

Appendix G

Weather & Price Uncertainty Analysis

2018 OR IRP Final

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2018	2019	2020	2021	2022	2023	2024
1	309,368,012	309,882,268	333,512,128	319,572,360	330,313,513	340,940,817	345,512,592
2	315,246,801	318,437,121	321,848,576	333,460,293	324,966,323	330,029,241	364,468,972
3	304,613,480	307,796,964	316,847,206	332,279,865	329,880,178	336,850,891	353,937,802
4	315,246,957	310,556,549	312,144,536	316,619,277	334,671,462	343,920,904	335,081,932
5	322,200,651	317,012,094	317,675,968	324,884,257	330,298,455	341,568,913	347,255,084
6	304,827,960	324,911,697	314,757,024	327,044,556	334,812,745	347,584,343	353,110,087
7	312,681,174	325,536,380	312,727,766	336,025,720	329,544,016	354,829,194	347,053,347
8	312,914,073	318,813,963	320,242,935	317,950,897	330,034,711	344,551,801	342,382,666
9	313,079,163	308,332,302	310,061,674	321,575,444	317,635,743	346,863,961	337,718,950
10	306,209,814	317,633,237	330,509,589	325,252,506	336,813,862	334,931,328	344,565,054
11	312,986,147	314,607,734	316,247,952	327,439,811	331,753,274	328,207,378	342,166,740
12	300,753,566	321,365,403	328,059,593	321,594,880	328,602,320	330,936,416	335,384,028
13	317,119,191	309,063,239	332,357,339	317,294,691	330,938,699	329,802,208	348,831,290
14	304,474,647	307,505,684	309,174,316	330,575,367	330,768,414	336,928,989	346,470,451
15	327,104,936	310,750,366	334,317,020	321,348,280	330,529,903	349,647,041	347,751,597
16	296,803,841	308,143,087	317,628,453	316,156,312	321,325,267	330,829,735	334,169,339
17	317,339,121	322,796,782	332,264,191	325,036,879	335,524,115	334,614,450	340,407,630
18	323,764,971	304,431,848	322,128,241	333,981,318	330,249,618	334,185,414	351,461,483
19	314,553,704	310,076,871	310,262,661	331,750,281	325,489,510	338,275,001	346,428,516
20	307,446,189	318,357,090	310,362,372	329,057,827	336,788,291	355,177,142	347,083,944
21	314,506,659	317,840,761	323,497,081	318,619,226	332,777,703	328,477,495	350,161,904
22	306,141,985	310,919,925	325,893,728	324,127,380	322,140,900	330,075,737	351,371,057
23	322,945,398	327,238,980	331,487,304	325,126,348	350,519,150	334,119,947	351,481,783
24	319,286,909	311,618,747	336,371,281	333,923,862	344,163,422	329,212,601	345,968,629
25	303,788,632	329,456,799	333,726,965	332,221,412	338,890,904	349,813,298	342,961,688
26	321,743,204	317,159,754	330,587,114	334,012,378	333,186,834	354,000,347	343,556,476
27	307,056,805	317,024,968	324,113,422	325,020,614	322,480,093	345,795,617	334,608,447
28	315,122,319	305,574,562	332,557,008	320,985,403	334,918,589	333,788,767	336,915,634
29	316,767,081	318,654,269	307,744,057	315,130,921	333,229,764	343,380,055	343,776,215
30	313,506,629	311,359,528	327,274,795	313,084,357	339,377,939	338,991,607	340,731,339
31	308,586,136	315,311,911	324,558,886	335,196,379	334,288,664	348,514,643	352,562,280
32	311,467,520	316,099,201	316,167,383	323,292,452	333,650,565	342,819,417	337,456,372
33	315,231,641	315,526,723	336,685,213	320,394,159	324,492,735	338,005,824	335,274,494
34	325,375,999	311,244,249	320,631,753	317,213,491	336,475,468	341,208,118	338,370,490
35	307,058,119	309,905,297	326,034,304	336,315,059	336,219,154	326,650,354	350,852,765
36	318,953,943	317,997,457	315,725,478	326,582,496	338,603,032	328,588,689	354,985,085
37	307,737,130	308,420,051	323,112,175	322,168,963	339,959,326	342,350,909	328,563,208
38	316,678,955	324,823,731	312,219,182	323,140,236	322,228,071	333,351,075	339,053,199
39	310,618,182	311,532,335	314,703,855	333,111,037	328,816,213	325,624,964	350,388,268
40	315,485,898	306,254,131	327,585,567	324,285,034	315,109,359	326,625,386	337,498,064
41	313,230,855	313,276,626	319,734,179	325,693,464	335,742,271	326,410,622	334,830,894
42	306,436,885	304,761,069	315,972,647	324,065,172	335,384,910	342,659,286	341,800,140
43	317,503,705	335,078,142	314,904,091	332,571,112	332,518,481	335,253,017	345,447,360
44	318,342,083	315,403,064	318,293,199	321,016,100	337,346,904	336,754,816	343,132,961
45	306,518,573	319,699,969	316,848,383	329,603,540	332,152,697	339,829,691	331,953,185
46	316,965,065	323,776,151	335,431,297	328,054,332	345,471,061	344,897,266	343,072,155
47	300,601,651	321,956,903	318,688,632	339,895,580	317,815,537	328,311,181	332,398,511
48	309,906,970	323,615,215	332,682,329	334,247,816	319,739,661	358,961,209	353,983,948
49	308,764,671	308,501,098	314,566,549	321,024,370	333,021,725	345,789,691	347,127,612
50	321,942,387	314,365,475	323,322,020	318,635,812	345,612,297	344,769,117	344,110,687

Draw	2018	2019	2020	2021	2022	2023	2024
51	322,262,266	324,945,937	306,351,322	340,539,163	329,565,789	351,439,268	337,068,038
52	315,216,926	318,753,690	326,296,393	325,973,318	345,568,661	339,785,040	341,568,441
53	301,407,440	319,264,176	331,886,912	318,101,860	321,650,826	326,063,512	337,278,988
54	325,016,129	318,379,895	317,126,581	314,778,698	336,274,143	345,423,637	338,295,337
55	307,585,630	325,354,436	326,267,157	319,113,387	318,967,846	346,929,157	342,288,506
56	308,697,916	319,871,456	318,975,853	332,340,582	318,747,227	346,959,837	345,705,344
57	299,022,502	313,323,052	321,462,504	328,216,944	342,850,642	332,651,911	341,085,079
58	312,001,720	321,164,158	315,763,893	339,191,823	327,411,775	326,609,136	360,961,542
59	313,012,526	310,348,774	329,956,174	321,542,597	326,845,390	337,231,249	333,591,754
60	312,503,468	310,985,872	329,297,311	330,678,617	334,915,223	332,269,557	332,986,622
61	308,081,669	318,912,485	329,722,364	322,152,799	334,425,703	352,158,634	345,139,554
62	319,179,433	313,895,885	325,748,787	317,475,211	325,469,886	334,305,031	343,208,764
63	315,225,239	325,886,634	321,210,310	330,264,501	323,857,127	338,988,491	340,652,675
64	328,379,251	323,352,856	318,934,792	334,771,350	325,970,721	336,540,387	325,085,036
65	329,450,513	322,340,041	322,162,666	335,617,720	326,040,997	345,638,210	356,874,845
66	302,664,418	315,382,858	324,907,766	323,740,943	323,067,589	332,180,162	332,468,434
67	307,184,233	307,067,464	329,988,545	326,812,022	342,009,739	342,418,990	331,529,445
68	309,527,800	310,795,381	310,889,762	333,589,889	318,920,467	337,700,373	351,369,091
69	315,356,690	301,594,277	319,485,723	330,044,429	324,506,325	336,819,842	342,506,976
70	309,579,926	311,247,186	332,527,444	334,060,475	340,520,954	325,811,511	339,123,748
71	321,598,290	312,994,972	314,951,610	328,697,876	346,952,858	331,651,227	338,453,801
72	313,230,486	314,302,593	337,913,630	325,339,455	328,833,185	335,205,965	332,394,989
73	316,482,465	320,230,227	323,174,981	318,427,838	330,092,429	341,766,764	336,897,055
74	308,440,176	325,923,909	320,301,998	327,025,353	335,401,217	330,799,285	352,119,846
75	314,504,054	309,853,404	333,047,696	320,705,018	334,433,509	338,583,612	352,311,296
76	310,846,780	316,337,545	321,514,604	320,607,947	332,454,848	342,100,065	349,806,298
77	310,933,760	316,609,774	321,909,759	336,140,672	344,597,858	334,736,012	346,133,969
78	326,740,868	318,712,876	328,307,835	334,859,398	335,018,856	337,594,652	359,408,275
79	308,167,160	307,417,066	315,631,729	330,274,347	329,861,398	342,444,995	339,931,639
80	306,351,302	326,532,497	326,170,867	322,793,431	332,217,456	335,568,307	347,956,005
81	297,617,485	303,924,830	329,942,883	328,444,964	328,660,449	341,729,759	345,494,804
82	312,039,563	311,256,324	314,421,657	336,339,566	339,659,570	333,334,014	343,279,670
83	308,910,577	308,783,962	322,117,173	321,087,102	350,771,713	333,578,989	329,880,538
84	312,848,385	319,872,399	328,442,265	329,564,678	337,068,740	341,766,423	336,106,780
85	301,312,075	304,810,900	318,258,765	338,715,199	320,141,726	336,354,635	336,790,253
86	303,778,215	327,767,589	317,081,976	321,698,622	330,689,222	331,425,335	350,298,815
87	311,495,915	305,840,348	334,916,123	324,171,291	347,087,415	337,560,909	345,221,964
88	309,677,000	323,950,905	331,840,733	326,605,308	339,600,874	325,551,249	334,025,300
89	322,489,612	320,509,573	310,157,804	337,187,531	336,766,600	348,272,890	339,978,154
90	307,687,154	318,512,983	315,917,108	330,524,684	344,317,653	337,607,655	337,247,760
91	312,595,126	310,472,523	318,694,335	331,363,377	332,320,568	322,679,171	349,823,567
92	318,624,032	320,805,863	336,731,269	340,203,352	334,345,573	343,499,176	333,586,144
93	327,759,340	314,763,817	324,769,028	313,133,851	335,830,845	342,202,597	349,984,003
94	319,088,078	314,994,446	317,580,516	334,455,173	345,648,147	334,849,496	344,933,608
95	318,564,711	325,984,211	330,372,508	323,485,381	333,532,681	333,228,399	333,879,872
96	306,351,293	309,432,270	312,296,933	320,914,088	328,673,070	341,051,830	330,388,457
97	312,446,328	310,566,029	327,026,851	333,173,873	321,786,635	333,476,234	339,172,265
98	307,699,214	318,658,083	312,003,827	345,736,993	314,299,856	349,694,922	338,718,118
99	316,656,419	304,625,426	331,153,957	328,456,205	324,935,472	330,290,507	338,419,194
100	319,540,238	324,899,226	314,037,935	328,697,840	348,061,235	326,556,729	349,020,859

Draw	2018	2019	2020	2021	2022	2023	2024
101	308,296,478	321,985,416	326,085,187	323,063,084	319,038,824	335,087,041	333,290,475
102	303,819,701	315,348,124	321,586,212	324,694,127	333,922,769	348,142,883	348,515,782
103	310,522,122	307,829,771	317,089,223	325,080,457	325,571,312	325,434,168	333,953,950
104	319,749,972	320,867,197	312,588,948	328,341,461	321,206,695	339,614,725	342,621,408
105	315,346,597	323,847,886	322,119,324	329,071,153	327,117,993	337,310,265	341,413,786
106	300,932,014	306,540,285	314,249,242	332,749,703	327,739,189	351,273,481	338,969,772
107	314,725,079	314,644,002	311,773,461	319,451,272	348,604,999	331,648,369	350,454,445
108	311,032,586	334,939,030	321,871,201	322,443,413	335,454,010	339,781,194	334,945,037
109	314,902,263	320,244,798	314,651,729	326,796,815	328,944,578	339,304,571	347,684,689
110	314,626,538	319,587,936	317,808,755	314,056,958	334,739,151	330,044,940	357,298,590
111	311,913,233	314,356,825	309,292,322	323,685,730	341,519,148	335,747,539	339,606,643
112	328,136,637	319,890,605	327,716,898	315,199,589	337,741,356	338,918,334	332,422,762
113	304,040,771	310,126,012	326,456,705	327,227,441	332,805,573	346,705,043	341,806,002
114	309,006,883	314,173,262	340,311,826	329,694,577	323,095,572	342,293,991	341,677,831
115	308,514,189	318,312,844	323,620,365	329,399,733	333,696,587	333,342,149	351,514,224
116	318,162,011	317,263,103	327,424,245	331,548,566	340,999,348	340,307,772	348,344,722
117	319,322,146	326,333,597	330,838,859	324,105,942	333,723,159	338,794,271	334,992,788
118	318,907,406	313,617,357	326,869,837	325,646,323	336,667,003	329,340,489	341,316,976
119	313,966,787	329,943,156	314,196,378	322,088,319	330,142,721	339,047,834	335,457,513
120	313,188,061	323,337,094	322,902,822	315,389,593	321,124,396	324,822,870	349,865,011
121	309,731,108	326,137,996	326,067,704	318,068,201	329,523,088	340,590,002	341,591,908
122	309,624,297	314,398,500	331,133,624	323,159,786	327,825,685	319,681,207	343,776,714
123	309,375,260	323,108,470	316,618,778	327,313,930	336,805,358	354,631,765	343,668,672
124	314,820,556	321,313,061	313,120,706	330,390,637	328,756,275	348,001,284	342,466,974
125	311,524,952	331,035,082	314,763,618	321,111,889	331,779,689	328,892,250	335,074,253
126	313,719,746	318,402,109	327,745,566	330,258,794	331,003,839	334,287,015	341,158,976
127	334,883,462	303,724,596	329,037,733	331,446,544	328,813,082	334,330,056	323,320,127
128	314,041,878	317,679,070	322,916,868	325,839,152	332,930,306	329,118,751	340,291,742
129	308,150,192	318,481,170	309,475,384	323,461,522	328,968,944	341,210,972	344,851,598
130	304,992,466	321,508,180	321,340,295	331,139,955	330,332,940	323,626,967	332,233,025
131	307,916,603	319,368,327	308,777,389	329,780,023	337,629,584	333,674,963	341,697,270
132	310,048,939	316,713,825	320,195,152	337,307,598	330,946,506	326,511,648	333,648,472
133	320,707,023	311,833,429	327,719,592	333,906,088	328,479,528	333,145,376	336,602,560
134	305,006,684	324,082,480	327,161,582	332,505,426	333,371,149	326,846,391	353,727,379
135	310,455,477	333,828,913	318,116,362	329,362,533	327,855,033	349,658,782	344,628,049
136	310,167,331	321,805,781	315,152,622	332,582,762	326,902,127	334,115,215	355,402,735
137	301,911,770	327,979,070	330,621,470	330,273,342	328,901,060	336,497,458	329,732,301
138	307,046,872	313,227,577	316,420,529	319,550,171	338,854,535	331,363,272	345,633,148
139	323,855,985	312,123,304	330,725,311	327,187,049	326,346,888	339,402,282	339,454,123
140	313,906,419	318,738,343	315,857,777	331,618,444	319,165,960	338,716,302	329,353,297
141	305,233,400	321,196,955	329,723,998	319,555,273	335,466,011	339,878,105	342,405,634
142	306,778,890	323,622,849	319,857,318	334,215,571	333,072,985	335,171,259	352,267,147
143	303,989,458	313,689,261	330,875,170	319,546,377	318,141,314	347,988,181	341,369,370
144	305,569,810	308,215,304	324,615,478	315,166,684	336,128,363	323,137,914	352,289,620
145	305,547,296	319,044,655	315,272,649	352,829,306	332,728,727	345,133,580	353,665,594
146	318,892,216	318,591,993	318,446,824	337,060,234	326,301,505	338,347,728	324,205,213
147	314,614,663	325,295,181	333,703,706	310,076,925	333,064,161	329,532,251	336,040,360
148	302,309,723	318,337,839	339,007,325	317,177,900	331,636,250	339,095,677	343,946,926
149	303,984,413	321,023,472	324,277,573	323,662,598	340,918,939	342,765,891	330,574,660
150	325,880,937	333,867,756	322,242,127	338,410,108	324,025,035	336,435,097	344,534,626

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2018	2019	2020	2021	2022	2023	2024
151	320,866,367	316,437,865	329,958,487	328,659,309	341,841,146	325,983,978	342,897,171
152	308,555,034	316,376,003	320,727,298	332,462,284	327,553,269	339,512,132	337,925,994
153	321,279,078	314,322,544	319,403,660	325,893,668	322,335,076	331,517,388	347,615,237
154	304,708,944	311,827,934	314,813,048	334,417,158	324,534,098	349,691,138	328,054,395
155	310,256,295	323,376,588	315,003,352	302,843,009	338,673,654	341,372,567	339,658,830
156	316,220,739	319,839,297	325,873,591	324,684,541	328,726,695	329,086,547	358,508,118
157	309,590,313	298,690,143	323,450,524	333,377,401	334,035,662	333,026,700	332,298,898
158	314,510,893	313,144,903	331,690,178	332,210,881	341,679,682	339,023,723	354,746,119
159	305,314,589	319,130,065	318,710,543	314,347,674	326,264,567	334,831,821	343,078,849
160	308,203,564	311,980,429	331,700,845	322,262,402	339,866,424	345,286,791	348,040,075
161	324,795,697	315,725,892	317,939,541	312,685,758	336,683,414	341,083,072	352,562,568
162	311,585,480	319,492,537	325,516,302	323,417,830	336,198,220	340,461,290	338,747,248
163	320,257,077	316,944,461	313,445,830	317,931,479	340,571,994	326,445,951	338,429,316
164	318,429,046	326,010,396	325,747,883	312,810,451	322,049,858	333,950,522	333,644,580
165	315,934,389	316,591,919	320,813,264	332,658,449	332,431,153	336,447,155	334,098,418
166	311,118,255	332,866,586	316,445,525	326,327,216	329,240,929	324,384,588	356,524,973
167	305,331,510	325,592,089	318,229,943	313,043,531	338,748,344	335,638,123	343,612,055
168	308,042,450	308,867,609	322,243,911	330,118,875	328,628,297	330,630,320	350,549,213
169	327,281,974	319,971,714	323,959,737	322,497,694	331,673,217	341,707,251	347,689,928
170	314,691,987	312,011,634	317,216,496	338,241,924	329,065,301	336,280,950	341,673,859
171	318,324,542	308,535,379	324,798,480	320,855,283	338,330,342	350,344,878	346,448,991
172	306,337,654	318,834,028	326,887,888	325,058,791	340,526,817	329,758,598	345,335,366
173	308,124,915	316,559,956	319,103,210	332,861,413	333,205,534	343,050,847	335,543,795
174	300,857,198	302,799,064	337,064,291	319,530,444	335,619,647	344,161,961	347,409,464
175	309,428,237	327,859,968	316,721,416	324,402,439	332,792,781	338,721,630	335,665,571
176	305,977,965	320,742,446	314,631,497	320,181,198	330,356,460	319,504,292	340,491,854
177	314,121,369	310,917,643	316,110,231	322,529,766	321,076,538	336,914,125	347,948,145
178	308,990,291	322,483,003	326,763,832	323,399,833	329,030,374	343,026,257	342,245,015
179	306,036,592	318,160,138	328,761,938	319,919,398	323,304,225	335,849,512	334,033,740
180	310,190,312	321,603,393	325,431,362	312,129,376	337,091,238	343,932,459	340,720,441
181	320,037,954	317,456,299	326,104,044	334,699,936	338,012,788	332,350,917	339,082,417
182	317,458,615	305,293,239	328,813,863	325,187,848	330,774,082	334,447,596	347,179,524
183	307,749,488	303,844,366	316,054,499	334,781,639	323,921,369	336,104,688	328,653,550
184	314,617,624	301,969,309	326,138,202	317,047,203	331,481,752	331,727,786	339,793,511
185	310,628,726	315,100,101	328,644,170	338,349,380	323,696,835	340,095,992	355,508,390
186	315,386,967	312,529,463	313,255,989	331,757,986	335,421,078	347,076,636	335,216,088
187	326,318,342	315,590,270	332,828,969	321,764,035	336,787,910	345,762,802	353,950,661
188	311,806,894	324,396,399	336,661,131	328,931,227	343,309,899	328,394,523	337,080,534
189	306,689,964	316,223,764	340,119,477	328,486,242	324,271,511	346,166,115	330,450,090
190	323,580,612	306,971,272	313,746,802	318,162,893	322,091,881	342,716,876	341,172,409
191	301,031,404	310,435,165	332,313,176	328,545,351	335,839,142	331,402,660	332,509,979
192	307,522,959	320,437,446	311,390,307	335,354,338	324,810,813	333,143,810	324,636,263
193	307,768,712	316,073,238	315,342,923	330,299,027	338,907,389	347,382,285	336,255,522
194	302,945,261	317,511,406	327,677,472	333,695,373	350,927,189	338,878,371	335,072,859
195	308,273,828	308,974,246	326,266,773	315,579,864	332,464,965	329,658,119	344,883,942
196	325,952,446	316,174,135	327,092,240	323,333,422	328,520,516	325,813,305	353,029,958
197	320,696,045	308,539,484	332,910,575	330,005,801	332,882,621	342,629,818	341,273,994
198	314,279,067	308,263,452	314,824,855	331,008,538	330,671,630	325,602,297	333,748,432
199	323,681,318	314,819,592	317,510,056	330,356,448	328,272,309	348,558,816	329,736,350
200	313,896,208	318,158,879	334,243,679	332,597,790	341,739,344	342,597,667	337,261,912

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2025	2026	2027	2028	2029	2030	2031
1	348,521,892	353,920,866	359,390,768	366,370,554	370,654,846	376,525,128	382,420,573
2	337,111,720	363,951,486	353,453,269	351,742,476	363,918,277	372,234,796	377,106,192
3	339,669,841	350,602,047	368,102,162	356,243,231	364,167,694	367,533,829	379,364,957
4	335,042,583	362,197,489	385,533,742	378,811,803	370,620,543	389,905,084	372,695,055
5	353,430,397	364,402,030	353,276,524	368,059,469	366,088,061	363,064,908	361,576,507
6	348,266,979	361,750,187	346,186,878	360,338,937	375,544,865	367,332,318	372,750,621
7	358,691,766	349,940,864	353,796,668	364,959,149	364,631,887	370,675,830	378,629,215
8	342,092,082	351,113,521	346,691,869	349,281,617	370,432,550	383,283,781	375,706,060
9	343,238,562	340,133,809	367,698,752	374,205,113	359,043,150	375,742,105	381,279,234
10	347,370,943	367,494,162	355,766,800	339,825,866	380,609,834	386,460,909	377,057,371
11	347,870,603	359,633,601	336,734,196	369,088,738	361,285,597	371,406,612	385,483,376
12	349,143,821	358,584,568	362,698,571	355,301,131	364,998,510	380,042,196	382,006,990
13	346,186,044	353,354,735	364,563,910	357,442,622	367,531,480	370,881,780	377,883,245
14	347,555,430	355,758,616	355,850,890	367,050,259	362,735,363	363,684,226	365,364,004
15	341,822,669	359,604,564	342,796,808	370,123,381	364,148,239	375,749,592	387,857,110
16	344,007,343	348,064,202	355,714,666	371,700,155	375,566,993	381,862,061	383,760,753
17	345,842,168	339,714,462	351,222,598	361,072,494	361,971,987	388,982,334	381,700,073
18	356,936,151	344,747,972	366,941,293	353,623,871	377,465,269	380,360,356	381,946,264
19	356,379,333	352,736,414	359,832,636	353,277,568	372,890,485	371,170,106	385,215,262
20	341,919,909	356,628,832	377,358,912	365,574,430	363,054,988	376,214,597	367,746,812
21	338,037,791	354,170,339	351,267,042	365,578,885	380,387,605	353,759,776	380,031,164
22	360,063,984	350,536,962	360,037,926	379,072,189	374,867,946	373,524,016	382,792,237
23	352,763,450	360,828,379	354,677,104	347,623,729	369,103,919	368,702,654	385,300,368
24	341,718,801	358,171,863	367,797,535	357,389,721	364,370,923	386,448,561	385,914,956
25	344,485,684	353,890,959	356,531,536	370,075,821	374,709,807	376,237,442	362,321,180
26	337,052,063	348,601,296	360,988,457	361,614,593	382,786,647	373,755,269	370,736,542
27	348,755,276	353,120,991	361,432,786	364,581,183	380,988,137	368,120,840	369,583,037
28	343,017,352	348,300,859	359,840,531	369,550,683	368,470,681	355,539,876	389,533,726
29	351,697,016	358,605,774	369,908,658	365,504,878	370,774,602	375,595,171	378,636,809
30	361,703,278	359,855,091	359,760,687	373,096,084	382,186,057	381,615,740	378,604,331
31	333,641,472	352,946,295	364,594,671	359,870,730	363,885,122	393,847,547	385,422,287
32	355,077,285	362,113,464	358,067,641	365,425,604	368,333,561	379,505,822	388,570,397
33	354,207,494	360,621,100	356,026,034	356,667,057	362,735,463	376,379,924	377,282,471
34	361,447,450	353,071,653	354,129,143	351,702,537	362,492,410	379,768,272	394,353,049
35	347,385,543	364,214,029	346,857,331	362,996,599	362,512,962	375,466,224	370,976,963
36	348,488,670	358,562,717	347,331,689	371,452,370	374,053,512	372,422,834	392,458,933
37	348,209,780	363,225,827	372,011,596	369,930,528	372,625,337	366,845,363	386,685,913
38	351,851,938	349,170,292	372,970,717	364,710,164	374,883,744	384,050,863	374,153,814
39	346,362,917	345,689,406	348,853,257	352,825,624	373,266,717	376,263,391	358,948,090
40	356,998,651	344,491,283	364,015,876	366,287,247	376,096,630	373,344,195	378,760,914
41	339,208,236	356,246,948	358,382,074	373,295,764	360,837,122	364,394,291	395,824,657
42	355,035,617	357,970,100	354,113,360	368,650,119	372,291,526	375,523,819	386,289,425
43	333,572,380	352,502,404	371,041,279	357,673,783	378,755,651	389,752,437	372,533,819
44	340,747,514	371,530,785	360,604,747	355,108,292	374,968,390	379,635,170	391,946,875
45	355,459,343	354,580,496	352,162,483	374,217,546	369,789,931	379,025,273	370,459,569
46	363,432,054	342,788,305	348,866,843	360,104,646	363,366,762	370,858,418	389,459,634
47	338,620,965	352,427,592	354,160,295	365,359,370	359,421,542	381,184,933	383,243,733
48	345,021,239	355,527,211	357,327,050	383,168,146	367,366,308	383,702,457	379,119,769
49	341,619,742	357,442,026	348,680,601	346,070,000	366,280,730	363,235,576	370,038,249
50	350,053,178	344,729,008	360,389,782	361,296,422	360,629,981	384,576,607	391,503,459

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2025	2026	2027	2028	2029	2030	2031
51	340,321,732	345,552,763	350,933,455	357,000,912	369,028,254	374,374,100	370,885,895
52	348,942,053	357,508,904	363,020,133	364,813,088	370,355,231	368,633,396	372,267,971
53	343,040,581	351,231,437	361,530,106	363,522,402	360,557,162	365,886,955	365,596,062
54	350,677,862	358,243,480	358,036,123	373,626,630	366,750,532	376,592,143	388,089,251
55	345,906,903	352,738,381	355,535,253	354,712,709	362,636,655	374,835,483	371,376,477
56	337,445,270	349,038,178	350,611,085	375,175,918	381,344,529	383,428,217	388,621,277
57	341,093,537	347,063,804	342,955,729	349,858,043	368,779,607	377,689,051	379,470,658
58	344,738,866	348,632,103	354,926,205	368,349,001	368,907,068	362,121,394	385,655,106
59	356,676,216	350,859,238	373,861,754	359,366,732	370,986,175	374,136,920	383,280,641
60	342,986,264	355,117,050	363,455,997	354,434,446	365,643,719	373,432,879	377,778,746
61	334,047,552	334,842,968	360,088,578	357,049,871	374,301,910	362,296,918	399,611,088
62	346,200,425	360,653,494	369,834,122	367,827,234	377,414,127	377,498,375	364,204,497
63	335,026,641	353,110,404	350,334,351	367,899,849	371,373,029	363,778,088	387,427,035
64	358,576,216	337,476,717	357,472,994	369,068,246	371,510,102	371,954,887	375,502,433
65	346,179,873	348,682,612	354,832,034	375,209,388	391,105,054	387,386,549	386,777,496
66	345,652,629	355,893,651	352,100,525	351,857,860	356,269,672	373,366,494	376,691,149
67	339,108,268	354,420,007	374,099,484	375,665,027	371,333,279	373,229,050	389,265,730
68	357,261,989	359,283,669	347,961,359	356,466,808	383,593,843	380,900,077	370,678,285
69	347,001,317	351,575,769	338,831,555	345,954,845	358,465,811	359,887,233	376,664,941
70	349,284,267	351,722,159	354,955,586	367,699,293	380,133,726	364,043,613	414,557,832
71	343,406,565	340,257,500	359,891,603	375,797,606	366,917,902	387,363,587	386,624,746
72	355,976,018	351,875,658	345,991,530	357,530,888	374,061,752	387,175,759	378,978,995
73	352,585,723	346,001,698	366,963,141	370,332,973	359,419,699	351,519,138	385,124,505
74	352,489,148	345,973,226	357,270,853	370,867,963	376,075,873	373,370,106	390,708,144
75	346,259,598	351,040,957	357,926,055	376,514,592	368,547,712	374,334,033	392,514,886
76	346,787,985	353,409,217	362,932,522	372,755,539	387,253,835	367,497,330	376,904,683
77	334,326,165	351,600,724	367,949,138	369,219,515	373,191,849	373,568,352	406,171,151
78	353,855,369	342,693,425	374,983,750	375,545,997	375,044,457	378,099,566	392,834,177
79	345,267,731	338,818,906	360,778,212	370,569,310	366,458,127	381,953,690	386,406,335
80	351,991,281	358,353,503	341,499,903	378,803,920	356,089,757	369,069,286	371,520,945
81	351,422,673	366,084,372	365,560,508	365,752,234	362,607,962	374,478,606	384,100,466
82	363,826,307	358,383,132	365,002,363	353,449,156	356,633,757	363,507,405	378,018,386
83	328,853,308	358,017,339	357,979,549	364,747,217	367,674,684	373,860,228	382,494,826
84	344,873,475	355,966,118	335,253,105	367,101,245	375,093,005	374,789,871	380,976,300
85	339,788,110	352,620,259	359,324,123	357,881,872	372,984,696	388,660,349	376,008,773
86	360,453,575	345,807,193	365,052,544	355,961,281	377,728,715	372,214,064	374,886,104
87	357,024,065	345,449,440	359,091,849	372,254,557	367,575,129	378,066,940	387,726,663
88	341,046,774	350,687,485	354,618,911	361,462,823	367,714,649	374,340,999	381,738,314
89	333,985,332	350,647,996	349,681,280	371,282,307	388,276,232	381,929,885	368,260,984
90	356,595,263	342,359,553	357,059,610	379,729,286	373,021,288	381,253,072	387,625,757
91	361,886,839	358,218,244	358,029,503	366,406,981	373,220,237	372,966,167	373,476,665
92	352,471,550	345,496,470	357,376,396	366,919,801	348,428,710	379,210,249	388,143,558
93	353,065,055	351,232,460	353,896,364	358,703,166	364,598,616	379,611,441	384,872,567
94	358,137,428	359,985,149	344,960,051	381,866,590	362,113,852	399,053,521	388,294,376
95	348,208,649	351,705,523	368,740,156	352,698,999	376,286,410	371,081,623	387,561,328
96	351,489,326	346,085,730	362,989,009	365,135,420	375,996,370	370,733,172	387,131,969
97	356,788,504	342,816,362	351,962,820	370,215,091	365,178,607	390,628,162	388,752,948
98	354,172,698	358,278,691	362,650,759	350,981,854	380,776,362	383,326,228	387,132,096
99	358,245,957	361,146,612	363,684,134	363,160,198	360,341,630	377,371,333	403,927,858
100	344,856,114	345,660,696	345,716,187	357,009,932	359,112,520	371,371,035	383,766,123

