

## Summary of results for 539 market simulations for 2020-21 - Queensland

Simulation number	Unplanned outage set	Weather set	Energy and demand (as generated)				Spot Price (nominal at the regional reference node)					Hedged price (nominal at the regional reference node)
			Annual regional energy (GWh)	Annual regional peak demand (MW)	Annual energy - Energex NSLP (GWh)	Annual peak demand - Energex NSLP (MW)	Annual regional time weighted spot price (\$/MWh)	Annual regional Load weighted spot price (\$/MWh)	Number of hours spot prices above \$300	Contribution of spot prices above \$300 to annual average spot price (\$/MWh)	Annual load weighted spot price - Energex NSLP (\$/MWh)	Annual hedged price - Energex NSLP (\$/MWh)
1	1	1	54,595	9,604	6,838	2,614	\$51.36	\$54.67	11	\$1.97	\$62.80	\$79.15
2	1	1	54,243	9,610	6,663	2,156	\$49.28	\$51.99	2	\$1.21	\$58.50	\$78.87
3	1	1	54,674	9,909	6,868	2,519	\$51.97	\$56.15	11	\$2.88	\$66.25	\$78.90
4	1	1	54,857	10,085	6,824	2,633	\$50.68	\$53.55	11	\$0.95	\$60.48	\$79.51
5	1	1	54,661	9,610	6,845	2,508	\$49.75	\$52.40	7	\$0.70	\$59.06	\$79.72
6	1	1	54,787	10,085	6,908	2,633	\$51.54	\$54.96	8	\$2.14	\$62.83	\$77.62
7	1	1	54,896	9,499	6,937	2,519	\$54.09	\$58.36	19	\$3.73	\$67.99	\$77.52
8	1	1	55,078	10,444	6,985	2,756	\$53.03	\$57.33	14	\$2.79	\$68.00	\$79.73
9	1	1	54,685	10,556	6,847	2,778	\$57.41	\$64.14	14	\$8.35	\$83.79	\$80.89
10	1	1	55,134	10,556	7,000	2,778	\$57.24	\$64.09	21	\$7.00	\$81.17	\$80.29
11	1	1	54,791	9,548	6,816	2,519	\$50.50	\$53.51	13	\$0.95	\$60.91	\$79.69
12	1	1	54,835	10,199	6,933	2,633	\$55.52	\$60.82	20	\$5.63	\$73.21	\$77.89
13	1	1	54,647	9,610	6,833	2,614	\$51.90	\$55.65	10	\$2.78	\$65.60	\$79.76
14	1	1	54,697	9,610	6,828	2,424	\$52.49	\$56.38	13	\$3.32	\$65.42	\$78.32
15	1	1	54,870	10,085	6,935	2,633	\$51.84	\$55.73	10	\$2.52	\$65.83	\$79.57
16	1	1	55,005	10,085	6,991	2,633	\$51.68	\$55.16	10	\$2.01	\$63.25	\$78.54
17	1	1	54,862	10,085	6,922	2,633	\$53.06	\$57.40	12	\$3.49	\$67.84	\$77.96
18	1	1	54,505	9,610	6,753	2,519	\$49.04	\$51.50	6	\$0.45	\$57.58	\$79.26
19	1	1	54,867	9,610	6,874	2,519	\$51.55	\$54.96	12	\$2.04	\$62.94	\$78.39
20	1	1	54,780	9,610	6,905	2,424	\$50.98	\$54.32	16	\$1.38	\$62.18	\$79.13
21	1	1	55,046	10,444	6,972	2,756	\$58.56	\$66.13	25	\$8.12	\$85.32	\$79.78
22	1	1	54,925	10,556	6,948	2,778	\$54.32	\$59.53	16	\$4.64	\$72.74	\$79.71
23	1	1	54,604	9,610	6,783	2,519	\$54.92	\$60.02	14	\$5.75	\$72.43	\$76.01
24	1	1	54,725	10,085	6,860	2,633	\$50.85	\$54.04	12	\$1.86	\$61.61	\$78.61
25	1	1	54,686	10,085	6,820	2,633	\$51.37	\$54.85	13	\$2.00	\$62.65	\$78.80
26	1	1	54,615	9,610	6,816	2,508	\$51.58	\$55.33	11	\$3.45	\$65.06	\$78.81
27	1	1	54,584	10,444	6,804	2,756	\$55.73	\$62.18	17	\$6.88	\$78.39	\$79.31
28	1	1	55,220	10,230	7,117	3,068	\$66.83	\$76.57	38	\$15.04	\$100.34	\$76.82
29	1	1	54,616	10,556	6,789	2,778	\$55.61	\$61.43	20	\$5.94	\$76.54	\$79.13
30	1	1	54,339	9,610	6,690	2,245	\$51.21	\$54.40	9	\$2.55	\$62.07	\$77.95
31	1	1	54,811	9,499	6,848	2,424	\$54.23	\$58.44	23	\$4.03	\$68.07	\$77.11
32	1	1	55,190	9,610	7,001	2,508	\$52.25	\$55.99	15	\$2.50	\$64.47	\$78.68
33	1	1	54,565	9,445	6,726	2,274	\$51.08	\$54.47	6	\$2.30	\$62.78	\$78.73
34	1	1	54,951	9,833	6,972	2,621	\$66.37	\$76.52	35	\$15.94	\$105.76	\$79.11
35	1	1	54,920	9,610	6,927	2,519	\$56.67	\$62.60	24	\$6.89	\$76.64	\$76.62
36	1	1	55,057	10,085	6,955	2,633	\$52.86	\$56.69	18	\$2.37	\$65.94	\$79.17
37	1	1	54,601	9,610	6,790	2,519	\$52.14	\$55.80	14	\$3.37	\$64.75	\$77.35
38	1	1	54,552	9,832	6,744	2,519	\$49.93	\$52.69	6	\$0.83	\$59.34	\$79.48
39	1	1	54,845	9,817	6,895	2,519	\$53.77	\$57.94	15	\$3.94	\$67.69	\$77.44
40	1	1	55,014	10,085	6,978	2,633	\$53.95	\$58.32	15	\$3.73	\$68.99	\$78.70
41	1	1	54,772	10,556	6,895	3,068	\$68.56	\$80.08	40	\$17.62	\$108.26	\$72.89
42	1	1	54,613	9,610	6,777	2,519	\$50.45	\$53.62	7	\$1.54	\$61.41	\$79.14
43	1	1	54,735	9,610	6,883	2,374	\$51.58	\$54.97	9	\$1.81	\$62.97	\$78.38
44	1	1	54,780	9,610	6,797	2,519	\$52.76	\$57.09	9	\$3.92	\$67.90	\$78.14

45	1	45	55,212	9,817	7,022	2,508	\$55.93	\$60.83	26	\$4.90	\$72.13	\$78.07
46	1	46	54,974	10,199	6,950	2,591	\$55.47	\$60.35	16	\$4.91	\$71.90	\$76.55
47	1	47	55,243	10,025	6,924	3,068	\$75.82	\$89.59	52	\$23.16	\$126.69	\$72.81
48	1	48	54,993	10,444	6,946	2,756	\$64.32	\$73.99	40	\$13.17	\$98.21	\$80.12
49	1	49	55,052	10,556	7,115	2,856	\$74.68	\$89.45	63	\$23.28	\$125.64	\$79.44
50	2	1	54,595	9,604	6,838	2,614	\$56.85	\$62.22	16	\$7.41	\$73.70	\$75.34
51	2	2	54,243	9,610	6,663	2,156	\$48.01	\$50.25	3	\$0.24	\$55.95	\$79.94
52	2	3	54,674	9,909	6,868	2,519	\$52.13	\$55.94	18	\$2.85	\$64.98	\$78.24
53	2	4	54,857	10,085	6,824	2,633	\$56.19	\$61.06	17	\$6.33	\$71.48	\$75.81
54	2	5	54,661	9,610	6,845	2,508	\$53.96	\$58.26	9	\$5.12	\$67.92	\$76.80
55	2	6	54,787	10,085	6,908	2,633	\$53.99	\$58.24	14	\$4.45	\$67.56	\$76.78
56	2	7	54,896	9,499	6,937	2,519	\$56.65	\$62.05	18	\$6.63	\$75.65	\$78.27
57	2	8	55,078	10,444	6,985	2,756	\$57.78	\$64.45	27	\$7.34	\$81.28	\$78.64
58	2	9	54,685	10,556	6,847	2,778	\$61.19	\$70.11	22	\$11.84	\$95.81	\$82.03
59	2	10	55,134	10,556	7,000	2,778	\$54.80	\$59.85	25	\$4.69	\$72.85	\$79.65
60	2	11	54,791	9,548	6,816	2,519	\$50.81	\$53.95	11	\$1.47	\$61.48	\$78.64
