016
2101	AWC	280,964	\$	466,708.82	\$	1.66	30/11/2016
2130	AWC	22,700	\$	41,104.70	\$	1.81	19/01/2017

2101	AWC	-	47,109	\$	81,415.03	\$	1.73	25/11/2016
220	AWC		79,380	\$	122,446.91	\$	1.54	04/11/2016
220	AWC		158,761	\$	242,945.47	\$	1.53	04/11/2016
779	AWC	-	97,303	\$	167,570.73	\$	1.73	07/12/2016
779	AWC	-	2,370	\$	4,081.98	\$	1.73	07/12/2016
2130	AWC	-	500,000	\$	882,990.31	\$	1.77	14/12/2016
779	AWC	-	10,928	\$	18,911.94	\$	1.73	06/12/2016
779	AWC	-	47,790	\$	82,509.12	\$	1.73	06/12/2016
2152	AWC		83,108	\$	139,899.34	\$	1.68	23/11/2016
779	AWC		88,357	\$	146,791.63	\$	1.66	30/11/2016
2101	AWC	-	48,052	\$	79,804.56	\$	1.66	17/11/2016
2152	AWC	-	166,970	\$	277,303.10	\$	1.66	17/11/2016
696	AWC		1,000,000	\$	1,664,054.56	\$	1.66	30/11/2016
779	AWC	-	30,318	\$	52,392.44	\$	1.73	25/11/2016
2152	AWC		102,635	\$	171,659.26	\$	1.67	15/11/2016
2101	AWC		28,084	\$	46,971.09	\$	1.67	15/11/2016
2130	AWC	-	4,359	\$	7,246.78	\$	1.67	08/11/2016
2130	AWC	-	95,641	\$	159,236.17	\$	1.67	08/11/2016
2152	AWC	-	359,045	\$	609,473.89	\$	1.70	11/11/2016
26	AWC		75,919	\$	113,985.16	\$	1.50	18/10/2016
26	AWC		500,027	\$	751,043.45	\$	1.50	18/10/2016
779	AWC	-	27,049	\$	44,919.49	\$	1.66	17/11/2016
2101	AWC	-	97,844	\$	166,088.82	\$	1.70	11/11/2016
2101	AWC	-	58,880	\$	98,128.02	\$	1.67	10/11/2016
2152	AWC	-	197,207	\$	328,660.55	\$	1.67	10/11/2016
220	AWC		236,429	\$	358,378.36	\$	1.51	20/10/2016
2152	AWC	-	582,552	\$	969,911.92	\$	1.67	08/11/2016
779	AWC		39,012	\$	65,258.18	\$	1.67	15/11/2016
2101	AWC	-	138,379	\$	230,392.21	\$	1.67	08/11/2016
2101	AWC	-	6,307	\$	10,485.93	\$	1.67	08/11/2016
2130	AWC		100,000	\$	151,562.67	\$	1.51	20/10/2016
2130	AWC		200,000	\$	304,427.34	\$	1.52	19/10/2016
2130	AWC		59,317	\$	89,058.82	\$	1.50	18/10/2016
2130	AWC		390,683	\$	586,808.13	\$	1.50	18/10/2016
2152	AWC	-	26,550	\$	44,141.63	\$	1.67	08/11/2016
220	AWC		127,673	\$	194,357.60	\$	1.52	19/10/2016
779	AWC	-	57,458	\$	97,523.17	\$	1.70	11/11/2016
779	AWC	-	30,501	\$	50,824.61	\$	1.67	10/11/2016
2130	AWC		300,000	\$	450,601.73	\$	1.50	17/10/2016
779	AWC	-	96,581	\$	160,783.09	\$	1.67	08/11/2016
779	AWC	-	4,402	\$	7,317.59	\$	1.67	08/11/2016
2131	AWC	-	94,097	\$	173,623.90	\$	1.85	03/01/2017
2131	AWC	-	315,473	\$	572,585.12	\$	1.82	28/12/2016
2131	AWC	-	344,951	\$	629,428.71	\$	1.83	21/12/2016
2131	AWC	-	790,684	\$	1,395,385.26	\$	1.77	19/12/2016