Draw	2025	2026	2027	2028	2029	2030	2031
101	368,338,163	360,801,310	342,935,404	347,636,533	375,008,825	382,955,816	384,006,980
102	347,760,788	352,464,266	355,223,408	350,630,655	358,936,435	381,372,589	382,673,146
103	352,127,921	357,464,615	371,354,188	371,473,324	372,388,356	372,627,767	389,867,827
104	337,321,178	338,318,635	362,807,858	366,972,968	355,531,698	379,500,147	404,530,606
105	358,783,931	355,961,156	357,336,257	358,030,441	360,389,539	369,456,878	371,431,223
106	350,656,964	344,254,358	353,019,262	362,278,755	366,454,841	364,632,771	381,381,246
107	323,474,460	346,351,469	364,012,415	359,842,617	353,991,791	384,695,877	384,634,351
108	348,306,045	350,678,133	366,302,234	363,259,108	363,665,377	376,309,799	380,016,324
109	362,653,742	351,574,748	356,258,429	362,441,157	374,139,977	373,010,545	397,411,837
110	361,868,869	350,211,873	368,097,646	360,726,586	383,058,729	381,380,051	387,507,411
111	341,718,895	342,899,411	342,651,694	369,368,305	369,446,065	374,576,087	383,092,273
112	332,509,365	343,843,992	377,987,564	362,044,201	370,604,239	365,359,271	368,953,574
113	336,120,481	350,827,332	364,146,028	378,823,551	381,623,209	382,545,639	384,588,708
114	353,826,095	346,284,798	353,195,418	355,549,839	363,852,453	378,296,010	383,229,117
115	334,939,688	352,742,658	367,209,052	350,562,200	365,062,516	373,832,949	362,677,352
116	349,226,113	344,849,262	358,974,648	365,145,005	383,240,056	388,159,506	378,465,121
117	347,048,053	350,213,753	365,769,992	363,333,659	380,642,013	363,523,642	387,433,946
118	350,243,359	342,075,010	368,395,765	362,665,064	354,722,782	389,581,260	387,973,148
119	356,273,205	346,627,597	364,936,894	360,228,539	364,192,238	369,862,739	370,082,121
120	349,108,547	344,883,721	355,911,006	358,925,236	367,765,310	382,666,192	385,201,327
121	347,160,695	343,352,479	350,042,394	362,736,129	374,568,458	368,231,618	390,679,069
122	354,758,337	351,120,193	351,475,870	351,397,977	363,039,335	374,401,776	378,903,525
123	349,329,816	334,417,975	356,286,827	354,549,278	381,923,015	364,101,634	387,756,413
124	341,363,114	358,568,146	351,567,046	360,175,811	377,960,196	364,234,252	398,930,821
125	350,412,213	347,808,688	362,726,620	375,225,974	348,439,046	373,395,096	374,668,454
126	350,301,774	348,750,185	357,885,125	376,934,892	368,180,132	375,703,926	369,026,243
127	345,443,625	344,159,467	362,919,669	363,982,789	380,886,182	376,322,921	388,885,926
128	353,260,258	353,090,108	344,265,022	370,310,701	371,490,886	373,611,834	367,134,676
129	350,305,622	347,418,084	351,857,174	387,387,710	384,354,701	384,623,084	377,190,849
130	354,433,204	352,658,397	360,018,933	346,652,729	363,089,103	370,437,398	374,363,169
131	347,443,320	356,844,641	354,705,651	359,405,100	366,782,620	382,183,421	372,736,710
132	345,768,305	351,130,559	358,032,170	352,051,927	369,151,147	375,964,475	381,155,384
133	355,274,164	341,225,319	366,856,468	379,632,016	379,894,395	366,139,089	366,642,950
134	351,478,300	353,707,940	356,697,781	382,715,495	357,083,691	378,297,424	359,045,768
135	346,340,360	340,689,326	365,051,130	364,991,535	373,982,760	372,811,710	390,532,372
136	368,244,788	353,829,640	349,829,079	366,175,528	361,523,900	394,674,585	387,540,763
137	335,243,946	360,256,068	357,221,801	368,701,346	357,619,266	375,826,883	389,578,014
138	359,075,315	367,450,839	344,068,485	369,793,205	370,758,475	369,899,556	367,818,814
139	344,016,957	365,046,565	357,827,696	372,069,967	374,054,095	365,281,062	375,406,053
140	358,906,413	349,633,459	367,195,835	357,644,952	363,476,478	377,420,825	381,393,678
141	356,806,941	356,801,709	354,794,258	372,977,821	379,885,990	366,177,093	392,497,631
142	347,773,147	337,027,802	355,574,265	373,515,879	363,001,921	377,968,206	380,855,375
143	348,900,284	340,013,074	359,420,580	364,745,722	372,816,102	368,241,536	396,154,765
144	358,559,678	346,420,450	384,422,159	364,141,859	380,901,329	382,182,005	367,646,440
145	344,569,063	356,297,279	354,792,131	362,983,037	374,527,148	385,995,647	367,594,998
146	341,910,484	346,035,714	364,995,453	371,750,310	369,740,395	367,925,330	384,674,220
147	348,765,269	346,172,767	352,802,540	365,696,010	372,415,461	383,509,539	376,747,310
148	352,265,303	359,325,793	360,480,612	370,803,295	361,543,862	367,726,678	381,948,448
149	362,448,248	357,484,443	349,534,064	362,972,710	375,322,019	384,364,364	391,239,729
150	347,907,075	354,084,484	349,322,798	355,906,033	370,452,136	376,768,932	392,356,058

Draw	2025	2026	2027	2028	2029	2030	2031
151	334,471,065	358,455,576	366,431,680	357,731,570	361,770,332	384,752,513	375,365,618
152	346,801,159	338,724,327	353,587,653	354,010,649	370,675,233	389,759,503	376,576,715
153	348,703,974	349,655,269	361,587,473	371,664,060	371,353,962	371,511,392	371,445,968
154	351,527,786	352,868,500	349,715,552	350,952,575	353,650,028	377,307,861	386,431,136
155	339,565,894	350,376,064	358,491,295	370,950,719	354,489,726	382,702,101	365,066,232
156	355,709,453	342,007,305	367,799,254	364,165,436	366,386,395	375,300,426	375,585,719
157	341,234,555	350,364,639	371,627,201	362,964,348	373,425,777	377,492,429	380,219,526
158	350,106,681	358,340,673	361,700,130	359,790,461	363,345,320	375,732,766	377,394,054
159	335,286,725	360,489,516	363,585,499	369,143,861	362,791,898	380,158,098	359,808,638
160	359,204,304	359,257,789	358,083,971	358,398,221	358,709,273	368,453,287	389,063,566
161	355,337,304	359,765,525	358,550,733	368,174,864	362,122,743	370,064,869	392,361,013
162	345,506,331	344,268,798	348,295,140	367,750,428	381,404,962	363,465,274	381,060,883
163	339,609,079	355,762,784	348,643,932	356,761,532	353,638,486	388,703,204	378,745,264
164	342,515,583	359,729,688	348,702,966	370,262,024	370,397,394	380,322,546	377,762,791
165	342,883,695	352,545,926	364,352,232	369,291,583	363,444,642	369,906,825	384,077,427
166	329,030,956	365,098,623	345,131,861	379,521,631	362,087,969	378,072,938	388,143,543
167	338,040,405	352,532,021	360,197,190	357,998,736	362,571,502	389,728,452	375,929,625
168	335,719,317	353,500,539	367,048,877	365,688,989	351,697,469	377,965,430	386,569,429
169	353,730,631	359,822,767	363,040,313	368,298,902	358,257,500	388,827,193	382,981,336
170	359,805,021	362,966,492	367,670,627	365,619,717	380,202,785	382,887,648	388,892,877
171	351,166,910	353,881,592	343,763,904	354,744,092	366,417,302	357,377,005	379,108,801
172	349,840,358	362,948,105	352,915,885	359,459,066	366,414,745	384,514,191	374,216,716
173	350,710,556	354,534,826	365,467,519	362,864,880	377,681,058	370,884,537	381,278,877
174	357,280,465	362,496,097	352,799,636	364,005,799	350,336,628	384,655,801	392,314,863
175	347,157,881	345,503,981	361,238,075	380,616,212	370,436,897	378,291,831	395,540,622
176	337,923,847	345,322,697	371,991,140	363,300,838	365,741,538	376,192,774	369,716,891
177	352,073,539	350,614,545	355,305,442	375,682,374	383,847,237	378,708,287	382,810,247
178	355,307,754	342,917,974	359,083,921	365,891,312	355,944,580	373,581,709	393,199,715
179	357,813,649	355,278,806	344,882,251	370,367,374	368,014,019	378,766,575	399,528,878
180	342,616,139	354,873,266	347,644,749	359,088,692	375,169,389	388,030,654	376,293,191
181	344,336,045	351,065,281	353,524,659	362,890,606	354,037,958	387,832,083	390,396,349
182	339,581,408	343,195,220	345,329,471	368,092,015	364,131,699	381,346,219	366,186,607
183	344,553,840	346,959,707	347,750,106	357,821,751	371,958,556	374,001,377	387,094,337
184	347,537,623	354,049,228	367,100,428	363,324,995	368,402,336	358,961,283	365,402,777
185	351,616,486	362,688,121	362,554,172	359,267,287	385,323,842	367,074,202	365,491,711
186	345,854,194	349,379,666	362,332,724	365,686,634	369,306,065	361,197,513	383,016,944
187	356,359,515	359,713,249	351,267,179	360,753,403	370,656,796	380,070,930	388,223,018
188	355,347,905	356,750,887	331,030,339	370,963,982	365,154,117	386,188,268	399,007,576
189	349,052,697	361,188,717	354,216,405	365,080,627	371,420,649	386,003,609	367,389,591
190	338,085,701	342,406,812	352,288,357	363,336,461	364,038,306	375,594,671	392,772,802
191	358,007,653	338,364,729	360,922,950	368,245,029	367,469,946	380,907,757	374,279,419
192	346,304,626	369,271,322	364,957,133	344,102,846	359,661,815	374,277,235	379,394,065
193	338,351,791	356,232,167	363,070,762	356,762,287	365,085,514	374,139,521	366,291,281
194	341,606,123	345,659,577	361,957,451	354,897,284	382,493,312	365,306,309	391,025,605
195	355,186,377	355,346,781	354,837,591	370,369,913	369,348,195	391,779,482	389,134,888
196	352,117,564	346,454,908	356,421,599	367,355,595	360,301,876	369,421,849	370,258,626
197	350,220,954	353,586,680	359,403,980	352,881,658	374,086,454	372,265,210	390,890,311
198	347,541,253	348,059,907	358,613,811	354,754,482	368,739,450	373,348,208	370,519,754
199	347,390,758	353,696,918	372,473,310	364,956,294	359,551,339	381,144,016	375,278,433
200	340,142,333	359,210,500	358,062,537	359,370,582	380,913,383	376,798,380	386,728,670

Draw	2032	2033	2034	2035	2036	2037	20-Year Total
1	388,398,475	383,404,911	405,582,825	406,632,318	410,674,269	410,845,643	7,252,444,759
2	400,889,760	399,872,256	410,046,552	406,968,546	420,932,351	407,758,060	7,274,443,067
3	397,339,276	403,367,229	395,468,985	387,860,219	411,973,811	404,968,945	7,208,868,611
4	385,091,440	388,036,006	392,915,395	389,691,246	403,553,925	423,833,331	7,246,169,260
5	392,872,934	385,463,243	389,443,179	388,892,699	428,445,858	390,907,274	7,206,818,505
6	380,330,810	385,000,735	389,585,418	406,929,627	414,973,981	408,176,068	7,224,215,835
7	364,021,174	393,070,785	401,638,001	420,784,722	417,763,709	405,257,722	7,262,259,088
8	388,778,014	390,303,765	400,139,695	406,897,967	419,606,626	428,646,401	7,239,864,993
9	402,847,932	385,968,532	391,543,781	397,365,204	434,941,520	407,858,973	7,217,133,905
10	374,166,949	414,378,571	385,181,799	418,021,174	410,686,261	394,765,014	7,247,701,044
11	377,933,402	411,270,667	393,528,859	387,897,721	402,889,665	396,863,523	7,175,295,596
12	376,122,074	393,188,030	397,423,732	399,139,801	387,535,758	412,786,603	7,185,667,991
13	403,656,464	394,781,394	388,907,988	406,869,969	431,116,383	427,198,500	7,275,781,168
14	398,925,797	390,106,175	419,209,110	404,192,922	403,543,792	439,487,772	7,239,362,224
15	396,690,793	395,796,415	402,031,152	419,896,339	422,805,623	429,276,710	7,330,048,537
16	392,589,294	397,109,574	405,238,745	400,158,161	411,162,018	410,866,318	7,202,856,318
17	376,913,549	393,815,000	388,724,201	387,780,534	410,832,288	437,169,536	7,233,724,392
18	380,536,982	388,335,226	410,475,708	403,071,123	407,184,889	431,372,968	7,283,200,965
19	380,545,987	407,526,661	402,953,157	401,445,862	422,689,730	410,869,482	7,254,369,226
20	389,069,683	389,407,543	398,958,738	421,872,306	433,205,290	412,930,051	7,298,214,944
21	393,626,676	393,272,598	396,153,254	404,921,212	419,811,290	423,206,625	7,240,105,086
22	397,506,251	402,821,597	389,317,939	405,819,599	419,288,668	410,106,336	7,276,426,360
23	392,400,800	389,832,793	401,893,641	387,789,070	402,104,951	421,449,106	7,277,388,874
24	400,099,405	388,366,954	382,338,657	418,260,617	398,788,344	404,180,970	7,274,392,757
25	391,906,241	401,124,599	411,472,290	386,054,006	412,608,064	409,178,102	7,281,455,429
26	389,318,149	400,489,890	395,395,024	395,608,902	394,488,298	429,915,074	7,274,996,312
27	384,614,742	396,103,805	382,667,137	399,394,354	410,051,045	420,231,712	7,215,745,012
28	385,904,290	398,318,519	410,324,385	411,030,171	408,236,233	428,279,202	7,256,208,792
29	385,475,446	398,236,767	379,894,452	400,566,093	395,312,004	427,786,826	7,236,676,858
30	382,620,608	395,070,182	384,257,961	415,461,799	410,522,085	428,276,707	7,297,356,804
31	387,947,674	384,602,871	389,246,613	404,613,215	406,823,195	421,047,168	7,267,507,758
32	382,851,143	391,525,612	396,212,510	410,428,711	413,714,987	405,276,999	7,258,056,644
33	388,925,077	413,688,438	399,690,154	417,029,861	415,726,609	424,168,520	7,288,758,991
34	393,427,098	388,988,259	396,566,991	419,730,564	415,886,517	416,254,965	7,278,338,476
35	400,267,412	386,361,163	411,866,678	389,747,346	393,523,467	411,569,383	7,216,780,152
36	390,020,985	386,803,282	411,975,115	408,994,967	406,296,998	412,591,415	7,282,889,668
37	401,256,757	410,759,704	378,871,590	412,521,361	431,567,920	429,300,260	7,316,123,697
38	386,316,695	401,993,934	395,561,895	411,553,448	413,956,473	429,663,217	7,282,331,642
39	384,068,020	411,066,519	386,192,991	416,292,728	431,008,856	418,344,379	7,223,977,750
40	400,980,789	379,718,607	391,572,015	402,911,513	426,355,204	427,251,112	7,241,627,476
41	384,731,288	391,591,578	424,699,846	399,258,104	414,604,417	423,632,436	7,255,625,671
42	391,600,678	383,748,752	401,526,130	390,886,302	407,450,573	409,224,057	7,225,390,565
43	402,038,783	399,513,879	404,424,230	409,972,461	412,025,609	441,723,605	7,338,806,228
44	383,746,173	394,612,433	402,331,189	404,138,689	400,382,352	414,751,741	7,264,793,477
45	391,879,276	385,273,743	400,940,218	423,113,060	423,342,186	433,541,088	7,290,390,252
46	396,257,546	404,655,684	406,986,826	409,954,796	388,536,159	419,052,674	7,301,987,672
47	358,718,854	392,205,335	398,667,989	401,259,987	398,225,539	407,806,488	7,150,970,616
48	390,373,980	392,140,389	412,458,102	402,768,810	429,543,711	426,072,529	7,357,726,850
49	384,826,694	393,886,886	401,992,747	409,432,881	416,371,434	415,362,248	7,194,035,530
50	391,984,592	393,284,947	410,588,593	402,239,903	425,446,251	407,068,102	7,296,548,620

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2032	2033	2034	2035	2036	2037	20-Year Total
51	396,448,018	402,195,449	403,794,403	412,270,102	401,244,468	408,761,506	7,244,982,839
52	391,299,348	404,199,761	415,176,651	402,665,303	403,186,512	408,040,916	7,283,271,736
53	389,473,154	393,451,371	393,560,766	429,164,951	412,520,749	416,401,758	7,201,591,167
54	375,517,957	386,394,134	395,101,808	406,879,140	415,264,352	435,005,941	7,281,473,772
55	405,149,837	388,475,630	393,294,247	401,198,805	408,615,474	413,094,239	7,214,076,213
56	378,250,728	384,725,734	403,813,109	413,392,888	411,674,638	417,720,024	7,266,539,810
57	388,618,325	398,312,332	400,291,156	405,972,416	409,187,247	435,686,427	7,223,590,965
58	372,983,191	388,234,636	384,290,430	406,228,235	410,978,232	428,612,525	7,227,761,039
59	377,317,070	376,933,110	408,425,759	408,276,161	412,864,461	409,998,841	7,235,511,542
60	373,503,832	387,236,114	418,708,270	419,918,372	419,631,078	408,628,333	7,244,111,770
61	373,392,938	392,875,643	397,781,372	402,726,159	418,124,780	414,229,584	7,231,962,569
62	406,879,385	387,508,155	401,288,367	424,043,684	409,914,575	419,674,511	7,292,223,950
63	376,942,982	391,450,744	405,501,160	412,324,289	401,383,178	435,805,575	7,248,442,301
64	399,439,679	384,309,595	395,705,545	403,865,274	418,143,676	409,465,812	7,245,525,567
65	389,597,614	393,343,444	391,853,554	407,999,538	399,156,414	402,586,290	7,312,834,853
66	378,470,693	380,532,126	394,958,868	398,831,774	410,363,015	403,018,529	7,132,419,153
67	389,318,922	393,760,159	398,749,883	416,333,739	422,049,119	424,097,025	7,308,440,129
68	384,035,168	395,054,116	388,233,568	403,979,208	425,549,620	419,396,823	7,245,187,296
69	378,845,756	396,743,296	383,504,243	405,897,766	403,065,529	410,349,625	7,127,101,949
70	386,047,750	394,802,026	404,505,557	404,319,550	422,582,860	418,350,649	7,305,876,110
71	404,966,467	402,663,487	393,767,350	405,430,966	409,481,599	423,272,356	7,295,142,368
72	405,718,618	398,992,950	406,905,427	408,322,421	411,095,189	413,935,010	7,283,780,520
73	383,263,861	412,326,962	394,623,282	395,056,945	417,568,680	418,587,201	7,240,445,567
74	393,638,476	382,105,904	417,125,582	395,426,467	420,911,259	422,098,149	7,298,072,935
75	390,508,580	382,635,114	380,449,151	410,492,249	399,000,964	407,897,444	7,241,559,924
76	396,483,055	382,152,602	395,659,478	389,741,617	420,726,621	423,277,124	7,269,249,694
77	389,023,001	411,199,220	398,552,503	408,429,659	401,486,444	439,650,601	7,335,430,126
78	368,281,098	407,550,183	400,956,658	416,940,833	403,386,915	429,126,795	7,359,941,984
79	388,597,841	383,750,674	402,351,087	413,215,688	418,478,625	414,929,069	7,245,303,631
80	393,626,837	402,737,292	416,154,779	406,248,111	414,479,164	408,814,194	7,266,978,835
81	395,513,220	407,220,302	392,497,824	413,048,205	418,019,288	402,072,795	7,274,193,629
82	392,677,453	397,151,432	399,685,406	390,391,075	404,899,420	424,872,418	7,238,828,075
83	372,370,569	389,131,486	373,118,427	409,805,555	406,550,412	415,661,502	7,175,395,157
84	373,264,358	391,300,461	388,989,173	419,221,786	395,518,157	400,396,870	7,208,413,594
85	376,330,959	389,955,828	404,407,258	402,580,166	408,236,605	412,023,107	7,197,185,657
86	386,292,948	392,806,763	393,558,102	409,708,182	409,885,147	438,373,049	7,265,467,444
87	390,182,008	401,533,787	393,287,060	405,156,268	422,969,548	405,677,926	7,292,289,204
88	388,737,111	394,733,676	390,470,907	407,096,266	417,707,216	436,722,290	7,258,328,790
89	402,725,032	399,450,521	389,888,609	403,003,778	408,857,935	416,951,494	7,280,303,548
90	407,678,663	392,114,938	390,056,159	403,282,678	404,524,135	415,943,782	7,283,059,182
91	383,086,618	395,934,371	398,943,435	395,978,126	407,930,685	417,385,232	7,241,411,771
92	390,236,817	400,654,878	399,143,089	404,520,742	408,455,327	417,539,176	7,286,392,173
93	395,318,992	398,906,096	393,621,217	417,548,696	422,186,485	431,044,735	7,313,049,372
94	390,225,612	397,456,528	403,716,517	398,918,570	401,766,318	427,286,716	7,325,330,692
95	399,334,784	400,158,293	387,496,856	412,818,755	400,027,090	425,582,916	7,280,749,146
96	377,369,222	411,445,081	427,216,745	410,756,874	416,519,772	402,801,662	7,254,778,291
97	384,390,481	416,048,512	425,629,835	416,288,025	423,967,187	429,305,331	7,339,620,081
98	392,431,469	402,509,169	404,174,126	414,084,452	415,324,956	416,049,381	7,308,703,254
99	392,541,859	390,882,765	389,587,906	399,049,994	429,059,006	413,913,323	7,277,449,757
100	387,763,154	399,814,101	404,520,169	407,762,256	407,695,219	414,818,715	7,240,680,283

Appendix G
Monte Carlo Annual Forecast
Results in Therms

Draw	2032	2033	2034	2035	2036	2037	20-Year Total
101	406,995,428	379,233,861	400,251,361	406,852,413	428,468,882	425,882,037	7,276,213,516
102	388,291,665	396,707,938	394,142,424	393,973,519	412,645,919	423,575,806	7,234,428,155
103	379,137,210	376,789,130	399,303,988	418,856,149	405,780,008	404,925,916	7,217,577,400
104	387,953,583	394,592,198	379,126,430	393,511,482	405,685,391	417,811,825	7,208,654,406
105	391,534,973	402,528,444	411,718,540	403,356,670	406,159,738	425,507,981	7,268,422,773
106	381,568,333	378,375,832	408,258,769	376,681,169	412,597,636	414,552,998	7,167,166,621
107	379,394,429	380,177,321	397,800,062	405,410,063	402,721,265	404,900,612	7,178,708,360
108	383,181,827	412,484,394	412,868,033	406,961,771	428,810,341	427,790,507	7,321,100,364
109	383,825,172	405,743,176	399,446,456	411,080,233	414,438,536	425,836,379	7,310,389,833
110	396,150,307	387,871,378	397,485,588	415,159,653	422,524,605	414,825,705	7,315,031,269
111	386,245,691	413,115,996	393,676,327	401,867,628	413,160,659	398,711,009	7,206,651,481
112	397,844,509	398,586,243	392,273,151	411,467,397	428,327,224	416,115,072	7,265,941,981
113	390,197,831	397,619,243	407,129,794	404,863,374	393,083,666	425,792,145	7,286,528,548
114	394,982,480	399,534,026	401,840,686	400,463,386	414,334,992	408,522,668	7,254,165,909
115	390,642,516	385,890,295	398,558,564	395,372,222	414,902,662	414,175,354	7,204,968,119
116	396,135,581	404,548,757	392,076,499	390,568,745	390,709,803	414,971,248	7,281,120,109
117	405,535,326	400,444,765	401,087,803	391,618,827	437,302,884	399,485,899	7,301,551,325
118	401,075,055	386,321,441	396,734,261	420,638,668	401,486,714	425,985,783	7,280,263,701
119	385,679,415	370,264,141	410,873,797	396,389,300	403,184,660	420,052,823	7,203,490,177
120	403,281,964	394,352,055	373,096,050	411,957,829	413,689,867	405,109,992	7,216,578,944
121	390,508,092	387,984,687	403,045,865	413,568,249	399,094,367	427,918,209	7,250,600,318
122	375,517,905	404,838,605	405,865,740	400,982,901	424,588,557	419,221,579	7,225,712,114
123	381,060,351	384,548,474	386,978,438	391,257,211	411,716,652	413,732,662	7,209,180,979
124	388,287,589	389,132,019	402,901,438	416,235,990	402,104,658	410,079,689	7,260,410,264
125	386,667,365	379,491,979	409,858,785	401,972,197	408,336,189	417,993,955	7,211,178,295
126	395,350,054	390,458,960	399,892,048	404,414,889	407,865,779	422,464,966	7,263,805,019
127	387,256,022	391,126,104	380,599,083	403,362,768	395,906,398	433,647,950	7,240,054,506
128	404,626,659	382,846,859	400,148,040	407,995,224	400,594,521	427,836,843	7,240,029,397
129	387,427,736	412,909,811	401,073,171	410,943,687	420,074,757	414,568,633	7,304,734,800
130	377,720,324	388,170,937	391,463,432	387,469,831	404,461,369	420,650,325	7,156,762,982
131	392,686,641	378,421,861	409,576,766	402,199,063	398,315,793	418,641,327	7,218,787,072
132	393,959,021	394,939,005	420,613,749	394,799,307	413,144,097	422,980,472	7,249,061,757
133	377,352,377	399,870,177	392,853,519	408,999,476	404,777,871	433,349,735	7,265,261,153
134	405,056,296	389,470,664	392,790,178	409,656,078	417,163,434	407,667,020	7,263,531,158
135	379,044,412	403,328,018	404,032,067	401,793,674	424,689,082	418,471,358	7,299,662,953
136	392,557,226	386,197,674	408,220,341	408,486,603	414,083,695	411,962,043	7,299,454,438
137	392,458,702	396,178,902	397,498,145	394,095,327	421,791,685	419,053,095	7,251,439,651
138	383,556,661	376,505,839	416,949,872	408,832,009	415,223,406	423,851,581	7,245,880,161
139	395,761,216	396,679,641	380,843,502	391,072,835	405,397,292	405,475,848	7,228,027,672
140	371,713,336	387,612,402	393,109,774	412,603,984	404,904,870	435,043,612	7,228,016,160
141	382,078,061	386,940,703	392,095,731	430,496,862	416,162,290	408,773,720	7,289,948,184
142	400,430,516	391,690,357	402,604,036	400,175,926	405,684,805	407,878,604	7,249,166,860
143	384,078,842	395,633,662	400,519,048	397,307,941	417,127,227	414,996,516	7,235,554,431
144	403,729,013	385,593,373	396,328,440	394,076,536	393,747,472	418,933,233	7,241,805,158
145	396,502,650	390,967,484	393,754,488	419,005,097	428,304,819	432,358,366	7,331,874,012
146	392,037,527	389,996,047	402,763,889	410,181,287	416,678,456	418,858,325	7,259,393,150
147	397,383,693	393,611,178	405,156,474	389,898,039	420,409,584	405,687,005	7,240,582,118
148	376,925,004	386,268,570	396,047,859	396,620,907	410,870,696	432,235,505	7,244,574,173
149	401,807,032	387,125,629	396,671,006	400,486,465	411,285,702	412,348,346	7,280,297,302
150	383,393,393	405,071,159	386,344,677	402,816,983	399,910,614	418,426,091	7,268,156,118

Draw	2032	2033	2034	2035	2036	2037	20-Year Total
151	396,230,058	410,719,832	396,439,358	406,845,641	409,687,644	407,184,570	7,272,729,780
152	375,600,683	385,399,952	398,613,812	410,018,964	421,434,542	423,913,421	7,228,228,626
153	391,882,171	386,285,436	399,217,561	402,476,343	417,704,664	413,281,755	7,239,136,678
154	370,525,492	375,695,477	405,230,219	406,362,032	401,459,555	426,719,338	7,176,492,264
155	379,829,710	413,038,099	396,951,962	398,975,236	421,424,909	419,512,081	7,222,558,322
156	390,539,969	378,331,563	379,424,098	408,138,968	413,189,084	425,239,865	7,244,757,064
157	383,364,200	370,218,447	395,681,932	400,821,517	407,722,425	410,358,755	7,189,965,392
158	386,036,469	384,635,672	393,073,211	412,956,249	397,370,743	429,242,672	7,276,731,478
159	385,074,145	402,066,776	399,415,250	404,953,682	410,372,376	414,698,274	7,209,522,847
160	391,783,968	388,394,954	380,597,945	387,166,785	418,200,552	399,865,793	7,224,520,940
161	394,939,408	386,975,898	401,499,745	418,218,205	400,517,952	418,157,100	7,288,161,300
162	378,079,809	394,085,039	380,836,195	418,405,957	413,507,434	417,687,987	7,229,773,143
163	398,206,015	393,076,411	391,370,513	394,606,307	407,430,859	406,220,953	7,186,801,447
164	396,934,377	376,869,124	404,850,594	398,394,496	409,124,198	407,734,142	7,216,242,658
165	402,108,860	384,342,752	392,046,044	403,393,938	420,672,868	402,767,655	7,240,809,194
166	392,279,505	395,032,126	401,305,770	388,346,809	412,194,706	412,101,621	7,245,256,130
167	410,266,771	403,459,305	412,760,003	407,762,955	398,085,694	431,933,756	7,281,462,009
168	395,502,044	390,529,802	413,694,438	403,359,065	401,823,358	411,404,618	7,233,584,053
169	386,940,193	405,352,257	396,404,625	415,921,956	421,016,479	424,523,598	7,339,899,265
170	386,652,354	398,140,590	401,411,869	415,767,272	404,495,095	411,079,017	7,314,773,515
171	395,192,027	398,835,342	394,351,174	398,554,667	406,449,445	424,482,128	7,231,962,284
172	402,745,521	385,300,095	396,564,431	410,527,423	404,531,340	414,566,492	7,257,283,509
173	380,155,388	388,978,729	398,175,223	402,729,259	414,228,138	410,768,076	7,246,906,738
174	383,311,278	404,459,049	407,874,500	403,393,366	415,264,069	427,383,272	7,293,016,894
175	385,769,882	389,170,300	402,672,644	390,547,586	402,707,361	415,618,621	7,250,863,937
176	395,870,031	391,281,378	419,171,426	400,960,314	424,558,446	420,691,139	7,234,608,171
177	380,637,079	403,357,320	411,726,390	405,527,284	398,026,786	416,151,651	7,264,085,996
178	381,145,244	382,847,521	405,030,704	404,791,075	416,349,404	409,511,511	7,241,541,028
179	393,054,559	397,289,319	395,518,889	393,427,967	400,197,825	427,585,924	7,247,791,578
180	388,564,240	393,663,480	398,595,713	417,411,058	409,883,258	414,245,555	7,257,177,967
181	392,606,355	401,098,034	401,323,216	388,968,868	404,462,321	407,905,100	7,248,191,229
182	381,610,139	396,374,489	404,055,107	405,602,135	424,089,524	403,952,058	7,212,700,857
183	380,155,010	391,913,417	413,499,310	410,290,611	414,376,665	406,953,892	7,198,438,180
184	384,588,191	391,923,557	387,396,969	381,791,458	395,450,649	404,152,476	7,132,857,358
185	391,914,516	384,056,390	415,028,735	411,423,221	414,626,863	433,025,058	7,316,114,200
186	392,441,102	387,559,947	402,521,258	399,239,527	407,677,663	408,134,609	7,224,992,052
187	390,592,409	397,762,169	393,447,470	404,500,898	401,873,937	404,242,961	7,292,466,923
188	405,175,940	396,819,592	398,213,320	412,630,978	412,446,532	428,329,260	7,328,639,302
189	392,206,255	398,650,690	389,538,645	415,453,468	399,325,934	409,190,803	7,251,125,249
190	385,714,420	404,621,416	401,152,349	388,688,570	406,188,412	418,850,685	7,202,181,710
191	377,254,293	405,470,489	386,082,669	408,666,943	415,786,485	424,952,934	7,238,488,171
192	375,036,219	414,708,363	397,394,637	395,027,187	420,480,933	417,478,453	7,215,390,771
193	399,996,317	394,557,030	408,268,517	418,535,557	415,171,063	430,997,035	7,279,487,938
194	395,669,742	392,642,459	394,057,358	401,907,876	416,904,953	421,760,492	7,272,596,474
195	380,036,694	395,986,294	388,633,347	414,418,016	415,661,107	406,527,753	7,253,368,177
196	383,479,409	395,191,264	392,557,578	416,904,646	408,149,310	414,246,834	7,232,777,079
197	383,755,914	392,782,113	384,048,438	405,822,027	418,616,212	427,997,167	7,275,295,456
198	394,954,126	385,439,885	410,436,437	390,841,396	406,125,746	417,087,680	7,184,860,405
199	376,525,559	400,794,392	418,182,376	413,712,916	421,940,078	417,207,120	7,295,788,397
200	400,297,950	403,941,210	414,382,788	412,832,770	402,825,738	403,439,026	7,319,441,344

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2018	2019	2020	2021	2022	2023	2024
1	151,296,909	153,800,627	156,990,442	158,388,297	163,632,918	169,344,724	170,634,604
2	148,411,490	158,034,245	154,117,660	163,687,099	162,462,941	164,310,701	178,665,839
3	147,251,783	152,017,661	152,581,125	163,046,371	163,921,554	166,264,063	175,470,006
4	150,552,204	154,742,836	150,421,472	157,651,412	165,173,863	170,061,606	166,911,479
5	152,881,091	156,074,928	152,600,273	160,598,403	163,241,491	169,368,891	171,354,798
6	147,553,525	157,311,318	152,195,931	161,388,831	166,132,600	171,031,806	173,053,980
7	152,198,448	157,147,136	151,591,258	163,969,932	164,190,193	173,965,644	170,937,375
8	150,983,509	155,774,007	153,090,918	157,981,969	163,961,690	169,182,669	169,777,581
9	147,379,682	154,303,233	150,233,385	159,099,896	161,226,107	169,331,374	167,552,845
10	147,214,335	156,962,112	156,953,417	160,646,963	166,222,500	166,502,260	169,984,748
11	149,019,729	155,623,726	151,805,372	162,232,098	163,628,472	164,663,362	168,748,787
12	145,687,599	158,790,890	155,205,688	159,732,340	163,488,893	164,647,647	166,263,487
13	149,199,300	155,137,926	156,530,578	157,653,051	163,752,032	165,277,015	171,373,216
14	145,374,635	154,496,217	149,452,574	163,210,067	163,682,700	167,864,492	170,582,228
15	155,080,163	155,268,609	158,106,650	159,020,281	164,423,755	171,891,577	171,844,758
16	144,048,313	154,204,828	151,876,329	157,128,041	161,315,480	166,473,771	164,424,631
17	151,313,583	157,978,301	157,443,220	160,484,030	165,884,196	167,033,625	168,764,234
18	151,484,036	154,156,711	154,084,332	163,425,794	163,970,811	168,325,109	170,046,817
19	148,653,193	155,204,154	149,442,241	163,021,828	162,939,682	166,258,413	171,556,213
20	147,170,627	157,558,804	150,569,326	162,072,455	166,682,872	172,900,349	173,157,564
21	149,617,015	155,796,918	155,162,464	158,197,750	164,581,792	164,836,956	172,674,164
22	147,494,543	153,609,464	155,150,937	160,253,650	161,389,598	165,413,742	171,747,521
23	154,489,212	158,522,653	157,506,610	160,507,092	172,019,324	166,100,426	171,786,365
24	150,534,775	155,455,001	158,429,892	163,451,196	169,053,502	165,243,112	170,561,445
25	148,661,858	160,010,388	158,083,124	162,926,388	168,212,419	170,436,550	170,355,087
26	150,505,047	156,507,785	157,172,219	163,176,241	166,173,205	171,530,225	170,571,250
27	148,111,334	156,463,253	154,792,631	160,548,156	161,307,674	169,789,277	166,483,579
28	148,872,200	153,526,713	157,711,596	158,880,656	166,561,698	164,551,651	168,119,270
29	150,986,631	157,783,113	149,166,666	156,972,229	166,104,677	167,692,098	170,884,688
30	147,778,218	155,413,792	155,547,982	156,379,893	168,043,339	168,142,401	167,744,595
31	148,996,723	155,259,079	155,248,712	164,285,278	165,387,964	171,639,700	173,155,538
32	148,752,007	156,491,488	151,587,056	159,761,379	164,706,178	170,963,154	167,077,332
33	149,417,824	155,884,845	159,743,799	158,460,056	162,599,013	166,169,248	167,917,790
34	151,094,301	156,485,828	152,742,875	157,958,148	166,496,504	168,796,551	167,508,020
35	149,476,630	153,951,980	154,619,554	164,575,603	167,292,922	162,972,926	171,910,463
36	150,496,696	158,248,961	151,461,449	161,538,278	166,375,086	165,877,561	173,800,063
37	148,669,997	152,738,729	153,866,828	159,406,385	168,486,447	169,126,766	163,562,859
38	150,353,692	157,548,999	150,600,442	159,886,047	161,395,577	164,740,357	168,218,210
39	149,752,667	155,952,076	150,890,609	163,421,080	162,814,567	164,784,241	171,642,555
40	150,119,331	152,419,176	156,736,841	160,090,364	158,974,077	163,271,482	167,361,600
41	148,170,870	156,127,576	152,935,222	160,419,638	165,727,456	163,369,975	167,003,495
42	146,912,399	152,149,396	151,618,841	159,688,215	166,836,444	168,359,486	169,252,545
43	151,784,873	164,028,771	151,339,638	163,414,139	164,984,311	166,583,538	170,465,723
44	150,106,672	155,293,526	152,627,276	159,142,097	167,195,126	168,194,716	167,818,997
45	148,887,072	157,570,498	151,532,613	162,222,049	164,851,463	168,169,044	165,483,900
46	151,354,231	158,314,167	158,551,403	161,931,168	169,526,043	169,705,577	170,267,379
47	145,188,226	158,274,161	152,177,575	166,237,408	158,343,920	164,248,503	166,855,310
48	148,544,481	158,461,226	157,437,273	164,310,543	161,449,070	174,896,133	173,781,766
49	149,391,303	152,754,563	151,445,378	159,228,153	164,945,356	170,326,646	172,543,910
50	153,163,188	154,986,330	154,205,805	158,277,046	169,112,413	169,498,599	171,166,854