61	2	12	54,835	10,199	6,933	2,633	\$62.08	\$71.05	23	\$12.43	\$91.89	\$75.82
62	2	13	54,647	9,610	6,833	2,614	\$51.27	\$54.70	13	\$2.19	\$63.02	\$78.41
63	2	14	54,697	9,610	6,828	2,424	\$54.36	\$59.04	21	\$5.11	\$69.61	\$76.20
64	2	15	54,870	10,085	6,935	2,633	\$52.08	\$55.97	13	\$2.33	\$65.73	\$79.49
65	2	16	55,005	10,085	6,991	2,633	\$55.93	\$61.02	22	\$6.03	\$73.44	\$78.24
66	2	17	54,862	10,085	6,922	2,633	\$51.96	\$55.90	16	\$2.90	\$65.24	\$77.80
67	2	18	54,505	9,610	6,753	2,519	\$51.55	\$55.01	11	\$3.05	\$63.78	\$77.25
68	2	19	54,867	9,610	6,874	2,519	\$52.49	\$56.47	10	\$3.33	\$65.73	\$77.35
69	2	20	54,780	9,610	6,905	2,424	\$51.92	\$55.72	20	\$2.55	\$64.68	\$78.62
70	2	21	55,046	10,444	6,972	2,756	\$59.03	\$66.55	28	\$8.60	\$84.69	\$77.62
71	2	22	54,925	10,556	6,948	2,778	\$55.12	\$61.29	14	\$5.85	\$76.84	\$80.21
72	2	23	54,604	9,610	6,783	2,519	\$57.26	\$63.36	20	\$8.01	\$78.46	\$75.34
73	2	24	54,725	10,085	6,860	2,633	\$54.62	\$59.21	18	\$5.50	\$69.67	\$77.14
74	2	25	54,686	10,085	6,820	2,633	\$52.60	\$56.98	16	\$3.47	\$67.29	\$78.31
75	2	26	54,615	9,610	6,816	2,508	\$51.62	\$55.13	10	\$3.65	\$63.53	\$77.29
76	2	27	54,584	10,444	6,804	2,756	\$57.30	\$64.66	20	\$8.58	\$83.42	\$78.61
77	2	28	55,220	10,230	7,117	3,068	\$65.71	\$75.40	33	\$14.20	\$101.95	\$78.73
78	2	29	54,616	10,556	6,789	2,778	\$59.72	\$67.74	22	\$10.26	\$88.40	\$77.30
79	2	30	54,339	9,610	6,690	2,245	\$49.61	\$52.24	7	\$1.16	\$58.99	\$79.31
80	2	31	54,811	9,499	6,848	2,424	\$57.06	\$62.40	20	\$6.96	\$74.35	\$75.24
81	2	32	55,190	9,610	7,001	2,508	\$52.60	\$56.29	18	\$2.32	\$65.46	\$79.25
82	2	33	54,565	9,445	6,726	2,274	\$51.35	\$54.89	12	\$2.75	\$63.45	\$78.11
83	2	34	54,951	9,833	6,972	2,621	\$69.36	\$80.90	37	\$19.10	\$115.94	\$81.12
84	2	35	54,920	9,610	6,927	2,519	\$56.51	\$62.59	18	\$6.96	\$76.69	\$75.69
85	2	36	55,057	10,085	6,955	2,633	\$56.84	\$62.11	19	\$6.29	\$74.21	\$76.77
86	2	37	54,601	9,610	6,790	2,519	\$49.84	\$52.67	4	\$1.37	\$59.79	\$78.64
87	2	38	54,552	9,832	6,744	2,519	\$49.61	\$52.39	8	\$0.60	\$59.32	\$80.01
88	2	39	54,845	9,817	6,895	2,519	\$53.45	\$57.51	16	\$3.66	\$67.37	\$77.23
89	2	40	55,014	10,085	6,978	2,633	\$52.61	\$56.50	18	\$2.64	\$65.79	\$78.28
90	2	41	54,772	10,556	6,895	3,068	\$76.13	\$91.29	49	\$25.04	\$133.05	\$75.10
91	2	42	54,613	9,610	6,777	2,519	\$49.59	\$52.28	6	\$0.97	\$58.62	\$78.83
92	2	43	54,735	9,610	6,883	2,374	\$54.18	\$58.74	18	\$4.52	\$69.83	\$77.78
93	2	44	54,780	9,610	6,797	2,519	\$56.46	\$62.04	21	\$7.42	\$75.19	\$75.52
94	2	45	55,212	9,817	7,022	2,508	\$57.75	\$63.36	25	\$7.09	\$75.49	\$75.32
95	2	46	54,974	10,199	6,950	2,591	\$57.93	\$64.36	40	\$7.05	\$79.93	\$76.88
96	2	47	55,243	10,025	6,924	3,068	\$96.32	\$119.59	77	\$43.32	\$186.62	\$74.81
97	2	48	54,993	10,444	6,946	2,756	\$65.61	\$76.81	43	\$14.63	\$105.53	\$83.03
98	2	49	55,052	10,556	7,115	2,856	\$68.63	\$81.36	60	\$17.37	\$112.23	\$82.81
99	3	1	54,595	9,604	6,838	2,614	\$49.68	\$52.26	9	\$0.36	\$58.65	\$79.64

100	3	2	54,243	9,610	6,663	2,156	\$50.54	\$53.34	7	\$2.52	\$61.34	\$79.22
101	3	3	54,674	9,909	6,868	2,519	\$55.94	\$61.97	21	\$6.51	\$76.63	\$77.55
102	3	4	54,857	10,085	6,824	2,633	\$53.22	\$57.49	15	\$3.29	\$68.26	\$78.94
103	3	5	54,661	9,610	6,845	2,508	\$49.78	\$52.57	9	\$0.78	\$59.61	\$79.55
104	3	6	54,787	10,085	6,908	2,633	\$49.60	\$52.30	3	\$0.67	\$58.78	\$79.08
105	3	7	54,896	9,499	6,937	2,519	\$51.01	\$54.10	8	\$0.98	\$61.45	\$79.25
106	3	8	55,078	10,444	6,985	2,756	\$54.64	\$59.71	15	\$4.52	\$72.79	\$79.35
107	3	9	54,685	10,556	6,847	2,778	\$66.42	\$78.31	24	\$17.03	\$111.71	\$81.00
108	3	10	55,134	10,556	7,000	2,778	\$58.78	\$66.43	19	\$8.73	\$86.18	\$80.65
109	3	11	54,791	9,548	6,816	2,519	\$51.05	\$54.35	11	\$1.62	\$62.78	\$79.39
110	3	12	54,835	10,199	6,933	2,633	\$56.98	\$62.98	28	\$6.63	\$77.57	\$77.11
111	3	13	54,647	9,610	6,833	2,614	\$49.65	\$52.40	6	\$0.76	\$59.16	\$79.22
112	3	14	54,697	9,610	6,828	2,424	\$49.89	\$52.63	10	\$0.97	\$59.22	\$78.98
113	3	15	54,870	10,085	6,935	2,633	\$54.80	\$59.95	21	\$5.11	\$72.37	\$77.94
114	3	16	55,005	10,085	6,991	2,633	\$52.44	\$56.33	13	\$2.57	\$65.41	\$78.13
115	3	17	54,862	10,085	6,922	2,633	\$57.60	\$64.24	24	\$8.19	\$80.57	\$75.98
116	3	18	54,505	9,610	6,753	2,519	\$51.81	\$55.48	10	\$3.45	\$64.56	\$76.75
117	3	19	54,867	9,610	6,874	2,519	\$51.08	\$54.30	11	\$1.67	\$62.16	\$78.78
118	3	20	54,780	9,610	6,905	2,424	\$52.47	\$56.51	13	\$2.97	\$65.79	\$77.89
119	3	21	55,046	10,444	6,972	2,756	\$60.33	\$68.44	32	\$9.77	\$88.24	\$78.09
120	3	22	54,925	10,556	6,948	2,778	\$53.85	\$58.56	16	\$4.06	\$70.05	\$78.33
121	3	23	54,604	9,610	6,783	2,519	\$61.58	\$69.60	25	\$12.20	\$89.24	\$71.89
122	3	24	54,725	10,085	6,860	2,633	\$49.97	\$52.83	10	\$1.06	\$59.81	\$79.23
123	3	25	54,686	10,085	6,820	2,633	\$51.70	\$55.46	13	\$2.27	\$64.82	\$79.44
124	3	26	54,615	9,610	6,816	2,508	\$51.11	\$54.76	14	\$2.87	\$63.73	\$77.97
125	3	27	54,584	10,444	6,804	2,756	\$55.06	\$61.46	12	\$6.39	\$78.68	\$80.90
126	3	28	55,220	10,230	7,117	3,068	\$68.78	\$81.04	37	\$16.86	\$114.07	\$81.71
127	3	29	54,616	10,556	6,789	2,778	\$54.53	\$60.23	9	\$5.26	\$75.83	\$81.25
128	3	30	54,339	9,610	6,690	2,245	\$49.63	\$52.33	9	\$1.23	\$59.31	\$79.40
129	3	31	54,811	9,499	6,848	2,424	\$52.45	\$56.10	12	\$2.27	\$64.84	\$78.61