779	AWC		493,349	\$	803,657.33	\$	1.63	07/11/2016
2131	AWC	-	208,324	\$	368,733.48	\$	1.77	14/12/2016
2101	AWC		19,546	\$	29,346.46	\$	1.50	18/10/2016
2101	AWC		128,739	\$	193,366.72	\$	1.50	18/10/2016
2152	AWC		78,533	\$	117,909.82	\$	1.50	18/10/2016
2152	AWC		517,247	\$	776,907.99	\$	1.50	18/10/2016
2131	AWC	-	253,440	\$	436,511.83	\$	1.73	07/12/2016
2131	AWC	-	6,172	\$	10,631.56	\$	1.73	07/12/2016

2131	AWC	-	32,160	\$	55,660.09	\$	1.73	06/12/2016
2131	AWC	-	140,649	\$	242,866.06	\$	1.73	06/12/2016
2131	AWC		224,289	\$	372,566.08	\$	1.66	30/11/2016
779	AWC		11,039	\$	16,575.86	\$	1.50	18/10/2016
2131	AWC	-	37,985	\$	65,646.70	\$	1.73	25/11/2016
779	AWC		72,704	\$	109,214.10	\$	1.50	18/10/2016
2131	AWC	-	85,096	\$	141,327.09	\$	1.66	17/11/2016
2131	AWC		102,701	\$	171,769.65	\$	1.67	15/11/2016
2131	AWC	-	100,226	\$	170,132.24	\$	1.70	11/11/2016
2160	AWC	-	229,405	\$	395,115.20	\$	1.73	07/12/2016
2160	AWC	-	5,587	\$	9,623.87	\$	1.73	07/12/2016
2131	AWC	-	203,433	\$	339,036.65	\$	1.67	10/11/2016
2131	AWC	-	79,740	\$	132,762.01	\$	1.67	08/11/2016
2131	AWC	-	3,634	\$	6,041.83	\$	1.67	08/11/2016
702	AWC	-	10,317	\$	18,826.29	\$	1.83	04/01/2017
702	AWC	-	64,109	\$	118,277.95	\$	1.85	03/01/2017
786	AWC		301,127	\$	533,874.23	\$	1.77	14/12/2016
786	AWC		596,525	\$	1,055,849.25	\$	1.77	14/12/2016
2160	AWC		140,000	\$	214,204.22	\$	1.53	04/11/2016
2160	AWC		70,000	\$	107,965.74	\$	1.54	04/11/2016
702	AWC	-	146,034	\$	266,436.79	\$	1.83	21/12/2016
702	AWC	-	276,675	\$	488,216.18	\$	1.77	19/12/2016
2131	AWC		20,563	\$	30,873.38	\$	1.50	18/10/2016
702	AWC	-	70,708	\$	125,153.16	\$	1.77	14/12/2016
2131	AWC		135,435	\$	203,424.16	\$	1.50	18/10/2016
786	AWC	-	11,633	\$	20,132.00	\$	1.73	06/12/2016
786	AWC	-	50,874	\$	87,838.70	\$	1.73	06/12/2016
702	AWC	-	108,210	\$	186,354.26	\$	1.73	07/12/2016
702	AWC	-	2,635	\$	4,538.40	\$	1.73	07/12/2016
702	AWC	-	14,042	\$	24,301.01	\$	1.73	06/12/2016
702	AWC	-	61,409	\$	106,022.23	\$	1.73	06/12/2016
2160	AWC		214,600	\$	325,253.49	\$	1.51	20/10/2016
702	AWC		97,662	\$	162,250.47	\$	1.66	30/11/2016
2160	AWC		103,444	\$	157,445.55	\$	1.52	19/10/2016
702	AWC	-	19,185	\$	33,153.54	\$	1.73	25/11/2016
2160	AWC		53,505	\$	80,332.67	\$	1.50	18/10/2016
2160	AWC		352,396	\$	529,300.83	\$	1.50	18/10/2016
2160	AWC		149,371	\$	224,356.11	\$	1.50	17/10/2016