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2018	2019	2020	2021	2022	2023	2024
51	150,989,668	160,055,311	148,729,535	165,676,330	164,304,563	172,201,575	167,335,955
52	148,942,605	157,195,883	155,608,929	161,142,838	169,191,484	168,769,945	168,684,097
53	143,564,234	157,711,376	157,935,312	157,832,640	161,161,634	162,500,978	168,608,555
54	154,512,813	157,466,225	152,720,255	156,982,792	166,586,433	170,367,393	167,086,243
55	147,628,504	157,536,026	155,702,877	158,264,819	160,638,172	169,848,229	169,741,267
56	147,342,776	157,587,138	152,292,783	163,076,062	159,156,665	171,076,703	171,991,168
57	142,779,099	156,656,352	153,588,886	161,673,154	168,060,627	165,523,808	169,404,679
58	148,463,202	156,924,518	152,403,743	165,656,656	163,367,676	163,427,351	176,463,897
59	147,442,851	156,514,225	155,495,608	158,929,119	162,501,087	168,594,484	165,135,388
60	148,654,300	154,902,056	155,956,165	162,474,117	165,679,487	165,386,459	166,039,757
61	150,113,723	156,253,150	156,266,927	159,787,604	166,322,847	171,002,613	172,011,450
62	150,497,133	157,018,962	154,101,518	157,509,002	162,538,743	165,934,767	169,984,413
63	149,485,274	158,518,168	154,932,811	162,531,851	161,520,029	167,329,030	170,012,759
64	155,712,023	157,909,563	152,836,573	163,972,456	162,753,211	166,776,197	162,219,385
65	153,751,629	159,308,330	153,482,674	164,317,422	162,902,539	169,593,820	175,903,750
66	147,121,393	155,403,248	153,702,924	159,796,636	161,767,467	164,328,786	167,085,874
67	147,957,741	153,870,954	155,711,093	161,203,494	168,166,889	169,675,885	164,495,598
68	151,187,134	153,583,915	149,951,556	163,726,051	161,062,974	165,891,089	173,633,084
69	148,217,366	153,201,232	152,342,372	162,292,086	161,570,412	167,153,022	170,452,861
70	147,868,926	155,251,549	156,544,536	163,719,503	167,229,402	164,488,461	167,399,332
71	151,923,887	155,666,205	150,710,120	162,086,213	169,477,595	166,844,456	166,680,718
72	148,130,271	156,062,978	159,032,049	160,649,864	163,860,714	166,264,359	165,680,563
73	150,415,668	157,062,339	154,664,225	158,277,309	164,045,971	167,888,871	168,006,809
74	146,267,957	159,779,477	152,743,541	160,642,585	165,627,536	164,315,444	174,142,299
75	149,195,921	154,559,060	156,961,418	158,986,438	165,829,411	167,085,628	173,773,142
76	149,166,979	157,789,673	153,040,974	159,012,795	165,000,873	167,720,693	174,387,564
77	148,628,216	155,324,476	153,371,191	164,521,100	168,764,692	167,000,701	170,193,249
78	154,011,313	156,477,673	156,130,865	163,857,083	165,626,199	169,537,454	173,722,142
79	148,653,509	154,026,463	151,067,683	162,691,449	164,333,972	167,851,786	169,265,089
80	146,871,815	158,566,390	155,770,530	159,766,398	165,152,049	166,904,489	171,481,425
81	144,680,493	151,655,536	156,796,485	161,507,583	163,621,396	167,879,926	171,408,539
82	147,455,545	154,769,937	151,109,604	164,630,623	167,989,395	165,397,403	169,206,822
83	148,129,061	155,239,603	152,974,499	158,933,614	171,507,303	164,725,455	165,310,833
84	147,852,708	158,609,013	155,849,820	162,205,658	166,348,162	168,978,979	167,167,958
85	145,943,255	151,399,690	152,113,775	165,597,019	161,114,262	165,230,839	167,775,996
86	147,917,420	159,068,823	152,303,860	159,511,041	164,688,282	164,827,338	172,863,768
87	149,247,438	153,460,374	157,568,088	160,595,825	169,741,396	168,127,883	170,487,817
88	148,919,445	158,024,587	157,326,425	160,618,894	167,498,654	163,112,404	165,623,752
89	152,648,410	157,020,245	149,681,004	164,879,914	166,703,413	172,064,365	167,585,583
90	147,123,477	157,643,673	151,303,362	162,561,672	168,884,426	167,886,677	167,143,028
91	149,102,166	153,927,515	153,524,963	162,844,714	164,149,887	163,596,243	170,762,740
92	149,243,291	158,985,884	159,313,511	165,760,307	165,031,028	169,586,093	166,269,452
93	152,918,488	156,342,143	153,891,684	156,686,092	166,517,888	167,408,295	173,618,376
94	151,454,380	156,833,062	151,942,180	164,405,891	169,695,114	167,645,816	169,052,733
95	150,753,352	158,772,142	157,341,406	160,049,664	164,710,478	166,013,449	166,819,349
96	147,314,095	153,439,723	150,943,159	158,895,338	164,077,495	168,413,035	164,143,228
97	149,242,654	154,409,775	155,751,688	163,250,381	160,271,637	165,486,197	169,434,953
98	148,183,545	156,128,523	150,262,584	167,635,521	158,617,373	172,155,963	167,476,382
99	150,797,030	153,106,821	156,105,225	161,479,873	162,079,493	163,806,805	168,891,165
100	152,409,745	159,237,515	151,149,384	161,866,322	170,642,444	164,341,715	171,118,371

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2018	2019	2020	2021	2022	2023	2024
101	147,151,697	157,970,104	154,810,799	159,656,415	161,201,904	165,723,751	165,666,479
102	147,449,765	155,633,057	153,519,113	160,344,411	164,908,453	171,643,654	172,761,782
103	149,143,381	153,720,106	151,414,407	160,525,994	162,012,763	163,122,565	166,299,092
104	151,177,704	157,860,789	150,960,495	161,540,667	161,337,059	167,478,345	169,666,265
105	148,613,071	160,202,112	153,665,038	161,767,660	163,703,186	166,872,459	168,682,243
106	145,742,708	152,314,525	151,464,968	163,161,991	164,165,763	170,479,459	169,322,754
107	150,949,618	155,054,835	150,987,734	158,554,874	170,452,279	164,729,835	173,269,204
108	149,555,087	160,788,689	153,848,181	159,482,530	164,813,444	169,604,235	166,009,848
109	149,847,069	156,517,428	151,799,813	161,280,165	163,460,620	167,840,608	172,392,931
110	149,237,633	156,565,060	154,151,715	156,927,367	165,297,798	166,303,096	174,399,851
111	148,792,881	155,085,043	149,496,188	159,982,711	167,671,603	166,759,394	169,117,828
112	152,464,082	158,526,852	155,990,898	156,859,578	167,020,129	167,609,669	165,351,630
113	145,158,308	154,720,141	155,802,879	161,414,850	165,821,368	170,336,432	168,878,051
114	147,796,388	156,666,101	160,559,344	162,158,267	161,806,072	168,202,908	170,520,152
115	148,286,271	157,113,039	154,999,313	162,272,536	166,042,955	164,171,287	174,692,656
116	150,787,200	157,056,146	155,250,854	162,826,109	167,377,749	170,374,956	170,609,045
117	149,448,689	161,014,127	156,092,775	160,152,302	164,946,465	168,203,410	166,301,373
118	149,602,126	156,508,706	155,185,731	160,982,240	166,422,725	164,610,921	168,386,688
119	149,599,974	160,229,552	152,146,604	159,326,368	164,680,158	167,378,365	168,040,970
120	148,240,485	160,724,990	153,654,169	156,892,234	161,761,050	162,197,684	171,787,218
121	149,673,257	157,562,610	155,996,933	157,956,193	164,697,443	167,372,823	169,933,616
122	149,772,356	154,527,218	156,518,981	160,433,338	162,940,646	162,020,946	168,243,664
123	147,454,268	157,868,757	152,175,359	161,581,648	166,091,953	173,269,080	170,878,968
124	151,106,635	157,763,097	151,022,738	162,332,222	163,045,485	171,148,343	170,383,737
125	148,599,938	160,511,743	151,830,553	159,002,924	164,265,095	164,639,487	166,778,245
126	149,248,009	157,415,592	155,456,080	162,621,866	164,737,054	164,882,767	170,294,031
127	154,539,894	153,797,759	155,722,351	162,937,914	163,989,530	165,512,091	162,299,848
128	150,425,349	157,670,386	153,964,872	160,743,514	164,473,660	165,557,917	167,877,687
129	146,748,063	156,539,081	151,075,789	160,106,909	163,348,012	168,308,753	171,298,483
130	148,095,209	157,741,229	153,664,714	162,699,463	163,781,926	162,408,621	165,408,964
131	146,222,046	157,161,995	149,542,464	161,921,663	166,053,798	167,474,188	169,559,375
132	148,082,433	154,979,195	154,178,530	164,758,329	163,930,181	163,937,732	165,347,342
133	149,585,938	155,388,449	155,429,396	163,532,519	162,818,986	165,907,514	167,676,476
134	146,694,687	159,032,166	155,804,344	163,155,645	164,917,009	164,313,305	173,195,704
135	148,763,438	160,672,838	153,890,314	161,889,389	164,261,252	169,843,271	171,413,236
136	147,440,267	158,877,140	151,305,608	163,433,440	162,236,392	168,372,151	172,886,521
137	147,769,010	160,906,325	155,906,126	162,013,461	163,088,744	167,639,516	164,137,840
138	148,789,534	154,744,358	151,514,060	158,546,628	167,445,215	166,072,622	169,446,536
139	152,886,881	154,452,378	156,117,628	161,172,277	163,187,225	167,879,435	167,604,544
140	151,169,581	155,675,313	151,707,381	162,785,393	160,959,581	168,125,180	163,432,302
141	148,067,650	156,502,591	156,695,150	158,586,031	165,443,321	168,679,568	169,491,675
142	149,404,962	157,033,003	153,428,905	163,789,668	164,489,785	166,123,313	174,331,698
143	146,622,287	154,744,275	156,311,168	158,676,136	159,478,212	170,842,946	170,212,454
144	146,292,929	155,114,577	153,828,521	157,219,029	165,589,602	162,960,687	173,264,108
145	146,984,141	156,558,935	151,480,553	170,662,038	165,485,021	168,565,190	174,181,021
146	150,494,617	157,538,769	153,261,297	165,296,594	162,134,753	168,620,706	161,336,441
147	151,079,542	159,475,513	157,719,108	155,326,395	164,595,263	164,921,964	167,410,724
148	144,797,714	157,430,449	159,281,378	157,764,736	164,365,931	168,574,438	169,606,276
149	146,231,316	157,304,813	154,694,124	159,847,794	167,367,308	169,244,381	166,793,620
150	151,840,198	161,947,412	154,365,909	165,066,423	161,993,964	166,789,087	170,003,770

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2018	2019	2020	2021	2022	2023	2024
151	150,821,238	156,120,568	157,335,394	161,476,328	167,999,458	164,295,187	168,339,925
152	146,534,121	156,653,812	153,367,730	163,245,591	162,770,686	168,367,108	167,235,290
153	151,468,891	155,890,536	153,238,548	160,880,747	161,126,958	166,065,267	170,433,331
154	147,038,024	155,294,513	150,671,145	163,672,487	162,681,180	170,563,707	164,173,448
155	148,160,060	157,515,060	152,179,420	152,706,917	167,601,837	167,638,356	169,702,125
156	153,640,167	156,181,612	155,331,576	160,207,440	162,948,061	165,900,925	175,540,440
157	148,479,083	151,660,396	153,571,650	163,630,227	165,874,109	165,691,529	165,490,545
158	149,638,913	154,759,237	156,894,173	162,976,470	168,416,021	168,236,481	173,999,163
159	147,749,374	157,041,019	152,057,158	156,322,869	162,185,027	166,609,925	169,896,994
160	147,678,534	155,502,311	157,628,036	159,269,797	167,053,003	170,714,028	172,736,391
161	150,961,173	157,296,314	152,841,188	156,449,113	167,072,535	169,439,642	172,120,565
162	148,833,111	158,405,111	154,811,834	159,863,806	166,015,799	168,276,326	169,336,828
163	150,843,343	157,919,685	150,249,396	157,915,748	167,343,748	164,082,720	167,634,156
164	152,855,729	158,300,395	156,296,999	155,981,820	160,644,798	168,259,647	163,599,317
165	151,334,886	155,653,128	154,011,074	163,266,217	165,787,603	165,135,893	167,158,657
166	149,588,600	160,650,143	152,135,790	161,103,282	163,311,655	163,670,025	174,115,299
167	145,983,411	159,200,256	152,432,295	156,221,736	166,766,948	166,947,908	170,332,938
168	147,405,453	153,561,348	154,025,335	162,097,941	163,448,612	164,602,962	172,604,909
169	154,159,268	158,509,455	155,329,562	159,730,846	164,608,581	169,355,018	171,068,559
170	150,017,773	155,774,350	151,913,469	165,105,503	163,909,840	165,973,941	170,258,237
171	150,580,651	154,745,016	154,218,142	158,917,657	167,243,515	171,018,648	172,563,189
172	147,286,496	157,569,886	155,176,264	160,672,887	167,362,796	165,106,906	170,414,484
173	147,215,229	156,698,944	152,473,919	163,280,226	164,768,279	169,859,566	167,170,468
174	146,388,170	152,707,229	158,297,971	158,201,303	166,203,914	171,493,708	169,318,088
175	150,764,083	159,963,042	151,259,815	160,263,094	164,438,043	168,021,130	167,602,384
176	147,550,849	158,119,198	151,049,698	158,932,154	163,207,657	162,154,185	167,878,222
177	148,657,565	155,379,546	151,629,383	159,735,127	160,669,701	167,564,166	171,911,456
178	147,530,166	158,157,962	155,028,161	160,362,855	163,893,807	169,027,069	168,944,893
179	145,720,504	156,560,224	156,821,513	158,243,656	161,175,147	166,749,396	166,364,285
180	150,911,116	157,283,392	155,311,461	155,564,745	166,345,277	170,188,075	168,313,753
181	151,758,854	156,321,687	154,855,820	164,178,235	167,400,904	165,088,526	168,128,375
182	150,135,165	153,759,774	156,110,794	160,123,756	164,270,491	165,351,490	171,750,531
183	147,002,129	153,123,754	151,527,432	163,610,717	161,457,660	166,124,569	164,958,115
184	149,849,950	152,850,803	154,367,465	157,768,675	165,002,541	165,401,446	167,537,514
185	149,355,898	156,214,860	155,782,941	165,340,559	161,963,181	167,319,302	175,435,603
186	148,973,314	154,968,344	150,466,245	162,746,400	165,651,026	170,823,895	167,777,312
187	152,593,634	156,822,251	157,509,592	159,445,059	167,212,140	170,961,553	172,552,436
188	147,267,606	160,735,862	158,130,517	162,205,405	167,928,463	164,573,720	167,345,148
189	148,222,958	154,506,749	161,096,799	161,451,002	162,714,209	169,732,749	164,938,317
190	153,037,651	152,994,510	150,969,307	157,993,019	161,734,389	167,955,839	169,031,683
191	146,598,709	155,249,601	156,468,264	161,747,179	165,378,204	164,816,499	166,035,480
192	146,790,463	158,985,065	149,787,632	164,597,888	161,455,837	165,765,707	162,796,676
193	148,201,383	155,062,146	152,288,136	162,156,457	167,395,200	169,716,282	168,086,179
194	145,194,681	155,995,237	155,368,246	163,403,785	170,793,754	167,760,662	167,484,730
195	146,607,785	153,812,973	155,621,609	157,178,048	165,580,439	165,632,434	168,191,370
196	152,510,767	157,784,964	155,115,038	159,851,985	164,270,444	161,894,796	174,158,838
197	151,824,403	154,689,391	157,132,358	162,277,745	164,685,939	169,350,538	169,129,041
198	148,442,087	153,814,391	150,883,104	162,583,636	164,216,197	163,388,145	165,709,973
199	152,954,505	156,124,128	151,815,950	162,304,166	163,062,060	171,268,333	164,188,747
200	151,573,055	157,212,096	157,475,592	163,096,358	167,560,842	170,634,770	167,367,086

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2025	2026	2027	2028	2029	2030	2031
1	170,940,571	183,900,195	178,331,487	180,672,867	194,854,968	199,104,386	199,993,484
2	172,703,961	177,034,462	184,860,351	184,486,219	194,804,688	197,841,055	199,275,968
3	171,279,891	181,384,424	193,030,391	192,176,625	198,395,314	205,478,410	202,028,474
4	180,325,916	181,398,634	178,127,207	188,772,022	196,913,716	194,168,524	192,087,336
5	176,885,668	180,559,081	176,633,415	184,523,358	200,224,405	196,224,188	196,526,949
6	179,367,871	178,433,271	180,344,085	185,103,690	198,030,623	194,156,309	200,530,897
7	172,637,029	178,471,764	176,080,027	182,212,581	197,294,781	200,680,469	202,604,686
8	173,097,335	174,260,602	184,306,153	190,907,738	192,000,974	202,182,933	201,978,750
9	174,656,098	185,872,311	178,941,266	179,006,921	197,950,836	205,828,397	199,584,638
10	177,521,612	178,916,788	174,111,717	187,680,230	190,588,104	198,524,605	204,743,308
11	177,446,756	180,679,966	182,232,861	182,096,422	195,576,696	201,929,341	203,130,289
12	175,515,638	178,491,128	184,129,776	182,347,224	197,107,343	199,907,386	197,129,028
13	176,117,052	178,768,120	182,585,922	186,009,555	194,733,133	195,253,964	192,445,486
14	174,570,994	179,016,075	178,506,119	187,512,566	193,403,281	200,240,035	206,141,900
15	174,877,086	175,861,597	181,084,717	188,247,484	199,412,699	205,145,026	202,199,896
16	175,573,694	171,892,521	179,952,413	183,858,448	192,157,586	206,363,357	204,720,886
17	179,784,651	175,567,347	183,478,323	187,366,266	197,546,089	202,193,199	203,125,876
18	178,392,215	178,440,220	184,757,736	179,766,116	200,750,654	195,571,292	205,381,429
19	175,307,465	178,022,034	191,419,493	186,695,042	193,372,001	200,509,444	198,743,620
20	171,849,466	177,521,775	179,379,422	189,435,948	198,930,455	192,237,722	200,540,445
21	179,707,509	181,362,107	179,425,690	191,819,408	200,667,408	196,380,891	204,137,853
22	180,198,647	180,060,118	178,599,895	181,312,559	195,200,849	194,753,627	205,480,166
23	175,270,730	180,450,835	182,738,822	183,524,458	196,173,777	203,004,289	203,779,281
24	175,196,499	176,086,243	182,439,274	189,199,451	198,433,999	200,568,985	198,210,844
25	171,861,499	175,632,098	183,268,850	185,191,704	202,167,990	199,121,983	201,070,013
26	175,319,483	179,283,769	184,143,782	185,363,758	203,971,705	194,128,523	198,455,119
27	172,503,308	179,476,322	181,286,785	186,764,142	197,980,354	191,908,634	208,492,409
28	176,507,073	182,796,407	185,187,209	190,161,305	193,801,740	201,743,799	203,170,717
29	180,425,543	183,438,709	182,647,190	190,539,259	198,837,916	203,728,907	200,552,110
30	171,115,095	177,225,831	183,616,766	186,787,256	191,851,274	209,090,372	206,610,669
31	178,217,985	181,647,618	183,589,543	186,402,600	195,358,501	202,297,801	202,322,428
32	178,650,257	180,612,831	183,262,693	183,183,540	192,273,771	199,308,444	202,740,184
33	181,137,054	181,119,510	179,315,851	179,654,808	194,517,969	203,008,215	209,752,977
34	175,046,629	183,603,203	178,641,313	183,198,947	192,640,814	201,374,432	197,435,986
35	177,568,540	180,699,490	176,434,104	188,588,391	198,005,444	198,201,831	209,422,810
36	174,960,788	185,585,325	185,188,408	188,797,158	197,676,733	196,522,556	204,905,940
37	177,837,005	178,679,337	185,055,632	187,086,024	201,044,043	202,112,780	200,975,678
38	176,009,839	173,832,536	179,658,738	180,755,520	198,362,170	195,970,651	196,516,655
39	178,638,424	176,437,021	183,453,368	188,391,088	197,590,733	201,761,396	201,904,031
40	173,070,912	179,457,122	180,659,477	190,931,630	192,662,646	196,675,358	207,710,122
41	179,712,879	178,261,745	181,476,578	190,049,550	195,517,580	202,399,775	201,710,535
42	170,545,433	177,110,021	187,768,567	184,936,135	199,433,565	203,093,049	200,862,991
43	174,670,708	183,941,318	185,950,350	182,204,781	197,829,929	200,310,380	208,814,919
44	180,104,480	180,287,369	177,411,590	188,466,669	198,209,457	199,706,601	197,724,430
45	181,024,860	174,375,172	178,477,962	184,499,064	195,107,441	197,472,760	207,438,913
46	173,113,326	177,931,316	179,736,934	185,842,772	193,871,153	200,468,211	206,314,343
47	174,198,436	181,392,641	182,409,516	193,123,050	195,000,526	204,645,688	199,774,555
48	174,256,931	180,450,812	175,734,248	180,833,405	195,052,333	191,544,286	199,153,951
49	176,776,296	174,991,735	182,425,074	185,515,647	191,928,856	204,592,262	207,428,293
50	175,287,008	177,815,957	185,698,048	187,795,352	196,068,500	201,169,769	207,352,324

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2025	2026	2027	2028	2029	2030	2031
51	171,771,991	176,279,247	181,682,114	180,050,584	197,332,089	199,900,309	199,562,415
52	177,042,500	179,272,483	183,084,266	186,216,556	198,768,446	199,418,479	197,613,604
53	173,959,041	176,257,786	183,928,317	188,365,336	193,406,793	196,948,768	194,483,182
54	178,188,344	178,249,021	184,407,663	189,346,804	194,880,024	198,972,043	204,423,743
55	176,113,469	178,757,388	180,919,894	180,479,341	191,397,458	199,912,236	200,490,573
56	172,144,072	174,858,714	181,948,148	190,721,233	200,048,747	203,766,578	203,877,361
57	173,637,113	174,213,410	178,044,873	178,627,636	196,962,001	198,797,877	201,231,249
58	174,686,919	177,906,540	178,285,171	188,618,505	196,042,279	196,476,382	201,580,521
59	179,927,870	179,350,804	187,690,471	184,014,367	194,653,520	199,653,767	200,941,842
60	174,059,636	178,361,002	184,933,577	181,909,450	192,864,085	201,075,270	199,949,330
61	170,994,052	170,939,958	182,192,771	184,808,874	197,902,441	193,540,361	209,535,162
62	175,243,767	181,550,290	185,264,651	188,707,856	199,199,142	200,831,473	197,712,575
63	172,556,932	177,087,884	179,418,840	186,822,354	196,494,010	196,532,321	203,837,923
64	179,878,210	173,932,486	180,020,300	187,928,075	196,365,849	198,348,812	204,441,024
65	175,683,157	177,062,659	181,774,996	187,288,791	205,838,896	205,026,937	204,424,991
66	173,794,255	181,714,171	177,535,401	180,758,207	192,273,814	198,134,896	198,638,210
67	173,310,041	177,556,284	188,756,144	190,929,493	198,565,627	199,299,953	208,427,683
68	179,014,403	181,163,636	178,073,583	184,101,319	201,515,140	202,644,057	197,838,284
69	173,655,440	177,662,748	173,635,997	179,890,760	190,133,203	193,957,961	200,123,601
70	175,982,001	181,043,319	177,520,073	187,175,823	202,580,280	198,195,854	214,049,859
71	174,773,554	173,781,558	181,578,511	194,348,117	192,257,175	205,154,803	206,570,486
72	179,632,029	177,586,277	177,890,625	183,159,004	196,762,961	205,948,562	203,271,755
73	177,557,077	177,129,849	183,720,612	189,905,392	192,954,408	192,274,104	200,902,896
74	179,054,606	174,174,543	181,675,813	189,257,853	198,058,438	200,274,884	204,833,073
75	175,454,109	176,079,845	183,570,999	190,575,044	195,438,233	200,241,905	207,491,185
76	175,975,035	177,124,478	185,205,054	192,559,865	199,624,773	197,247,241	201,534,758
77	171,201,337	177,882,938	184,263,696	188,920,052	199,051,327	198,782,262	213,120,012
78	177,126,170	176,639,694	187,739,977	190,104,153	202,713,443	199,641,907	206,953,741
79	173,683,212	174,623,573	182,240,201	189,773,761	193,532,774	203,321,590	203,962,961
80	177,106,275	180,152,362	177,605,215	189,441,642	193,168,638	197,931,194	195,882,065
81	177,630,150	184,987,094	182,376,289	188,897,029	192,562,464	200,206,530	202,743,577
82	181,269,076	184,307,456	181,530,974	183,746,852	190,617,749	194,286,973	199,717,713
83	170,070,559	179,644,792	181,774,021	183,708,150	195,660,839	199,804,312	200,707,082
84	175,453,782	179,542,962	170,765,844	187,012,513	202,848,841	196,332,618	202,575,038
85	173,021,324	177,807,047	181,679,213	184,679,325	196,788,022	205,978,343	201,505,521
86	181,693,640	174,406,894	183,344,469	185,169,571	197,530,192	199,349,600	201,445,773
87	178,964,308	177,176,839	182,138,015	188,189,748	195,288,678	203,274,063	200,796,569
88	174,629,356	177,049,197	181,506,397	183,885,234	195,047,551	200,317,142	201,993,950
89	170,233,474	177,222,170	178,716,358	190,256,198	204,637,145	203,746,255	197,286,375
90	178,658,194	174,438,187	182,525,893	192,155,970	196,865,127	204,879,090	208,096,097
91	181,170,823	179,969,616	181,928,003	186,841,776	200,056,938	197,290,159	202,863,949
92	177,089,387	177,506,216	180,342,449	185,558,271	189,655,058	198,764,598	205,251,257
93	177,018,480	177,469,959	182,269,849	184,779,470	192,269,148	204,126,069	201,651,783
94	181,022,445	179,792,294	177,634,968	193,224,547	194,359,587	208,720,493	208,227,071
95	177,244,082	176,892,814	185,372,197	180,373,722	198,457,806	198,420,135	207,160,646
96	176,574,794	175,846,370	184,390,479	187,554,434	199,134,082	198,525,780	202,561,638
97	178,225,571	175,231,563	181,056,190	187,105,434	193,374,266	206,529,633	207,060,611
98	177,823,980	180,296,994	184,891,107	181,722,580	202,162,416	203,956,650	203,223,528
99	179,335,420	183,086,268	182,422,732	187,403,553	190,078,099	199,849,395	216,201,467
100	173,855,682	177,564,754	177,864,303	181,584,054	190,681,321	200,002,313	202,330,162

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2025	2026	2027	2028	2029	2030	2031
101	183,320,093	182,295,698	177,729,525	179,997,776	195,797,263	204,084,102	203,871,616
102	175,854,663	177,171,419	182,459,411	181,140,448	188,838,249	202,912,059	205,022,825
103	178,408,289	179,507,291	187,303,595	190,414,687	199,486,049	197,046,003	206,263,430
104	173,209,427	172,126,259	181,592,988	189,052,894	189,357,402	202,337,246	211,065,406
105	180,697,378	179,808,237	180,776,671	182,448,221	194,250,693	196,696,053	201,366,123
106	176,346,859	174,944,042	182,065,149	184,305,422	194,060,163	196,758,217	203,023,087
107	166,721,721	173,590,112	186,276,819	182,345,955	191,052,367	202,344,796	202,623,127
108	175,530,106	176,828,937	185,269,509	184,427,185	195,813,563	198,781,753	201,315,629
109	180,983,791	178,208,219	182,875,381	182,870,920	201,501,126	199,312,987	208,562,387
110	180,384,109	181,080,635	182,281,773	188,069,462	197,569,422	203,952,619	205,615,827
111	173,651,028	173,402,134	177,837,680	186,936,144	194,494,975	202,623,407	204,409,249
112	170,157,089	175,167,669	189,130,158	187,205,875	196,994,165	194,400,919	197,838,132
113	172,039,783	176,521,232	187,551,795	189,370,889	201,701,452	203,089,371	205,417,784
114	177,328,323	178,330,781	176,984,723	182,810,269	195,850,494	197,581,800	206,462,871
115	172,898,704	176,496,152	183,971,880	182,392,053	192,835,833	199,224,884	192,206,423
116	175,336,050	177,375,099	180,854,918	186,539,703	200,739,724	206,936,621	199,317,940
117	177,255,185	174,663,169	188,031,266	186,254,926	197,902,005	197,076,456	202,718,429
118	176,552,134	176,307,427	182,789,152	186,388,900	194,784,299	203,871,197	203,497,356
119	176,671,767	178,088,193	183,361,581	185,360,691	195,089,533	195,407,558	198,640,396
120	175,288,463	177,900,910	178,273,736	184,485,341	195,551,583	203,524,137	206,761,252
121	174,673,293	174,853,336	179,588,320	185,063,124	197,695,331	196,171,164	208,013,067
122	177,884,536	178,681,642	180,758,427	180,808,603	193,800,266	196,048,378	202,102,033
123	177,615,808	170,208,744	178,712,376	185,167,351	197,398,573	197,516,526	204,443,290
124	173,634,003	180,384,491	178,387,312	185,112,299	200,294,747	195,255,619	209,513,686
125	175,925,027	177,897,322	183,100,573	192,240,550	188,364,237	196,284,615	200,527,829
126	175,872,562	177,144,679	184,327,710	192,022,537	193,769,222	201,791,347	196,337,644
127	175,001,993	174,068,516	183,881,218	187,401,190	202,542,592	199,020,504	206,037,159
128	177,619,188	178,656,248	176,740,448	188,871,115	197,911,479	198,166,307	197,995,300
129	175,738,851	177,519,275	178,619,041	196,057,054	205,236,000	204,035,684	201,060,633
130	177,676,242	180,259,116	181,924,552	180,956,454	194,453,588	196,774,227	197,752,545
131	175,641,633	178,254,223	181,597,801	185,463,277	195,670,636	199,511,292	200,122,298
132	175,757,830	175,865,122	183,121,145	183,237,101	194,090,448	198,590,351	203,371,161
133	177,478,578	175,121,085	185,367,939	193,988,001	199,915,791	194,274,517	196,553,540
134	176,009,285	179,363,136	183,269,841	191,623,042	194,433,543	200,328,832	195,489,822
135	176,773,245	173,156,990	182,448,137	186,481,023	200,071,765	197,710,210	207,418,439
136	183,538,358	180,048,521	180,982,203	183,327,974	195,454,904	206,067,235	207,241,137
137	171,504,504	181,874,068	178,440,231	188,726,215	193,408,558	197,834,013	205,059,821
138	181,715,149	181,184,724	177,510,246	188,611,200	195,774,670	199,140,739	194,522,867
139	174,715,018	183,207,896	181,652,261	187,512,843	200,139,569	194,233,216	200,489,854
140	179,195,188	178,512,142	186,232,130	183,080,108	196,076,279	198,594,826	206,910,240
141	179,365,921	181,120,018	180,331,556	187,671,956	201,351,985	197,516,482	206,236,271
142	176,003,024	173,132,227	180,504,979	186,890,922	193,023,441	200,349,647	202,890,352
143	175,215,759	175,652,128	180,319,503	188,901,721	197,029,944	198,170,455	205,962,129
144	180,413,693	176,048,166	192,315,365	186,046,549	201,244,143	204,503,628	197,969,572
145	173,877,976	179,647,260	180,428,020	189,191,102	198,086,115	201,247,788	197,149,404
146	172,897,233	176,508,067	182,852,577	189,950,603	197,315,944	197,139,487	203,614,454
147	176,339,149	176,290,748	178,104,131	187,201,700	197,167,645	202,368,449	202,545,800
148	176,823,322	183,548,358	184,000,542	186,941,221	192,656,725	195,271,470	202,763,990
149	180,829,758	178,577,349	180,288,643	182,221,018	198,106,466	207,721,681	205,051,345
150	176,894,795	176,699,707	179,594,344	184,940,055	194,741,097	198,685,621	208,992,422