130	3	32	55,190	9,610	7,001	2,508	\$56.52	\$62.34	29	\$6.32	\$77.08	\$77.66
131	3	33	54,565	9,445	6,726	2,274	\$49.62	\$52.44	6	\$0.97	\$59.16	\$79.10
132	3	34	54,951	9,833	6,972	2,621	\$73.48	\$87.20	40	\$22.96	\$126.85	\$78.52
133	3	35	54,920	9,610	6,927	2,519	\$52.72	\$56.80	14	\$3.24	\$66.50	\$77.92
134	3	36	55,057	10,085	6,955	2,633	\$53.46	\$57.56	20	\$2.98	\$67.73	\$78.83
135	3	37	54,601	9,610	6,790	2,519	\$49.05	\$51.60	8	\$0.44	\$57.98	\$79.53
136	3	38	54,552	9,832	6,744	2,519	\$55.44	\$61.09	20	\$6.22	\$75.35	\$78.12
137	3	39	54,845	9,817	6,895	2,519	\$51.94	\$55.60	15	\$2.42	\$64.54	\$78.83
138	3	40	55,014	10,085	6,978	2,633	\$56.15	\$61.67	22	\$6.07	\$74.61	\$75.72
139	3	41	54,772	10,556	6,895	3,068	\$86.42	\$107.22	63	\$35.04	\$163.65	\$74.10
140	3	42	54,613	9,610	6,777	2,519	\$53.16	\$57.64	11	\$4.20	\$68.93	\$78.02
141	3	43	54,735	9,610	6,883	2,374	\$51.24	\$54.61	14	\$1.45	\$62.93	\$79.35
142	3	44	54,780	9,610	6,797	2,519	\$50.84	\$54.33	17	\$2.03	\$62.78	\$78.69
143	3	45	55,212	9,817	7,022	2,508	\$55.88	\$61.04	17	\$5.19	\$73.40	\$76.67
144	3	46	54,974	10,199	6,950	2,591	\$59.58	\$66.95	32	\$9.10	\$84.80	\$75.63
145	3	47	55,243	10,025	6,924	3,068	\$81.69	\$98.45	71	\$28.87	\$145.62	\$76.95
146	3	48	54,993	10,444	6,946	2,756	\$69.15	\$81.97	40	\$18.29	\$114.90	\$81.21
147	3	49	55,052	10,556	7,115	2,856	\$71.54	\$85.41	57	\$20.12	\$119.17	\$81.61
148	4	1	54,595	9,604	6,838	2,614	\$50.97	\$54.07	12	\$1.47	\$61.30	\$78.87
149	4	2	54,243	9,610	6,663	2,156	\$48.08	\$50.28	2	\$0.15	\$55.81	\$79.87
150	4	3	54,674	9,909	6,868	2,519	\$50.48	\$53.76	9	\$1.35	\$61.64	\$79.29
151	4	4	54,857	10,085	6,824	2,633	\$50.72	\$53.74	12	\$0.90	\$60.76	\$79.40
152	4	5	54,661	9,610	6,845	2,508	\$49.07	\$51.56	6	\$0.21	\$57.74	\$79.66
153	4	6	54,787	10,085	6,908	2,633	\$51.21	\$54.41	6	\$1.74	\$61.74	\$77.90
154	4	7	54,896	9,499	6,937	2,519	\$54.03	\$58.31	16	\$3.99	\$68.70	\$78.10

155	4	8	55,078	10,444	6,985	2,756	\$74.75	\$92.89	16	\$24.57	\$139.09	\$82.02
156	4	9	54,685	10,556	6,847	2,778	\$59.55	\$67.89	22	\$10.11	\$91.27	\$81.61
157	4	10	55,134	10,556	7,000	2,778	\$57.96	\$64.66	30	\$7.56	\$80.43	\$78.06
158	4	11	54,791	9,548	6,816	2,519	\$51.27	\$54.58	11	\$1.80	\$62.40	\$78.59
159	4	12	54,835	10,199	6,933	2,633	\$57.02	\$63.45	20	\$7.10	\$79.43	\$77.74
160	4	13	54,647	9,610	6,833	2,614	\$53.20	\$57.59	15	\$3.90	\$68.76	\$78.30
161	4	14	54,697	9,610	6,828	2,424	\$50.79	\$53.77	8	\$1.73	\$60.55	\$78.02
162	4	15	54,870	10,085	6,935	2,633	\$53.54	\$58.05	17	\$3.81	\$68.56	\$77.44
163	4	16	55,005	10,085	6,991	2,633	\$53.56	\$57.98	16	\$3.92	\$68.73	\$80.19
164	4	17	54,862	10,085	6,922	2,633	\$54.55	\$59.83	8	\$5.49	\$72.80	\$77.11
165	4	18	54,505	9,610	6,753	2,519	\$49.13	\$51.67	6	\$0.64	\$57.98	\$79.14
166	4	19	54,867	9,610	6,874	2,519	\$53.27	\$56.98	20	\$3.45	\$65.20	\$77.33
167	4	20	54,780	9,610	6,905	2,424	\$55.05	\$60.37	14	\$5.77	\$72.45	\$76.62
168	4	21	55,046	10,444	6,972	2,756	\$61.62	\$70.70	32	\$11.01	\$93.27	\$79.04
169	4	22	54,925	10,556	6,948	2,778	\$53.50	\$58.35	18	\$3.78	\$70.63	\$79.80
170	4	23	54,604	9,610	6,783	2,519	\$59.18	\$66.15	18	\$9.76	\$82.98	\$73.18
171	4	24	54,725	10,085	6,860	2,633	\$50.05	\$52.95	6	\$1.11	\$59.77	\$78.41
172	4	25	54,686	10,085	6,820	2,633	\$54.11	\$59.23	10	\$4.97	\$71.14	\$77.35
173	4	26	54,615	9,610	6,816	2,508	\$48.59	\$51.10	9	\$0.65	\$57.19	\$78.89
174	4	27	54,584	10,444	6,804	2,756	\$53.51	\$59.10	13	\$4.91	\$73.82	\$80.91
175	4	28	55,220	10,230	7,117	3,068	\$61.96	\$69.82	34	\$10.32	\$92.45	\$81.09
176	4	29	54,616	10,556	6,789	2,778	\$60.10	\$68.66	21	\$10.27	\$90.58	\$79.59
177	4	30	54,339	9,610	6,690	2,245	\$52.62	\$56.33	12	\$4.00	\$65.58	\$77.54
178	4	31	54,811	9,499	6,848	2,424	\$51.80	\$55.11	15	\$1.60	\$62.89	\$78.79
179	4	32	55,190	9,610	7,001	2,508	\$52.83	\$56.90	20	\$2.67	\$66.80	\$78.63
180	4	33	54,565	9,445	6,726	2,274	\$53.13	\$57.64	10	\$4.31	\$69.49	\$78.48
181	4	34	54,951	9,833	6,972	2,621	\$74.86	\$88.97	43	\$24.42	\$128.87	\$75.90
182	4	35	54,920	9,610	6,927	2,519	\$52.32	\$56.30	15	\$2.77	\$65.71	\$78.26
183	4	36	55,057	10,085	6,955	2,633	\$51.46	\$54.56	13	\$1.01	\$61.77	\$79.09
184	4	37	54,601	9,610	6,790	2,519	\$50.50	\$53.54	7	\$1.70	\$60.76	\$78.49
185	4	38	54,552	9,832	6,744	2,519	\$51.78	\$55.64	11	\$2.74	\$65.04	\$79.18
186	4	39	54,845	9,817	6,895	2,519	\$51.96	\$55.59	16	\$2.29	\$64.14	\$78.32
187	4	40	55,014	10,085	6,978	2,633	\$53.87	\$58.43	24	\$3.63	\$69.41	\$78.61
188	4	41	54,772	10,556	6,895	3,068	\$77.14	\$92.60	56	\$25.88	\$135.55	\$75.95
189	4	42	54,613	9,610	6,777	2,519	\$49.75	\$52.56	7	\$0.82	\$59.15	\$79.13
190	4	43	54,735	9,610	6,883	2,374	\$53.77	\$57.99	17	\$3.66	\$67.81	\$77.17
191	4	44	54,780	9,610	6,797	2,519	\$54.10	\$59.05	17	\$4.86	\$71.74	\$78.15
192	4	45	55,212	9,817	7,022	2,508	\$54.54	\$58.99	24	\$3.59	\$69.28	\$77.92
193	4	46	54,974	10,199	6,950	2,591	\$55.71	\$61.27	24	\$5.18	\$75.00	\$78.09
194	4	47	55,243	10,025	6,924	3,068	\$74.41	\$87.48	51	\$21.63	\$125.38	\$76.38
195	4	48	54,993	10,444	6,946	2,756	\$68.55	\$80.53	38	\$17.50	\$110.71	\$79.17
196	4	49	55,052	10,556	7,115	2,856	\$65.93	\$77.05	53	\$14.69	\$104.33	\$82.62
197	5	1	54,595	9,604	6,838	2,614	\$50.75	\$53.70	7	\$1.25	\$60.86	\$79.03
198	5	2	54,243	9,610	6,663	2,156	\$49.80	\$52.54	6	\$1.54	\$59.73	\$79.93