702	AWC	-	38,550	\$	64,018.88	\$	1.66	17/11/2016
702	AWC		43,989	\$	73,583.56	\$	1.67	15/11/2016
702	AWC	-	67,016	\$	113,745.91	\$	1.70	11/11/2016
702	AWC	-	62,027	\$	103,357.20	\$	1.67	10/11/2016
2161	AWC		3,508	\$	6,253.84	\$	1.78	15/12/2016
702	AWC	-	2,930	\$	4,870.64	\$	1.67	08/11/2016
702	AWC	-	64,299	\$	107,041.67	\$	1.67	08/11/2016
2161	AWC	-	1,631	\$	2,809.16	\$	1.73	07/12/2016
2161	AWC	-	40	\$	68.91	\$	1.73	07/12/2016
786	AWC	-	6,275	\$	10,446.29	\$	1.67	08/11/2016
786	AWC	-	286	\$	475.40	\$	1.67	08/11/2016
2161	AWC		8,240	\$	13,949.19	\$	1.69	21/11/2016
702	AWC		3,287	\$	4,935.67	\$	1.50	18/10/2016
702	AWC		21,646	\$	32,516.07	\$	1.50	18/10/2016
711	AWC		10,135	\$	18,354.32	\$	1.81	19/01/2017

2161	AWC		6,131	\$	9,380.61	\$	1.53	04/11/2016
2161	AWC		3,066	\$	4,728.90	\$	1.54	04/11/2016
2161	AWC		4,927	\$	7,467.49	\$	1.51	20/10/2016
2161	AWC		3,108	\$	4,730.49	\$	1.52	19/10/2016
2161	AWC		1,182	\$	1,774.67	\$	1.50	18/10/2016
2161	AWC		7,787	\$	11,696.12	\$	1.50	18/10/2016
230	AWC	-	36,476	\$	66,560.82	\$	1.83	04/01/2017
230	AWC	-	56,640	\$	104,498.01	\$	1.85	03/01/2017
230	AWC	-	561,346	\$	1,024,167.15	\$	1.83	21/12/2016
2161	AWC		78	\$	116.99	\$	1.50	17/10/2016
230	AWC	-	967,024	\$	1,706,394.72	\$	1.77	19/12/2016
2161	AWC		3,172	\$	4,764.37	\$	1.50	17/10/2016
230	AWC	-	362,723	\$	642,019.71	\$	1.77	14/12/2016
230	AWC	-	429,033	\$	738,860.80	\$	1.73	07/12/2016
230	AWC	-	10,449	\$	17,996.87	\$	1.73	07/12/2016
230	AWC	-	51,010	\$	88,277.62	\$	1.73	06/12/2016
230	AWC	-	223,086	\$	385,156.50	\$	1.73	06/12/2016
711	AWC		16,293	\$	24,932.52	\$	1.53	04/11/2016
711	AWC		8,147	\$	12,567.08	\$	1.54	04/11/2016
230	AWC		395,917	\$	657,755.49	\$	1.66	30/11/2016
230	AWC	-	137,245	\$	237,172.68	\$	1.73	25/11/2016
392	AWC	-	79,508	\$	145,084.93	\$	1.83	04/01/2017
392	AWC	-	121,421	\$	224,015.77	\$	1.85	03/01/2017
230	AWC	-	115,710	\$	192,156.27	\$	1.66	17/11/2016
392	AWC	-	1,224,291	\$	2,233,700.10	\$	1.83	21/12/2016
392	AWC	-	2,108,842	\$	3,721,228.06	\$	1.77	19/12/2016
711	AWC		24,674	\$	37,400.77	\$	1.51	20/10/2016
392	AWC	-	789,445	\$	1,397,317.65	\$	1.77	14/12/2016
230	AWC		73,932	\$	123,671.38	\$	1.67	15/11/2016
711	AWC		5,538	\$	8,430.53	\$	1.52	19/10/2016
230	AWC	-	252,874	\$	429,201.73	\$	1.70	11/11/2016
230	AWC	-	143,351	\$	238,869.50	\$	1.67	10/11/2016
392	AWC	-	935,986	\$	1,611,911.80	\$	1.73	07/12/2016