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2025	2026	2027	2028	2029	2030	2031
151	173,175,170	179,180,105	183,891,409	183,740,002	194,958,245	201,681,661	202,140,000
152	175,443,866	171,011,186	180,765,333	183,989,784	194,833,716	207,844,823	202,562,083
153	177,487,660	177,322,104	180,744,755	192,054,439	195,293,545	200,121,520	199,402,070
154	177,033,451	178,623,039	179,113,992	181,528,231	189,267,181	198,721,582	204,345,181
155	173,184,866	176,116,058	182,187,518	190,295,911	189,434,792	202,131,773	196,063,242
156	177,626,853	174,980,909	184,776,486	186,362,668	197,693,652	200,970,377	199,433,181
157	173,075,807	179,671,896	186,904,455	184,347,972	198,227,915	200,514,261	203,036,195
158	177,171,413	180,069,513	184,678,379	183,380,271	194,264,056	197,714,365	201,451,738
159	172,231,439	181,024,301	182,397,135	189,402,928	193,083,093	200,645,471	193,791,558
160	179,907,268	181,516,499	184,530,251	181,244,905	192,878,292	196,049,579	205,117,828
161	177,473,814	183,990,126	180,663,573	187,126,550	195,678,692	196,169,726	207,817,053
162	175,846,810	173,491,182	176,666,347	190,434,142	200,643,137	192,087,738	202,478,313
163	172,299,641	180,253,180	178,058,683	182,125,734	191,251,099	203,577,524	204,418,992
164	172,995,902	181,278,535	181,474,194	186,735,905	199,155,641	197,831,910	202,514,399
165	175,461,437	178,180,347	182,341,445	189,123,630	192,429,541	198,900,088	203,124,557
166	170,658,970	181,217,685	177,182,926	191,682,004	191,665,651	200,822,743	208,376,808
167	174,194,303	177,632,592	181,358,256	184,490,950	193,495,553	204,140,092	204,646,793
168	170,338,576	179,507,774	184,174,558	186,812,979	191,501,723	198,841,811	206,382,830
169	178,220,854	182,662,108	182,177,749	188,638,648	192,088,810	204,116,868	204,641,325
170	178,964,554	184,775,677	184,740,815	186,126,950	199,873,678	205,796,906	204,659,766
171	179,563,529	176,154,772	177,843,071	181,871,527	191,050,978	195,550,193	199,072,874
172	177,229,987	180,827,023	180,618,856	184,024,273	196,701,834	204,812,065	196,276,805
173	177,203,346	180,998,258	181,672,101	185,802,403	201,477,970	197,008,428	204,839,978
174	179,751,850	181,679,959	182,982,238	184,412,015	186,942,397	204,120,494	211,607,322
175	177,345,900	172,600,327	183,956,646	193,077,494	199,021,236	200,157,047	208,100,892
176	174,512,349	175,044,664	185,292,699	188,106,968	196,388,648	201,236,392	196,894,596
177	177,275,876	177,876,539	180,576,888	191,241,978	202,988,906	202,393,502	202,764,561
178	177,703,799	176,973,872	179,941,493	187,758,327	192,870,674	198,274,395	205,830,668
179	179,068,383	181,845,339	175,842,404	186,551,565	198,245,151	200,018,070	209,553,995
180	172,565,015	180,022,058	178,444,741	181,890,469	200,641,612	205,145,260	201,455,191
181	174,075,533	177,154,039	180,464,341	184,738,241	192,632,595	203,142,844	206,714,536
182	171,541,104	176,595,509	174,706,392	186,854,778	195,753,865	201,605,976	195,198,829
183	175,632,292	174,130,134	179,082,851	183,733,973	195,769,828	198,784,496	204,478,907
184	177,731,082	175,561,344	185,946,409	186,001,921	199,517,126	190,668,424	193,967,931
185	177,446,594	183,072,111	183,818,875	184,430,885	202,036,666	196,109,047	194,962,925
186	176,175,718	176,580,811	182,462,907	186,854,109	198,408,558	190,419,833	204,066,305
187	179,553,604	179,868,812	181,086,171	182,378,422	199,565,591	199,761,070	206,154,791
188	178,332,997	179,696,899	173,560,461	186,202,087	195,502,815	205,156,971	209,583,756
189	175,305,618	184,989,573	178,324,767	186,384,286	200,543,882	200,994,448	197,721,038
190	170,814,654	175,284,723	180,244,223	183,844,107	194,384,169	202,536,016	207,576,647
191	178,952,989	173,580,631	184,430,235	188,164,542	192,471,991	204,400,040	200,792,014
192	176,161,984	185,097,777	183,018,843	180,334,079	191,044,911	198,640,563	202,067,275
193	173,091,473	179,639,380	181,924,252	185,358,388	194,202,278	197,910,566	199,032,052
194	174,394,187	175,723,086	180,762,483	183,250,368	203,208,823	194,863,607	206,772,729
195	179,015,648	178,614,716	181,484,555	188,040,197	198,014,796	205,481,643	207,298,733
196	178,502,844	173,782,979	181,253,285	188,279,885	195,286,639	195,392,371	197,468,446
197	176,274,733	181,449,217	179,312,311	184,326,510	197,262,938	199,984,592	205,248,532
198	178,048,666	175,764,214	181,824,714	180,926,553	195,710,231	200,332,631	198,985,297
199	177,484,267	177,806,416	186,087,293	186,610,313	193,625,199	201,032,569	202,760,953
200	173,272,462	181,111,248	181,066,395	183,335,693	203,451,250	200,129,113	205,232,665

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2032	2033	2034	2035	2036	2037	20-Year Total System Cost
1	204,821,383	205,200,551	216,203,156	216,418,473	214,997,473	218,607,620	3,708,135,135
2	214,169,686	210,246,985	216,918,063	216,157,658	224,181,995	216,845,037	3,739,216,103
3	208,443,798	214,301,743	214,533,493	208,466,290	215,764,282	216,981,305	3,742,817,001
4	205,072,587	205,869,822	208,741,239	208,283,941	214,823,321	227,037,188	3,697,136,328
5	209,749,537	205,327,708	206,709,140	209,527,116	225,289,003	213,284,878	3,707,584,323
6	201,995,821	207,731,645	209,284,408	215,628,960	224,841,580	218,899,123	3,723,016,274
7	196,484,721	209,021,048	214,757,955	221,686,455	220,751,187	216,437,249	3,723,119,936
8	204,348,818	209,312,336	210,481,416	216,934,914	221,828,543	233,517,041	3,735,909,896
9	213,768,496	207,653,679	209,893,954	213,043,135	228,877,348	216,587,027	3,720,790,626
10	202,440,899	217,236,605	210,681,694	220,933,812	217,753,589	213,161,835	3,718,781,135
11	201,458,249	219,048,851	212,124,142	208,881,680	212,477,389	218,683,793	3,711,487,979
12	203,344,357	209,633,418	212,357,922	216,267,658	205,992,659	219,430,264	3,695,470,345
13	213,546,551	211,041,012	208,499,024	214,685,690	227,830,738	228,785,658	3,729,225,023
14	213,308,946	209,405,620	218,267,626	216,463,647	215,958,800	231,836,055	3,739,294,580
15	211,897,903	209,900,810	213,530,822	223,713,243	228,011,944	235,479,206	3,784,998,227
16	208,343,418	210,794,894	215,617,647	215,017,563	216,173,160	221,958,516	3,701,895,499
17	201,823,184	207,786,264	206,625,002	208,645,176	217,761,144	233,675,996	3,734,279,705
18	203,197,842	207,184,257	218,384,533	216,095,707	214,516,651	233,122,920	3,741,055,183
19	203,486,339	212,975,972	213,340,496	213,190,136	221,557,277	220,971,558	3,726,666,602
20	206,872,894	207,272,522	215,632,766	223,491,604	231,452,589	222,958,123	3,747,687,729
21	210,314,937	208,779,899	211,271,735	213,650,056	222,083,715	228,905,681	3,749,373,948
22	209,676,446	214,366,712	208,018,778	217,687,502	220,041,333	220,179,864	3,720,635,951
23	208,843,795	209,696,215	213,562,070	210,890,852	213,226,828	221,980,497	3,744,074,133
24	209,519,201	205,340,463	207,537,088	219,726,635	211,951,655	218,081,974	3,725,021,235
25	204,084,471	213,197,196	217,379,396	207,165,604	216,381,083	221,471,569	3,736,679,270
26	209,312,654	210,125,155	208,203,142	213,059,767	213,159,847	226,422,028	3,736,584,704
27	202,577,558	208,279,733	206,010,904	212,179,137	217,361,956	226,122,617	3,708,439,763
28	204,515,588	209,715,628	216,485,707	220,310,274	219,692,892	226,933,704	3,749,245,827
29	205,517,439	209,930,115	202,414,719	211,877,043	211,343,953	230,323,793	3,731,166,799
30	204,310,638	208,098,166	205,943,205	218,649,377	218,075,407	231,065,763	3,731,490,038
31	206,932,155	206,925,704	208,381,887	213,791,246	214,408,618	224,245,054	3,738,494,134
32	204,649,474	208,637,703	209,361,316	217,515,325	218,187,626	219,030,610	3,716,752,369
33	203,101,040	217,673,639	217,694,288	221,997,850	219,076,747	231,404,055	3,759,646,574
34	208,914,475	208,347,657	212,341,523	220,904,909	217,798,406	226,645,274	3,727,975,796
35	209,351,791	209,314,824	215,785,489	210,335,459	207,023,460	218,318,985	3,723,850,697
36	206,653,932	206,851,099	215,453,710	217,223,656	217,132,172	222,449,040	3,747,198,612
37	212,114,113	218,791,404	203,835,615	217,752,143	230,094,641	232,453,431	3,763,689,857
38	201,250,601	213,550,622	210,210,178	217,345,345	219,667,363	228,660,707	3,704,534,250
39	203,919,658	216,907,282	206,182,851	219,870,268	226,931,957	225,266,281	3,746,512,154
40	212,695,315	204,090,431	209,896,946	216,068,993	225,221,204	226,260,035	3,724,373,063
41	207,528,757	207,583,686	219,760,488	212,777,890	221,240,723	228,115,724	3,739,890,141
42	210,122,066	204,157,555	212,527,095	209,810,210	213,720,416	220,962,901	3,709,867,332
43	212,868,718	215,390,605	215,331,907	215,531,806	217,209,124	238,232,780	3,780,888,317
44	206,828,917	208,287,986	213,362,509	214,383,179	211,369,180	221,765,792	3,718,286,568
45	208,586,297	205,888,162	213,024,212	224,133,636	224,632,768	232,664,181	3,746,042,067
46	207,609,970	219,502,948	214,199,690	217,293,131	209,215,815	222,826,606	3,747,576,186
47	192,934,840	209,290,035	213,370,054	212,195,098	211,359,318	217,230,999	3,698,249,857
48	205,259,370	210,525,140	217,788,095	213,236,104	226,815,949	228,497,502	3,738,028,618
49	206,829,317	209,430,828	211,326,207	217,683,197	220,506,352	223,914,978	3,733,984,352
50	208,567,053	209,821,385	216,773,073	213,986,247	227,023,871	222,517,341	3,760,286,161

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2032	2033	2034	2035	2036	2037	20-Year Total System Cost
51	210,376,166	212,295,803	218,142,627	223,481,871	211,789,725	220,562,801	3,732,520,679
52	207,538,880	213,574,595	218,865,714	216,374,675	214,737,333	217,770,871	3,739,814,183
53	208,073,945	206,094,513	211,960,096	226,885,636	221,916,591	223,264,352	3,714,859,082
54	201,048,842	206,150,515	211,545,482	213,027,533	220,863,858	237,573,111	3,744,399,137
55	211,675,332	207,918,391	210,230,889	213,791,615	215,143,904	221,459,860	3,707,650,244
56	201,679,308	202,862,346	215,805,814	221,362,828	219,372,275	225,202,095	3,736,172,815
57	207,291,234	212,060,774	215,813,854	215,745,122	215,849,502	233,257,053	3,719,218,302
58	198,548,051	206,976,234	207,425,182	218,059,023	217,570,525	228,963,546	3,717,845,922
59	202,936,028	204,033,589	216,194,987	216,429,810	215,570,433	219,476,229	3,715,486,477
60	200,557,903	206,440,390	221,200,681	224,928,886	222,498,950	221,141,094	3,729,012,594
61	199,868,732	205,126,619	212,580,227	214,525,916	220,439,536	224,434,563	3,718,647,527
62	214,279,964	209,388,671	212,801,363	223,507,334	217,444,991	225,279,218	3,748,795,832
63	201,819,588	210,032,475	212,106,016	220,434,230	214,435,861	231,788,952	3,727,697,307
64	208,509,778	206,034,485	212,370,846	212,631,775	220,682,290	219,322,024	3,722,645,364
65	205,896,613	211,782,910	209,733,443	216,636,417	211,292,477	223,044,131	3,754,746,582
66	201,430,036	204,573,158	211,306,418	212,470,765	215,097,900	218,469,259	3,675,502,817
67	207,545,652	211,123,915	215,435,996	219,579,034	223,390,501	228,483,718	3,763,485,694
68	202,322,944	210,780,891	206,083,337	217,555,515	223,503,804	227,066,070	3,730,698,785
69	202,738,967	208,415,396	207,253,580	218,528,392	213,660,808	217,775,813	3,672,662,017
70	205,874,466	210,265,036	213,983,978	217,335,407	223,988,413	225,706,708	3,756,202,928
71	215,228,380	214,990,487	213,241,813	213,926,899	214,958,645	227,817,410	3,752,017,032
72	214,062,684	213,334,093	215,956,484	220,582,135	220,618,130	224,940,047	3,753,425,584
73	203,916,882	218,044,428	207,804,669	212,037,369	221,468,375	224,704,073	3,722,781,325
74	211,213,885	203,261,449	218,744,356	211,776,162	222,519,076	229,739,406	3,748,102,384
75	206,367,434	205,293,847	205,091,035	219,091,568	211,400,687	221,300,808	3,723,787,716
76	209,218,475	206,507,711	206,847,283	208,507,423	222,378,270	224,371,323	3,733,221,239
77	209,958,108	217,266,231	215,297,716	216,081,232	214,080,264	236,914,964	3,770,623,764
78	198,156,617	215,120,463	213,579,999	220,073,956	216,010,506	229,672,819	3,772,896,176
79	205,266,012	204,327,630	214,826,398	217,239,250	221,777,825	226,006,100	3,728,471,237
80	208,276,359	212,065,520	221,117,478	216,496,572	216,554,110	221,477,649	3,731,788,177
81	212,377,710	212,831,613	210,619,001	218,730,796	220,254,494	214,787,309	3,736,554,015
82	206,887,016	215,202,640	208,196,628	208,068,074	215,021,226	224,789,261	3,714,200,965
83	199,439,460	208,359,754	202,829,604	215,205,235	215,813,865	223,836,277	3,693,674,317
84	201,700,132	209,470,204	211,354,509	221,618,920	212,942,495	213,836,951	3,712,467,108
85	205,192,179	206,543,057	214,903,840	214,012,798	216,023,375	221,307,706	3,708,616,586
86	205,230,583	211,439,505	214,102,863	213,789,404	217,330,546	235,308,102	3,741,321,674
87	208,804,262	212,278,692	210,672,013	215,242,101	222,712,442	220,501,183	3,745,267,731
88	206,492,805	210,037,805	206,686,656	216,740,064	221,147,369	232,570,020	3,729,227,708
89	212,206,200	212,474,528	210,798,561	213,050,298	215,434,658	224,388,122	3,741,033,276
90	212,975,391	212,138,908	208,509,512	215,852,275	218,191,135	222,982,522	3,750,814,615
91	201,543,839	208,584,901	213,661,699	210,100,982	215,255,428	222,846,734	3,720,023,077
92	206,659,403	215,543,165	214,213,782	215,361,666	216,446,884	221,015,862	3,737,597,563
93	209,227,691	215,386,727	210,248,761	218,237,284	226,939,073	230,409,934	3,757,417,193
94	209,206,531	211,469,604	214,965,662	211,989,162	213,416,571	230,882,584	3,765,940,696
95	212,541,632	213,204,056	210,025,414	216,703,456	210,771,856	230,883,416	3,742,511,071
96	203,829,704	216,330,453	229,424,668	222,413,664	223,762,688	215,818,901	3,743,393,727
97	203,963,214	220,988,897	224,321,839	222,580,536	223,288,596	230,461,177	3,772,034,813
98	207,642,720	213,944,831	219,333,461	218,173,802	219,780,291	223,402,852	3,756,815,104
99	207,562,910	207,631,849	209,412,274	211,186,453	226,630,641	223,327,129	3,740,394,600
100	205,732,369	215,425,697	214,520,842	217,648,151	214,779,428	224,540,800	3,727,295,372

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2032	2033	2034	2035	2036	2037	20-Year Total System Cost
101	213,028,722	204,729,712	213,052,665	214,930,481	224,334,972	226,976,298	3,736,330,073
102	207,213,833	213,821,540	206,368,925	211,742,719	216,363,280	225,600,104	3,720,769,711
103	201,092,508	204,129,938	213,565,410	219,573,306	214,902,836	221,156,105	3,719,087,754
104	209,906,288	207,031,841	202,697,712	211,021,060	216,407,115	224,396,256	3,710,223,217
105	206,627,215	213,660,328	219,529,831	215,802,676	214,790,576	224,776,987	3,734,736,759
106	201,944,930	202,241,542	214,996,153	202,787,477	218,544,819	221,059,589	3,689,729,618
107	202,269,999	205,442,188	211,145,409	214,615,013	213,740,877	218,299,663	3,694,466,427
108	203,875,647	198,867,448	220,372,892	217,153,968	227,978,790	231,487,294	3,761,804,735
109	203,907,339	216,059,406	213,870,011	217,077,360	219,891,771	229,587,904	3,757,847,237
110	209,016,473	204,746,960	214,406,377	217,046,311	223,911,420	219,782,446	3,750,746,353
111	204,842,034	218,388,546	208,881,889	215,543,203	220,392,736	218,391,669	3,716,700,340
112	212,140,969	210,707,270	210,482,276	215,623,597	229,473,119	228,816,222	3,741,960,296
113	207,514,983	211,620,854	216,569,965	217,507,840	208,454,360	226,054,638	3,745,546,974
114	208,320,652	212,757,030	213,227,312	213,390,092	219,532,326	220,774,521	3,731,060,425
115	207,548,412	206,023,324	213,960,144	211,128,004	216,364,054	220,523,030	3,703,150,953
116	210,024,121	214,955,144	209,107,422	208,844,013	207,027,260	223,084,496	3,734,424,568
117	215,447,631	209,691,269	214,314,272	211,065,353	231,748,238	220,944,322	3,753,271,661
118	209,554,659	207,742,078	213,275,049	217,887,742	212,785,903	230,483,817	3,737,618,852
119	205,376,296	198,877,762	217,159,280	210,494,094	212,100,582	225,528,306	3,703,558,029
120	210,313,793	212,114,101	201,985,292	216,290,445	218,016,038	220,607,174	3,716,370,094
121	207,202,064	206,382,506	213,332,081	218,959,682	209,828,113	229,092,436	3,724,047,394
122	201,014,682	216,181,067	215,532,539	216,187,549	226,463,618	226,675,955	3,726,596,443
123	203,930,214	203,440,732	207,118,341	210,568,820	217,904,290	222,426,826	3,705,771,925
124	207,185,247	204,740,431	212,759,986	222,972,249	217,393,932	219,469,673	3,733,905,931
125	205,841,938	201,986,695	217,298,064	215,419,086	213,863,996	224,290,799	3,708,668,718
126	207,012,056	211,787,837	211,629,529	217,378,733	213,173,188	229,194,711	3,736,097,151
127	204,042,965	208,387,137	205,716,596	213,298,056	210,229,146	231,542,252	3,719,968,709
128	213,469,494	207,302,781	215,112,246	215,326,198	211,891,892	228,708,029	3,728,484,111
129	205,675,693	217,612,536	219,027,641	215,945,148	222,585,038	224,236,047	3,760,773,731
130	199,592,647	206,339,257	208,176,538	207,952,786	213,084,390	226,166,068	3,684,908,536
131	207,296,529	208,121,078	212,993,657	214,723,605	210,168,497	222,636,901	3,710,136,958
132	210,298,661	211,827,774	222,178,695	212,563,958	219,154,232	227,707,601	3,732,977,822
133	201,840,400	209,541,068	210,502,803	219,225,688	219,054,131	229,205,380	3,732,408,199
134	213,868,241	205,640,168	211,507,983	216,386,966	220,296,544	222,337,563	3,737,667,824
135	202,531,450	218,633,245	212,887,972	217,564,882	222,962,868	225,926,582	3,755,300,548
136	206,330,685	207,586,991	214,977,486	219,377,358	218,487,514	223,010,465	3,750,982,351
137	210,788,740	211,338,324	208,133,591	210,949,954	220,357,082	226,783,261	3,726,659,384
138	204,640,146	203,287,260	220,139,520	220,047,100	219,562,782	229,432,141	3,732,127,496
139	209,629,159	208,516,069	202,855,748	208,305,696	217,355,360	217,549,130	3,709,462,188
140	195,779,997	207,016,088	211,770,642	216,338,964	216,366,885	234,062,484	3,723,790,704
141	203,180,936	208,937,046	209,292,107	230,359,648	223,798,809	218,345,611	3,750,974,333
142	213,801,208	210,748,328	213,416,930	212,532,278	214,953,083	220,445,099	3,727,292,853
143	205,292,955	212,516,783	216,116,767	212,527,086	219,731,832	223,589,043	3,727,913,583
144	214,170,044	206,373,113	208,370,745	210,691,905	209,571,797	225,271,572	3,727,259,745
145	206,475,735	210,525,977	210,795,737	217,813,386	226,438,555	231,545,759	3,757,139,712
146	205,959,925	208,087,170	215,828,455	215,866,487	219,380,302	225,640,492	3,729,724,374
147	209,404,729	211,401,630	217,653,510	209,026,689	219,152,232	218,980,387	3,726,165,306
148	202,587,983	208,944,085	209,468,911	211,490,262	215,147,722	232,441,741	3,723,907,254
149	211,370,057	206,627,394	212,678,778	214,175,250	218,311,704	221,207,213	3,738,650,009
150	204,509,489	214,255,865	207,715,744	214,181,172	211,782,108	225,911,789	3,730,910,970

Appendix G
Monte Carlo Total System Cost
Results in \$

Draw	2032	2033	2034	2035	2036	2037	20-Year Total System Cost
151	209,913,228	215,243,441	209,278,584	217,488,876	219,070,063	218,222,611	3,734,371,493
152	200,725,092	203,185,681	212,739,757	216,817,639	223,809,609	226,638,660	3,718,541,566
153	205,233,698	204,973,662	212,198,868	217,023,739	217,890,285	226,131,856	3,724,982,481
154	197,776,508	202,033,566	216,773,950	217,214,683	211,212,872	230,352,107	3,698,090,848
155	202,631,422	215,963,760	210,075,771	213,984,229	220,667,229	224,858,104	3,713,098,451
156	205,701,595	202,689,977	202,578,274	219,001,376	221,940,215	228,905,644	3,732,411,428
157	202,415,048	198,833,144	210,656,307	214,198,884	215,617,453	220,441,382	3,702,338,257
158	208,104,781	204,980,188	208,496,313	218,030,177	211,160,971	229,726,167	3,734,148,791
159	203,587,839	213,782,359	212,425,509	218,438,698	218,373,908	223,956,801	3,715,003,404
160	205,470,552	206,886,283	204,791,162	206,741,876	221,546,843	217,918,620	3,715,182,058
161	214,771,997	207,956,995	211,338,202	221,859,368	211,623,593	222,443,021	3,745,093,242
162	205,088,091	206,144,963	204,584,304	219,350,672	218,394,007	225,666,764	3,716,419,282
163	211,713,373	209,166,171	206,500,206	207,781,665	216,654,401	219,912,373	3,699,701,837
164	211,027,535	203,022,944	213,333,259	213,732,746	214,579,046	219,209,982	3,712,830,705
165	210,752,546	208,395,166	208,454,780	213,725,785	222,235,258	216,872,302	3,722,344,338
166	206,968,338	211,544,307	213,803,662	207,305,240	218,305,095	222,257,280	3,726,365,502
167	211,889,609	216,517,616	221,429,663	213,988,462	211,664,560	233,206,309	3,746,540,250
168	208,029,050	208,069,695	219,665,865	214,110,271	211,756,299	222,332,243	3,719,270,235
169	207,700,369	213,642,804	212,148,778	221,709,481	221,437,341	226,519,086	3,768,465,510
170	206,735,128	210,671,669	221,036,439	218,277,350	215,491,119	222,090,922	3,762,194,086
171	211,473,548	212,041,312	210,679,118	212,754,359	218,129,107	228,503,058	3,723,974,266
172	213,477,482	203,179,443	212,618,147	217,423,326	215,149,963	222,455,476	3,728,384,401
173	203,887,841	205,707,243	210,363,615	213,557,156	219,406,948	220,168,162	3,723,360,080
174	201,589,125	213,140,058	214,824,625	216,320,253	218,541,595	230,218,739	3,748,741,053
175	202,883,463	208,416,783	212,462,187	209,316,081	214,120,195	225,390,177	3,729,160,020
176	207,995,709	209,795,127	222,793,242	216,104,833	221,735,980	227,027,406	3,731,820,577
177	202,100,306	215,959,256	215,846,332	215,953,410	210,133,823	224,452,827	3,735,111,147
178	203,400,445	203,724,850	215,243,854	216,093,818	217,910,622	218,370,725	3,717,042,455
179	209,860,862	209,007,152	210,268,819	210,943,508	213,766,480	229,998,938	3,726,605,394
180	204,536,887	212,297,035	217,100,033	219,346,287	215,635,633	221,955,373	3,734,953,413
181	208,190,326	212,621,521	213,755,294	209,202,762	216,865,150	219,642,454	3,726,932,038
182	205,434,170	207,880,820	217,664,927	213,580,508	225,029,136	219,305,195	3,712,653,210
183	204,802,977	210,712,142	219,537,963	215,264,066	220,414,012	220,622,203	3,710,770,219
184	204,233,883	212,013,299	205,713,516	207,733,238	208,328,501	216,186,369	3,676,381,435
185	206,890,357	207,606,948	219,267,047	217,220,908	218,141,444	232,562,976	3,754,979,127
186	209,501,526	205,646,975	214,041,691	215,304,726	214,904,526	217,249,362	3,713,023,583
187	205,172,152	211,731,396	211,434,003	213,992,967	212,309,977	218,734,971	3,738,840,589
188	212,981,617	210,822,507	213,811,620	219,423,406	217,743,464	229,855,896	3,760,861,218
189	209,838,354	207,344,118	211,945,602	218,025,353	211,042,353	220,442,408	3,725,564,583
190	205,918,488	215,739,030	213,689,723	207,267,563	214,660,317	224,221,682	3,709,897,739
191	202,393,443	213,677,725	207,356,652	216,909,173	217,961,372	225,267,387	3,722,652,130
192	198,229,437	218,975,688	213,769,290	207,373,512	222,213,338	220,717,228	3,707,823,194
193	209,042,923	209,772,886	216,356,695	221,143,849	220,491,887	228,280,916	3,739,153,327
194	210,456,286	208,456,130	209,821,688	212,916,970	218,952,092	224,579,400	3,730,158,945
195	205,245,177	209,750,566	209,363,739	218,666,853	220,814,771	222,532,874	3,736,948,927
196	203,394,958	212,430,387	212,267,384	221,871,621	214,553,857	221,796,050	3,721,867,538
197	205,435,387	209,088,133	202,758,937	214,991,934	224,553,891	232,836,363	3,742,612,892
198	205,995,581	205,845,697	216,199,553	208,280,781	215,320,445	225,142,194	3,697,414,090
199	204,306,166	212,271,414	222,160,740	223,493,109	223,050,942	221,753,918	3,754,161,188
200	207,073,671	215,295,724	221,818,122	217,401,242	213,081,271	219,124,910	3,756,313,564

Draw	2018			2019		
	Min	Average	Max	Min	Average	Max
1	\$ 2.9320	\$ 3.6478	\$ 4.2883	\$ 3.0567	\$ 3.8857	\$ 5.0149
2	\$ 3.1386	\$ 3.6449	\$ 4.2516	\$ 3.4219	\$ 3.9733	\$ 4.8305
3	\$ 3.3187	\$ 3.6758	\$ 4.1081	\$ 3.3761	\$ 3.8252	\$ 4.9922
4	\$ 3.2085	\$ 3.7861	\$ 4.3147	\$ 3.3834	\$ 3.8866	\$ 4.4588
5	\$ 3.2372	\$ 3.6136	\$ 4.3551	\$ 3.1994	\$ 3.8115	\$ 5.0072
6	\$ 2.9270	\$ 3.6519	\$ 4.3514	\$ 3.1306	\$ 3.8632	\$ 4.7804
7	\$ 3.0190	\$ 3.6733	\$ 4.2121	\$ 3.6009	\$ 3.9788	\$ 4.5825
8	\$ 3.0844	\$ 3.7890	\$ 4.3932	\$ 2.9369	\$ 3.7492	\$ 4.4798
9	\$ 2.9270	\$ 3.8236	\$ 4.6406	\$ 3.0110	\$ 3.9033	\$ 4.6096
10	\$ 3.1253	\$ 3.6072	\$ 4.0937	\$ 2.9425	\$ 3.8584	\$ 4.6961
11	\$ 3.1320	\$ 3.6638	\$ 4.6423	\$ 2.9369	\$ 4.0012	\$ 4.9889
12	\$ 3.3425	\$ 3.5936	\$ 3.9399	\$ 3.0411	\$ 3.9514	\$ 4.7488
13	\$ 3.2995	\$ 3.8523	\$ 4.4917	\$ 3.2587	\$ 3.6503	\$ 3.9711
14	\$ 3.0042	\$ 3.8148	\$ 4.7588	\$ 2.9429	\$ 3.6665	\$ 4.3538
15	\$ 3.1404	\$ 3.6041	\$ 4.5358	\$ 3.0151	\$ 3.6675	\$ 4.3731
16	\$ 3.1057	\$ 3.6570	\$ 4.5414	\$ 3.1430	\$ 3.9025	\$ 4.5758
17	\$ 3.1371	\$ 3.6803	\$ 4.3027	\$ 2.9369	\$ 3.6332	\$ 5.2538
18	\$ 3.0419	\$ 3.5118	\$ 4.2735	\$ 3.0567	\$ 3.7876	\$ 4.5345
19	\$ 3.0132	\$ 3.6348	\$ 3.9284	\$ 3.0411	\$ 3.7493	\$ 4.6669
20	\$ 3.0633	\$ 3.5572	\$ 4.1233	\$ 3.4721	\$ 3.8727	\$ 4.6173
21	\$ 3.3470	\$ 3.9067	\$ 4.5695	\$ 3.0776	\$ 3.5769	\$ 4.1456
22	\$ 3.1655	\$ 3.6495	\$ 4.4829	\$ 3.1392	\$ 3.8092	\$ 4.2483
23	\$ 3.1320	\$ 3.7593	\$ 4.3571	\$ 3.0162	\$ 3.9159	\$ 5.0072
24	\$ 2.9270	\$ 3.7525	\$ 4.5774	\$ 2.9425	\$ 3.6478	\$ 4.6658
25	\$ 3.0594	\$ 3.6978	\$ 4.6948	\$ 3.2694	\$ 3.7134	\$ 4.2610
26	\$ 3.2283	\$ 3.8398	\$ 4.7137	\$ 3.1802	\$ 3.8350	\$ 4.5260
27	\$ 3.1342	\$ 3.5596	\$ 4.1036	\$ 3.3119	\$ 3.8581	\$ 5.0149
28	\$ 3.0132	\$ 3.7667	\$ 4.2343	\$ 3.0567	\$ 3.8151	\$ 4.7613
29	\$ 2.9856	\$ 3.5453	\$ 4.2374	\$ 3.0018	\$ 3.5047	\$ 3.7881
30	\$ 3.0042	\$ 3.7141	\$ 4.2767	\$ 3.2293	\$ 3.7757	\$ 4.4944
31	\$ 3.1055	\$ 3.9521	\$ 4.5308	\$ 3.0611	\$ 3.7932	\$ 4.7826
32	\$ 3.0042	\$ 3.5812	\$ 4.2603	\$ 3.2453	\$ 3.9207	\$ 4.5374
33	\$ 3.0042	\$ 3.7093	\$ 4.5913	\$ 2.9429	\$ 3.6628	\$ 4.8162
34	\$ 3.1055	\$ 3.7924	\$ 4.6982	\$ 3.0411	\$ 3.6628	\$ 4.4663
35	\$ 3.2776	\$ 3.6584	\$ 4.2209	\$ 3.1107	\$ 3.9607	\$ 4.9863
36	\$ 3.0132	\$ 3.8244	\$ 4.6691	\$ 2.9429	\$ 3.9106	\$ 4.8058
37	\$ 3.0366	\$ 3.7400	\$ 4.4066	\$ 2.8846	\$ 3.8237	\$ 4.8292
38	\$ 3.1055	\$ 3.6998	\$ 4.0838	\$ 3.0567	\$ 3.8408	\$ 4.5677
39	\$ 3.0169	\$ 3.7148	\$ 4.5764	\$ 3.2841	\$ 3.9323	\$ 4.6317
40	\$ 3.1055	\$ 3.7243	\$ 3.9990	\$ 2.9425	\$ 3.5367	\$ 4.2524
41	\$ 3.0042	\$ 3.6041	\$ 4.3359	\$ 3.0159	\$ 3.6209	\$ 4.5093
42	\$ 3.1520	\$ 3.7519	\$ 4.3005	\$ 3.2525	\$ 3.9036	\$ 4.8358
43	\$ 3.0517	\$ 3.5845	\$ 4.2495	\$ 3.0162	\$ 3.6135	\$ 4.4542
44	\$ 3.3255	\$ 3.7669	\$ 4.5199	\$ 3.0567	\$ 3.9056	\$ 4.7687
45	\$ 3.0190	\$ 3.7894	\$ 4.6013	\$ 3.1376	\$ 3.8352	\$ 4.3902
46	\$ 3.1055	\$ 3.5551	\$ 3.8775	\$ 3.3474	\$ 3.9269	\$ 4.6764
47	\$ 3.1645	\$ 3.7432	\$ 4.5807	\$ 3.1401	\$ 3.9783	\$ 4.7620
48	\$ 3.1249	\$ 3.5919	\$ 4.1194	\$ 3.1802	\$ 3.5754	\$ 4.2223
49	\$ 2.9270	\$ 3.7188	\$ 4.1688	\$ 3.0127	\$ 3.7511	\$ 4.3666
50	\$ 3.2355	\$ 3.6397	\$ 4.0673	\$ 3.1889	\$ 3.9072	\$ 4.7602