199	5	3	54,674	9,909	6,868	2,519	\$53.85	\$58.72	13	\$4.22	\$70.68	\$78.48
200	5	4	54,857	10,085	6,824	2,633	\$54.99	\$59.82	20	\$4.89	\$71.85	\$77.79
201	5	5	54,661	9,610	6,845	2,508	\$51.40	\$54.74	12	\$2.08	\$63.08	\$78.98
202	5	6	54,787	10,085	6,908	2,633	\$50.34	\$53.17	10	\$0.77	\$59.66	\$78.90
203	5	7	54,896	9,499	6,937	2,519	\$52.67	\$56.35	15	\$2.34	\$65.51	\$79.14
204	5	8	55,078	10,444	6,985	2,756	\$56.19	\$61.85	24	\$5.94	\$76.90	\$79.89
205	5	9	54,685	10,556	6,847	2,778	\$58.15	\$65.18	20	\$8.55	\$84.84	\$80.30
206	5	10	55,134	10,556	7,000	2,778	\$57.16	\$63.87	19	\$7.09	\$80.56	\$79.93
207	5	11	54,791	9,548	6,816	2,519	\$51.91	\$55.26	9	\$2.28	\$63.21	\$77.90
208	5	12	54,835	10,199	6,933	2,633	\$61.15	\$69.01	33	\$10.58	\$88.10	\$75.02
209	5	13	54,647	9,610	6,833	2,614	\$51.91	\$55.55	8	\$2.67	\$64.23	\$78.17

210	5	14	54,697	9,610	6,828	2,424	\$55.52	\$60.45	19	\$5.87	\$71.96	\$75.98
211	5	15	54,870	10,085	6,935	2,633	\$52.03	\$55.70	15	\$2.19	\$64.80	\$79.34
212	5	16	55,005	10,085	6,991	2,633	\$53.04	\$57.01	15	\$2.77	\$66.94	\$79.33
213	5	17	54,862	10,085	6,922	2,633	\$51.37	\$54.73	13	\$1.86	\$62.70	\$78.20
214	5	18	54,505	9,610	6,753	2,519	\$51.42	\$54.96	8	\$2.65	\$64.16	\$78.44
215	5	19	54,867	9,610	6,874	2,519	\$50.56	\$53.49	8	\$1.09	\$60.22	\$78.62
216	5	20	54,780	9,610	6,905	2,424	\$57.41	\$63.45	19	\$7.75	\$77.02	\$75.13
217	5	21	55,046	10,444	6,972	2,756	\$65.15	\$75.80	34	\$14.38	\$102.10	\$79.50
218	5	22	54,925	10,556	6,948	2,778	\$51.74	\$55.54	8	\$1.95	\$64.90	\$79.98
219	5	23	54,604	9,610	6,783	2,519	\$59.80	\$66.70	19	\$10.34	\$83.76	\$72.85
220	5	24	54,725	10,085	6,860	2,633	\$51.10	\$54.32	11	\$2.00	\$61.88	\$78.48
221	5	25	54,686	10,085	6,820	2,633	\$52.18	\$55.79	16	\$2.42	\$64.99	\$79.31
222	5	26	54,615	9,610	6,816	2,508	\$49.98	\$52.95	8	\$1.48	\$60.70	\$79.35
223	5	27	54,584	10,444	6,804	2,756	\$62.88	\$72.78	19	\$13.85	\$97.32	\$75.32
224	5	28	55,220	10,230	7,117	3,068	\$68.62	\$79.46	36	\$16.64	\$109.10	\$81.40
225	5	29	54,616	10,556	6,789	2,778	\$55.32	\$61.50	9	\$5.80	\$77.72	\$80.74
226	5	30	54,339	9,610	6,690	2,245	\$49.49	\$51.99	3	\$0.96	\$58.02	\$79.01
227	5	31	54,811	9,499	6,848	2,424	\$55.28	\$60.02	25	\$4.76	\$70.73	\$76.25
228	5	32	55,190	9,610	7,001	2,508	\$52.95	\$56.86	23	\$2.55	\$66.60	\$79.43
229	5	33	54,565	9,445	6,726	2,274	\$50.51	\$53.54	10	\$1.62	\$60.60	\$78.76
230	5	34	54,951	9,833	6,972	2,621	\$73.65	\$87.42	37	\$22.82	\$127.32	\$78.99
231	5	35	54,920	9,610	6,927	2,519	\$52.64	\$56.37	11	\$2.82	\$65.23	\$78.38
232	5	36	55,057	10,085	6,955	2,633	\$53.41	\$57.26	19	\$2.49	\$66.27	\$78.70
233	5	37	54,601	9,610	6,790	2,519	\$50.16	\$52.92	7	\$1.13	\$59.56	\$78.72
234	5	38	54,552	9,832	6,744	2,519	\$50.34	\$53.29	11	\$1.09	\$60.55	\$79.83
235	5	39	54,845	9,817	6,895	2,519	\$52.67	\$56.51	10	\$2.67	\$65.73	\$78.49
236	5	40	55,014	10,085	6,978	2,633	\$56.57	\$62.00	21	\$6.01	\$74.84	\$76.15
237	5	41	54,772	10,556	6,895	3,068	\$72.35	\$85.13	53	\$21.02	\$119.64	\$74.18
238	5	42	54,613	9,610	6,777	2,519	\$51.59	\$55.16	11	\$2.36	\$64.25	\$78.92
239	5	43	54,735	9,610	6,883	2,374	\$53.64	\$57.74	14	\$3.37	\$67.48	\$77.73
240	5	44	54,780	9,610	6,797	2,519	\$54.88	\$59.77	14	\$5.85	\$71.35	\$75.21
241	5	45	55,212	9,817	7,022	2,508	\$59.45	\$65.99	26	\$8.44	\$81.24	\$74.82
242	5	46	54,974	10,199	6,950	2,591	\$55.14	\$60.51	16	\$4.55	\$73.68	\$79.19
243	5	47	55,243	10,025	6,924	3,068	\$87.24	\$106.15	64	\$34.41	\$160.42	\$74.62
244	5	48	54,993	10,444	6,946	2,756	\$69.58	\$83.54	36	\$18.53	\$119.55	\$82.94
245	5	49	55,052	10,556	7,115	2,856	\$71.87	\$85.23	57	\$20.29	\$116.72	\$78.53
246	6	1	54,595	9,604	6,838	2,614	\$49.58	\$52.18	10	\$0.36	\$58.57	\$79.64
247	6	2	54,243	9,610	6,663	2,156	\$49.02	\$51.37	5	\$1.02	\$57.59	\$79.67
248	6	3	54,674	9,909	6,868	2,519	\$50.19	\$53.30	15	\$1.13	\$60.71	\$79.13
249	6	4	54,857	10,085	6,824	2,633	\$52.30	\$55.47	12	\$2.71	\$63.84	\$78.86
250	6	5	54,661	9,610	6,845	2,508	\$49.40	\$52.13	11	\$0.49	\$58.91	\$79.79
251	6	6	54,787	10,085	6,908	2,633	\$50.34	\$53.46	12	\$1.07	\$60.77	\$79.08
252	6	7	54,896	9,499	6,937	2,519	\$51.33	\$54.60	13	\$1.11	\$62.54	\$79.50
253	6	8	55,078	10,444	6,985	2,756	\$55.21	\$60.78	15	\$5.18	\$74.68	\$79.16
254	6	9	54,685	10,556	6,847	2,778	\$60.75	\$69.96	23	\$11.50	\$95.68	\$81.60
255	6	10	55,134	10,556	7,000	2,778	\$52.52	\$56.75	14	\$2.62	\$67.01	\$79.53
256	6	11	54,791	9,548	6,816	2,519	\$51.50	\$54.97	10	\$2.24	\$63.34	\$78.17
257	6	12	54,835	10,199	6,933	2,633	\$54.23	\$59.14	21	\$4.66	\$71.00	\$77.40
258	6	13	54,647	9,610	6,833	2,614	\$50.41	\$53.49	11	\$1.69	\$60.89	\$78.37
259	6	14	54,697	9,610	6,828	2,424	\$50.81	\$53.63	10	\$1.77	\$60.86	\$78.94
260	6	15	54,870	10,085	6,935	2,633	\$52.16	\$56.18	20	\$2.68	\$66.25	\$79.45
261	6	16	55,005	10,085	6,991	2,633	\$49.72	\$52.33	5	\$0.24	\$58.54	\$79.21
262	6	17	54,862	10,085	6,922	2,633	\$52.10	\$56.12	14	\$3.05	\$65.60	\$77.69
263	6	18	54,505	9,610	6,753	2,519	\$50.15	\$53.20	16	\$1.55	\$60.88	\$78.97
264	6	19	54,867	9,610	6,874	2,519	\$49.50	\$52.10	7	\$0.34	\$58.17	\$79.13

265	6	20	54,780	9,610	6,905	2,424	\$51.38	\$54.88	18	\$1.80	\$63.29	\$78.90
266	6	21	55,046	10,444	6,972	2,756	\$58.09	\$65.20	33	\$7.68	\$82.73	\$78.21