392	AWC	-	22,795	\$	39,261.04	\$	1.73	07/12/2016
230	AWC	-	415,883	\$	692,340.65	\$	1.67	08/11/2016
230	AWC	-	18,954	\$	31,507.89	\$	1.67	08/11/2016
392	AWC	-	111,815	\$	193,506.40	\$	1.73	06/12/2016
392	AWC	-	489,004	\$	844,262.14	\$	1.73	06/12/2016
392	AWC		833,412	\$	1,384,586.47	\$	1.66	30/11/2016
392	AWC	-	298,004	\$	514,979.81	\$	1.73	25/11/2016
392	AWC	-	247,229	\$	410,566.09	\$	1.66	17/11/2016
230	AWC		55,414	\$	83,208.20	\$	1.50	18/10/2016
230	AWC		364,972	\$	548,251.63	\$	1.50	18/10/2016
392	AWC		162,121	\$	271,191.47	\$	1.67	15/11/2016
392	AWC	-	554,337	\$	940,873.33	\$	1.70	11/11/2016
392	AWC	-	307,150	\$	511,812.03	\$	1.67	10/11/2016
392	AWC	-	41,411	\$	68,838.95	\$	1.67	08/11/2016
392	AWC	-	908,656	\$	1,512,683.82	\$	1.67	08/11/2016
2085	AWC	-	7,366	\$	13,441.35	\$	1.83	04/01/2017
2085	AWC	-	9,711	\$	17,916.32	\$	1.85	03/01/2017
740	AWC	-	14,143	\$	25,807.92	\$	1.83	04/01/2017
2085	AWC	-	112,944	\$	206,064.59	\$	1.83	21/12/2016
740	AWC	-	18,243	\$	33,657.43	\$	1.85	03/01/2017

2085	AWC	-	194,216	\$	342,710.37	\$	1.77	19/12/2016
2085	AWC	-	67,119	\$	118,800.63	\$	1.77	14/12/2016
740	AWC	-	216,856	\$	395,650.43	\$	1.83	21/12/2016
740	AWC	-	372,871	\$	657,962.06	\$	1.77	19/12/2016
740	AWC	-	128,563	\$	227,556.51	\$	1.77	14/12/2016
2085	AWC	-	86,408	\$	148,807.86	\$	1.73	07/12/2016
17	AWC	-	24,795	\$	45,250.62	\$	1.83	04/01/2017
2085	AWC	-	2,104	\$	3,623.84	\$	1.73	07/12/2016
2085	AWC	-	10,022	\$	17,344.02	\$	1.73	06/12/2016
2085	AWC	-	43,832	\$	75,675.65	\$	1.73	06/12/2016
17	AWC	-	32,081	\$	59,194.54	\$	1.85	03/01/2017
194	AWC	-	12,407	\$	22,640.09	\$	1.83	04/01/2017
194	AWC	-	78,517	\$	144,860.00	\$	1.85	03/01/2017
392	AWC		120,970	\$	181,645.35	\$	1.50	18/10/2016
392	AWC		796,750	\$	1,196,857.54	\$	1.50	18/10/2016
740	AWC	-	165,949	\$	285,789.70	\$	1.73	07/12/2016
740	AWC	-	4,041	\$	6,960.02	\$	1.73	07/12/2016
194	AWC	-	199,080	\$	361,290.51	\$	1.82	28/12/2016
740	AWC	-	19,239	\$	33,294.91	\$	1.73	06/12/2016
740	AWC	-	84,136	\$	145,260.24	\$	1.73	06/12/2016
2085	AWC		78,973	\$	131,201.55	\$	1.66	30/11/2016
194	AWC	-	218,674	\$	398,967.36	\$	1.83	21/12/2016
194	AWC	-	360,869	\$	636,783.53	\$	1.77	19/12/2016
194	AWC	-	48,878	\$	86,514.06	\$	1.77	14/12/2016
740	AWC		151,612	\$	251,880.13	\$	1.66	30/11/2016
2085	AWC	-	27,773	\$	47,994.43	\$	1.73	25/11/2016