Draw	2018			2019		
	Min	Average	Max	Min	Average	Max
51	\$ 2.9270	\$ 3.8138	\$ 4.5672	\$ 3.2403	\$ 3.9884	\$ 4.8793
52	\$ 3.2487	\$ 3.7993	\$ 4.2846	\$ 2.9494	\$ 3.9564	\$ 5.0072
53	\$ 2.9270	\$ 3.6955	\$ 4.4019	\$ 3.0162	\$ 3.7449	\$ 4.7547
54	\$ 3.1046	\$ 3.8266	\$ 4.5103	\$ 2.9378	\$ 3.8973	\$ 4.9323
55	\$ 3.3805	\$ 3.8345	\$ 4.3105	\$ 3.2739	\$ 4.0951	\$ 4.5260
56	\$ 3.1534	\$ 3.7867	\$ 4.4149	\$ 3.2421	\$ 3.6782	\$ 4.2127
57	\$ 3.0209	\$ 3.8442	\$ 4.5522	\$ 2.9369	\$ 3.7004	\$ 4.7842
58	\$ 3.1781	\$ 3.6995	\$ 4.3774	\$ 2.8846	\$ 3.4847	\$ 4.0266
59	\$ 3.1815	\$ 3.6965	\$ 3.9918	\$ 3.0582	\$ 3.8022	\$ 4.6835
60	\$ 3.0639	\$ 3.6026	\$ 3.9581	\$ 3.2199	\$ 3.8181	\$ 4.7979
61	\$ 3.2053	\$ 3.7628	\$ 4.6267	\$ 3.1000	\$ 3.9395	\$ 5.2538
62	\$ 3.0844	\$ 3.7188	\$ 4.5173	\$ 3.4826	\$ 3.9570	\$ 4.5313
63	\$ 3.1654	\$ 3.7792	\$ 4.1883	\$ 3.0162	\$ 3.9361	\$ 4.8050
64	\$ 3.1055	\$ 3.6684	\$ 4.3436	\$ 3.0153	\$ 3.8925	\$ 4.5803
65	\$ 3.0658	\$ 3.7123	\$ 4.3245	\$ 3.0264	\$ 3.7308	\$ 4.9369
66	\$ 3.0791	\$ 3.6454	\$ 4.2157	\$ 2.9369	\$ 3.8960	\$ 4.9901
67	\$ 3.1055	\$ 3.7139	\$ 4.2131	\$ 3.1724	\$ 3.7155	\$ 4.7761
68	\$ 3.0980	\$ 3.7439	\$ 4.2156	\$ 3.0776	\$ 3.6216	\$ 4.3185
69	\$ 3.1534	\$ 3.7709	\$ 4.4378	\$ 3.1702	\$ 3.9561	\$ 4.9901
70	\$ 3.4085	\$ 3.9009	\$ 4.4495	\$ 3.2178	\$ 4.1423	\$ 4.7482
71	\$ 3.3339	\$ 3.7975	\$ 4.4525	\$ 3.0411	\$ 3.8532	\$ 4.7066
72	\$ 3.1751	\$ 3.8392	\$ 4.3644	\$ 3.2162	\$ 3.8334	\$ 4.5702
73	\$ 3.0132	\$ 3.7201	\$ 4.4809	\$ 3.1065	\$ 3.7277	\$ 4.4366
74	\$ 3.0532	\$ 3.6927	\$ 4.5369	\$ 2.8846	\$ 3.5690	\$ 4.3235
75	\$ 3.4137	\$ 3.7808	\$ 4.1854	\$ 2.9977	\$ 3.6476	\$ 4.9922
76	\$ 3.0190	\$ 3.6467	\$ 4.5303	\$ 3.2135	\$ 4.0658	\$ 4.9168
77	\$ 3.0190	\$ 3.6084	\$ 4.1483	\$ 3.2732	\$ 3.7692	\$ 4.6093
78	\$ 2.9913	\$ 3.6099	\$ 4.1127	\$ 2.8846	\$ 3.8149	\$ 5.2538
79	\$ 2.9913	\$ 3.8650	\$ 4.3920	\$ 3.0776	\$ 3.8333	\$ 4.9922
80	\$ 3.3863	\$ 3.7123	\$ 4.5725	\$ 3.1964	\$ 3.8721	\$ 4.7553
81	\$ 3.1630	\$ 3.7527	\$ 4.3860	\$ 3.1541	\$ 3.7090	\$ 4.7226
82	\$ 3.2252	\$ 3.8078	\$ 4.1725	\$ 3.0411	\$ 3.6235	\$ 4.5127
83	\$ 3.0042	\$ 3.5835	\$ 4.2720	\$ 3.0690	\$ 3.6831	\$ 4.9167
84	\$ 3.2415	\$ 3.8153	\$ 4.9363	\$ 2.9230	\$ 3.8118	\$ 4.4210
85	\$ 3.4224	\$ 3.7740	\$ 4.2715	\$ 3.0370	\$ 3.8283	\$ 4.5715
86	\$ 2.9540	\$ 3.7568	\$ 4.4239	\$ 3.1759	\$ 3.8664	\$ 4.8667
87	\$ 3.0042	\$ 3.5086	\$ 4.1444	\$ 2.9884	\$ 3.8864	\$ 4.9922
88	\$ 3.2067	\$ 3.8875	\$ 4.9363	\$ 3.3104	\$ 3.9841	\$ 4.7474
89	\$ 3.2053	\$ 3.6893	\$ 4.2815	\$ 3.3545	\$ 3.7193	\$ 4.1238
90	\$ 2.9270	\$ 3.5812	\$ 4.0557	\$ 3.0411	\$ 3.5783	\$ 4.9603
91	\$ 3.1927	\$ 3.6747	\$ 4.1941	\$ 3.1887	\$ 3.8797	\$ 4.6118
92	\$ 3.1355	\$ 3.5849	\$ 4.3159	\$ 3.0617	\$ 3.8812	\$ 4.7140
93	\$ 3.0042	\$ 3.5783	\$ 4.2781	\$ 3.1038	\$ 3.8244	\$ 5.2538
94	\$ 3.1588	\$ 3.8537	\$ 4.5725	\$ 2.9425	\$ 3.7366	\$ 4.4719
95	\$ 3.1789	\$ 3.8307	\$ 4.8001	\$ 3.1865	\$ 3.7652	\$ 4.4586
96	\$ 2.9913	\$ 3.4175	\$ 3.7869	\$ 3.0567	\$ 3.8774	\$ 4.6088
97	\$ 3.3418	\$ 3.9050	\$ 4.6011	\$ 3.0965	\$ 3.8010	\$ 4.5195
98	\$ 3.2756	\$ 3.8158	\$ 4.3680	\$ 3.0162	\$ 3.8787	\$ 5.0072
99	\$ 3.1936	\$ 3.6097	\$ 4.2183	\$ 3.1004	\$ 3.8119	\$ 4.1935
100	\$ 3.1496	\$ 3.8009	\$ 4.7249	\$ 3.0567	\$ 3.4421	\$ 4.0681

Draw	2018			2019		
	Min	Average	Max	Min	Average	Max
101	\$ 3.1134	\$ 3.6631	\$ 4.3242	\$ 2.9425	\$ 3.7559	\$ 4.3562
102	\$ 3.0132	\$ 3.6864	\$ 4.4047	\$ 2.9723	\$ 3.9293	\$ 5.0072
103	\$ 3.3027	\$ 3.6463	\$ 4.3626	\$ 2.9369	\$ 3.4846	\$ 4.2049
104	\$ 2.9913	\$ 3.6709	\$ 4.3983	\$ 3.2223	\$ 3.9356	\$ 4.9922
105	\$ 3.0949	\$ 3.8762	\$ 4.5366	\$ 2.8846	\$ 3.9278	\$ 4.7240
106	\$ 3.1478	\$ 3.7369	\$ 4.8589	\$ 3.1015	\$ 3.9669	\$ 4.5154
107	\$ 3.2974	\$ 3.8386	\$ 4.2331	\$ 3.0283	\$ 3.6299	\$ 4.7916
108	\$ 3.2756	\$ 3.9339	\$ 4.7768	\$ 2.9369	\$ 3.8531	\$ 5.0028
109	\$ 3.0384	\$ 3.6251	\$ 4.2946	\$ 3.1771	\$ 3.9119	\$ 4.9908
110	\$ 3.2449	\$ 3.8687	\$ 4.7885	\$ 3.0939	\$ 3.7340	\$ 4.3304
111	\$ 3.1055	\$ 3.6444	\$ 4.0532	\$ 3.0370	\$ 3.9191	\$ 5.0028
112	\$ 3.0132	\$ 3.7575	\$ 4.3529	\$ 2.9884	\$ 3.6711	\$ 5.0072
113	\$ 3.0349	\$ 3.6925	\$ 4.6011	\$ 2.9429	\$ 3.6076	\$ 4.3054
114	\$ 3.1534	\$ 3.7213	\$ 4.2108	\$ 2.9425	\$ 3.5985	\$ 4.4986
115	\$ 3.1504	\$ 3.8485	\$ 4.5975	\$ 2.9369	\$ 3.5929	\$ 4.3731
116	\$ 2.9913	\$ 3.6125	\$ 4.2358	\$ 3.0134	\$ 3.7500	\$ 4.6370
117	\$ 3.2997	\$ 3.8402	\$ 4.1436	\$ 2.8850	\$ 3.7215	\$ 4.6354
118	\$ 3.1014	\$ 3.6701	\$ 4.1274	\$ 2.9429	\$ 3.7749	\$ 4.4088
119	\$ 3.0844	\$ 3.8337	\$ 4.1836	\$ 2.8846	\$ 3.7291	\$ 4.9240
120	\$ 3.1599	\$ 3.7378	\$ 4.5823	\$ 2.8895	\$ 3.9344	\$ 4.7123
121	\$ 3.0844	\$ 3.7815	\$ 4.6928	\$ 3.0568	\$ 3.6845	\$ 4.5312
122	\$ 3.1871	\$ 3.8031	\$ 4.3984	\$ 3.1213	\$ 3.7297	\$ 4.8805
123	\$ 3.0509	\$ 3.7447	\$ 4.1937	\$ 3.0737	\$ 3.6355	\$ 4.3303
124	\$ 3.2756	\$ 3.7963	\$ 4.1270	\$ 2.9429	\$ 3.8303	\$ 4.8054
125	\$ 3.0132	\$ 3.6336	\$ 4.1211	\$ 3.2634	\$ 3.9310	\$ 4.7922
126	\$ 3.0132	\$ 3.7642	\$ 4.3213	\$ 3.1673	\$ 3.6833	\$ 4.3398
127	\$ 3.2226	\$ 3.7915	\$ 4.2655	\$ 3.0370	\$ 3.6938	\$ 4.6306
128	\$ 3.1490	\$ 3.8179	\$ 4.5725	\$ 3.1773	\$ 4.0501	\$ 4.6899
129	\$ 2.9270	\$ 3.6422	\$ 4.2352	\$ 3.1985	\$ 3.8375	\$ 4.6270
130	\$ 2.9913	\$ 3.7135	\$ 4.6112	\$ 2.9425	\$ 3.8057	\$ 5.0072
131	\$ 3.1205	\$ 3.7749	\$ 4.4956	\$ 3.2423	\$ 3.8360	\$ 4.4672
132	\$ 3.1427	\$ 3.6926	\$ 4.2896	\$ 3.0372	\$ 3.7565	\$ 4.3063
133	\$ 3.1720	\$ 3.6310	\$ 4.4223	\$ 2.8846	\$ 3.4227	\$ 3.8447
134	\$ 3.0792	\$ 3.7055	\$ 4.4391	\$ 3.2659	\$ 3.7302	\$ 4.6291
135	\$ 3.2756	\$ 3.7803	\$ 4.5725	\$ 2.9425	\$ 3.8884	\$ 4.7554
136	\$ 3.0190	\$ 3.7543	\$ 4.3585	\$ 3.4134	\$ 3.8493	\$ 4.2816
137	\$ 3.1055	\$ 3.7059	\$ 4.1854	\$ 3.0399	\$ 3.5880	\$ 4.3933
138	\$ 3.3804	\$ 3.7655	\$ 4.2695	\$ 3.2901	\$ 3.9702	\$ 5.1132
139	\$ 3.1055	\$ 3.6081	\$ 4.0171	\$ 3.3193	\$ 3.9463	\$ 4.7748
140	\$ 3.2379	\$ 3.6534	\$ 4.4659	\$ 2.9425	\$ 3.9379	\$ 4.8086
141	\$ 3.0311	\$ 3.7581	\$ 4.6948	\$ 3.0370	\$ 3.8021	\$ 4.4203
142	\$ 3.0042	\$ 3.6925	\$ 4.1917	\$ 2.9429	\$ 3.6986	\$ 5.2538
143	\$ 3.2598	\$ 3.7429	\$ 4.3842	\$ 3.0348	\$ 3.8374	\$ 4.7279
144	\$ 3.2927	\$ 3.7043	\$ 4.6357	\$ 3.4433	\$ 4.0204	\$ 4.8144
145	\$ 3.2582	\$ 3.6965	\$ 4.1909	\$ 3.3062	\$ 3.8143	\$ 4.7284
146	\$ 3.4292	\$ 3.7851	\$ 4.6851	\$ 2.9884	\$ 3.5608	\$ 4.5287
147	\$ 3.0132	\$ 3.6622	\$ 4.3747	\$ 3.0567	\$ 3.8635	\$ 5.0149
148	\$ 3.2829	\$ 3.7627	\$ 4.4573	\$ 2.9599	\$ 3.8806	\$ 4.7550
149	\$ 3.0035	\$ 3.6133	\$ 4.0025	\$ 2.9994	\$ 3.6935	\$ 4.0637
150	\$ 3.1489	\$ 3.6918	\$ 4.1686	\$ 3.5470	\$ 4.0453	\$ 4.7409

Draw	2018			2019		
	Min	Average	Max	Min	Average	Max
151	\$ 3.0132	\$ 3.6691	\$ 4.6135	\$ 3.0370	\$ 3.8439	\$ 4.6230
152	\$ 3.0042	\$ 3.5443	\$ 4.3539	\$ 2.8846	\$ 3.6974	\$ 4.6150
153	\$ 3.2184	\$ 3.7347	\$ 4.9363	\$ 3.0370	\$ 3.5504	\$ 4.6619
154	\$ 3.1261	\$ 3.5861	\$ 4.1352	\$ 3.0105	\$ 3.5200	\$ 4.5373
155	\$ 3.1055	\$ 3.6814	\$ 4.3750	\$ 3.1523	\$ 3.9283	\$ 5.0028
156	\$ 3.1319	\$ 3.7051	\$ 4.3257	\$ 3.0226	\$ 4.1472	\$ 5.0710
157	\$ 2.9913	\$ 3.7560	\$ 4.8573	\$ 2.9593	\$ 3.5850	\$ 4.0396
158	\$ 3.1590	\$ 3.7580	\$ 4.3827	\$ 3.0162	\$ 3.7748	\$ 5.0149
159	\$ 3.0915	\$ 3.7461	\$ 4.5127	\$ 2.9884	\$ 3.8719	\$ 5.2538
160	\$ 3.3287	\$ 3.7548	\$ 4.3401	\$ 3.1670	\$ 3.7853	\$ 5.0710
161	\$ 3.2923	\$ 3.7171	\$ 4.1570	\$ 2.9429	\$ 3.6726	\$ 4.4179
162	\$ 2.9270	\$ 3.7486	\$ 4.6246	\$ 3.1827	\$ 3.9236	\$ 4.6202
163	\$ 3.3373	\$ 3.7176	\$ 4.5752	\$ 3.0380	\$ 3.5952	\$ 4.9568
164	\$ 3.3405	\$ 3.8386	\$ 4.1503	\$ 2.9415	\$ 3.7999	\$ 4.4848
165	\$ 3.0132	\$ 3.7498	\$ 4.3938	\$ 2.8846	\$ 3.7946	\$ 5.1948
166	\$ 3.1968	\$ 3.6493	\$ 4.1135	\$ 2.9369	\$ 3.7859	\$ 4.7279
167	\$ 3.5498	\$ 3.7306	\$ 4.2397	\$ 2.9425	\$ 3.9241	\$ 5.0028
168	\$ 3.0190	\$ 3.6497	\$ 4.6101	\$ 2.9429	\$ 3.8257	\$ 4.7529
169	\$ 3.1120	\$ 3.7926	\$ 4.2567	\$ 3.0271	\$ 3.6730	\$ 4.2298
170	\$ 3.0042	\$ 3.6362	\$ 4.2753	\$ 2.9425	\$ 3.7734	\$ 4.9003
171	\$ 3.0132	\$ 3.6421	\$ 4.2053	\$ 3.2634	\$ 3.9312	\$ 4.7278
172	\$ 3.4780	\$ 3.7197	\$ 4.0450	\$ 3.5052	\$ 4.0077	\$ 4.9950
173	\$ 3.1055	\$ 3.4909	\$ 4.2121	\$ 3.1647	\$ 3.6868	\$ 4.3280
174	\$ 2.9270	\$ 3.5868	\$ 4.1487	\$ 3.2309	\$ 3.8889	\$ 4.8527
175	\$ 3.3588	\$ 3.8023	\$ 4.0887	\$ 3.3455	\$ 3.8290	\$ 4.4263
176	\$ 3.0190	\$ 3.6396	\$ 4.2100	\$ 3.2765	\$ 3.6734	\$ 4.4646
177	\$ 3.0847	\$ 3.5949	\$ 4.3162	\$ 3.0567	\$ 3.7819	\$ 4.4468
178	\$ 2.9270	\$ 3.5643	\$ 4.3229	\$ 2.9429	\$ 3.4438	\$ 4.6632
179	\$ 3.2017	\$ 3.7585	\$ 4.2808	\$ 2.8846	\$ 3.7609	\$ 4.4401
180	\$ 3.0190	\$ 3.6001	\$ 4.2591	\$ 2.9425	\$ 3.6616	\$ 4.3863
181	\$ 3.0097	\$ 3.6447	\$ 4.2038	\$ 3.0370	\$ 3.8839	\$ 5.0028
182	\$ 3.0132	\$ 3.6450	\$ 4.4005	\$ 3.0567	\$ 3.9016	\$ 4.8982
183	\$ 3.1331	\$ 3.6131	\$ 4.3081	\$ 3.0370	\$ 3.7223	\$ 4.3323
184	\$ 3.0992	\$ 3.7132	\$ 4.5618	\$ 2.9884	\$ 3.7518	\$ 4.6825
185	\$ 3.2039	\$ 3.6056	\$ 4.1628	\$ 3.2327	\$ 3.9338	\$ 5.2538
186	\$ 3.2203	\$ 3.8134	\$ 4.3136	\$ 3.4330	\$ 4.0215	\$ 4.6563
187	\$ 3.0190	\$ 3.7375	\$ 4.5594	\$ 2.9425	\$ 3.5060	\$ 3.7732
188	\$ 3.2456	\$ 3.7391	\$ 4.2044	\$ 2.8846	\$ 3.6170	\$ 4.3676
189	\$ 3.2702	\$ 3.6749	\$ 4.0652	\$ 3.0716	\$ 3.6359	\$ 4.0888
190	\$ 3.2494	\$ 3.6789	\$ 4.3373	\$ 3.1119	\$ 3.7049	\$ 5.0072
191	\$ 2.9538	\$ 3.7180	\$ 4.6249	\$ 2.9369	\$ 3.7593	\$ 4.2530
192	\$ 3.0068	\$ 3.6429	\$ 4.1704	\$ 3.0990	\$ 3.6515	\$ 5.0782
193	\$ 3.2652	\$ 3.7038	\$ 4.8001	\$ 3.1970	\$ 3.7275	\$ 4.3029
194	\$ 3.2765	\$ 3.8026	\$ 4.2596	\$ 3.0544	\$ 3.8858	\$ 4.9473
195	\$ 3.3071	\$ 3.7954	\$ 4.2245	\$ 3.1431	\$ 3.8184	\$ 4.5124
196	\$ 3.0533	\$ 3.7744	\$ 4.2234	\$ 3.0306	\$ 3.6298	\$ 4.3645
197	\$ 3.2263	\$ 3.6685	\$ 4.4640	\$ 2.9772	\$ 3.8157	\$ 4.9037
198	\$ 3.0132	\$ 3.8433	\$ 4.6790	\$ 3.2853	\$ 3.8518	\$ 4.5974
199	\$ 3.0132	\$ 3.5365	\$ 4.0800	\$ 2.9674	\$ 3.6036	\$ 4.5618
200	\$ 3.0243	\$ 3.6252	\$ 4.3451	\$ 3.2665	\$ 3.9576	\$ 4.8448
Min	\$ 2.9270	\$ 3.4175	\$ 3.7869	\$ 2.8846	\$ 3.4227	\$ 3.7732
Average	\$ 3.1285	\$ 3.7122	\$ 4.3614	\$ 3.0881	\$ 3.7931	\$ 4.6576
Max	\$ 3.5498	\$ 3.9521	\$ 4.9363	\$ 3.6009	\$ 4.1472	\$ 5.2538

Draw	2020			2021			2022		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 3.1575	\$ 3.7808	\$ 5.5352	\$ 3.2288	\$ 4.2820	\$ 4.9323	\$ 2.8194	\$ 4.1420	\$ 6.2010
2	\$ 3.1217	\$ 3.9319	\$ 5.0487	\$ 3.4787	\$ 4.2278	\$ 5.0383	\$ 3.6156	\$ 4.6326	\$ 5.7255
3	\$ 3.3088	\$ 4.1100	\$ 4.6516	\$ 2.9576	\$ 4.0271	\$ 4.7749	\$ 2.9627	\$ 4.1077	\$ 5.0336
4	\$ 3.3295	\$ 4.3359	\$ 5.3380	\$ 3.1593	\$ 4.4365	\$ 5.8973	\$ 3.1154	\$ 4.4286	\$ 6.3349
5	\$ 3.3551	\$ 4.0775	\$ 5.3817	\$ 3.2485	\$ 4.0478	\$ 5.0456	\$ 3.0955	\$ 4.0954	\$ 5.3040
6	\$ 3.5278	\$ 3.8771	\$ 4.5371	\$ 2.9556	\$ 3.8628	\$ 4.9941	\$ 2.9180	\$ 4.5980	\$ 5.9596
7	\$ 3.3009	\$ 4.2051	\$ 5.5062	\$ 2.7765	\$ 4.0147	\$ 5.4372	\$ 2.9506	\$ 4.0568	\$ 5.3486
8	\$ 3.4190	\$ 4.2112	\$ 5.0309	\$ 3.0532	\$ 3.8237	\$ 4.8056	\$ 2.9866	\$ 3.9390	\$ 5.0544
9	\$ 3.0163	\$ 4.0869	\$ 5.3665	\$ 3.3064	\$ 3.9883	\$ 5.6740	\$ 3.4533	\$ 4.4016	\$ 6.2679
10	\$ 3.0123	\$ 3.9557	\$ 5.0353	\$ 3.1491	\$ 3.9563	\$ 5.4223	\$ 2.7539	\$ 4.5348	\$ 6.6523
11	\$ 3.1278	\$ 4.1195	\$ 5.0861	\$ 3.3067	\$ 4.1340	\$ 5.6835	\$ 2.8565	\$ 4.2465	\$ 5.7374
12	\$ 3.0573	\$ 3.9283	\$ 4.5573	\$ 2.8948	\$ 3.9605	\$ 5.8652	\$ 3.0839	\$ 4.1039	\$ 5.3766
13	\$ 2.9542	\$ 3.8889	\$ 4.7288	\$ 2.8241	\$ 3.9153	\$ 4.9347	\$ 3.2315	\$ 4.4741	\$ 6.2726
14	\$ 3.0123	\$ 4.2273	\$ 5.2427	\$ 3.1098	\$ 3.9884	\$ 5.0001	\$ 2.7443	\$ 3.8071	\$ 6.2084
15	\$ 3.0752	\$ 4.0052	\$ 5.0078	\$ 3.2375	\$ 4.2730	\$ 5.7286	\$ 2.8758	\$ 3.8624	\$ 5.5408
16	\$ 2.9542	\$ 3.9172	\$ 4.5602	\$ 2.9917	\$ 4.0565	\$ 5.2468	\$ 3.0632	\$ 4.0864	\$ 5.0034
17	\$ 3.2490	\$ 4.1244	\$ 5.6665	\$ 3.4281	\$ 4.3561	\$ 5.1755	\$ 2.6662	\$ 3.6829	\$ 4.7241
18	\$ 3.1031	\$ 3.8622	\$ 5.2844	\$ 3.2172	\$ 4.1067	\$ 5.2889	\$ 3.2995	\$ 5.0129	\$ 6.3500
19	\$ 3.0546	\$ 4.1249	\$ 4.9598	\$ 3.1348	\$ 3.7060	\$ 5.0463	\$ 2.7443	\$ 3.9405	\$ 4.8456
20	\$ 3.5158	\$ 4.2595	\$ 5.5755	\$ 3.0243	\$ 3.9171	\$ 5.0263	\$ 3.0619	\$ 3.9407	\$ 5.2773
21	\$ 3.0211	\$ 3.8470	\$ 4.6708	\$ 2.7765	\$ 4.3758	\$ 5.9717	\$ 2.8853	\$ 4.1775	\$ 5.3078
22	\$ 3.5325	\$ 3.9911	\$ 4.7107	\$ 3.0854	\$ 3.8853	\$ 4.9044	\$ 2.7570	\$ 3.9047	\$ 4.8305
23	\$ 3.3525	\$ 3.9661	\$ 5.0862	\$ 3.1456	\$ 4.0774	\$ 6.2614	\$ 3.1779	\$ 4.2209	\$ 5.8204
24	\$ 3.0902	\$ 3.6771	\$ 4.1458	\$ 2.8632	\$ 3.9763	\$ 5.1087	\$ 2.7443	\$ 3.8216	\$ 5.2856
25	\$ 3.3466	\$ 3.9113	\$ 4.6926	\$ 2.9201	\$ 4.2218	\$ 5.2615	\$ 3.0871	\$ 4.1762	\$ 5.4390
26	\$ 3.2013	\$ 4.0426	\$ 5.3800	\$ 3.0669	\$ 3.9380	\$ 5.1246	\$ 3.5210	\$ 4.8171	\$ 6.0898
27	\$ 2.9542	\$ 3.6134	\$ 4.4905	\$ 3.2311	\$ 3.9482	\$ 5.3422	\$ 2.9783	\$ 4.0241	\$ 5.0755
28	\$ 3.0534	\$ 3.7578	\$ 5.3400	\$ 3.3173	\$ 4.3003	\$ 5.6586	\$ 2.8137	\$ 3.6606	\$ 5.4818
29	\$ 3.3272	\$ 3.9873	\$ 5.0468	\$ 3.1886	\$ 3.9282	\$ 4.4752	\$ 2.7641	\$ 3.8853	\$ 5.6539
30	\$ 3.0833	\$ 4.2447	\$ 5.3101	\$ 2.8157	\$ 3.8794	\$ 5.5998	\$ 2.9083	\$ 4.0985	\$ 6.6523
31	\$ 3.1273	\$ 3.9822	\$ 5.3276	\$ 2.8945	\$ 4.1930	\$ 5.9235	\$ 3.2991	\$ 4.4168	\$ 6.1028
32	\$ 3.0123	\$ 3.8160	\$ 4.7280	\$ 3.1466	\$ 4.2372	\$ 5.4136	\$ 3.0275	\$ 4.2347	\$ 5.2752
33	\$ 3.1217	\$ 3.8450	\$ 5.4567	\$ 2.9996	\$ 4.3327	\$ 5.2769	\$ 3.2077	\$ 4.2687	\$ 5.6147
34	\$ 3.1432	\$ 4.1688	\$ 4.8344	\$ 3.1018	\$ 3.9653	\$ 5.2833	\$ 2.9038	\$ 4.2673	\$ 5.3631
35	\$ 2.9747	\$ 3.9165	\$ 5.9744	\$ 3.1105	\$ 4.1401	\$ 5.1557	\$ 3.1426	\$ 3.9792	\$ 5.1770
36	\$ 3.2490	\$ 3.8664	\$ 4.6445	\$ 2.8643	\$ 4.1999	\$ 5.9103	\$ 2.7539	\$ 4.3978	\$ 6.3349
37	\$ 2.8778	\$ 3.7773	\$ 4.5523	\$ 3.1882	\$ 4.1867	\$ 6.0055	\$ 2.9038	\$ 4.1135	\$ 5.3428
38	\$ 3.3104	\$ 3.8489	\$ 5.1940	\$ 3.0732	\$ 3.7265	\$ 4.8313	\$ 2.9038	\$ 4.0858	\$ 5.0092
39	\$ 3.1031	\$ 3.8063	\$ 4.5934	\$ 3.2507	\$ 4.2482	\$ 5.8291	\$ 2.8139	\$ 3.9902	\$ 5.1115
40	\$ 3.1031	\$ 3.8046	\$ 4.5826	\$ 3.3310	\$ 3.8644	\$ 4.6133	\$ 3.0626	\$ 4.3249	\$ 6.2726
41	\$ 3.1217	\$ 3.7943	\$ 4.5854	\$ 2.9666	\$ 3.7834	\$ 5.0875	\$ 2.9783	\$ 3.9583	\$ 5.4062
42	\$ 3.0027	\$ 3.9511	\$ 5.5227	\$ 2.9581	\$ 4.0154	\$ 5.9355	\$ 2.9987	\$ 3.7420	\$ 5.1108
43	\$ 3.1022	\$ 3.9446	\$ 5.0282	\$ 3.7219	\$ 4.3338	\$ 5.0455	\$ 3.3784	\$ 4.1856	\$ 5.2799
44	\$ 3.3866	\$ 4.1634	\$ 5.4913	\$ 2.8643	\$ 3.9273	\$ 4.4090	\$ 3.4873	\$ 4.1990	\$ 5.5741
45	\$ 2.9542	\$ 3.7255	\$ 4.7826	\$ 2.8632	\$ 4.4222	\$ 5.4737	\$ 3.1301	\$ 4.0960	\$ 5.8788
46	\$ 2.9542	\$ 3.8095	\$ 4.5145	\$ 3.1095	\$ 4.0595	\$ 5.1455	\$ 2.8068	\$ 3.6998	\$ 5.0809
47	\$ 3.3744	\$ 4.2141	\$ 5.0639	\$ 2.8632	\$ 4.0268	\$ 5.3607	\$ 2.9180	\$ 3.9823	\$ 5.3299
48	\$ 3.4062	\$ 3.9367	\$ 4.6852	\$ 3.1249	\$ 4.1939	\$ 5.2657	\$ 2.6662	\$ 4.1173	\$ 5.6623
49	\$ 3.1993	\$ 4.3174	\$ 5.5352	\$ 3.2014	\$ 4.1337	\$ 5.8887	\$ 3.3685	\$ 4.2031	\$ 5.4345
50	\$ 3.1217	\$ 3.8719	\$ 5.2408	\$ 2.8632	\$ 4.2274	\$ 5.4879	\$ 3.3143	\$ 4.2468	\$ 5.8114