267	6	22	54,925	10,556	6,948	2,778	\$52.49	\$56.91	19	\$3.04	\$68.01	\$79.99
268	6	23	54,604	9,610	6,783	2,519	\$53.70	\$58.33	20	\$4.63	\$69.55	\$77.01
269	6	24	54,725	10,085	6,860	2,633	\$49.66	\$52.48	9	\$0.88	\$59.21	\$79.24
270	6	25	54,686	10,085	6,820	2,633	\$50.28	\$53.38	8	\$1.23	\$61.09	\$79.74
271	6	26	54,615	9,610	6,816	2,508	\$48.36	\$50.76	7	\$0.38	\$56.67	\$79.22
272	6	27	54,584	10,444	6,804	2,756	\$54.53	\$60.61	15	\$5.99	\$75.93	\$79.31
273	6	28	55,220	10,230	7,117	3,068	\$58.31	\$64.21	26	\$6.84	\$78.38	\$76.23
274	6	29	54,616	10,556	6,789	2,778	\$58.87	\$67.10	11	\$9.77	\$88.64	\$79.47
275	6	30	54,339	9,610	6,690	2,245	\$49.63	\$52.42	13	\$1.13	\$59.56	\$79.60
276	6	31	54,811	9,499	6,848	2,424	\$58.55	\$64.57	23	\$8.49	\$79.11	\$73.52
277	6	32	55,190	9,610	7,001	2,508	\$52.57	\$56.06	14	\$2.92	\$64.94	\$78.22
278	6	33	54,565	9,445	6,726	2,274	\$50.08	\$52.88	9	\$1.47	\$59.92	\$79.18
279	6	34	54,951	9,833	6,972	2,621	\$69.47	\$81.04	39	\$19.12	\$112.87	\$75.37
280	6	35	54,920	9,610	6,927	2,519	\$53.90	\$58.77	21	\$4.53	\$70.30	\$77.65
281	6	36	55,057	10,085	6,955	2,633	\$51.28	\$54.45	15	\$0.93	\$61.91	\$79.48
282	6	37	54,601	9,610	6,790	2,519	\$50.70	\$53.63	12	\$1.87	\$61.27	\$79.04
283	6	38	54,552	9,832	6,744	2,519	\$49.57	\$52.35	9	\$0.77	\$59.24	\$79.85
284	6	39	54,845	9,817	6,895	2,519	\$52.88	\$56.89	17	\$3.20	\$66.47	\$77.91
285	6	40	55,014	10,085	6,978	2,633	\$51.63	\$55.18	14	\$1.87	\$63.09	\$77.86
286	6	41	54,772	10,556	6,895	3,068	\$65.14	\$74.45	41	\$14.22	\$98.40	\$75.06
287	6	42	54,613	9,610	6,777	2,519	\$49.60	\$52.37	5	\$0.64	\$59.15	\$79.58
288	6	43	54,735	9,610	6,883	2,374	\$54.12	\$58.36	22	\$4.18	\$68.02	\$76.64
289	6	44	54,780	9,610	6,797	2,519	\$51.17	\$54.91	11	\$2.55	\$64.07	\$78.49
290	6	45	55,212	9,817	7,022	2,508	\$51.81	\$55.32	15	\$1.46	\$63.54	\$78.90
291	6	46	54,974	10,199	6,950	2,591	\$52.71	\$57.00	15	\$2.62	\$67.27	\$79.19
292	6	47	55,243	10,025	6,924	3,068	\$86.71	\$105.35	59	\$34.16	\$156.63	\$71.34
293	6	48	54,993	10,444	6,946	2,756	\$61.44	\$70.26	39	\$10.83	\$92.71	\$81.50
294	6	49	55,052	10,556	7,115	2,856	\$65.15	\$75.59	47	\$14.07	\$101.13	\$80.43
295	7	1	54,595	9,604	6,838	2,614	\$56.40	\$62.06	19	\$6.70	\$75.51	\$76.84
296	7	2	54,243	9,610	6,663	2,156	\$50.56	\$53.70	9	\$2.18	\$61.81	\$78.66
297	7	3	54,674	9,909	6,868	2,519	\$54.85	\$60.26	23	\$5.30	\$72.98	\$77.38
298	7	4	54,857	10,085	6,824	2,633	\$51.53	\$54.88	14	\$1.43	\$63.03	\$79.43
299	7	5	54,661	9,610	6,845	2,508	\$54.07	\$58.89	19	\$4.66	\$70.99	\$77.86
300	7	6	54,787	10,085	6,908	2,633	\$51.33	\$54.68	12	\$1.83	\$62.63	\$78.43
301	7	7	54,896	9,499	6,937	2,519	\$57.49	\$63.30	15	\$7.17	\$78.21	\$76.10
302	7	8	55,078	10,444	6,985	2,756	\$57.84	\$64.64	25	\$7.27	\$81.99	\$79.09
303	7	9	54,685	10,556	6,847	2,778	\$59.28	\$67.33	22	\$9.59	\$89.43	\$81.04
304	7	10	55,134	10,556	7,000	2,778	\$55.70	\$61.17	25	\$5.21	\$74.41	\$78.66
305	7	11	54,791	9,548	6,816	2,519	\$54.21	\$58.44	18	\$4.22	\$68.52	\$76.31
306	7	12	54,835	10,199	6,933	2,633	\$59.23	\$66.18	29	\$9.04	\$82.83	\$74.90
307	7	13	54,647	9,610	6,833	2,614	\$50.54	\$53.56	7	\$1.20	\$60.77	\$78.83
308	7	14	54,697	9,610	6,828	2,424	\$58.28	\$64.92	27	\$8.60	\$80.31	\$75.36
309	7	15	54,870	10,085	6,935	2,633	\$54.02	\$58.63	22	\$3.96	\$69.69	\$77.96
310	7	16	55,005	10,085	6,991	2,633	\$54.00	\$58.61	16	\$4.14	\$69.77	\$77.92
311	7	17	54,862	10,085	6,922	2,633	\$54.13	\$58.88	17	\$4.38	\$70.31	\$77.39
312	7	18	54,505	9,610	6,753	2,519	\$49.43	\$51.98	5	\$0.78	\$58.33	\$78.92
313	7	19	54,867	9,610	6,874	2,519	\$53.04	\$57.04	16	\$3.41	\$66.56	\$77.38
314	7	20	54,780	9,610	6,905	2,424	\$55.55	\$60.83	21	\$5.67	\$74.12	\$77.67
315	7	21	55,046	10,444	6,972	2,756	\$63.62	\$73.62	30	\$13.10	\$99.87	\$78.53
316	7	22	54,925	10,556	6,948	2,778	\$57.25	\$64.46	15	\$7.51	\$82.90	\$80.79
317	7	23	54,604	9,610	6,783	2,519	\$53.99	\$58.54	19	\$4.53	\$69.55	\$76.83
318	7	24	54,725	10,085	6,860	2,633	\$52.50	\$56.26	12	\$3.28	\$64.98	\$77.47
319	7	25	54,686	10,085	6,820	2,633	\$51.14	\$54.51	9	\$1.79	\$62.75	\$79.25

320	7	26	54,615	9,610	6,816	2,508	\$49.53	\$52.38	11	\$1.28	\$59.35	\$78.67
321	7	27	54,584	10,444	6,804	2,756	\$54.95	\$60.71	22	\$5.83	\$75.34	\$79.41
322	7	28	55,220	10,230	7,117	3,068	\$76.97	\$92.02	54	\$24.81	\$131.52	\$76.17
323	7	29	54,616	10,556	6,789	2,778	\$54.26	\$59.21	18	\$4.41	\$71.66	\$78.69
324	7	30	54,339	9,610	6,690	2,245	\$53.74	\$57.87	16	\$4.91	\$68.29	\$76.94
325	7	31	54,811	9,499	6,848	2,424	\$60.86	\$67.94	26	\$10.45	\$84.27	\$71.59
326	7	32	55,190	9,610	7,001	2,508	\$53.95	\$58.36	22	\$3.56	\$68.87	\$77.95
327	7	33	54,565	9,445	6,726	2,274	\$50.59	\$53.71	10	\$1.61	\$61.09	\$78.49
328	7	34	54,951	9,833	6,972	2,621	\$62.62	\$71.19	28	\$12.09	\$94.74	\$78.18
329	7	35	54,920	9,610	6,927	2,519	\$57.80	\$64.14	21	\$8.00	\$79.23	\$74.78
330	7	36	55,057	10,085	6,955	2,633	\$52.05	\$55.34	16	\$1.24	\$63.17	\$79.14
331	7	37	54,601	9,610	6,790	2,519	\$51.36	\$54.80	13	\$2.31	\$63.37	\$78.17
332	7	38	54,552	9,832	6,744	2,519	\$50.80	\$54.00	15	\$1.43	\$61.87	\$79.47
333	7	39	54,845	9,817	6,895	2,519	\$54.59	\$59.17	22	\$4.51	\$70.32	\$77.36
334	7	40	55,014	10,085	6,978	2,633	\$53.96	\$58.41	18	\$3.72	\$68.86	\$77.19
335	7	41	54,772	10,556	6,895	3,068	\$76.66	\$92.67	55	\$25.22	\$138.17	\$79.88