194	AWC	-	138,828	\$	239,083.16	\$	1.73	07/12/2016
194	AWC	-	3,381	\$	5,823.27	\$	1.73	07/12/2016
194	AWC	-	5,877	\$	10,170.70	\$	1.73	06/12/2016
194	AWC	-	25,703	\$	44,376.05	\$	1.73	06/12/2016
740	AWC	-	53,148	\$	91,844.89	\$	1.73	25/11/2016
2085	AWC	-	23,703	\$	39,362.89	\$	1.66	17/11/2016
194	AWC		273,483	\$	454,350.15	\$	1.66	30/11/2016
740	AWC	-	45,094	\$	74,886.31	\$	1.66	17/11/2016
2085	AWC		14,563	\$	24,360.57	\$	1.67	15/11/2016
740	AWC		28,429	\$	47,555.23	\$	1.67	15/11/2016
2085	AWC	-	50,916	\$	86,419.47	\$	1.70	11/11/2016
194	AWC	-	38,342	\$	63,673.47	\$	1.66	17/11/2016
248	AWC	-	34,230	\$	62,462.35	\$	1.83	04/01/2017
248	AWC	-	262,849	\$	484,943.47	\$	1.85	03/01/2017
248	AWC	-	485,447	\$	880,989.52	\$	1.82	28/12/2016
740	AWC	-	97,605	\$	165,664.46	\$	1.70	11/11/2016
2085	AWC	-	28,017	\$	46,685.45	\$	1.67	10/11/2016
17	AWC	-	379,591	\$	692,635.99	\$	1.83	21/12/2016
248	AWC	-	557,166	\$	1,016,540.81	\$	1.83	21/12/2016
740	AWC	-	53,886	\$	89,791.64	\$	1.67	10/11/2016
2085	AWC	-	64,637	\$	107,604.36	\$	1.67	08/11/2016
194	AWC		61,633	\$	103,097.95	\$	1.67	15/11/2016
248	AWC	-	952,306	\$	1,680,423.58	\$	1.77	19/12/2016
248	AWC	-	331,089	\$	586,027.53	\$	1.77	14/12/2016
740	AWC	-	124,230	\$	206,811.73	\$	1.67	08/11/2016
2085	AWC	-	2,946	\$	4,897.24	\$	1.67	08/11/2016
194	AWC	-	30,556	\$	51,862.55	\$	1.70	11/11/2016

194	AWC	-	11,338	\$	18,892.80	\$	1.67	10/11/2016
449	AWC	-	10,464	\$	19,094.54	\$	1.83	04/01/2017
740	AWC	-	5,662	\$	9,412.13	\$	1.67	08/11/2016
449	AWC	-	2	\$	3.69	\$	1.85	03/01/2017
248	AWC	-	424,453	\$	730,973.33	\$	1.73	07/12/2016
449	AWC	-	315,312	\$	575,281.89	\$	1.83	21/12/2016
449	AWC	-	334,524	\$	590,295.57	\$	1.77	19/12/2016
248	AWC	-	10,336	\$	17,802.24	\$	1.73	07/12/2016
248	AWC	-	49,475	\$	85,621.15	\$	1.73	06/12/2016
248	AWC	-	216,368	\$	373,557.91	\$	1.73	06/12/2016
449	AWC	-	23,379	\$	41,380.83	\$	1.77	14/12/2016
17	AWC	-	652,777	\$	1,152,009.40	\$	1.77	19/12/2016
248	AWC	-	388,502	\$	645,436.61	\$	1.66	30/11/2016
449	AWC	-	100,481	\$	173,043.74	\$	1.73	07/12/2016
449	AWC	-	2,447	\$	4,214.36	\$	1.73	07/12/2016
248	AWC	-	135,734	\$	234,561.52	\$	1.73	25/11/2016
2085	AWC	-	10,440	\$	15,676.43	\$	1.50	18/10/2016
2085	AWC	-	68,759	\$	103,288.02	\$	1.50	18/10/2016
740	AWC	-	20,012	\$	30,049.49	\$	1.50	18/10/2016
194	AWC	-	22,934	\$	34,437.09	\$	1.50	18/10/2016