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2020			2021			2022		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 2.9043	\$ 3.9041	\$ 5.9744	\$ 3.4905	\$ 4.4105	\$ 5.8991	\$ 2.9987	\$ 4.1245	\$ 6.3035
52	\$ 2.9919	\$ 3.9941	\$ 5.2597	\$ 3.1291	\$ 4.1351	\$ 5.1455	\$ 2.9630	\$ 4.5358	\$ 6.3036
53	\$ 3.0642	\$ 4.0740	\$ 5.7325	\$ 2.8632	\$ 4.1491	\$ 5.1251	\$ 3.2587	\$ 4.1593	\$ 5.4627
54	\$ 3.1325	\$ 3.8780	\$ 4.7246	\$ 3.4474	\$ 4.0189	\$ 5.1368	\$ 2.7539	\$ 3.9537	\$ 5.6644
55	\$ 3.4106	\$ 4.1773	\$ 5.7197	\$ 3.4894	\$ 4.2678	\$ 5.2560	\$ 3.1005	\$ 4.2019	\$ 5.4999
56	\$ 3.1284	\$ 3.7646	\$ 4.4320	\$ 2.8643	\$ 4.1011	\$ 5.5079	\$ 2.9635	\$ 3.9789	\$ 4.4549
57	\$ 2.8778	\$ 3.8691	\$ 5.4246	\$ 2.8632	\$ 4.1934	\$ 6.2614	\$ 2.6662	\$ 4.1206	\$ 5.7482
58	\$ 3.2978	\$ 4.2174	\$ 5.5755	\$ 3.2920	\$ 4.3423	\$ 6.0568	\$ 2.7570	\$ 4.2652	\$ 6.2586
59	\$ 3.0349	\$ 3.9140	\$ 5.2062	\$ 2.9545	\$ 3.8015	\$ 5.0110	\$ 2.8546	\$ 4.2248	\$ 6.3349
60	\$ 3.0137	\$ 4.2009	\$ 5.2565	\$ 3.2451	\$ 4.1153	\$ 5.4566	\$ 2.7570	\$ 4.0569	\$ 5.9226
61	\$ 2.9542	\$ 3.9239	\$ 5.3694	\$ 2.9485	\$ 4.3164	\$ 5.6788	\$ 2.9878	\$ 4.1448	\$ 5.5660
62	\$ 3.0378	\$ 3.7614	\$ 4.8383	\$ 2.8157	\$ 3.8010	\$ 5.1752	\$ 2.8173	\$ 4.0534	\$ 4.9620
63	\$ 3.1965	\$ 3.9622	\$ 4.5575	\$ 3.2289	\$ 4.1489	\$ 5.0174	\$ 2.9180	\$ 4.1552	\$ 6.1021
64	\$ 3.0055	\$ 3.9973	\$ 5.0400	\$ 3.2172	\$ 4.1227	\$ 5.5267	\$ 2.6662	\$ 4.2159	\$ 5.7975
65	\$ 3.1108	\$ 3.7945	\$ 4.8973	\$ 3.0243	\$ 4.1532	\$ 4.8056	\$ 2.7443	\$ 4.2900	\$ 6.2287
66	\$ 3.2097	\$ 3.8637	\$ 5.2926	\$ 2.9090	\$ 3.8383	\$ 4.9789	\$ 2.8521	\$ 3.8008	\$ 5.1717
67	\$ 3.3742	\$ 3.9344	\$ 4.7511	\$ 2.9682	\$ 4.1328	\$ 5.8926	\$ 2.6662	\$ 3.9710	\$ 6.1097
68	\$ 3.0539	\$ 3.8975	\$ 4.9861	\$ 3.2468	\$ 4.1291	\$ 5.7286	\$ 3.1379	\$ 4.1769	\$ 5.7138
69	\$ 3.0007	\$ 3.9415	\$ 5.7463	\$ 3.0732	\$ 4.0497	\$ 5.9292	\$ 2.9024	\$ 3.6759	\$ 4.7334
70	\$ 2.9542	\$ 3.8305	\$ 5.0345	\$ 3.8287	\$ 4.5535	\$ 5.0520	\$ 3.5409	\$ 4.6855	\$ 5.8248
71	\$ 3.2701	\$ 3.8965	\$ 4.9932	\$ 2.8632	\$ 4.2041	\$ 6.0568	\$ 3.1347	\$ 3.9643	\$ 5.0310
72	\$ 3.0123	\$ 3.9496	\$ 4.5205	\$ 2.8643	\$ 4.1273	\$ 5.6046	\$ 2.9038	\$ 4.4995	\$ 6.4472
73	\$ 3.2422	\$ 3.9997	\$ 4.9870	\$ 2.9452	\$ 4.0286	\$ 6.1337	\$ 3.4413	\$ 4.4032	\$ 6.5500
74	\$ 3.3520	\$ 4.2899	\$ 5.0416	\$ 2.9090	\$ 3.8872	\$ 4.8813	\$ 2.6662	\$ 4.0390	\$ 5.8904
75	\$ 2.8778	\$ 4.0130	\$ 5.2405	\$ 3.6039	\$ 4.4906	\$ 5.8045	\$ 3.0298	\$ 4.1796	\$ 5.7438
76	\$ 3.1031	\$ 4.2020	\$ 5.5227	\$ 3.0645	\$ 4.2914	\$ 5.2059	\$ 2.6662	\$ 4.1617	\$ 5.2240
77	\$ 3.1089	\$ 3.7716	\$ 4.5880	\$ 3.3110	\$ 4.3954	\$ 6.2614	\$ 2.9572	\$ 4.1462	\$ 5.4490
78	\$ 3.3191	\$ 4.2604	\$ 5.5227	\$ 2.9497	\$ 3.7862	\$ 4.7213	\$ 2.7539	\$ 3.8516	\$ 4.4278
79	\$ 3.1936	\$ 3.9496	\$ 4.8923	\$ 2.9090	\$ 3.8980	\$ 5.9059	\$ 2.7819	\$ 4.0266	\$ 4.9822
80	\$ 3.1725	\$ 4.0767	\$ 4.9573	\$ 2.7765	\$ 3.6424	\$ 4.2664	\$ 2.8806	\$ 4.1251	\$ 5.9666
81	\$ 3.3162	\$ 4.1872	\$ 5.4588	\$ 3.0823	\$ 3.9221	\$ 5.6579	\$ 2.7443	\$ 3.8474	\$ 6.1040
82	\$ 3.2490	\$ 4.0706	\$ 4.8874	\$ 3.0011	\$ 3.8648	\$ 4.8749	\$ 3.4326	\$ 4.1483	\$ 5.5769
83	\$ 3.2692	\$ 4.0796	\$ 5.5224	\$ 2.8632	\$ 4.0088	\$ 4.9452	\$ 3.7705	\$ 4.4888	\$ 5.8918
84	\$ 3.0631	\$ 4.2784	\$ 5.1674	\$ 3.3861	\$ 4.1540	\$ 4.8551	\$ 2.6662	\$ 3.8167	\$ 4.8283
85	\$ 3.2881	\$ 4.2029	\$ 5.2163	\$ 2.9248	\$ 4.1860	\$ 5.4173	\$ 3.1947	\$ 4.4375	\$ 6.6523
86	\$ 2.9480	\$ 3.9131	\$ 5.3484	\$ 3.3064	\$ 4.4490	\$ 5.9292	\$ 2.7519	\$ 4.1960	\$ 6.4472
87	\$ 3.0928	\$ 3.9416	\$ 4.7816	\$ 3.3652	\$ 3.8881	\$ 4.5441	\$ 3.2121	\$ 4.3864	\$ 5.9942
88	\$ 3.3040	\$ 3.9805	\$ 5.4673	\$ 3.2288	\$ 4.4987	\$ 5.9520	\$ 2.9038	\$ 3.7628	\$ 4.9297
89	\$ 3.0671	\$ 4.1985	\$ 5.4447	\$ 3.2288	\$ 3.9382	\$ 5.4818	\$ 2.9800	\$ 4.4928	\$ 5.9578
90	\$ 3.3501	\$ 4.1023	\$ 4.8778	\$ 2.8668	\$ 4.0003	\$ 5.6569	\$ 2.9180	\$ 4.3585	\$ 6.3349
91	\$ 3.6092	\$ 4.2105	\$ 5.0419	\$ 3.0732	\$ 3.9342	\$ 5.9059	\$ 2.9180	\$ 3.8068	\$ 4.5419
92	\$ 3.0349	\$ 3.7189	\$ 4.4493	\$ 3.1282	\$ 4.2759	\$ 5.3706	\$ 3.0623	\$ 4.0721	\$ 5.0246
93	\$ 3.1217	\$ 4.1301	\$ 5.5900	\$ 2.9687	\$ 3.9458	\$ 5.4271	\$ 2.8493	\$ 3.9931	\$ 5.2538
94	\$ 3.1217	\$ 4.0127	\$ 4.7605	\$ 2.9854	\$ 3.7833	\$ 4.5482	\$ 2.9180	\$ 4.3432	\$ 6.2499
95	\$ 3.1741	\$ 4.1585	\$ 4.6978	\$ 2.9901	\$ 4.3122	\$ 5.5385	\$ 2.7539	\$ 3.8632	\$ 5.3156
96	\$ 3.1135	\$ 3.7214	\$ 4.9955	\$ 3.1976	\$ 4.4637	\$ 5.6489	\$ 2.8560	\$ 4.2118	\$ 6.3086
97	\$ 3.5406	\$ 4.0627	\$ 4.8482	\$ 3.0835	\$ 4.1675	\$ 5.9705	\$ 2.6662	\$ 3.8347	\$ 6.2726
98	\$ 3.0449	\$ 4.0271	\$ 5.0888	\$ 3.1659	\$ 4.1288	\$ 5.2490	\$ 2.9580	\$ 3.9716	\$ 5.3793
99	\$ 3.2719	\$ 3.8924	\$ 4.4486	\$ 2.8762	\$ 4.1487	\$ 5.4728	\$ 2.7539	\$ 4.6436	\$ 6.2552
100	\$ 3.0055	\$ 3.6123	\$ 4.6603	\$ 3.0050	\$ 3.9984	\$ 5.7157	\$ 2.9038	\$ 4.0458	\$ 4.8903

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2020			2021			2022		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 2.8778	\$ 4.0545	\$ 4.8163	\$ 3.3610	\$ 3.9763	\$ 4.8837	\$ 2.6662	\$ 3.9527	\$ 5.3498
102	\$ 3.3821	\$ 4.1657	\$ 5.6101	\$ 3.2692	\$ 4.4587	\$ 5.9520	\$ 2.7443	\$ 3.9303	\$ 6.4058
103	\$ 2.9077	\$ 3.8660	\$ 4.7649	\$ 2.8632	\$ 4.0076	\$ 4.5548	\$ 3.1188	\$ 4.0701	\$ 4.6431
104	\$ 3.1936	\$ 3.9326	\$ 4.5038	\$ 3.0601	\$ 4.2836	\$ 5.5222	\$ 2.8173	\$ 4.0427	\$ 5.1342
105	\$ 3.0055	\$ 4.0546	\$ 5.3972	\$ 3.1215	\$ 4.1874	\$ 5.9296	\$ 2.7539	\$ 4.1730	\$ 5.2773
106	\$ 3.1936	\$ 3.8440	\$ 5.1710	\$ 2.9090	\$ 3.8561	\$ 5.9383	\$ 3.6163	\$ 4.4416	\$ 5.8951
107	\$ 3.0631	\$ 3.8303	\$ 5.0009	\$ 2.8157	\$ 4.1242	\$ 4.9194	\$ 2.7756	\$ 4.4886	\$ 6.4472
108	\$ 3.1217	\$ 3.8853	\$ 4.6630	\$ 3.1852	\$ 3.9841	\$ 4.9091	\$ 3.3529	\$ 4.7685	\$ 6.3349
109	\$ 2.9209	\$ 3.8203	\$ 4.8295	\$ 3.2466	\$ 4.0322	\$ 5.5174	\$ 3.2346	\$ 4.6110	\$ 6.0795
110	\$ 3.1028	\$ 4.0239	\$ 5.0484	\$ 3.6402	\$ 4.3816	\$ 5.4415	\$ 2.9038	\$ 3.8436	\$ 4.8004
111	\$ 3.4605	\$ 4.1466	\$ 5.1040	\$ 2.9201	\$ 4.1996	\$ 5.4110	\$ 3.1332	\$ 4.3201	\$ 6.2222
112	\$ 3.0449	\$ 3.9179	\$ 5.0683	\$ 2.9201	\$ 4.2364	\$ 5.9355	\$ 3.4393	\$ 4.6975	\$ 6.1992
113	\$ 2.8778	\$ 4.0297	\$ 5.2946	\$ 3.1119	\$ 3.9293	\$ 5.9355	\$ 2.7539	\$ 3.7490	\$ 4.5934
114	\$ 3.1073	\$ 4.4517	\$ 5.4913	\$ 2.7918	\$ 3.9937	\$ 6.2614	\$ 3.0029	\$ 3.8321	\$ 4.6511
115	\$ 3.3412	\$ 4.2917	\$ 5.5124	\$ 3.1323	\$ 3.8787	\$ 4.5694	\$ 3.7402	\$ 4.6043	\$ 5.7343
116	\$ 3.0123	\$ 4.0793	\$ 5.9744	\$ 3.1192	\$ 4.1069	\$ 5.9705	\$ 2.9162	\$ 4.1642	\$ 5.4360
117	\$ 3.0631	\$ 3.7392	\$ 4.5595	\$ 2.9201	\$ 3.8652	\$ 6.1080	\$ 2.8345	\$ 4.3388	\$ 5.6810
118	\$ 3.0631	\$ 3.9986	\$ 4.9190	\$ 3.1438	\$ 3.8997	\$ 4.9712	\$ 3.5335	\$ 4.5609	\$ 5.7510
119	\$ 3.1670	\$ 4.1661	\$ 5.2404	\$ 2.7765	\$ 4.0694	\$ 5.9520	\$ 2.9576	\$ 4.7375	\$ 5.5552
120	\$ 2.9542	\$ 3.7179	\$ 4.6945	\$ 2.9090	\$ 4.0706	\$ 5.5608	\$ 2.6662	\$ 4.0296	\$ 5.9362
121	\$ 3.0631	\$ 4.0451	\$ 5.2849	\$ 3.1174	\$ 4.5367	\$ 5.9292	\$ 2.9423	\$ 3.9073	\$ 5.1107
122	\$ 3.5172	\$ 4.0771	\$ 4.5680	\$ 2.8664	\$ 3.7729	\$ 4.7973	\$ 2.9180	\$ 4.1299	\$ 5.5544
123	\$ 3.1384	\$ 4.1907	\$ 5.4598	\$ 3.2892	\$ 4.3322	\$ 5.4687	\$ 3.0301	\$ 4.1951	\$ 6.0483
124	\$ 3.1537	\$ 3.9649	\$ 5.5227	\$ 3.0732	\$ 4.5092	\$ 5.9717	\$ 3.0703	\$ 3.9996	\$ 5.6648
125	\$ 3.2284	\$ 3.9332	\$ 5.5227	\$ 3.0019	\$ 3.8210	\$ 4.7458	\$ 2.9630	\$ 4.3014	\$ 5.5774
126	\$ 3.1339	\$ 4.0146	\$ 5.2485	\$ 3.1682	\$ 4.3061	\$ 6.2133	\$ 2.9510	\$ 4.2620	\$ 6.6523
127	\$ 3.3086	\$ 4.0883	\$ 5.4065	\$ 2.9472	\$ 3.7425	\$ 4.2293	\$ 3.0275	\$ 4.3512	\$ 6.2515
128	\$ 3.3410	\$ 3.8751	\$ 5.4487	\$ 2.9201	\$ 4.0181	\$ 5.5521	\$ 2.9330	\$ 3.9179	\$ 4.9136
129	\$ 3.0349	\$ 3.9520	\$ 4.7555	\$ 2.9901	\$ 4.0269	\$ 4.9489	\$ 2.9509	\$ 3.9689	\$ 5.2874
130	\$ 3.3044	\$ 4.0074	\$ 4.8981	\$ 3.1143	\$ 3.9482	\$ 5.1397	\$ 2.9038	\$ 4.1463	\$ 6.1456
131	\$ 3.0123	\$ 4.0216	\$ 5.1301	\$ 2.9901	\$ 4.1094	\$ 6.1470	\$ 2.8137	\$ 3.8911	\$ 5.8262
132	\$ 3.2119	\$ 4.1957	\$ 5.3800	\$ 3.6338	\$ 4.4221	\$ 6.0568	\$ 2.8274	\$ 3.8262	\$ 4.7854
133	\$ 3.0449	\$ 4.0561	\$ 5.2920	\$ 2.9362	\$ 4.1246	\$ 5.9292	\$ 3.1280	\$ 3.8885	\$ 4.8592
134	\$ 3.0276	\$ 4.1234	\$ 5.2080	\$ 3.2108	\$ 3.8516	\$ 4.7479	\$ 2.8137	\$ 4.0867	\$ 5.9466
135	\$ 3.3619	\$ 3.9792	\$ 5.0775	\$ 3.0243	\$ 4.2227	\$ 6.2614	\$ 2.9180	\$ 3.8619	\$ 4.9043
136	\$ 3.5614	\$ 4.1559	\$ 5.0378	\$ 3.4280	\$ 4.1260	\$ 4.8127	\$ 3.5365	\$ 4.2971	\$ 5.6854
137	\$ 3.2103	\$ 4.1917	\$ 5.3056	\$ 2.8803	\$ 4.1644	\$ 5.6649	\$ 3.1435	\$ 3.9210	\$ 5.4006
138	\$ 3.0946	\$ 4.2755	\$ 5.5092	\$ 3.4413	\$ 4.5376	\$ 5.4530	\$ 2.8032	\$ 4.1934	\$ 6.3349
139	\$ 3.2957	\$ 3.8326	\$ 5.1445	\$ 3.3813	\$ 4.1734	\$ 5.3014	\$ 2.9755	\$ 4.4141	\$ 5.4522
140	\$ 3.3578	\$ 4.2659	\$ 5.4406	\$ 2.7765	\$ 3.9938	\$ 4.7295	\$ 3.4044	\$ 4.2019	\$ 4.9401
141	\$ 3.3419	\$ 3.7228	\$ 3.9838	\$ 3.8345	\$ 4.3492	\$ 4.9446	\$ 3.0275	\$ 4.3423	\$ 5.9840
142	\$ 3.1311	\$ 3.8481	\$ 5.8917	\$ 2.8157	\$ 3.9932	\$ 4.7709	\$ 2.7443	\$ 3.8868	\$ 6.2726
143	\$ 3.0349	\$ 3.7266	\$ 4.6135	\$ 3.7271	\$ 4.2715	\$ 4.8521	\$ 2.7443	\$ 4.0955	\$ 6.2679
144	\$ 3.1936	\$ 3.8707	\$ 5.0271	\$ 3.2045	\$ 4.0303	\$ 4.9188	\$ 2.7443	\$ 4.2354	\$ 5.4951
145	\$ 3.2490	\$ 3.8755	\$ 4.5333	\$ 3.0243	\$ 4.4269	\$ 5.3526	\$ 2.8137	\$ 4.1917	\$ 6.2563
146	\$ 3.0955	\$ 3.7758	\$ 4.9430	\$ 2.8632	\$ 4.0289	\$ 5.2009	\$ 3.0275	\$ 4.0787	\$ 5.5077
147	\$ 3.2719	\$ 4.1453	\$ 5.4189	\$ 3.1143	\$ 4.0964	\$ 5.4320	\$ 3.1137	\$ 4.2846	\$ 6.5332
148	\$ 3.0055	\$ 4.2093	\$ 5.5062	\$ 2.8643	\$ 4.1512	\$ 5.9383	\$ 3.0741	\$ 4.3409	\$ 6.3500
149	\$ 3.5479	\$ 4.1142	\$ 4.5576	\$ 2.9483	\$ 4.3278	\$ 5.5405	\$ 2.9783	\$ 3.9673	\$ 6.1216
150	\$ 3.2572	\$ 4.0606	\$ 5.4682	\$ 3.2733	\$ 3.9691	\$ 5.1852	\$ 2.8137	\$ 4.0709	\$ 5.0942

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2020			2021			2022		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 2.9542	\$ 3.9145	\$ 5.4553	\$ 2.8643	\$ 4.1594	\$ 5.9292	\$ 3.0104	\$ 3.9290	\$ 5.2114
152	\$ 3.3212	\$ 4.2379	\$ 5.5227	\$ 3.2729	\$ 4.4243	\$ 5.5863	\$ 3.2245	\$ 4.3115	\$ 5.7366
153	\$ 3.3236	\$ 4.5160	\$ 5.7556	\$ 3.1365	\$ 4.0999	\$ 4.8470	\$ 2.7443	\$ 4.1032	\$ 5.5919
154	\$ 3.0449	\$ 3.8326	\$ 4.4005	\$ 3.1954	\$ 4.0840	\$ 4.9749	\$ 2.8137	\$ 4.1065	\$ 5.8909
155	\$ 3.0620	\$ 3.8087	\$ 4.7153	\$ 2.7850	\$ 4.2313	\$ 5.9705	\$ 3.1000	\$ 4.0199	\$ 5.3443
156	\$ 3.1296	\$ 3.9663	\$ 5.5062	\$ 2.9135	\$ 4.1958	\$ 5.8566	\$ 2.7539	\$ 4.0119	\$ 5.1265
157	\$ 2.8778	\$ 3.7993	\$ 5.0868	\$ 3.0235	\$ 3.7864	\$ 4.5594	\$ 3.0777	\$ 4.1360	\$ 5.8316
158	\$ 2.9542	\$ 3.9651	\$ 4.5812	\$ 2.7765	\$ 3.9337	\$ 5.1042	\$ 3.5225	\$ 4.7514	\$ 6.2889
159	\$ 3.4245	\$ 3.9876	\$ 5.9744	\$ 3.3158	\$ 4.2632	\$ 5.5118	\$ 2.9180	\$ 3.9519	\$ 5.0705
160	\$ 3.0055	\$ 4.0615	\$ 5.1513	\$ 2.9737	\$ 4.2706	\$ 5.4601	\$ 3.0607	\$ 4.2414	\$ 6.2116
161	\$ 3.2638	\$ 4.0741	\$ 4.8057	\$ 3.1839	\$ 4.4247	\$ 5.4490	\$ 2.9630	\$ 4.3799	\$ 6.3349
162	\$ 3.4345	\$ 4.0432	\$ 4.5376	\$ 3.1143	\$ 3.6798	\$ 5.1421	\$ 3.4685	\$ 4.5305	\$ 6.3086
163	\$ 3.5381	\$ 4.0340	\$ 4.7210	\$ 3.0243	\$ 3.7395	\$ 4.9267	\$ 2.6662	\$ 4.0560	\$ 6.0398
164	\$ 3.4122	\$ 4.1409	\$ 5.4781	\$ 2.8987	\$ 4.1411	\$ 5.2091	\$ 2.7539	\$ 3.7925	\$ 4.9418
165	\$ 3.2552	\$ 4.2739	\$ 5.4809	\$ 3.0769	\$ 4.1436	\$ 5.0039	\$ 2.9383	\$ 4.0690	\$ 5.2498
166	\$ 3.1217	\$ 3.8507	\$ 5.3937	\$ 3.0824	\$ 3.9968	\$ 4.7895	\$ 2.9038	\$ 4.3421	\$ 6.2563
167	\$ 3.2095	\$ 4.0587	\$ 5.5755	\$ 2.8632	\$ 3.9816	\$ 5.2279	\$ 2.7539	\$ 4.2061	\$ 6.2562
168	\$ 3.2541	\$ 4.1855	\$ 5.6257	\$ 3.0629	\$ 3.9535	\$ 5.0150	\$ 2.7570	\$ 3.9943	\$ 5.4547
169	\$ 3.1936	\$ 3.9674	\$ 4.9198	\$ 3.2873	\$ 4.1159	\$ 5.9059	\$ 3.3157	\$ 4.2583	\$ 5.2988
170	\$ 3.0349	\$ 4.1846	\$ 5.9744	\$ 3.4681	\$ 4.4494	\$ 5.9383	\$ 3.0668	\$ 3.8442	\$ 4.8177
171	\$ 3.2069	\$ 3.9785	\$ 4.9232	\$ 2.7765	\$ 4.1915	\$ 5.8038	\$ 2.9215	\$ 4.1968	\$ 5.3378
172	\$ 2.8778	\$ 3.8430	\$ 5.1460	\$ 3.1686	\$ 4.0398	\$ 5.0376	\$ 2.7570	\$ 3.8698	\$ 5.1706
173	\$ 3.3016	\$ 4.2898	\$ 5.1178	\$ 2.9901	\$ 3.9394	\$ 4.9802	\$ 2.8797	\$ 3.5704	\$ 5.2120
174	\$ 3.0631	\$ 3.7186	\$ 4.3345	\$ 2.9841	\$ 4.0670	\$ 4.9240	\$ 2.7443	\$ 4.5517	\$ 6.2889
175	\$ 2.9542	\$ 4.0364	\$ 5.0117	\$ 3.2437	\$ 4.3051	\$ 4.9959	\$ 3.0275	\$ 3.8445	\$ 4.9244
176	\$ 3.0449	\$ 3.7671	\$ 5.2631	\$ 3.1562	\$ 4.0035	\$ 4.6250	\$ 2.9783	\$ 4.2029	\$ 5.3521
177	\$ 3.2719	\$ 4.2817	\$ 4.9076	\$ 3.0486	\$ 4.0070	\$ 5.5411	\$ 2.8137	\$ 3.9411	\$ 5.6469
178	\$ 3.0449	\$ 4.0458	\$ 4.6998	\$ 3.1813	\$ 4.3572	\$ 5.9043	\$ 2.9783	\$ 4.2246	\$ 6.2675
179	\$ 3.4927	\$ 4.1797	\$ 4.8934	\$ 3.1733	\$ 3.8421	\$ 5.2365	\$ 3.0628	\$ 4.0735	\$ 5.4484
180	\$ 3.3115	\$ 4.5624	\$ 5.3963	\$ 2.9346	\$ 4.1647	\$ 5.9520	\$ 3.1113	\$ 4.2735	\$ 5.9266
181	\$ 3.0349	\$ 4.2502	\$ 5.7650	\$ 2.8630	\$ 3.7834	\$ 5.0020	\$ 3.4734	\$ 4.2775	\$ 6.3086
182	\$ 3.4244	\$ 3.9794	\$ 4.5406	\$ 3.2594	\$ 4.4516	\$ 5.3406	\$ 2.9987	\$ 3.8672	\$ 5.3336
183	\$ 3.6285	\$ 4.2472	\$ 5.4872	\$ 3.2122	\$ 3.8037	\$ 4.7892	\$ 3.5451	\$ 4.8337	\$ 6.2187
184	\$ 2.8778	\$ 4.0956	\$ 5.1668	\$ 3.1783	\$ 4.3414	\$ 5.8420	\$ 2.7909	\$ 4.6433	\$ 6.2889
185	\$ 3.1834	\$ 3.8713	\$ 4.5514	\$ 3.0243	\$ 4.3162	\$ 5.1964	\$ 2.7913	\$ 4.3773	\$ 5.8961
186	\$ 3.1656	\$ 3.8809	\$ 4.9936	\$ 2.7765	\$ 4.1084	\$ 5.0707	\$ 3.1713	\$ 4.4313	\$ 5.7477
187	\$ 3.2126	\$ 4.3200	\$ 5.4598	\$ 3.2398	\$ 4.5713	\$ 5.5828	\$ 2.9791	\$ 4.0223	\$ 4.8810
188	\$ 3.0449	\$ 4.0139	\$ 5.1452	\$ 3.1687	\$ 4.2768	\$ 5.4431	\$ 2.9038	\$ 4.4056	\$ 6.2381
189	\$ 3.6454	\$ 4.1642	\$ 5.3863	\$ 2.8731	\$ 3.9626	\$ 5.9292	\$ 3.1312	\$ 3.9171	\$ 4.9516
190	\$ 2.8778	\$ 3.8993	\$ 5.4598	\$ 3.2288	\$ 4.1730	\$ 5.2531	\$ 2.8137	\$ 4.3333	\$ 5.8398
191	\$ 3.0349	\$ 3.9570	\$ 4.8195	\$ 3.5033	\$ 4.1051	\$ 5.4437	\$ 2.8814	\$ 3.7769	\$ 4.7228
192	\$ 3.8030	\$ 4.2468	\$ 4.8597	\$ 3.4137	\$ 4.3201	\$ 5.8420	\$ 3.3525	\$ 4.2705	\$ 5.6001
193	\$ 2.9334	\$ 4.0219	\$ 5.1457	\$ 2.9090	\$ 4.0853	\$ 4.9481	\$ 3.0470	\$ 4.0669	\$ 5.6018
194	\$ 2.8778	\$ 4.0077	\$ 5.1441	\$ 3.4851	\$ 4.0166	\$ 5.0185	\$ 2.9783	\$ 4.2702	\$ 5.3535
195	\$ 2.9827	\$ 3.9797	\$ 4.7636	\$ 2.9901	\$ 4.1082	\$ 5.0031	\$ 3.1792	\$ 4.5450	\$ 6.3150
196	\$ 3.0626	\$ 3.7129	\$ 4.6821	\$ 3.4293	\$ 4.3433	\$ 5.5867	\$ 3.2162	\$ 4.7966	\$ 6.3500
197	\$ 2.9542	\$ 3.7613	\$ 5.1792	\$ 2.8632	\$ 3.7798	\$ 5.9292	\$ 2.9180	\$ 3.7997	\$ 4.3560
198	\$ 3.0055	\$ 3.7050	\$ 5.4843	\$ 2.9090	\$ 3.7996	\$ 4.7283	\$ 2.7443	\$ 4.0183	\$ 5.1522
199	\$ 3.3243	\$ 4.3728	\$ 5.7430	\$ 2.7765	\$ 4.0437	\$ 4.9988	\$ 2.8173	\$ 4.0096	\$ 5.6656
200	\$ 3.2727	\$ 4.2657	\$ 5.6665	\$ 2.9877	\$ 3.7473	\$ 4.5784	\$ 2.8173	\$ 4.1208	\$ 5.3566
Min	\$ 2.8778	\$ 3.6123	\$ 3.9838	\$ 2.7765	\$ 3.6424	\$ 4.2293	\$ 2.6662	\$ 3.5704	\$ 4.3560
Average	\$ 3.1639	\$ 4.0070	\$ 5.1010	\$ 3.0918	\$ 4.1024	\$ 5.3656	\$ 2.9873	\$ 4.1574	\$ 5.6374
Max	\$ 3.8030	\$ 4.5624	\$ 5.9744	\$ 3.8345	\$ 4.5713	\$ 6.2614	\$ 3.7705	\$ 5.0129	\$ 6.6523

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2023			2024			2025		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 2.6411	\$ 3.9959	\$ 5.0455	\$ 2.7187	\$ 3.9792	\$ 6.5546	\$ 3.3514	\$ 4.5986	\$ 6.0575
2	\$ 2.8187	\$ 3.9367	\$ 4.9865	\$ 3.3246	\$ 4.2845	\$ 7.1671	\$ 3.3206	\$ 4.9895	\$ 6.7914
3	\$ 3.4416	\$ 4.7199	\$ 5.7300	\$ 2.8772	\$ 4.1876	\$ 7.2237	\$ 2.5655	\$ 4.2715	\$ 5.7234
4	\$ 2.9666	\$ 4.5908	\$ 5.7936	\$ 2.8209	\$ 4.4256	\$ 6.2870	\$ 2.6615	\$ 3.8750	\$ 4.9700
5	\$ 2.6411	\$ 4.1479	\$ 5.6744	\$ 3.3320	\$ 4.8047	\$ 7.5407	\$ 2.9317	\$ 4.9369	\$ 7.6904
6	\$ 3.4252	\$ 4.6368	\$ 6.8003	\$ 3.2476	\$ 4.5496	\$ 6.2781	\$ 2.8477	\$ 3.7282	\$ 4.2923
7	\$ 2.9495	\$ 4.0536	\$ 5.4340	\$ 3.0625	\$ 4.5040	\$ 6.4205	\$ 3.1153	\$ 4.6504	\$ 6.4297
8	\$ 3.1162	\$ 3.9347	\$ 5.5817	\$ 3.2284	\$ 4.9557	\$ 6.1491	\$ 3.4100	\$ 4.3167	\$ 5.8050
9	\$ 3.1163	\$ 4.3308	\$ 5.7779	\$ 2.8860	\$ 4.8017	\$ 6.4429	\$ 2.8995	\$ 4.7164	\$ 6.8136
10	\$ 2.8709	\$ 4.2189	\$ 6.1525	\$ 2.9178	\$ 4.5606	\$ 7.2237	\$ 3.2103	\$ 4.6078	\$ 6.4832
11	\$ 2.7640	\$ 4.4639	\$ 6.6434	\$ 2.9611	\$ 4.2525	\$ 6.0428	\$ 2.5655	\$ 4.4054	\$ 6.5183
12	\$ 2.7541	\$ 4.3923	\$ 6.6126	\$ 3.1797	\$ 4.5381	\$ 6.8460	\$ 3.2931	\$ 4.8539	\$ 6.3117
13	\$ 3.2581	\$ 4.5780	\$ 6.2546	\$ 3.4905	\$ 4.8776	\$ 6.9945	\$ 3.3637	\$ 5.2149	\$ 7.6136
14	\$ 2.9615	\$ 4.5528	\$ 5.4643	\$ 3.3191	\$ 4.3051	\$ 6.1860	\$ 2.9206	\$ 4.6332	\$ 6.5655
15	\$ 3.3668	\$ 4.3188	\$ 6.7467	\$ 2.7323	\$ 4.5967	\$ 6.8715	\$ 2.9226	\$ 5.4338	\$ 7.7521
16	\$ 3.0844	\$ 4.2852	\$ 6.1612	\$ 3.6773	\$ 4.9692	\$ 7.0157	\$ 2.8789	\$ 4.2027	\$ 6.6485
17	\$ 3.0847	\$ 4.2156	\$ 5.9553	\$ 3.2143	\$ 4.5291	\$ 6.3088	\$ 3.2694	\$ 4.7910	\$ 6.9082
18	\$ 2.6818	\$ 4.3226	\$ 5.7211	\$ 2.7325	\$ 4.2533	\$ 6.7436	\$ 2.5655	\$ 4.3306	\$ 6.4242
19	\$ 3.3599	\$ 4.5462	\$ 6.7877	\$ 2.6941	\$ 4.1687	\$ 6.2052	\$ 2.6324	\$ 4.8052	\$ 7.6346
20	\$ 3.1798	\$ 4.1701	\$ 5.9566	\$ 2.8504	\$ 4.7879	\$ 7.2237	\$ 3.3262	\$ 4.6946	\$ 6.4008
21	\$ 2.7541	\$ 4.0660	\$ 6.0078	\$ 2.9552	\$ 4.6212	\$ 6.7599	\$ 2.7058	\$ 4.4239	\$ 7.4955
22	\$ 2.8708	\$ 4.0658	\$ 5.2970	\$ 3.1786	\$ 4.3958	\$ 6.5837	\$ 3.3415	\$ 4.7315	\$ 6.7600
23	\$ 3.4050	\$ 4.9747	\$ 6.8003	\$ 2.6941	\$ 5.0128	\$ 7.5467	\$ 2.6615	\$ 4.2220	\$ 6.0628
24	\$ 2.7040	\$ 4.7897	\$ 6.8003	\$ 2.7752	\$ 4.2043	\$ 6.0060	\$ 3.3462	\$ 5.1168	\$ 7.1022
25	\$ 2.7616	\$ 4.1371	\$ 6.2961	\$ 3.4110	\$ 4.5243	\$ 5.6086	\$ 2.8021	\$ 4.5116	\$ 7.5974
26	\$ 3.1161	\$ 4.0378	\$ 5.7169	\$ 2.7670	\$ 4.1985	\$ 5.3805	\$ 2.8318	\$ 4.7542	\$ 7.3677
27	\$ 2.9495	\$ 4.2368	\$ 6.2335	\$ 2.9386	\$ 4.8520	\$ 7.1670	\$ 2.8328	\$ 4.2219	\$ 6.1082
28	\$ 2.6818	\$ 4.1581	\$ 6.4143	\$ 3.4818	\$ 4.2606	\$ 5.4353	\$ 3.2729	\$ 4.5156	\$ 6.1587
29	\$ 3.0800	\$ 4.0997	\$ 5.1538	\$ 3.0291	\$ 4.6511	\$ 7.1612	\$ 2.8021	\$ 4.3959	\$ 6.1192
30	\$ 2.7785	\$ 4.2062	\$ 6.3625	\$ 3.5619	\$ 4.5389	\$ 5.3681	\$ 3.0934	\$ 4.4325	\$ 6.6316
31	\$ 2.7541	\$ 4.4256	\$ 6.4976	\$ 3.6141	\$ 4.9059	\$ 7.2831	\$ 2.6324	\$ 4.4992	\$ 6.3197
32	\$ 2.7479	\$ 4.6227	\$ 6.0634	\$ 3.2807	\$ 4.2017	\$ 5.1038	\$ 2.8328	\$ 4.2439	\$ 6.2756
33	\$ 3.2490	\$ 3.9534	\$ 5.4084	\$ 3.4122	\$ 4.5367	\$ 5.9340	\$ 2.8872	\$ 4.2191	\$ 5.5225
34	\$ 3.0961	\$ 4.4247	\$ 5.8138	\$ 3.1776	\$ 4.0762	\$ 4.9398	\$ 2.7951	\$ 4.5262	\$ 6.3828
35	\$ 3.1496	\$ 4.1989	\$ 5.3611	\$ 3.4128	\$ 4.4436	\$ 6.1407	\$ 3.3485	\$ 5.4718	\$ 7.6993
36	\$ 3.4060	\$ 4.1110	\$ 5.1412	\$ 2.8529	\$ 4.4751	\$ 6.1669	\$ 3.0009	\$ 4.2988	\$ 5.8304
37	\$ 2.6411	\$ 4.0908	\$ 6.2435	\$ 2.6348	\$ 3.8754	\$ 6.1821	\$ 2.6615	\$ 4.6126	\$ 6.1207
38	\$ 2.6411	\$ 3.9118	\$ 5.4909	\$ 3.4513	\$ 4.7184	\$ 6.4319	\$ 2.9226	\$ 4.1510	\$ 6.4782
39	\$ 3.2222	\$ 4.1301	\$ 4.9394	\$ 3.1394	\$ 4.3104	\$ 5.5707	\$ 3.1963	\$ 5.1985	\$ 7.6346
40	\$ 2.8350	\$ 4.2866	\$ 5.6404	\$ 3.4012	\$ 4.4499	\$ 6.9547	\$ 2.9779	\$ 4.5549	\$ 7.4621
41	\$ 2.9373	\$ 4.4727	\$ 5.7798	\$ 3.0585	\$ 4.8494	\$ 6.9314	\$ 3.3115	\$ 4.7286	\$ 7.6136
42	\$ 3.2328	\$ 4.6011	\$ 6.6796	\$ 3.1462	\$ 4.7232	\$ 6.3441	\$ 3.0360	\$ 4.5416	\$ 6.4415
43	\$ 3.6052	\$ 4.5850	\$ 5.5844	\$ 2.7691	\$ 4.6649	\$ 7.0705	\$ 2.7951	\$ 4.6084	\$ 7.0157
44	\$ 2.8709	\$ 3.9918	\$ 5.5304	\$ 2.7425	\$ 4.1336	\$ 6.8692	\$ 2.8021	\$ 4.0036	\$ 5.3886
45	\$ 2.9495	\$ 4.4908	\$ 5.4439	\$ 2.9123	\$ 4.8447	\$ 7.1671	\$ 2.6360	\$ 5.0590	\$ 7.7856
46	\$ 2.6818	\$ 4.1404	\$ 6.2738	\$ 2.6348	\$ 3.4688	\$ 5.9993	\$ 2.5972	\$ 4.4507	\$ 6.0343
47	\$ 2.9495	\$ 4.1592	\$ 6.2656	\$ 2.7057	\$ 4.4926	\$ 6.1411	\$ 2.6324	\$ 4.1531	\$ 5.5681
48	\$ 3.2792	\$ 4.7941	\$ 6.7044	\$ 2.7187	\$ 4.6052	\$ 6.1118	\$ 2.8039	\$ 4.5977	\$ 6.2172
49	\$ 3.1876	\$ 4.3447	\$ 6.5399	\$ 2.7022	\$ 4.3388	\$ 5.7763	\$ 2.6324	\$ 4.2371	\$ 7.1680
50	\$ 3.3531	\$ 4.3101	\$ 5.6759	\$ 2.7022	\$ 4.3036	\$ 7.1673	\$ 2.8328	\$ 4.4201	\$ 7.3084