336	7	42	54,613	9,610	6,777	2,519	\$49.68	\$52.29	11	\$0.43	\$58.59	\$79.43
337	7	43	54,735	9,610	6,883	2,374	\$54.62	\$59.06	17	\$4.45	\$69.63	\$75.89
338	7	44	54,780	9,610	6,797	2,519	\$53.17	\$57.62	17	\$4.15	\$68.45	\$77.20
339	7	45	55,212	9,817	7,022	2,508	\$53.63	\$57.64	19	\$2.42	\$66.99	\$78.17
340	7	46	54,974	10,199	6,950	2,591	\$57.86	\$64.51	26	\$7.27	\$80.62	\$77.31
341	7	47	55,243	10,025	6,924	3,068	\$86.10	\$104.60	69	\$32.96	\$156.29	\$73.19
342	7	48	54,993	10,444	6,946	2,756	\$74.48	\$89.18	41	\$23.24	\$126.28	\$77.68
343	7	49	55,052	10,556	7,115	2,856	\$72.41	\$86.30	63	\$20.94	\$119.50	\$78.98
344	8	1	54,595	9,604	6,838	2,614	\$49.45	\$52.03	7	\$0.49	\$58.49	\$79.62
345	8	2	54,243	9,610	6,663	2,156	\$47.91	\$50.11	2	\$0.13	\$55.73	\$80.09
346	8	3	54,674	9,909	6,868	2,519	\$50.24	\$53.31	9	\$1.39	\$60.63	\$79.25
347	8	4	54,857	10,085	6,824	2,633	\$50.21	\$53.09	9	\$0.74	\$60.07	\$79.48
348	8	5	54,661	9,610	6,845	2,508	\$49.53	\$52.10	4	\$0.93	\$58.60	\$79.41
349	8	6	54,787	10,085	6,908	2,633	\$49.19	\$51.73	5	\$0.16	\$57.74	\$79.24
350	8	7	54,896	9,499	6,937	2,519	\$49.70	\$52.25	4	\$0.10	\$58.46	\$79.48
351	8	8	55,078	10,444	6,985	2,756	\$53.73	\$58.49	13	\$3.86	\$71.12	\$80.11
352	8	9	54,685	10,556	6,847	2,778	\$64.09	\$74.04	21	\$14.93	\$103.41	\$81.30
353	8	10	55,134	10,556	7,000	2,778	\$61.08	\$69.58	23	\$11.07	\$91.32	\$77.91
354	8	11	54,791	9,548	6,816	2,519	\$50.87	\$54.03	7	\$1.77	\$61.53	\$78.19
355	8	12	54,835	10,199	6,933	2,633	\$57.51	\$63.76	25	\$7.79	\$78.73	\$75.72
356	8	13	54,647	9,610	6,833	2,614	\$49.21	\$51.78	3	\$0.47	\$58.01	\$79.14
357	8	14	54,697	9,610	6,828	2,424	\$49.43	\$52.04	5	\$0.67	\$58.25	\$79.18
358	8	15	54,870	10,085	6,935	2,633	\$52.33	\$56.62	10	\$3.18	\$68.03	\$79.84
359	8	16	55,005	10,085	6,991	2,633	\$51.79	\$55.17	14	\$2.15	\$63.69	\$79.26
360	8	17	54,862	10,085	6,922	2,633	\$54.45	\$59.64	13	\$5.50	\$72.27	\$76.77
361	8	18	54,505	9,610	6,753	2,519	\$49.98	\$52.67	7	\$1.65	\$59.65	\$78.44
362	8	19	54,867	9,610	6,874	2,519	\$49.23	\$51.73	7	\$0.27	\$57.69	\$79.24
363	8	20	54,780	9,610	6,905	2,424	\$50.28	\$53.44	8	\$1.22	\$60.78	\$78.78
364	8	21	55,046	10,444	6,972	2,756	\$57.18	\$64.10	19	\$7.10	\$82.00	\$79.89
365	8	22	54,925	10,556	6,948	2,778	\$53.94	\$59.14	14	\$4.44	\$71.84	\$79.43
366	8	23	54,604	9,610	6,783	2,519	\$55.45	\$60.60	22	\$6.35	\$73.40	\$75.85
367	8	24	54,725	10,085	6,860	2,633	\$48.74	\$51.26	3	\$0.34	\$57.31	\$79.31
368	8	25	54,686	10,085	6,820	2,633	\$52.23	\$56.08	14	\$3.00	\$65.64	\$78.95
369	8	26	54,615	9,610	6,816	2,508	\$48.48	\$50.97	6	\$0.63	\$57.39	\$79.40
370	8	27	54,584	10,444	6,804	2,756	\$53.63	\$59.01	12	\$5.11	\$72.99	\$80.27
371	8	28	55,220	10,230	7,117	3,068	\$63.14	\$71.91	28	\$11.76	\$94.10	\$78.42
372	8	29	54,616	10,556	6,789	2,778	\$58.30	\$65.00	23	\$8.95	\$81.85	\$76.11
373	8	30	54,339	9,610	6,690	2,245	\$50.97	\$54.16	10	\$2.53	\$62.17	\$78.25
374	8	31	54,811	9,499	6,848	2,424	\$55.04	\$59.64	20	\$5.17	\$70.01	\$76.15

375	8	32	55,190	9,610	7,001	2,508	\$50.00	\$52.87	6	\$0.65	\$59.98	\$79.29
376	8	33	54,565	9,445	6,726	2,274	\$49.98	\$52.83	8	\$1.32	\$59.72	\$79.30
377	8	34	54,951	9,833	6,972	2,621	\$76.29	\$91.64	40	\$26.13	\$134.98	\$77.06
378	8	35	54,920	9,610	6,927	2,519	\$54.12	\$58.92	14	\$4.91	\$70.45	\$77.64
379	8	36	55,057	10,085	6,955	2,633	\$50.56	\$53.43	6	\$0.50	\$60.26	\$79.24
380	8	37	54,601	9,610	6,790	2,519	\$49.34	\$52.03	5	\$0.66	\$58.59	\$79.12
381	8	38	54,552	9,832	6,744	2,519	\$53.04	\$57.19	10	\$4.07	\$67.20	\$78.36
382	8	39	54,845	9,817	6,895	2,519	\$51.65	\$55.09	11	\$2.27	\$63.15	\$78.25
383	8	40	55,014	10,085	6,978	2,633	\$53.89	\$58.26	13	\$4.06	\$68.54	\$77.12
384	8	41	54,772	10,556	6,895	3,068	\$66.78	\$78.14	41	\$16.18	\$106.31	\$74.76
385	8	42	54,613	9,610	6,777	2,519	\$49.50	\$52.27	6	\$0.84	\$59.10	\$79.28
386	8	43	54,735	9,610	6,883	2,374	\$55.03	\$59.84	16	\$5.28	\$71.29	\$75.48
387	8	44	54,780	9,610	6,797	2,519	\$49.51	\$52.54	15	\$0.96	\$59.78	\$79.35
388	8	45	55,212	9,817	7,022	2,508	\$55.66	\$60.75	20	\$5.17	\$72.53	\$76.00
389	8	46	54,974	10,199	6,950	2,591	\$53.33	\$57.59	11	\$3.25	\$67.66	\$77.47
390	8	47	55,243	10,025	6,924	3,068	\$74.39	\$87.97	61	\$21.76	\$125.70	\$76.69
391	8	48	54,993	10,444	6,946	2,756	\$68.23	\$79.93	37	\$17.60	\$109.27	\$81.09
392	8	49	55,052	10,556	7,115	2,856	\$71.32	\$84.68	53	\$20.44	\$116.37	\$79.29
393	9	1	54,595	9,604	6,838	2,614	\$50.52	\$53.49	7	\$1.14	\$60.81	\$79.14
394	9	2	54,243	9,610	6,663	2,156	\$48.12	\$50.27	1	\$0.02	\$55.74	\$80.07
395	9	3	54,674	9,909	6,868	2,519	\$52.29	\$56.40	15	\$2.84	\$66.26	\$78.60
396	9	4	54,857	10,085	6,824	2,633	\$50.91	\$53.98	7	\$0.95	\$61.47	\$79.67
397	9	5	54,661	9,610	6,845	2,508	\$49.03	\$51.47	3	\$0.22	\$57.44	\$79.50
398	9	6	54,787	10,085	6,908	2,633	\$50.17	\$52.98	8	\$0.70	\$59.64	\$79.02
399	9	7	54,896	9,499	6,937	2,519	\$51.00	\$53.98	6	\$0.84	\$61.16	\$79.54
400	9	8	55,078	10,444	6,985	2,756	\$59.13	\$66.39	20	\$8.54	\$84.66	\$78.68
401	9	9	54,685	10,556	6,847	2,778	\$57.38	\$64.42	14	\$7.92	\$84.17	\$81.89
402	9	10	55,134	10,556	7,000	2,778	\$59.99	\$67.95	26	\$9.65	\$89.48	\$80.99
403	9	11	54,791	9,548	6,816	2,519	\$52.47	\$56.18	15	\$2.65	\$65.08	\$78.18