194	AWC	-	151,050	\$	226,903.46	\$	1.50	18/10/2016
740	AWC	-	131,807	\$	197,997.12	\$	1.50	18/10/2016
17	AWC	-	216,818	\$	383,767.86	\$	1.77	14/12/2016
248	AWC	-	116,313	\$	193,157.65	\$	1.66	17/11/2016
449	AWC	-	38,297	\$	64,476.67	\$	1.68	23/11/2016
248	AWC	-	71,126	\$	118,977.58	\$	1.67	15/11/2016
248	AWC	-	250,168	\$	424,608.85	\$	1.70	11/11/2016
449	AWC	-	3	\$	4.99	\$	1.66	17/11/2016
653	AWC	-	2,940,418	\$	5,204,539.86	\$	1.77	14/12/2016
653	AWC	-	1,481,593	\$	2,626,451.58	\$	1.77	14/12/2016
248	AWC	-	137,441	\$	229,021.51	\$	1.67	10/11/2016
248	AWC	-	409,417	\$	681,576.39	\$	1.67	08/11/2016
248	AWC	-	18,659	\$	31,017.50	\$	1.67	08/11/2016
449	AWC	-	1,754	\$	2,915.74	\$	1.67	08/11/2016
449	AWC	-	38,490	\$	64,076.18	\$	1.67	08/11/2016
449	AWC	-	450,000	\$	736,782.30	\$	1.64	07/11/2016
653	AWC	-	58,077	\$	100,515.27	\$	1.73	06/12/2016
653	AWC	-	253,993	\$	438,608.50	\$	1.73	06/12/2016
17	AWC	-	7,074	\$	12,185.29	\$	1.73	07/12/2016
17	AWC	-	290,473	\$	500,295.54	\$	1.73	07/12/2016
449	AWC	-	220,000	\$	353,615.57	\$	1.61	26/10/2016
17	AWC	-	147,741	\$	255,112.20	\$	1.73	06/12/2016
17	AWC	-	33,782	\$	58,467.33	\$	1.73	06/12/2016
449	AWC	-	200,000	\$	319,472.00	\$	1.60	25/10/2016
248	AWC	-	54,881	\$	82,407.86	\$	1.50	18/10/2016
212	AWC	-	213,360	\$	367,480.13	\$	1.73	07/12/2016
248	AWC	-	361,464	\$	542,982.00	\$	1.50	18/10/2016
449	AWC	-	29,647	\$	44,517.16	\$	1.50	18/10/2016
212	AWC	-	5,196	\$	8,950.35	\$	1.73	07/12/2016
212	AWC	-	26,250	\$	45,431.51	\$	1.73	06/12/2016
212	AWC	-	114,800	\$	198,242.69	\$	1.73	06/12/2016
449	AWC	-	195,263	\$	293,319.10	\$	1.50	18/10/2016
17	AWC	-	265,525	\$	441,063.12	\$	1.66	30/11/2016

17	AWC	-	92,455	\$	159,783.20	\$	1.73	25/11/2016
212	AWC	-	203,487	\$	338,792.88	\$	1.67	08/11/2016
212	AWC	-	9,274	\$	15,417.89	\$	1.67	08/11/2016
2124	AWC	-	5,878	\$	10,676.03	\$	1.82	21/12/2016
649	AWC	-	79,809	\$	144,516.52	\$	1.81	19/01/2017
2124	AWC	-	6,378	\$	11,239.86	\$	1.77	12/12/2016
653	AWC	-	1,829	\$	3,040.69	\$	1.67	08/11/2016
653	AWC	-	40,133	\$	66,818.89	\$	1.67	08/11/2016
2166	AWC	-	4,207	\$	7,246.76	\$	1.73	07/12/2016
2166	AWC	-	172,736	\$	297,511.48	\$	1.73	07/12/2016
17	AWC	-	79,084	\$	131,342.38	\$	1.66	17/11/2016
17	AWC	-	50,482	\$	84,432.24	\$	1.67	15/11/2016
17	AWC	-	170,254	\$	289,003.81	\$	1.70	11/11/2016
2124	AWC	-	8,411	\$	12,972.85	\$	1.54	04/11/2016