Draw	2023			2024			2025		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 2.7927	\$ 4.0421	\$ 5.2789	\$ 3.1066	\$ 4.4276	\$ 5.9547	\$ 2.8021	\$ 4.4830	\$ 7.3999
52	\$ 3.5160	\$ 4.6279	\$ 6.2661	\$ 3.0513	\$ 4.6430	\$ 7.0185	\$ 2.8328	\$ 4.6629	\$ 6.8068
53	\$ 3.6699	\$ 5.0656	\$ 6.6937	\$ 3.4362	\$ 4.5946	\$ 7.5467	\$ 2.7605	\$ 4.2998	\$ 6.3666
54	\$ 2.7040	\$ 4.1959	\$ 5.3010	\$ 2.7187	\$ 4.2515	\$ 5.9131	\$ 3.2040	\$ 4.7024	\$ 7.0531
55	\$ 3.0935	\$ 4.3893	\$ 6.0654	\$ 3.1218	\$ 4.5798	\$ 6.7258	\$ 3.4025	\$ 4.7218	\$ 7.6136
56	\$ 2.9453	\$ 3.9973	\$ 5.9811	\$ 2.8529	\$ 4.2086	\$ 6.9101	\$ 3.3251	\$ 5.3478	\$ 7.5996
57	\$ 2.9191	\$ 4.4625	\$ 5.9504	\$ 2.9611	\$ 4.5135	\$ 5.8320	\$ 3.2451	\$ 4.7824	\$ 6.6048
58	\$ 2.7216	\$ 4.4375	\$ 6.7008	\$ 2.8959	\$ 4.7904	\$ 7.2831	\$ 3.0899	\$ 4.4008	\$ 6.7856
59	\$ 3.1678	\$ 4.2179	\$ 5.6738	\$ 3.0811	\$ 4.3057	\$ 5.1807	\$ 2.7274	\$ 4.8647	\$ 6.9096
60	\$ 3.0356	\$ 3.9606	\$ 6.3733	\$ 2.8860	\$ 4.4176	\$ 6.1630	\$ 3.6338	\$ 4.8051	\$ 7.4764
61	\$ 3.4103	\$ 4.3298	\$ 5.4540	\$ 3.3982	\$ 4.9369	\$ 6.9775	\$ 3.4958	\$ 4.8602	\$ 7.4397
62	\$ 2.8147	\$ 4.5017	\$ 5.8110	\$ 2.6941	\$ 3.8816	\$ 5.1046	\$ 2.8021	\$ 5.0243	\$ 7.6429
63	\$ 2.9054	\$ 4.0794	\$ 5.8645	\$ 2.9264	\$ 4.7031	\$ 7.2831	\$ 2.5655	\$ 4.6918	\$ 7.0151
64	\$ 2.7054	\$ 4.0975	\$ 5.5756	\$ 2.7187	\$ 4.2282	\$ 6.7508	\$ 2.8872	\$ 4.0947	\$ 6.7773
65	\$ 2.9829	\$ 4.6334	\$ 6.7008	\$ 2.8811	\$ 4.7373	\$ 6.3055	\$ 2.8328	\$ 4.1982	\$ 7.5752
66	\$ 2.8540	\$ 4.1495	\$ 5.3056	\$ 2.8870	\$ 4.5128	\$ 6.9217	\$ 2.9267	\$ 4.4070	\$ 6.3427
67	\$ 2.8971	\$ 3.9230	\$ 6.0360	\$ 3.5236	\$ 4.5730	\$ 6.0882	\$ 2.8872	\$ 4.7674	\$ 6.7378
68	\$ 3.0009	\$ 4.0593	\$ 6.1143	\$ 3.2529	\$ 4.5480	\$ 6.5746	\$ 3.8104	\$ 5.1155	\$ 7.4143
69	\$ 2.9054	\$ 4.3183	\$ 6.7114	\$ 2.6941	\$ 4.4437	\$ 6.0285	\$ 2.9186	\$ 4.3978	\$ 6.2546
70	\$ 2.7700	\$ 4.4861	\$ 6.5399	\$ 3.3156	\$ 4.8848	\$ 7.2237	\$ 3.2625	\$ 4.4932	\$ 5.4424
71	\$ 2.8797	\$ 4.4165	\$ 6.7114	\$ 2.8616	\$ 4.7553	\$ 6.3630	\$ 2.6491	\$ 4.0791	\$ 5.7365
72	\$ 3.5595	\$ 4.6214	\$ 6.4444	\$ 3.1476	\$ 4.4403	\$ 5.6448	\$ 3.0407	\$ 4.9210	\$ 6.4883
73	\$ 2.9066	\$ 4.8999	\$ 6.6793	\$ 3.1079	\$ 4.6857	\$ 7.2555	\$ 2.9226	\$ 4.7358	\$ 6.4449
74	\$ 3.2880	\$ 4.3950	\$ 6.1912	\$ 3.0656	\$ 4.6224	\$ 7.2122	\$ 3.1047	\$ 4.7283	\$ 7.4217
75	\$ 3.2352	\$ 4.7628	\$ 6.3154	\$ 3.4822	\$ 4.5540	\$ 6.3756	\$ 2.6491	\$ 4.3893	\$ 6.7628
76	\$ 3.1829	\$ 4.5459	\$ 6.7877	\$ 2.7576	\$ 4.4505	\$ 6.3036	\$ 3.7525	\$ 5.1284	\$ 6.9593
77	\$ 3.3501	\$ 4.3563	\$ 5.6572	\$ 2.7950	\$ 4.8490	\$ 6.5303	\$ 3.2010	\$ 4.4460	\$ 6.1646
78	\$ 3.0260	\$ 4.0372	\$ 5.5413	\$ 2.8045	\$ 4.7301	\$ 7.2555	\$ 2.6282	\$ 4.0305	\$ 5.3680
79	\$ 3.3569	\$ 4.1441	\$ 5.6020	\$ 2.7241	\$ 4.0916	\$ 5.6725	\$ 2.8328	\$ 4.4502	\$ 6.8656
80	\$ 2.8704	\$ 3.8796	\$ 5.8602	\$ 2.8616	\$ 4.5527	\$ 6.9869	\$ 3.1549	\$ 4.9846	\$ 6.1837
81	\$ 2.7216	\$ 4.2599	\$ 5.6951	\$ 2.9611	\$ 4.0483	\$ 5.4935	\$ 2.7790	\$ 4.7691	\$ 7.4749
82	\$ 2.7479	\$ 3.8776	\$ 5.4918	\$ 2.7022	\$ 4.3274	\$ 5.5755	\$ 2.8318	\$ 4.0414	\$ 4.9376
83	\$ 2.7040	\$ 4.1785	\$ 5.8203	\$ 3.3716	\$ 4.5496	\$ 6.2929	\$ 2.6324	\$ 4.0459	\$ 6.0987
84	\$ 2.9658	\$ 4.0937	\$ 6.6796	\$ 3.2093	\$ 4.0271	\$ 4.9929	\$ 2.6282	\$ 4.7705	\$ 6.6493
85	\$ 2.6818	\$ 3.9682	\$ 6.4491	\$ 2.8138	\$ 4.4766	\$ 7.1037	\$ 2.6615	\$ 4.2446	\$ 6.5141
86	\$ 3.3651	\$ 4.6245	\$ 6.7817	\$ 2.7323	\$ 4.6092	\$ 6.7075	\$ 2.5655	\$ 4.4653	\$ 7.6346
87	\$ 2.9088	\$ 3.9763	\$ 5.3381	\$ 2.8940	\$ 4.5104	\$ 7.2122	\$ 2.8328	\$ 4.2689	\$ 5.8574
88	\$ 3.3068	\$ 4.5237	\$ 6.4803	\$ 2.9450	\$ 4.2187	\$ 6.8491	\$ 3.1915	\$ 4.8420	\$ 7.5974
89	\$ 2.9698	\$ 4.4634	\$ 7.0856	\$ 2.9834	\$ 4.4106	\$ 6.4104	\$ 2.7265	\$ 4.3174	\$ 7.6904
90	\$ 3.0663	\$ 4.5147	\$ 6.0299	\$ 2.9013	\$ 4.2612	\$ 6.6899	\$ 2.5655	\$ 4.0150	\$ 5.6361
91	\$ 3.4135	\$ 4.6387	\$ 6.7080	\$ 2.9821	\$ 4.8391	\$ 5.9276	\$ 3.2952	\$ 4.8202	\$ 6.7635
92	\$ 3.4633	\$ 4.4647	\$ 5.5471	\$ 3.0444	\$ 4.4867	\$ 5.9357	\$ 4.0818	\$ 4.9976	\$ 5.5561
93	\$ 2.7184	\$ 4.1499	\$ 5.9655	\$ 2.7022	\$ 3.8179	\$ 4.8821	\$ 2.5655	\$ 4.1097	\$ 6.6115
94	\$ 2.9793	\$ 3.7187	\$ 4.7234	\$ 2.6348	\$ 4.4422	\$ 6.5745	\$ 3.8583	\$ 5.5806	\$ 7.1320
95	\$ 3.1295	\$ 4.6074	\$ 6.2944	\$ 3.0570	\$ 5.1249	\$ 7.2237	\$ 2.8872	\$ 4.0324	\$ 5.5809
96	\$ 3.2065	\$ 4.1654	\$ 6.3488	\$ 2.7022	\$ 4.5170	\$ 6.3221	\$ 3.4176	\$ 4.4845	\$ 6.2348
97	\$ 3.6498	\$ 5.0002	\$ 6.2784	\$ 2.7022	\$ 4.5935	\$ 6.1199	\$ 3.2184	\$ 4.7996	\$ 6.6567
98	\$ 2.9495	\$ 4.0463	\$ 5.4703	\$ 3.4092	\$ 4.6331	\$ 6.2857	\$ 2.8834	\$ 4.3341	\$ 6.4807
99	\$ 2.9876	\$ 4.0297	\$ 5.3015	\$ 2.6348	\$ 4.1004	\$ 6.5376	\$ 2.6282	\$ 4.9491	\$ 7.4009
100	\$ 2.8704	\$ 4.4967	\$ 6.0446	\$ 3.3387	\$ 4.7843	\$ 7.1857	\$ 3.2199	\$ 4.8218	\$ 7.5752

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2023			2024			2025		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 3.1458	\$ 4.1545	\$ 6.1448	\$ 3.0556	\$ 4.4591	\$ 5.6209	\$ 2.5655	\$ 4.1498	\$ 7.6904
102	\$ 2.6818	\$ 4.1538	\$ 5.4825	\$ 2.6941	\$ 3.7629	\$ 6.1848	\$ 2.9839	\$ 4.7996	\$ 6.4248
103	\$ 3.0105	\$ 3.9850	\$ 5.5486	\$ 2.7187	\$ 4.7089	\$ 6.5379	\$ 2.9637	\$ 4.9460	\$ 6.5649
104	\$ 2.7541	\$ 4.2672	\$ 6.7044	\$ 2.7691	\$ 4.2149	\$ 5.8099	\$ 2.8318	\$ 4.2524	\$ 5.5481
105	\$ 2.6818	\$ 4.0815	\$ 6.1260	\$ 2.9283	\$ 4.4139	\$ 6.5029	\$ 2.7951	\$ 4.2009	\$ 6.5982
106	\$ 2.8192	\$ 4.2283	\$ 6.0648	\$ 2.6941	\$ 4.2327	\$ 5.8195	\$ 2.6324	\$ 4.4340	\$ 6.9431
107	\$ 3.3209	\$ 4.9197	\$ 6.8003	\$ 2.8037	\$ 4.2738	\$ 6.5838	\$ 3.4440	\$ 4.8179	\$ 6.9151
108	\$ 2.7650	\$ 3.7347	\$ 5.5941	\$ 3.0743	\$ 4.7280	\$ 7.2555	\$ 2.6925	\$ 4.7644	\$ 6.8029
109	\$ 3.0156	\$ 4.1315	\$ 5.4512	\$ 3.1515	\$ 4.0312	\$ 4.8696	\$ 2.7458	\$ 4.4576	\$ 7.7521
110	\$ 2.9793	\$ 4.2795	\$ 6.0529	\$ 3.4847	\$ 4.6380	\$ 7.1003	\$ 2.9384	\$ 4.7268	\$ 7.3794
111	\$ 2.7216	\$ 4.6622	\$ 6.6517	\$ 3.4115	\$ 4.5648	\$ 6.0587	\$ 2.8111	\$ 4.4313	\$ 6.1755
112	\$ 2.6570	\$ 3.9968	\$ 6.2267	\$ 2.8600	\$ 4.3301	\$ 6.3501	\$ 3.0503	\$ 4.4593	\$ 5.8920
113	\$ 2.9248	\$ 4.3109	\$ 5.9101	\$ 3.2691	\$ 4.8777	\$ 7.5467	\$ 3.3544	\$ 4.2810	\$ 4.9987
114	\$ 2.9897	\$ 4.5891	\$ 6.4381	\$ 2.8616	\$ 4.3291	\$ 7.0481	\$ 3.7310	\$ 4.8046	\$ 5.8037
115	\$ 2.7216	\$ 4.5770	\$ 6.5152	\$ 3.3172	\$ 4.4117	\$ 7.1671	\$ 3.1520	\$ 4.5280	\$ 5.9747
116	\$ 3.3840	\$ 4.1743	\$ 6.3605	\$ 3.0647	\$ 4.5428	\$ 6.4245	\$ 3.1040	\$ 4.3882	\$ 6.7301
117	\$ 3.1331	\$ 4.1657	\$ 6.7114	\$ 2.8529	\$ 4.0931	\$ 5.5826	\$ 2.8012	\$ 4.4512	\$ 7.6993
118	\$ 2.7541	\$ 4.1561	\$ 7.0856	\$ 2.7323	\$ 4.2144	\$ 5.8677	\$ 3.2897	\$ 4.4326	\$ 6.1047
119	\$ 2.7040	\$ 4.3975	\$ 6.3991	\$ 2.9368	\$ 4.3574	\$ 5.6546	\$ 2.6282	\$ 5.1767	\$ 7.5752
120	\$ 2.9525	\$ 4.2527	\$ 5.7489	\$ 3.5241	\$ 4.7645	\$ 7.0284	\$ 2.8021	\$ 4.6803	\$ 7.5994
121	\$ 2.8678	\$ 4.1900	\$ 5.3283	\$ 3.5284	\$ 4.8652	\$ 7.0157	\$ 3.1204	\$ 4.7694	\$ 6.3413
122	\$ 2.9848	\$ 4.4348	\$ 5.5243	\$ 2.7691	\$ 4.1961	\$ 5.3956	\$ 2.8546	\$ 3.7592	\$ 4.7232
123	\$ 2.9259	\$ 4.5205	\$ 5.7565	\$ 2.7022	\$ 4.4147	\$ 7.2831	\$ 3.0870	\$ 4.7707	\$ 7.6085
124	\$ 2.9550	\$ 4.2883	\$ 5.8417	\$ 3.2981	\$ 4.2737	\$ 6.6895	\$ 3.1780	\$ 4.6583	\$ 7.4553
125	\$ 2.7459	\$ 4.1118	\$ 6.1576	\$ 2.6941	\$ 4.4608	\$ 6.0250	\$ 2.6879	\$ 4.3945	\$ 7.1048
126	\$ 2.8709	\$ 3.9175	\$ 4.8726	\$ 2.7323	\$ 4.6809	\$ 7.5467	\$ 2.6324	\$ 4.2394	\$ 5.3178
127	\$ 2.6411	\$ 4.2708	\$ 6.0517	\$ 3.2017	\$ 4.7520	\$ 6.2511	\$ 2.7951	\$ 4.8271	\$ 7.6346
128	\$ 2.6411	\$ 4.1421	\$ 6.1885	\$ 3.2778	\$ 4.5055	\$ 6.0528	\$ 2.9760	\$ 4.6131	\$ 6.4168
129	\$ 3.3252	\$ 4.2620	\$ 5.4690	\$ 2.8529	\$ 4.0740	\$ 5.3415	\$ 3.1529	\$ 4.8349	\$ 6.5684
130	\$ 2.9353	\$ 4.4002	\$ 5.7206	\$ 3.0175	\$ 4.3780	\$ 6.8931	\$ 2.6615	\$ 4.2360	\$ 5.3945
131	\$ 2.7479	\$ 4.1617	\$ 5.2486	\$ 2.7187	\$ 4.7283	\$ 6.6161	\$ 2.6282	\$ 4.5233	\$ 6.0883
132	\$ 2.6411	\$ 3.9129	\$ 6.1977	\$ 2.9611	\$ 4.2992	\$ 5.7236	\$ 3.2876	\$ 4.6482	\$ 7.1094
133	\$ 2.6818	\$ 4.1139	\$ 5.6122	\$ 2.6348	\$ 4.4575	\$ 7.0157	\$ 2.8538	\$ 4.2575	\$ 5.8072
134	\$ 3.4581	\$ 4.4398	\$ 5.5424	\$ 2.7187	\$ 4.7993	\$ 7.1879	\$ 3.3572	\$ 4.9185	\$ 6.9077
135	\$ 3.2701	\$ 4.5326	\$ 6.7114	\$ 2.9734	\$ 4.7710	\$ 7.1857	\$ 2.9017	\$ 4.8789	\$ 6.8515
136	\$ 3.3140	\$ 4.9024	\$ 7.0856	\$ 2.7691	\$ 4.3437	\$ 6.3150	\$ 2.9210	\$ 4.4738	\$ 6.5690
137	\$ 3.1948	\$ 4.4223	\$ 6.7008	\$ 2.7883	\$ 4.7103	\$ 7.2831	\$ 2.8839	\$ 4.3856	\$ 6.7530
138	\$ 2.7479	\$ 3.9822	\$ 5.0206	\$ 2.9796	\$ 4.1196	\$ 6.1986	\$ 3.3937	\$ 4.3723	\$ 6.9469
139	\$ 2.9380	\$ 4.1022	\$ 5.9123	\$ 2.7187	\$ 4.2002	\$ 6.6067	\$ 3.2676	\$ 5.0258	\$ 7.4601
140	\$ 2.9054	\$ 4.1493	\$ 6.4701	\$ 2.9572	\$ 4.7049	\$ 6.5584	\$ 2.8093	\$ 4.7454	\$ 6.4522
141	\$ 2.7216	\$ 3.9609	\$ 5.8539	\$ 3.1347	\$ 4.3057	\$ 5.3252	\$ 3.4993	\$ 4.8983	\$ 6.7019
142	\$ 2.9995	\$ 3.8865	\$ 5.2958	\$ 2.9880	\$ 4.7620	\$ 6.8036	\$ 2.8156	\$ 4.3332	\$ 5.6240
143	\$ 2.8260	\$ 4.7812	\$ 6.6071	\$ 2.9264	\$ 4.3328	\$ 5.9177	\$ 3.0846	\$ 4.9573	\$ 7.5752
144	\$ 3.0029	\$ 4.3271	\$ 5.8815	\$ 3.2009	\$ 4.6165	\$ 7.0791	\$ 3.1596	\$ 5.0692	\$ 6.7627
145	\$ 2.7177	\$ 4.1697	\$ 6.3657	\$ 2.8529	\$ 4.7008	\$ 7.0157	\$ 3.1047	\$ 4.5719	\$ 7.6136
146	\$ 2.7479	\$ 4.0312	\$ 5.1269	\$ 2.7185	\$ 4.4449	\$ 6.4596	\$ 2.8785	\$ 4.3894	\$ 6.0896
147	\$ 3.1460	\$ 4.0323	\$ 5.5644	\$ 2.8529	\$ 4.1991	\$ 5.4183	\$ 3.5605	\$ 5.1914	\$ 7.4126
148	\$ 3.0551	\$ 3.9884	\$ 5.4658	\$ 3.2423	\$ 4.6020	\$ 6.9123	\$ 3.1363	\$ 4.1150	\$ 6.3445
149	\$ 2.8209	\$ 3.9667	\$ 7.0856	\$ 3.1275	\$ 4.6337	\$ 7.1612	\$ 2.9990	\$ 4.1384	\$ 5.1964
150	\$ 2.9064	\$ 4.5006	\$ 6.1871	\$ 2.6348	\$ 4.4368	\$ 6.9678	\$ 2.5655	\$ 4.1389	\$ 5.9011

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2023			2024			2025		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 3.7115	\$ 4.5258	\$ 5.5918	\$ 3.2259	\$ 4.6001	\$ 5.5606	\$ 2.7221	\$ 4.2371	\$ 6.1692
152	\$ 2.8229	\$ 3.5775	\$ 4.7788	\$ 3.2199	\$ 4.6465	\$ 5.5883	\$ 2.7095	\$ 4.0950	\$ 5.7536
153	\$ 3.2057	\$ 4.2830	\$ 6.0197	\$ 3.6079	\$ 4.8500	\$ 6.3530	\$ 2.8021	\$ 4.5635	\$ 6.4479
154	\$ 2.7355	\$ 4.3425	\$ 6.7008	\$ 2.9445	\$ 4.4459	\$ 7.0157	\$ 2.8259	\$ 4.0837	\$ 5.1054
155	\$ 3.0761	\$ 4.1147	\$ 5.7079	\$ 3.2998	\$ 4.7307	\$ 7.1857	\$ 3.2190	\$ 4.2559	\$ 5.8383
156	\$ 3.0046	\$ 4.4025	\$ 6.7044	\$ 2.6941	\$ 4.3265	\$ 7.0774	\$ 2.6581	\$ 4.7074	\$ 6.6398
157	\$ 2.7040	\$ 3.9682	\$ 4.8697	\$ 3.0203	\$ 4.4379	\$ 7.2831	\$ 2.9103	\$ 4.3471	\$ 5.4706
158	\$ 2.9359	\$ 4.0672	\$ 5.4663	\$ 2.7331	\$ 4.4867	\$ 6.6497	\$ 2.9540	\$ 4.7115	\$ 7.2589
159	\$ 3.5615	\$ 4.5082	\$ 6.4317	\$ 2.7022	\$ 4.3520	\$ 6.7180	\$ 2.9803	\$ 4.4373	\$ 7.6085
160	\$ 3.0326	\$ 4.0235	\$ 5.4845	\$ 2.9013	\$ 4.3125	\$ 6.4859	\$ 3.0757	\$ 4.4116	\$ 5.9958
161	\$ 3.3328	\$ 4.5172	\$ 5.7716	\$ 2.7737	\$ 4.9853	\$ 6.4634	\$ 3.1493	\$ 4.3929	\$ 5.9060
162	\$ 2.9259	\$ 4.2340	\$ 5.8404	\$ 2.8529	\$ 4.1572	\$ 5.8482	\$ 3.6385	\$ 4.8565	\$ 6.0035
163	\$ 2.6411	\$ 4.2517	\$ 5.6516	\$ 3.7900	\$ 4.7343	\$ 6.7687	\$ 3.1363	\$ 4.2606	\$ 5.4084
164	\$ 3.0301	\$ 4.8160	\$ 6.7938	\$ 3.1804	\$ 4.7820	\$ 7.3373	\$ 2.9282	\$ 4.2630	\$ 6.2614
165	\$ 3.4220	\$ 4.4306	\$ 6.4681	\$ 3.3370	\$ 4.3003	\$ 5.2372	\$ 2.7721	\$ 4.5946	\$ 6.0146
166	\$ 2.8851	\$ 4.2815	\$ 6.8412	\$ 3.9703	\$ 4.9720	\$ 7.2122	\$ 3.0136	\$ 4.5421	\$ 5.8512
167	\$ 3.1548	\$ 4.2648	\$ 6.7877	\$ 3.0799	\$ 4.9080	\$ 6.9367	\$ 2.7584	\$ 4.5431	\$ 6.8865
168	\$ 3.1003	\$ 4.5401	\$ 6.6177	\$ 3.8598	\$ 4.9200	\$ 6.5093	\$ 2.8021	\$ 4.1580	\$ 6.6902
169	\$ 3.0770	\$ 4.5453	\$ 6.8715	\$ 2.8529	\$ 4.9009	\$ 7.1857	\$ 2.6282	\$ 4.4159	\$ 5.4044
170	\$ 3.0149	\$ 4.3175	\$ 5.8167	\$ 2.7187	\$ 4.5875	\$ 6.2231	\$ 2.7058	\$ 4.8540	\$ 7.6429
171	\$ 2.9728	\$ 4.2177	\$ 5.0950	\$ 2.7319	\$ 4.5468	\$ 7.1632	\$ 3.0534	\$ 4.3953	\$ 6.2035
172	\$ 2.9884	\$ 4.3033	\$ 6.8671	\$ 2.9814	\$ 4.4700	\$ 7.0355	\$ 3.4674	\$ 4.2428	\$ 6.9171
173	\$ 2.8592	\$ 3.9804	\$ 6.1775	\$ 2.7323	\$ 4.4436	\$ 5.9306	\$ 2.6435	\$ 4.5604	\$ 6.7569
174	\$ 2.9054	\$ 4.0306	\$ 4.8263	\$ 2.9898	\$ 5.1911	\$ 7.1588	\$ 2.9448	\$ 4.2062	\$ 5.6830
175	\$ 3.3588	\$ 4.3830	\$ 5.8028	\$ 3.0123	\$ 4.4608	\$ 5.9922	\$ 3.0042	\$ 4.4026	\$ 6.4613
176	\$ 2.9793	\$ 3.9891	\$ 5.4312	\$ 3.1365	\$ 4.5295	\$ 5.5127	\$ 3.3218	\$ 4.5666	\$ 6.0380
177	\$ 2.9259	\$ 4.2043	\$ 6.3566	\$ 2.8529	\$ 4.7346	\$ 7.1671	\$ 2.6632	\$ 4.6930	\$ 6.6941
178	\$ 2.9629	\$ 4.1130	\$ 5.7357	\$ 3.2176	\$ 4.8879	\$ 7.1670	\$ 2.7928	\$ 4.4807	\$ 7.2139
179	\$ 2.9141	\$ 4.0545	\$ 5.9239	\$ 3.0214	\$ 4.0514	\$ 5.8351	\$ 2.7951	\$ 4.1904	\$ 6.1260
180	\$ 3.0361	\$ 4.3321	\$ 5.1549	\$ 2.7691	\$ 4.6283	\$ 7.0157	\$ 2.9338	\$ 4.5423	\$ 7.3552
181	\$ 3.0397	\$ 4.5342	\$ 6.6527	\$ 2.7691	\$ 4.1747	\$ 7.2831	\$ 2.6324	\$ 4.6236	\$ 7.6904
182	\$ 2.8823	\$ 4.5534	\$ 6.6796	\$ 2.8860	\$ 4.2738	\$ 5.6290	\$ 3.1863	\$ 4.6544	\$ 7.6085
183	\$ 2.7541	\$ 3.9178	\$ 5.4661	\$ 3.0687	\$ 3.9700	\$ 4.9101	\$ 2.9853	\$ 4.7179	\$ 7.5752
184	\$ 3.0903	\$ 4.0626	\$ 6.5308	\$ 2.6941	\$ 3.7485	\$ 5.1735	\$ 2.7778	\$ 4.7506	\$ 6.9216
185	\$ 2.9793	\$ 3.9578	\$ 5.7292	\$ 3.1795	\$ 4.6075	\$ 6.1983	\$ 3.3036	\$ 4.9865	\$ 7.1235
186	\$ 3.1799	\$ 4.4161	\$ 6.5597	\$ 2.7691	\$ 3.7505	\$ 5.8395	\$ 2.7860	\$ 4.5368	\$ 7.3317
187	\$ 2.7247	\$ 3.9210	\$ 6.0179	\$ 2.8616	\$ 4.7978	\$ 7.1612	\$ 2.7058	\$ 4.6444	\$ 7.6993
188	\$ 2.9495	\$ 4.2001	\$ 6.2835	\$ 2.8860	\$ 4.2342	\$ 5.6993	\$ 2.8582	\$ 4.3722	\$ 6.3497
189	\$ 2.7479	\$ 4.1902	\$ 4.9564	\$ 2.9013	\$ 4.7163	\$ 7.2831	\$ 3.3285	\$ 4.5058	\$ 5.6546
190	\$ 2.7973	\$ 3.9274	\$ 5.0934	\$ 2.9712	\$ 4.7686	\$ 5.9634	\$ 2.7058	\$ 4.0889	\$ 6.1546
191	\$ 3.0927	\$ 4.6365	\$ 6.7114	\$ 2.7323	\$ 4.5019	\$ 6.5071	\$ 2.7199	\$ 4.6455	\$ 7.6085
192	\$ 3.4828	\$ 4.4960	\$ 5.6507	\$ 2.7582	\$ 4.6973	\$ 6.7037	\$ 2.6324	\$ 4.3171	\$ 6.1639
193	\$ 3.0904	\$ 4.0809	\$ 5.1155	\$ 3.7271	\$ 4.5299	\$ 7.1179	\$ 3.0405	\$ 5.4337	\$ 7.6346
194	\$ 2.7541	\$ 3.8277	\$ 4.7483	\$ 3.4325	\$ 4.6428	\$ 7.1670	\$ 3.2259	\$ 4.5940	\$ 7.0885
195	\$ 2.8304	\$ 4.1788	\$ 5.9474	\$ 2.9013	\$ 4.4981	\$ 5.9310	\$ 2.6615	\$ 4.3886	\$ 7.6085
196	\$ 2.8709	\$ 3.8603	\$ 5.1420	\$ 2.7323	\$ 4.5176	\$ 7.1671	\$ 3.1267	\$ 4.6115	\$ 7.1205
197	\$ 2.7216	\$ 3.9654	\$ 5.7175	\$ 2.9611	\$ 3.8393	\$ 5.9726	\$ 2.9897	\$ 4.5754	\$ 7.2346
198	\$ 2.8670	\$ 4.0064	\$ 6.3267	\$ 2.9443	\$ 4.2700	\$ 6.6109	\$ 2.8328	\$ 4.6782	\$ 6.8012
199	\$ 3.0950	\$ 3.9493	\$ 5.9973	\$ 3.0667	\$ 4.8496	\$ 6.5376	\$ 2.6282	\$ 5.0047	\$ 7.1958
200	\$ 3.2968	\$ 4.3590	\$ 5.7312	\$ 2.8529	\$ 4.4713	\$ 6.5997	\$ 3.1041	\$ 4.7726	\$ 6.7098
Min	\$ 2.6411	\$ 3.5775	\$ 4.7234	\$ 2.6348	\$ 3.4688	\$ 4.8696	\$ 2.5655	\$ 3.7282	\$ 4.2923
Average	\$ 2.9951	\$ 4.2692	\$ 5.9833	\$ 3.0037	\$ 4.4883	\$ 6.4653	\$ 2.9685	\$ 4.5596	\$ 6.6311
Max	\$ 3.7115	\$ 5.0656	\$ 7.0856	\$ 3.9703	\$ 5.1911	\$ 7.5467	\$ 4.0818	\$ 5.5806	\$ 7.7856