404	9	12	54,835	10,199	6,933	2,633	\$54.38	\$59.07	16	\$4.57	\$70.25	\$77.23
405	9	13	54,647	9,610	6,833	2,614	\$52.23	\$56.08	12	\$3.00	\$65.01	\$77.51
406	9	14	54,697	9,610	6,828	2,424	\$50.96	\$54.08	14	\$1.70	\$61.55	\$78.63
407	9	15	54,870	10,085	6,935	2,633	\$51.78	\$55.38	12	\$2.07	\$64.42	\$79.51
408	9	16	55,005	10,085	6,991	2,633	\$54.46	\$59.19	25	\$4.18	\$70.99	\$78.91
409	9	17	54,862	10,085	6,922	2,633	\$54.42	\$59.48	16	\$4.95	\$71.62	\$77.18
410	9	18	54,505	9,610	6,753	2,519	\$50.81	\$54.12	7	\$2.19	\$62.53	\$79.08
411	9	19	54,867	9,610	6,874	2,519	\$51.31	\$54.62	8	\$1.98	\$62.19	\$77.76
412	9	20	54,780	9,610	6,905	2,424	\$54.84	\$60.15	22	\$5.26	\$72.79	\$77.42
413	9	21	55,046	10,444	6,972	2,756	\$57.78	\$64.68	25	\$7.12	\$81.88	\$78.91
414	9	22	54,925	10,556	6,948	2,778	\$54.76	\$59.89	21	\$4.87	\$72.46	\$78.55
415	9	23	54,604	9,610	6,783	2,519	\$61.46	\$69.50	22	\$12.20	\$89.05	\$71.76
416	9	24	54,725	10,085	6,860	2,633	\$50.54	\$53.62	7	\$1.51	\$60.84	\$78.26
417	9	25	54,686	10,085	6,820	2,633	\$50.64	\$53.83	9	\$1.20	\$61.68	\$79.66
418	9	26	54,615	9,610	6,816	2,508	\$50.05	\$53.06	14	\$1.65	\$60.29	\$78.32
419	9	27	54,584	10,444	6,804	2,756	\$56.10	\$63.17	13	\$7.44	\$81.72	\$80.34
420	9	28	55,220	10,230	7,117	3,068	\$59.32	\$66.22	33	\$7.61	\$84.23	\$79.84
421	9	29	54,616	10,556	6,789	2,778	\$62.25	\$71.73	22	\$12.40	\$97.45	\$79.99
422	9	30	54,339	9,610	6,690	2,245	\$51.19	\$54.42	14	\$2.53	\$62.43	\$78.26
423	9	31	54,811	9,499	6,848	2,424	\$55.12	\$59.81	18	\$4.63	\$70.75	\$76.37
424	9	32	55,190	9,610	7,001	2,508	\$54.60	\$59.50	24	\$4.16	\$71.16	\$78.23
425	9	33	54,565	9,445	6,726	2,274	\$49.38	\$51.98	9	\$0.40	\$58.25	\$79.66
426	9	34	54,951	9,833	6,972	2,621	\$74.49	\$88.55	41	\$23.69	\$128.98	\$78.28
427	9	35	54,920	9,610	6,927	2,519	\$54.83	\$60.07	14	\$5.17	\$72.56	\$77.20
428	9	36	55,057	10,085	6,955	2,633	\$51.71	\$54.87	15	\$1.04	\$62.20	\$79.05
429	9	37	54,601	9,610	6,790	2,519	\$49.79	\$52.56	10	\$0.67	\$59.40	\$79.41



430	9	38	54,552	9,832	6,744	2,519	\$49.10	\$51.59	3	\$0.08	\$57.72	\$80.11
431	9	39	54,845	9,817	6,895	2,519	\$51.35	\$54.52	8	\$1.57	\$61.89	\$78.38
432	9	40	55,014	10,085	6,978	2,633	\$52.51	\$56.23	15	\$2.15	\$65.01	\$78.39
433	9	41	54,772	10,556	6,895	3,068	\$78.28	\$94.14	44	\$27.08	\$133.61	\$67.18
434	9	42	54,613	9,610	6,777	2,519	\$50.53	\$53.60	14	\$1.29	\$61.16	\$79.24
435	9	43	54,735	9,610	6,883	2,374	\$57.54	\$63.83	20	\$7.56	\$78.96	\$75.57
436	9	44	54,780	9,610	6,797	2,519	\$52.82	\$57.01	12	\$3.91	\$67.09	\$76.83
437	9	45	55,212	9,817	7,022	2,508	\$56.41	\$61.57	20	\$5.37	\$73.53	\$76.13
438	9	46	54,974	10,199	6,950	2,591	\$53.31	\$57.42	14	\$2.92	\$66.98	\$77.57
439	9	47	55,243	10,025	6,924	3,068	\$92.92	\$113.90	66	\$39.97	\$172.63	\$67.30
440	9	48	54,993	10,444	6,946	2,756	\$60.59	\$68.76	27	\$9.97	\$89.69	\$80.92
441	9	49	55,052	10,556	7,115	2,856	\$80.36	\$97.64	76	\$28.68	\$139.43	\$78.42
442	10	1	54,595	9,604	6,838	2,614	\$49.47	\$51.94	7	\$0.19	\$57.97	\$79.58
443	10	2	54,243	9,610	6,663	2,156	\$48.18	\$50.37	5	\$0.07	\$56.03	\$80.20
444	10	3	54,674	9,909	6,868	2,519	\$51.26	\$54.96	10	\$2.14	\$63.91	\$79.15
445	10	4	54,857	10,085	6,824	2,633	\$50.54	\$53.57	9	\$0.94	\$60.88	\$79.54
446	10	5	54,661	9,610	6,845	2,508	\$49.59	\$52.31	8	\$0.77	\$59.18	\$79.54
447	10	6	54,787	10,085	6,908	2,633	\$49.77	\$52.42	7	\$0.38	\$58.65	\$79.25
448	10	7	54,896	9,499	6,937	2,519	\$53.42	\$57.55	9	\$3.48	\$67.71	\$79.29
449	10	8	55,078	10,444	6,985	2,756	\$54.85	\$60.26	10	\$4.73	\$73.98	\$79.65
450	10	9	54,685	10,556	6,847	2,778	\$57.43	\$64.49	12	\$8.06	\$84.22	\$80.68
451	10	10	55,134	10,556	7,000	2,778	\$58.28	\$64.58	31	\$7.87	\$80.60	\$78.12
452	10	11	54,791	9,548	6,816	2,519	\$51.71	\$55.15	11	\$2.09	\$63.44	\$78.65
453	10	12	54,835	10,199	6,933	2,633	\$54.42	\$59.59	21	\$4.45	\$72.45	\$79.52
454	10	13	54,647	9,610	6,833	2,614	\$51.21	\$54.54	6	\$2.23	\$62.35	\$77.64
455	10	14	54,697	9,610	6,828	2,424	\$49.24	\$51.62	3	\$0.10	\$57.26	\$79.22
456	10	15	54,870	10,085	6,935	2,633	\$50.44	\$53.44	11	\$0.79	\$60.89	\$79.73
457	10	16	55,005	10,085	6,991	2,633	\$51.41	\$54.71	9	\$1.61	\$62.51	\$78.82
458	10	17	54,862	10,085	6,922	2,633	\$55.71	\$61.53	13	\$6.47	\$76.21	\$77.49
459	10	18	54,505	9,610	6,753	2,519	\$48.65	\$50.96	4	\$0.19	\$56.75	\$79.51
460	10	19	54,867	9,610	6,874	2,519	\$49.26	\$51.65	2	\$0.05	\$57.36	\$79.34
461	10	20	54,780	9,610	6,905	2,424	\$50.37	\$53.39	7	\$0.91	\$60.42	\$79.00
462	10	21	55,046	10,444	6,972	2,756	\$57.15	\$63.75	19	\$6.71	\$80.57	\$79.36
463	10	22	54,925	10,556	6,948	2,778	\$52.18	\$56.03	11	\$2.80	\$66.14	\$79.71
464	10	23	54,604	9,610	6,783	2,519	\$58.59	\$65.35	16	\$9.30	\$82.09	\$74.02
465	10	24	54,725	10,085	6,860	2,633	\$50.79	\$54.04	9	\$1.86	\$62.30	\$79.56
466	10	25	54,686	10,085	6,820	2,633	\$49.44	\$52.13	7	\$0.28	\$58.67	\$80.01
467	10	26	54,615	9,610	6,816	2,508	\$48.22	\$50.50	5	\$0.17	\$56.15	\$79.29
468	10	27	54,584	10,444	6,804	2,756	\$50.04	\$53.40	6	\$1.40	\$61.85	\$80.24
469	10	28	55,220	10,230	7,117	3,068	\$70.47	\$82.98	32	\$18.76	\$119.77	\$83.65
470	10	29	54,616	10,556	6,789	2,778	\$54.05	\$59.20	10	\$4.69	\$72.84	\$79.75
471	10	30	54,339	9,610	6,690	2,245	\$51.79	\$55.27	10	\$3.37	\$63.76	\$77.96
472	10	31	54,811	9,499	6,848	2,424	\$55.88	\$61.03	22	\$5.73	\$73.48	\$76.43