215	AWC	-	57,277	\$	104,518.16	\$	1.83	04/01/2017
215	AWC	-	85,022	\$	156,861.41	\$	1.85	03/01/2017
2124	AWC	-	16,822	\$	25,738.16	\$	1.53	04/11/2016
215	AWC	-	881,549	\$	1,608,372.59	\$	1.83	21/12/2016
215	AWC	-	1,519,187	\$	2,680,732.51	\$	1.77	19/12/2016
215	AWC	-	569,634	\$	1,008,252.18	\$	1.77	14/12/2016
17	AWC	-	95,182	\$	158,628.08	\$	1.67	10/11/2016
215	AWC	-	673,033	\$	1,159,066.31	\$	1.73	07/12/2016
215	AWC	-	16,391	\$	28,231.09	\$	1.73	07/12/2016
215	AWC	-	80,059	\$	138,549.65	\$	1.73	06/12/2016
215	AWC	-	350,127	\$	604,491.93	\$	1.73	06/12/2016
2124	AWC	-	21,658	\$	32,825.44	\$	1.51	20/10/2016
2166	AWC	-	40,128	\$	60,248.36	\$	1.50	18/10/2016
17	AWC	-	12,172	\$	20,236.98	\$	1.67	08/11/2016
17	AWC	-	267,089	\$	444,686.15	\$	1.67	08/11/2016
215	AWC	-	622,649	\$	1,034,436.01	\$	1.66	30/11/2016
2124	AWC	-	6,916	\$	10,526.41	\$	1.52	19/10/2016
2166	AWC	-	264,298	\$	396,977.12	\$	1.50	18/10/2016
2166	AWC	-	61,176	\$	91,886.71	\$	1.50	17/10/2016
215	AWC	-	214,338	\$	370,396.86	\$	1.73	25/11/2016
2097	AWC	-	217,280	\$	385,176.90	\$	1.77	14/12/2016
2097	AWC	-	463,057	\$	819,610.89	\$	1.77	14/12/2016
215	AWC	-	181,711	\$	301,762.24	\$	1.66	17/11/2016
215	AWC	-	116,529	\$	194,926.45	\$	1.67	15/11/2016
649	AWC	-	605,649	\$	926,661.23	\$	1.53	04/11/2016
649	AWC	-	302,824	\$	467,065.97	\$	1.54	04/11/2016
215	AWC	-	396,406	\$	672,817.86	\$	1.70	11/11/2016
215	AWC	-	257,572	\$	429,198.92	\$	1.67	10/11/2016
215	AWC	-	654,456	\$	1,089,504.72	\$	1.67	08/11/2016
2097	AWC	-	9,040	\$	15,645.75	\$	1.73	06/12/2016
2097	AWC	-	39,533	\$	68,267.66	\$	1.73	06/12/2016
215	AWC	-	29,827	\$	49,582.46	\$	1.67	08/11/2016
649	AWC	-	868,288	\$	1,316,000.47	\$	1.51	20/10/2016
215	AWC	-	87,158	\$	130,874.15	\$	1.50	18/10/2016
215	AWC	-	574,049	\$	862,321.78	\$	1.50	18/10/2016
649	AWC	-	309,252	\$	470,723.81	\$	1.52	19/10/2016
650	AWC	-	24,535	\$	44,427.48	\$	1.81	19/01/2017
2125	AWC	-	9,595	\$	14,799.01	\$	1.54	04/11/2016
2125	AWC	-	19,190	\$	29,361.27	\$	1.53	04/11/2016

17	AWC		37,383	\$	56,127.02	\$	1.50	18/10/2016
17	AWC		246,217	\$	369,819.36	\$	1.50	18/10/2016
2097	AWC	-	4,464	\$	7,432.27	\$	1.67	08/11/2016
2097	AWC	-	203	\$	337.48	\$	1.67	08/11/2016
2172	AWC	-	139,247	\$	256,514.61	\$	1.85	03/01/2017
2125	AWC		25,908	\$	39,266.86	\$	1.51	20/10/2016
2125	AWC		11,219	\$	17,075.72	\$	1.52	19/10/2016
T2	AWC		757	\$	1,339.89	\$	1.77	14/12/2016