473	10	32	55,190	9,610	7,001	2,508	\$51.42	\$54.77	12	\$1.52	\$63.36	\$79.65
474	10	33	54,565	9,445	6,726	2,274	\$49.69	\$52.40	2	\$0.87	\$59.10	\$79.16
475	10	34	54,951	9,833	6,972	2,621	\$72.88	\$86.29	39	\$22.55	\$124.16	\$76.80
476	10	35	54,920	9,610	6,927	2,519	\$50.87	\$54.15	10	\$1.47	\$61.91	\$78.83
477	10	36	55,057	10,085	6,955	2,633	\$52.54	\$56.19	13	\$2.20	\$64.96	\$78.90
478	10	37	54,601	9,610	6,790	2,519	\$48.81	\$51.26	4	\$0.13	\$57.27	\$79.53
479	10	38	54,552	9,832	6,744	2,519	\$49.83	\$52.70	6	\$0.78	\$59.95	\$79.97
480	10	39	54,845	9,817	6,895	2,519	\$53.01	\$56.83	11	\$3.18	\$65.60	\$77.96
481	10	40	55,014	10,085	6,978	2,633	\$56.68	\$62.41	14	\$6.76	\$75.45	\$76.63
482	10	41	54,772	10,556	6,895	3,068	\$80.63	\$98.23	46	\$29.65	\$146.51	\$74.99
483	10	42	54,613	9,610	6,777	2,519	\$48.86	\$51.21	2	\$0.03	\$56.89	\$79.57
484	10	43	54,735	9,610	6,883	2,374	\$55.28	\$60.30	15	\$5.51	\$72.57	\$77.57

485	10	44	54,780	9,610	6,797	2,519	\$49.85	\$52.91	12	\$1.09	\$60.31	\$79.30
486	10	45	55,212	9,817	7,022	2,508	\$56.55	\$61.89	18	\$5.74	\$74.56	\$77.62
487	10	46	54,974	10,199	6,950	2,591	\$54.76	\$59.77	18	\$4.36	\$71.96	\$78.35
488	10	47	55,243	10,025	6,924	3,068	\$73.21	\$86.30	44	\$20.71	\$124.23	\$80.50
489	10	48	54,993	10,444	6,946	2,756	\$64.50	\$75.20	37	\$13.67	\$102.82	\$82.80
490	10	49	55,052	10,556	7,115	2,856	\$70.71	\$83.80	48	\$19.47	\$114.96	\$79.77
491	11	1	54,595	9,604	6,838	2,614	\$51.29	\$54.73	11	\$1.89	\$62.98	\$78.82
492	11	2	54,243	9,610	6,663	2,156	\$48.77	\$51.31	7	\$0.83	\$57.68	\$79.41
493	11	3	54,674	9,909	6,868	2,519	\$52.22	\$56.37	14	\$2.79	\$66.08	\$78.57
494	11	4	54,857	10,085	6,824	2,633	\$52.54	\$56.28	16	\$2.71	\$64.95	\$78.49
495	11	5	54,661	9,610	6,845	2,508	\$51.53	\$55.26	15	\$2.62	\$64.51	\$78.49
496	11	6	54,787	10,085	6,908	2,633	\$51.11	\$54.50	18	\$1.47	\$62.81	\$79.69
497	11	7	54,896	9,499	6,937	2,519	\$52.91	\$56.95	19	\$2.89	\$66.63	\$78.85
498	11	8	55,078	10,444	6,985	2,756	\$56.38	\$62.38	16	\$6.15	\$77.64	\$79.29
499	11	9	54,685	10,556	6,847	2,778	\$61.95	\$71.12	26	\$12.31	\$97.53	\$81.41
500	11	10	55,134	10,556	7,000	2,778	\$53.76	\$58.36	23	\$3.50	\$69.41	\$78.96
501	11	11	54,791	9,548	6,816	2,519	\$50.09	\$52.96	3	\$0.76	\$60.03	\$79.35
502	11	12	54,835	10,199	6,933	2,633	\$57.47	\$64.17	24	\$7.71	\$81.18	\$77.52
503	11	13	54,647	9,610	6,833	2,614	\$51.98	\$55.72	11	\$2.66	\$64.62	\$77.82
504	11	14	54,697	9,610	6,828	2,424	\$52.57	\$56.75	11	\$3.46	\$66.19	\$77.16
505	11	15	54,870	10,085	6,935	2,633	\$50.62	\$53.78	17	\$0.93	\$61.60	\$79.77
506	11	16	55,005	10,085	6,991	2,633	\$54.38	\$58.96	12	\$4.50	\$69.52	\$76.87
507	11	17	54,862	10,085	6,922	2,633	\$52.65	\$56.88	21	\$3.24	\$66.89	\$77.85
508	11	18	54,505	9,610	6,753	2,519	\$55.42	\$60.54	12	\$6.77	\$72.91	\$73.71
509	11	19	54,867	9,610	6,874	2,519	\$50.46	\$53.58	5	\$1.49	\$60.87	\$78.41
510	11	20	54,780	9,610	6,905	2,424	\$51.52	\$55.03	16	\$2.02	\$62.95	\$78.37
511	11	21	55,046	10,444	6,972	2,756	\$67.44	\$78.91	41	\$16.45	\$109.36	\$77.51
512	11	22	54,925	10,556	6,948	2,778	\$56.40	\$63.25	22	\$6.67	\$80.47	\$80.50
513	11	23	54,604	9,610	6,783	2,519	\$56.14	\$61.63	20	\$6.82	\$75.07	\$75.39
514	11	24	54,725	10,085	6,860	2,633	\$56.01	\$61.34	15	\$7.10	\$73.89	\$76.26
515	11	25	54,686	10,085	6,820	2,633	\$52.10	\$55.89	14	\$2.74	\$65.23	\$78.17
516	11	26	54,615	9,610	6,816	2,508	\$49.06	\$51.75	10	\$0.86	\$58.43	\$79.01
517	11	27	54,584	10,444	6,804	2,756	\$57.15	\$64.30	16	\$8.40	\$83.56	\$80.05
518	11	28	55,220	10,230	7,117	3,068	\$60.80	\$68.05	40	\$8.67	\$86.24	\$78.57
519	11	29	54,616	10,556	6,789	2,778	\$59.48	\$67.54	22	\$9.87	\$88.15	\$78.34
520	11	30	54,339	9,610	6,690	2,245	\$48.68	\$51.06	5	\$0.36	\$57.03	\$79.59
521	11	31	54,811	9,499	6,848	2,424	\$58.67	\$64.83	24	\$8.24	\$78.79	\$73.56
522	11	32	55,190	9,610	7,001	2,508	\$53.08	\$57.27	14	\$3.20	\$67.09	\$77.68
523	11	33	54,565	9,445	6,726	2,274	\$48.92	\$51.45	5	\$0.18	\$57.50	\$79.87
524	11	34	54,951	9,833	6,972	2,621	\$74.08	\$87.81	40	\$23.35	\$126.97	\$76.94
525	11	35	54,920	9,610	6,927	2,519	\$52.22	\$56.18	14	\$2.63	\$65.46	\$78.23
526	11	36	55,057	10,085	6,955	2,633	\$55.39	\$60.23	25	\$4.68	\$71.87	\$78.26
527	11	37	54,601	9,610	6,790	2,519	\$49.55	\$52.25	12	\$0.41	\$58.72	\$79.45
528	11	38	54,552	9,832	6,744	2,519	\$52.53	\$56.57	16	\$3.02	\$66.30	\$78.88
529	11	39	54,845	9,817	6,895	2,519	\$55.80	\$60.89	16	\$5.82	\$72.81	\$75.90
530	11	40	55,014	10,085	6,978	2,633	\$52.65	\$56.59	16	\$2.54	\$65.72	\$77.83
531	11	41	54,772	10,556	6,895	3,068	\$72.96	\$86.70	41	\$22.03	\$122.67	\$73.36
532	11	42	54,613	9,610	6,777	2,519	\$50.59	\$53.66	12	\$1.67	\$60.86	\$78.86
533	11	43	54,735	9,610	6,883	2,374	\$55.87	\$60.97	28	\$5.63	\$73.05	\$76.07
534	11	44	54,780	9,610	6,797	2,519	\$53.45	\$58.24	11	\$4.99	\$69.95	\$76.57
535	11	45	55,212	9,817	7,022	2,508	\$54.56	\$59.27	32	\$3.53	\$70.28	\$78.14
536	11	46	54,974	10,199	6,950	2,591	\$59.57	\$66.94	29	\$8.89	\$85.09	\$76.21
537	11	47	55,243	10,025	6,924	3,068	\$77.34	\$92.11	65	\$24.43	\$134.60	\$77.32
538	11	48	54,993	10,444	6,946	2,756	\$65.84	\$77.17	36	\$14.81	\$105.98	\$79.88
539	11	49	55,052	10,556	7,115	2,856	\$73.27	\$86.87	60	\$21.85	\$119.41	\$75.22