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2026			2027			2028		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 2.6986	\$ 4.4689	\$ 6.5035	\$ 2.8489	\$ 4.6787	\$ 7.4625	\$ 3.1763	\$ 4.8428	\$ 8.9860
2	\$ 2.8287	\$ 5.4431	\$ 8.2153	\$ 3.1449	\$ 5.3369	\$ 8.6265	\$ 3.1703	\$ 5.2820	\$ 7.4958
3	\$ 3.1791	\$ 4.5630	\$ 7.5253	\$ 3.2782	\$ 4.9350	\$ 8.3275	\$ 2.9720	\$ 5.2923	\$ 9.1305
4	\$ 2.7940	\$ 4.7024	\$ 6.7880	\$ 2.8307	\$ 5.3091	\$ 8.5758	\$ 2.9696	\$ 5.4283	\$ 8.2039
5	\$ 2.7727	\$ 4.3891	\$ 6.1478	\$ 2.5667	\$ 4.3950	\$ 6.3442	\$ 3.8158	\$ 5.3125	\$ 9.0744
6	\$ 2.7940	\$ 4.3158	\$ 6.4923	\$ 3.9257	\$ 4.9477	\$ 5.8747	\$ 4.2376	\$ 5.6117	\$ 7.6466
7	\$ 2.6873	\$ 4.5593	\$ 7.0759	\$ 2.5145	\$ 4.7754	\$ 6.8164	\$ 3.8174	\$ 5.6812	\$ 9.1455
8	\$ 2.6873	\$ 4.4531	\$ 6.8982	\$ 3.4604	\$ 5.1497	\$ 7.9213	\$ 2.7941	\$ 4.4062	\$ 6.9250
9	\$ 2.6435	\$ 4.8818	\$ 8.0495	\$ 3.7027	\$ 5.0646	\$ 6.8872	\$ 2.6231	\$ 5.1170	\$ 7.1568
10	\$ 2.6124	\$ 4.8981	\$ 8.0236	\$ 2.8276	\$ 4.7257	\$ 6.7020	\$ 2.6231	\$ 5.0207	\$ 7.3024
11	\$ 3.7606	\$ 5.4485	\$ 8.0141	\$ 3.1401	\$ 5.0654	\$ 8.6265	\$ 2.8480	\$ 5.3796	\$ 9.0744
12	\$ 2.8460	\$ 4.8195	\$ 7.5039	\$ 3.1193	\$ 4.8692	\$ 7.0750	\$ 2.8691	\$ 4.8241	\$ 8.1439
13	\$ 2.9692	\$ 4.4082	\$ 8.0619	\$ 3.2873	\$ 5.5588	\$ 8.5758	\$ 3.5608	\$ 5.0372	\$ 8.1767
14	\$ 2.8952	\$ 4.4501	\$ 6.0213	\$ 3.6633	\$ 5.4182	\$ 8.5215	\$ 2.8258	\$ 4.5158	\$ 8.2799
15	\$ 2.6287	\$ 4.5361	\$ 8.2199	\$ 3.0442	\$ 4.7852	\$ 6.8747	\$ 2.7788	\$ 4.7284	\$ 7.5404
16	\$ 2.9539	\$ 4.5870	\$ 7.1423	\$ 2.7769	\$ 5.2067	\$ 8.6265	\$ 3.7695	\$ 5.9057	\$ 7.4479
17	\$ 3.2959	\$ 5.1520	\$ 6.9976	\$ 3.1803	\$ 5.4889	\$ 7.2555	\$ 3.0752	\$ 5.3067	\$ 9.2225
18	\$ 3.3992	\$ 5.3337	\$ 8.0575	\$ 2.6282	\$ 4.3898	\$ 6.1618	\$ 3.7076	\$ 5.2297	\$ 8.3321
19	\$ 3.2377	\$ 4.4596	\$ 5.9376	\$ 2.7061	\$ 4.0553	\$ 7.0616	\$ 3.0205	\$ 5.3455	\$ 9.1305
20	\$ 2.6124	\$ 5.0536	\$ 7.7019	\$ 3.4137	\$ 5.9290	\$ 8.5260	\$ 2.5681	\$ 5.2735	\$ 9.4141
21	\$ 4.0756	\$ 5.1827	\$ 6.5055	\$ 3.8067	\$ 5.3044	\$ 8.5046	\$ 3.0151	\$ 5.5992	\$ 9.0007
22	\$ 3.3395	\$ 4.6342	\$ 7.0457	\$ 2.6282	\$ 5.3372	\$ 8.3905	\$ 3.3883	\$ 5.4085	\$ 9.0007
23	\$ 2.9103	\$ 4.9116	\$ 6.7152	\$ 3.9121	\$ 5.2550	\$ 7.9883	\$ 3.1435	\$ 5.8127	\$ 8.6197
24	\$ 2.6124	\$ 5.2383	\$ 8.4456	\$ 3.2089	\$ 5.1058	\$ 8.4957	\$ 3.0456	\$ 5.0818	\$ 8.8327
25	\$ 2.8898	\$ 4.7231	\$ 7.0948	\$ 3.0416	\$ 5.2411	\$ 7.6859	\$ 3.1563	\$ 4.9765	\$ 6.3996
26	\$ 4.1017	\$ 5.3362	\$ 7.8068	\$ 3.7291	\$ 5.5089	\$ 7.5713	\$ 3.9306	\$ 5.5329	\$ 6.9587
27	\$ 2.8730	\$ 4.3231	\$ 6.0094	\$ 3.5136	\$ 5.6159	\$ 8.4957	\$ 3.1720	\$ 5.0153	\$ 8.4492
28	\$ 3.2533	\$ 4.6571	\$ 7.9697	\$ 3.2329	\$ 4.6469	\$ 6.4365	\$ 3.3122	\$ 5.8615	\$ 9.0744
29	\$ 2.8374	\$ 4.5467	\$ 5.7879	\$ 2.5145	\$ 4.8129	\$ 8.5758	\$ 3.4538	\$ 5.4036	\$ 8.5228
30	\$ 2.6124	\$ 4.6835	\$ 7.4917	\$ 3.5369	\$ 5.5617	\$ 8.5260	\$ 2.9597	\$ 5.1185	\$ 9.4141
31	\$ 4.2900	\$ 5.7537	\$ 8.0564	\$ 2.7589	\$ 4.4007	\$ 5.8001	\$ 3.0318	\$ 5.5112	\$ 9.1305
32	\$ 3.3669	\$ 4.9035	\$ 7.9313	\$ 3.5515	\$ 4.7322	\$ 5.6757	\$ 3.0162	\$ 5.5832	\$ 8.5396
33	\$ 3.4145	\$ 4.5172	\$ 5.8303	\$ 3.5930	\$ 4.8922	\$ 7.1933	\$ 3.4003	\$ 5.1397	\$ 8.6746
34	\$ 2.7140	\$ 4.5316	\$ 6.1880	\$ 2.7998	\$ 4.1679	\$ 5.9475	\$ 2.7663	\$ 4.8201	\$ 8.1202
35	\$ 2.7544	\$ 5.1441	\$ 8.2199	\$ 3.3620	\$ 5.1620	\$ 8.5033	\$ 2.8050	\$ 4.3262	\$ 6.1510
36	\$ 3.2599	\$ 4.7850	\$ 6.5013	\$ 3.0799	\$ 4.9738	\$ 8.0438	\$ 3.1340	\$ 5.4954	\$ 8.6843
37	\$ 2.9580	\$ 4.1908	\$ 6.3677	\$ 2.7393	\$ 4.9977	\$ 6.9361	\$ 3.3320	\$ 4.6739	\$ 7.0950
38	\$ 2.8287	\$ 4.6299	\$ 7.1860	\$ 3.4879	\$ 4.8701	\$ 8.3364	\$ 2.9344	\$ 4.6085	\$ 6.4792
39	\$ 2.5419	\$ 4.6087	\$ 8.0564	\$ 2.8539	\$ 4.0829	\$ 8.5260	\$ 2.5190	\$ 5.3698	\$ 9.0029
40	\$ 3.1011	\$ 4.5906	\$ 7.0429	\$ 3.2700	\$ 4.5704	\$ 5.8952	\$ 2.7636	\$ 5.2641	\$ 8.1898
41	\$ 2.7302	\$ 4.7655	\$ 7.2702	\$ 2.6132	\$ 4.6139	\$ 8.0800	\$ 3.7842	\$ 5.5985	\$ 8.9740
42	\$ 2.5419	\$ 4.6982	\$ 8.0619	\$ 2.9841	\$ 4.5245	\$ 6.3766	\$ 3.6994	\$ 5.0428	\$ 6.3473
43	\$ 3.7508	\$ 4.7211	\$ 7.2238	\$ 3.6736	\$ 5.0571	\$ 7.9902	\$ 3.2444	\$ 5.6510	\$ 8.1561
44	\$ 3.3358	\$ 4.8923	\$ 8.0564	\$ 3.5929	\$ 5.3530	\$ 6.6039	\$ 3.1485	\$ 5.5160	\$ 7.2948
45	\$ 3.3925	\$ 5.0470	\$ 7.8718	\$ 2.7574	\$ 5.1584	\$ 8.6265	\$ 3.4938	\$ 5.6930	\$ 9.1305
46	\$ 3.9374	\$ 5.0813	\$ 7.8636	\$ 2.6132	\$ 4.2847	\$ 8.6227	\$ 3.6696	\$ 5.1016	\$ 9.0686
47	\$ 3.3719	\$ 5.0813	\$ 8.1646	\$ 3.3887	\$ 5.4487	\$ 7.7686	\$ 3.1518	\$ 4.4243	\$ 6.7138
48	\$ 3.6276	\$ 4.8965	\$ 7.9737	\$ 3.0426	\$ 5.2257	\$ 7.8209	\$ 3.2009	\$ 5.0020	\$ 9.0007
49	\$ 3.6523	\$ 5.0770	\$ 6.7943	\$ 2.5853	\$ 5.0980	\$ 6.7855	\$ 4.0179	\$ 5.8133	\$ 9.4141
50	\$ 2.7727	\$ 4.1243	\$ 8.0374	\$ 3.4095	\$ 4.8308	\$ 8.5204	\$ 3.3611	\$ 5.7150	\$ 8.9897

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2026			2027			2028		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 3.8073	\$ 4.8967	\$ 7.0862	\$ 2.7589	\$ 5.1777	\$ 8.5758	\$ 3.1469	\$ 4.9531	\$ 8.2404
52	\$ 2.8080	\$ 4.7027	\$ 8.4456	\$ 2.9657	\$ 4.8440	\$ 8.5215	\$ 2.9264	\$ 5.2181	\$ 9.0007
53	\$ 3.0185	\$ 4.6171	\$ 7.2593	\$ 2.6132	\$ 4.7967	\$ 7.8627	\$ 2.6231	\$ 5.1757	\$ 9.4141
54	\$ 3.2389	\$ 4.4515	\$ 6.3821	\$ 2.9638	\$ 4.2879	\$ 5.9525	\$ 3.3787	\$ 5.0117	\$ 7.8217
55	\$ 2.8050	\$ 4.4325	\$ 6.2343	\$ 3.1459	\$ 5.6739	\$ 8.4957	\$ 3.5787	\$ 5.0342	\$ 8.0270
56	\$ 2.9177	\$ 4.3170	\$ 6.6838	\$ 2.8887	\$ 5.7120	\$ 8.5781	\$ 3.6262	\$ 5.5607	\$ 9.0007
57	\$ 3.6569	\$ 5.4926	\$ 8.0495	\$ 3.5401	\$ 4.2894	\$ 6.1461	\$ 2.7973	\$ 4.8528	\$ 8.5692
58	\$ 2.8050	\$ 5.1807	\$ 8.3363	\$ 2.6132	\$ 4.3014	\$ 5.5524	\$ 2.7622	\$ 5.0019	\$ 7.5171
59	\$ 2.6124	\$ 4.2867	\$ 6.1678	\$ 3.3556	\$ 5.2601	\$ 8.4957	\$ 3.5343	\$ 5.2925	\$ 7.7950
60	\$ 2.8564	\$ 4.6261	\$ 7.7301	\$ 3.4964	\$ 5.3045	\$ 8.5781	\$ 2.5190	\$ 4.2315	\$ 6.4931
61	\$ 2.8149	\$ 4.4174	\$ 5.9182	\$ 3.8237	\$ 5.5847	\$ 8.1301	\$ 3.2227	\$ 5.7709	\$ 9.1077
62	\$ 3.4643	\$ 4.8145	\$ 6.3070	\$ 3.9430	\$ 5.3277	\$ 8.5758	\$ 3.7535	\$ 5.3753	\$ 8.5352
63	\$ 3.2856	\$ 4.7567	\$ 5.7590	\$ 3.1845	\$ 4.9547	\$ 8.0339	\$ 3.4048	\$ 5.2588	\$ 7.4034
64	\$ 2.9295	\$ 5.1259	\$ 7.7026	\$ 3.4935	\$ 4.4441	\$ 6.4962	\$ 2.6945	\$ 5.1157	\$ 7.4713
65	\$ 2.6287	\$ 4.6284	\$ 6.5897	\$ 3.0396	\$ 4.6028	\$ 6.4154	\$ 2.8480	\$ 4.8169	\$ 6.9208
66	\$ 2.8462	\$ 4.6364	\$ 6.6936	\$ 3.1940	\$ 4.7308	\$ 8.2676	\$ 2.8480	\$ 5.1604	\$ 8.9860
67	\$ 2.5419	\$ 4.5917	\$ 7.5544	\$ 2.8225	\$ 5.1816	\$ 7.1743	\$ 3.1320	\$ 5.2947	\$ 7.3755
68	\$ 3.9217	\$ 5.1844	\$ 6.4648	\$ 2.8066	\$ 5.3888	\$ 8.2676	\$ 2.5681	\$ 4.8858	\$ 7.7204
69	\$ 2.8050	\$ 4.5951	\$ 6.6208	\$ 2.5145	\$ 4.5663	\$ 6.8297	\$ 3.0793	\$ 4.8972	\$ 7.8537
70	\$ 3.1909	\$ 4.8960	\$ 7.3028	\$ 2.5576	\$ 4.2221	\$ 8.6265	\$ 3.5320	\$ 4.8246	\$ 6.0625
71	\$ 3.2125	\$ 4.4511	\$ 6.6600	\$ 2.8621	\$ 4.5711	\$ 8.3780	\$ 3.5342	\$ 4.7259	\$ 6.1281
72	\$ 3.0534	\$ 4.2803	\$ 4.9397	\$ 3.7651	\$ 4.3918	\$ 6.6674	\$ 3.2139	\$ 5.2132	\$ 9.0686
73	\$ 4.0601	\$ 5.1278	\$ 8.0399	\$ 3.4590	\$ 4.9824	\$ 6.3709	\$ 2.7636	\$ 5.0626	\$ 7.4566
74	\$ 3.5461	\$ 5.4924	\$ 8.0619	\$ 2.5576	\$ 4.2665	\$ 6.6623	\$ 2.6231	\$ 4.8692	\$ 7.4326
75	\$ 2.9872	\$ 5.0145	\$ 7.4589	\$ 2.6282	\$ 4.5228	\$ 6.1538	\$ 3.3738	\$ 5.5367	\$ 7.4003
76	\$ 3.1764	\$ 4.2681	\$ 6.8496	\$ 2.6749	\$ 5.0397	\$ 8.5758	\$ 3.4017	\$ 5.5969	\$ 9.1443
77	\$ 2.8439	\$ 5.1045	\$ 8.1235	\$ 3.1246	\$ 4.5991	\$ 6.9446	\$ 3.5796	\$ 4.7517	\$ 6.5542
78	\$ 2.6515	\$ 4.7054	\$ 7.2763	\$ 2.6132	\$ 4.7343	\$ 7.5896	\$ 3.2319	\$ 5.2527	\$ 9.0007
79	\$ 2.7727	\$ 4.6309	\$ 7.5152	\$ 2.6132	\$ 4.8630	\$ 8.6265	\$ 3.6996	\$ 5.2584	\$ 8.9911
80	\$ 3.3277	\$ 4.5048	\$ 6.4873	\$ 3.9414	\$ 4.9459	\$ 6.9330	\$ 2.9873	\$ 4.3819	\$ 6.4141
81	\$ 2.7925	\$ 4.7392	\$ 7.8895	\$ 3.2637	\$ 4.9122	\$ 7.1423	\$ 2.7788	\$ 4.7294	\$ 7.8800
82	\$ 3.3527	\$ 4.8135	\$ 6.2727	\$ 3.1168	\$ 4.5968	\$ 7.5193	\$ 2.5190	\$ 4.8303	\$ 6.6757
83	\$ 3.1119	\$ 4.5143	\$ 7.2315	\$ 3.1007	\$ 4.9945	\$ 7.1738	\$ 4.5586	\$ 6.0966	\$ 8.8327
84	\$ 2.7598	\$ 4.4637	\$ 6.0326	\$ 3.2577	\$ 5.4698	\$ 8.3594	\$ 2.7272	\$ 5.0678	\$ 8.5368
85	\$ 2.9302	\$ 4.9925	\$ 7.0917	\$ 2.8829	\$ 4.8030	\$ 8.0098	\$ 2.6885	\$ 5.2207	\$ 8.1416
86	\$ 3.0621	\$ 4.3370	\$ 6.6055	\$ 3.0901	\$ 5.1184	\$ 7.2625	\$ 2.9288	\$ 5.0142	\$ 7.3926
87	\$ 3.2856	\$ 4.7334	\$ 8.1646	\$ 2.7574	\$ 4.8628	\$ 6.6542	\$ 2.6885	\$ 4.9006	\$ 9.1817
88	\$ 2.6776	\$ 4.6477	\$ 6.3963	\$ 2.6663	\$ 4.4207	\$ 5.8820	\$ 2.5802	\$ 5.6320	\$ 8.3438
89	\$ 3.0744	\$ 4.5764	\$ 6.5996	\$ 3.1567	\$ 4.4975	\$ 7.1918	\$ 2.6491	\$ 4.8597	\$ 7.0408
90	\$ 2.8551	\$ 4.0650	\$ 5.4540	\$ 2.6132	\$ 4.9899	\$ 8.5215	\$ 3.0576	\$ 4.5249	\$ 6.4343
91	\$ 2.6534	\$ 4.7500	\$ 6.4675	\$ 3.1955	\$ 5.0781	\$ 7.3483	\$ 2.8082	\$ 5.0841	\$ 9.0066
92	\$ 2.6124	\$ 4.8056	\$ 6.9969	\$ 2.9662	\$ 4.7283	\$ 7.8846	\$ 2.5190	\$ 4.3454	\$ 6.1595
93	\$ 2.9773	\$ 4.5438	\$ 5.9206	\$ 2.7589	\$ 3.8245	\$ 5.9288	\$ 2.5681	\$ 5.2367	\$ 8.8710
94	\$ 3.8570	\$ 5.1468	\$ 7.2697	\$ 2.8641	\$ 5.2700	\$ 8.6904	\$ 3.4960	\$ 5.2844	\$ 8.8010
95	\$ 2.6124	\$ 4.5457	\$ 6.9205	\$ 3.7236	\$ 5.2439	\$ 7.7587	\$ 3.0294	\$ 5.3667	\$ 8.7924
96	\$ 3.4064	\$ 5.2871	\$ 7.2153	\$ 3.1721	\$ 5.1187	\$ 7.0939	\$ 2.6510	\$ 4.4529	\$ 5.9884
97	\$ 3.4727	\$ 4.8932	\$ 6.4993	\$ 3.2854	\$ 4.9748	\$ 6.6866	\$ 3.1339	\$ 5.0346	\$ 7.3229
98	\$ 2.6873	\$ 5.0132	\$ 6.9590	\$ 2.5853	\$ 4.9380	\$ 7.2692	\$ 3.1616	\$ 4.7836	\$ 8.0631
99	\$ 3.0592	\$ 4.5155	\$ 5.7185	\$ 3.2641	\$ 5.4775	\$ 7.7692	\$ 2.6231	\$ 4.7853	\$ 9.0029
100	\$ 2.6811	\$ 4.3930	\$ 7.1244	\$ 3.4130	\$ 4.5675	\$ 6.9527	\$ 2.8727	\$ 5.1287	\$ 6.4762

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2026			2027			2028		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 3.1289	\$ 5.4692	\$ 7.2268	\$ 2.7589	\$ 4.7168	\$ 7.8467	\$ 3.5321	\$ 5.2472	\$ 7.2217
102	\$ 3.2594	\$ 4.4171	\$ 5.8832	\$ 2.6650	\$ 5.0450	\$ 7.2251	\$ 2.9942	\$ 5.3048	\$ 8.0006
103	\$ 2.7940	\$ 4.6607	\$ 7.2934	\$ 2.5918	\$ 4.3162	\$ 6.7846	\$ 2.7636	\$ 4.7738	\$ 6.9534
104	\$ 3.2145	\$ 4.7254	\$ 6.5503	\$ 3.7669	\$ 4.6234	\$ 5.7486	\$ 2.6338	\$ 5.1595	\$ 8.8327
105	\$ 4.0581	\$ 5.7810	\$ 7.6455	\$ 3.2011	\$ 5.7049	\$ 8.5204	\$ 3.6336	\$ 5.2427	\$ 7.5460
106	\$ 2.7927	\$ 4.8661	\$ 7.6735	\$ 2.7589	\$ 4.2791	\$ 7.1760	\$ 3.6724	\$ 5.5535	\$ 7.1590
107	\$ 2.5419	\$ 4.7446	\$ 7.7476	\$ 3.1311	\$ 4.5607	\$ 7.6527	\$ 3.6961	\$ 5.7559	\$ 9.1305
108	\$ 2.7727	\$ 4.4535	\$ 7.1608	\$ 2.7574	\$ 4.9303	\$ 8.3539	\$ 3.4472	\$ 5.1054	\$ 8.0323
109	\$ 3.0262	\$ 4.7402	\$ 7.8304	\$ 2.7744	\$ 4.4728	\$ 5.9424	\$ 2.5681	\$ 5.0080	\$ 8.3566
110	\$ 2.6350	\$ 4.4935	\$ 8.4456	\$ 3.2333	\$ 4.9010	\$ 8.6265	\$ 2.9065	\$ 4.8630	\$ 8.6930
111	\$ 2.5419	\$ 4.8476	\$ 7.7143	\$ 2.7761	\$ 4.6616	\$ 5.9690	\$ 3.1279	\$ 4.9789	\$ 7.7298
112	\$ 2.6287	\$ 4.4937	\$ 7.5761	\$ 2.8502	\$ 4.6778	\$ 8.4025	\$ 2.9483	\$ 5.0490	\$ 7.1001
113	\$ 2.7940	\$ 4.8627	\$ 7.7237	\$ 2.6132	\$ 4.6635	\$ 8.0462	\$ 2.7622	\$ 5.1271	\$ 7.3236
114	\$ 3.1090	\$ 4.7713	\$ 7.2154	\$ 3.1872	\$ 4.8844	\$ 7.4314	\$ 3.0110	\$ 5.3896	\$ 8.2979
115	\$ 2.6124	\$ 4.7265	\$ 6.8736	\$ 2.9461	\$ 4.5250	\$ 6.8411	\$ 3.1955	\$ 5.4824	\$ 7.1722
116	\$ 2.6873	\$ 4.0074	\$ 5.2958	\$ 3.2750	\$ 4.8249	\$ 6.3318	\$ 2.9707	\$ 5.4303	\$ 9.0066
117	\$ 3.3963	\$ 4.8687	\$ 6.2488	\$ 3.0821	\$ 4.5372	\$ 8.5251	\$ 2.8258	\$ 5.1108	\$ 7.8253
118	\$ 3.2453	\$ 4.7566	\$ 5.9024	\$ 3.1685	\$ 4.6865	\$ 6.9846	\$ 2.7954	\$ 4.8316	\$ 7.4407
119	\$ 3.2218	\$ 5.6123	\$ 8.0374	\$ 2.6700	\$ 4.7464	\$ 8.0378	\$ 2.8873	\$ 4.4974	\$ 9.0686
120	\$ 2.8902	\$ 4.2003	\$ 6.3242	\$ 3.4583	\$ 5.5575	\$ 8.4957	\$ 3.0392	\$ 4.9982	\$ 7.0834
121	\$ 3.3463	\$ 4.4813	\$ 5.5928	\$ 3.2348	\$ 5.1745	\$ 7.2160	\$ 2.7622	\$ 4.6135	\$ 6.8484
122	\$ 2.7940	\$ 4.2994	\$ 6.4707	\$ 2.6801	\$ 4.7834	\$ 7.8341	\$ 3.3679	\$ 5.3237	\$ 9.4141
123	\$ 2.8374	\$ 4.6736	\$ 8.1062	\$ 2.9182	\$ 4.4762	\$ 6.6010	\$ 2.7633	\$ 4.6897	\$ 7.3889
124	\$ 2.9736	\$ 5.2387	\$ 8.0564	\$ 3.3073	\$ 4.9314	\$ 6.9470	\$ 3.0920	\$ 5.0533	\$ 9.1077
125	\$ 2.7856	\$ 4.7416	\$ 8.2199	\$ 3.1317	\$ 4.7394	\$ 8.6265	\$ 2.5865	\$ 3.5164	\$ 5.3751
126	\$ 2.8287	\$ 4.1963	\$ 6.1212	\$ 2.5322	\$ 5.1232	\$ 7.2835	\$ 3.8719	\$ 5.9367	\$ 9.0686
127	\$ 2.8792	\$ 4.3934	\$ 6.6244	\$ 3.0154	\$ 5.2719	\$ 7.1839	\$ 2.9580	\$ 5.0781	\$ 8.2127
128	\$ 3.0614	\$ 4.6454	\$ 8.0575	\$ 3.3364	\$ 5.6570	\$ 8.4957	\$ 4.0603	\$ 5.3661	\$ 7.2266
129	\$ 2.6014	\$ 4.4505	\$ 8.0619	\$ 3.0001	\$ 4.7369	\$ 6.4044	\$ 3.3977	\$ 5.0849	\$ 7.9463
130	\$ 2.6014	\$ 4.7388	\$ 5.7267	\$ 3.1375	\$ 4.7858	\$ 6.3873	\$ 2.8172	\$ 5.4720	\$ 9.0029
131	\$ 2.7782	\$ 4.9093	\$ 6.4643	\$ 2.9094	\$ 5.0523	\$ 7.3079	\$ 2.7964	\$ 5.6104	\$ 7.4521
132	\$ 3.1629	\$ 4.5347	\$ 7.0147	\$ 2.5145	\$ 5.1323	\$ 8.5260	\$ 3.1634	\$ 5.4051	\$ 9.0066
133	\$ 2.6124	\$ 4.4195	\$ 6.3237	\$ 2.7314	\$ 4.8389	\$ 8.4957	\$ 2.9860	\$ 4.8206	\$ 6.6502
134	\$ 2.8902	\$ 4.5484	\$ 8.2199	\$ 2.9874	\$ 4.6007	\$ 6.5925	\$ 2.7636	\$ 4.6184	\$ 7.4773
135	\$ 2.6287	\$ 4.8287	\$ 7.2393	\$ 3.6890	\$ 4.9689	\$ 7.0576	\$ 3.1170	\$ 4.9658	\$ 7.4115
136	\$ 3.3656	\$ 4.5815	\$ 5.8056	\$ 3.3093	\$ 5.2867	\$ 7.8883	\$ 2.8945	\$ 4.8910	\$ 7.1468
137	\$ 2.8076	\$ 5.2963	\$ 8.0374	\$ 3.1480	\$ 4.2071	\$ 6.3747	\$ 3.3992	\$ 4.7331	\$ 5.6813
138	\$ 3.4097	\$ 4.3785	\$ 5.3994	\$ 3.1542	\$ 4.8729	\$ 8.5260	\$ 3.5376	\$ 5.0059	\$ 9.1077
139	\$ 2.6751	\$ 4.8350	\$ 8.0374	\$ 2.5145	\$ 5.0362	\$ 7.3480	\$ 3.7518	\$ 4.6628	\$ 6.1077
140	\$ 2.8050	\$ 4.4913	\$ 6.6414	\$ 3.0785	\$ 4.8751	\$ 6.8779	\$ 2.6885	\$ 4.7310	\$ 7.2944
141	\$ 3.3796	\$ 4.8080	\$ 6.3277	\$ 3.3080	\$ 4.7416	\$ 5.4017	\$ 3.7243	\$ 5.2969	\$ 9.0066
142	\$ 2.7776	\$ 4.7055	\$ 7.5919	\$ 2.7428	\$ 4.7152	\$ 8.6904	\$ 3.3933	\$ 5.2409	\$ 9.4141
143	\$ 2.6435	\$ 4.3453	\$ 6.2803	\$ 2.5189	\$ 4.2371	\$ 6.0418	\$ 3.0359	\$ 5.1322	\$ 6.6230
144	\$ 2.6480	\$ 3.8257	\$ 5.5403	\$ 2.6712	\$ 5.7273	\$ 8.6348	\$ 2.8487	\$ 4.9588	\$ 7.3323
145	\$ 3.2191	\$ 5.2717	\$ 8.2199	\$ 3.5377	\$ 5.2324	\$ 7.6635	\$ 2.6231	\$ 4.3447	\$ 5.9260
146	\$ 2.7727	\$ 4.0185	\$ 6.9092	\$ 2.5145	\$ 4.7856	\$ 8.3130	\$ 3.3415	\$ 4.9713	\$ 7.0716
147	\$ 3.1856	\$ 4.9369	\$ 7.7040	\$ 2.7574	\$ 4.4304	\$ 6.4922	\$ 3.7643	\$ 4.7228	\$ 7.2709
148	\$ 2.7487	\$ 4.2481	\$ 6.3126	\$ 3.2477	\$ 4.8256	\$ 8.0110	\$ 3.1191	\$ 5.1017	\$ 7.9308
149	\$ 3.0768	\$ 4.7846	\$ 6.6944	\$ 3.4878	\$ 4.8300	\$ 7.3129	\$ 2.9460	\$ 4.6338	\$ 8.5551
150	\$ 2.8912	\$ 4.3318	\$ 6.2449	\$ 2.8121	\$ 4.7572	\$ 7.8706	\$ 4.0653	\$ 5.4319	\$ 7.8141

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2026			2027			2028		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 2.8050	\$ 5.1376	\$ 8.2199	\$ 3.1675	\$ 5.2985	\$ 8.1446	\$ 3.6931	\$ 4.9957	\$ 7.4391
152	\$ 3.4551	\$ 5.7192	\$ 8.1646	\$ 3.4797	\$ 5.1963	\$ 8.5758	\$ 3.4070	\$ 4.5540	\$ 5.9512
153	\$ 2.9696	\$ 4.9728	\$ 8.0652	\$ 2.6991	\$ 5.0387	\$ 8.0128	\$ 2.8171	\$ 4.5126	\$ 6.2290
154	\$ 2.6772	\$ 4.1941	\$ 5.3815	\$ 3.0553	\$ 4.7930	\$ 8.5260	\$ 3.4602	\$ 5.1475	\$ 7.0594
155	\$ 3.4419	\$ 5.2323	\$ 6.0835	\$ 2.8225	\$ 5.4013	\$ 7.8514	\$ 3.6787	\$ 5.7129	\$ 8.3884
156	\$ 3.7633	\$ 5.0911	\$ 7.0338	\$ 3.1476	\$ 5.0274	\$ 8.3364	\$ 3.1833	\$ 6.0756	\$ 8.8327
157	\$ 2.5419	\$ 4.3888	\$ 6.7792	\$ 2.9766	\$ 4.4935	\$ 7.0044	\$ 3.8300	\$ 5.8649	\$ 8.8023
158	\$ 2.6287	\$ 4.3454	\$ 6.6009	\$ 3.1891	\$ 4.9588	\$ 6.9616	\$ 2.9950	\$ 5.3168	\$ 8.8260
159	\$ 3.3698	\$ 4.7292	\$ 7.2758	\$ 2.9703	\$ 4.4153	\$ 7.3624	\$ 3.7251	\$ 5.5028	\$ 7.7886
160	\$ 2.8902	\$ 4.9396	\$ 6.4435	\$ 3.4362	\$ 5.1234	\$ 7.6565	\$ 2.6231	\$ 4.9781	\$ 8.9911
161	\$ 3.1513	\$ 4.6544	\$ 6.5385	\$ 2.9391	\$ 4.5081	\$ 5.8400	\$ 2.5190	\$ 4.7241	\$ 6.6642
162	\$ 3.1699	\$ 4.4294	\$ 7.9054	\$ 2.6035	\$ 4.1155	\$ 5.9246	\$ 2.8172	\$ 5.1646	\$ 7.8724
163	\$ 2.6873	\$ 5.1626	\$ 7.3970	\$ 2.8225	\$ 5.0359	\$ 7.3799	\$ 2.8276	\$ 5.3864	\$ 9.4141
164	\$ 3.1325	\$ 5.1690	\$ 8.1062	\$ 2.5576	\$ 5.0336	\$ 6.6877	\$ 3.4026	\$ 5.3044	\$ 6.7689
165	\$ 2.9628	\$ 5.3643	\$ 8.4456	\$ 2.8225	\$ 4.8609	\$ 8.5665	\$ 3.8415	\$ 5.5026	\$ 8.6633
166	\$ 2.6791	\$ 4.9311	\$ 6.8808	\$ 3.2280	\$ 5.4149	\$ 8.2072	\$ 3.2711	\$ 4.8989	\$ 7.8751
167	\$ 3.1520	\$ 4.6830	\$ 6.4005	\$ 2.6185	\$ 4.5067	\$ 7.4713	\$ 2.5802	\$ 4.6478	\$ 6.9758
168	\$ 3.3130	\$ 4.4376	\$ 5.7129	\$ 3.6736	\$ 5.0191	\$ 7.5425	\$ 2.8480	\$ 4.7163	\$ 7.5115
169	\$ 2.6435	\$ 4.7094	\$ 6.9899	\$ 2.7574	\$ 4.4274	\$ 7.2367	\$ 3.8315	\$ 5.1185	\$ 6.7721
170	\$ 3.1120	\$ 4.3244	\$ 5.6745	\$ 3.6537	\$ 5.5195	\$ 8.5034	\$ 2.8172	\$ 4.8464	\$ 7.1773
171	\$ 3.9363	\$ 5.3104	\$ 7.4629	\$ 3.7433	\$ 5.4361	\$ 8.2820	\$ 2.7622	\$ 4.7506	\$ 7.6903
172	\$ 2.6014	\$ 4.1861	\$ 6.5018	\$ 2.7985	\$ 4.7952	\$ 7.1332	\$ 3.0146	\$ 5.2501	\$ 7.7387
173	\$ 3.1888	\$ 4.4488	\$ 5.9199	\$ 3.7716	\$ 5.0317	\$ 7.3753	\$ 2.6956	\$ 5.2719	\$ 8.9860
174	\$ 3.2009	\$ 4.7844	\$ 6.7756	\$ 3.7869	\$ 5.0703	\$ 6.2866	\$ 2.6570	\$ 4.9563	\$ 9.0744
175	\$ 2.9919	\$ 4.3272	\$ 6.1122	\$ 3.1964	\$ 4.9371	\$ 7.3645	\$ 2.8526	\$ 4.6474	\$ 7.4684
176	\$ 2.7021	\$ 4.4786	\$ 6.6777	\$ 3.1161	\$ 4.8892	\$ 5.9727	\$ 4.1052	\$ 5.7022	\$ 7.9263
177	\$ 2.6640	\$ 4.2536	\$ 6.4805	\$ 3.0450	\$ 4.4970	\$ 6.6747	\$ 3.0206	\$ 4.5397	\$ 8.0358
178	\$ 2.8958	\$ 4.3931	\$ 7.4883	\$ 3.1455	\$ 5.2454	\$ 7.9935	\$ 3.3784	\$ 5.5651	\$ 8.8777
179	\$ 3.6286	\$ 4.2249	\$ 5.3999	\$ 2.9630	\$ 4.2130	\$ 7.6519	\$ 2.8331	\$ 5.1736	\$ 8.9911
180	\$ 2.5419	\$ 4.4273	\$ 7.1682	\$ 3.2120	\$ 5.0659	\$ 8.5672	\$ 3.4917	\$ 4.9345	\$ 5.9499
181	\$ 2.5419	\$ 4.7358	\$ 6.5387	\$ 2.8335	\$ 4.4838	\$ 6.1445	\$ 2.7073	\$ 4.3666	\$ 6.1068
182	\$ 3.4086	\$ 4.9681	\$ 6.1872	\$ 2.5145	\$ 5.0339	\$ 8.6265	\$ 2.5710	\$ 5.2708	\$ 7.7385
183	\$ 2.8902	\$ 4.8062	\$ 7.8401	\$ 2.5853	\$ 5.0266	\$ 7.8112	\$ 2.6885	\$ 4.8240	\$ 8.8327
184	\$ 2.8287	\$ 4.4754	\$ 6.9051	\$ 3.4397	\$ 4.9122	\$ 7.2690	\$ 3.2200	\$ 5.0302	\$ 8.4291
185	\$ 2.8566	\$ 4.1705	\$ 6.7253	\$ 2.7668	\$ 4.2815	\$ 6.7016	\$ 3.2958	\$ 4.7992	\$ 6.1851
186	\$ 3.0732	\$ 4.5972	\$ 8.0619	\$ 2.9193	\$ 4.5021	\$ 6.7108	\$ 2.6231	\$ 4.5314	\$ 7.7241
187	\$ 3.1642	\$ 4.4366	\$ 5.7163	\$ 2.5576	\$ 4.5726	\$ 8.5215	\$ 3.3820	\$ 5.5508	\$ 9.1305
188	\$ 3.0747	\$ 4.8360	\$ 7.1004	\$ 4.0660	\$ 5.4947	\$ 8.9252	\$ 2.7632	\$ 4.5856	\$ 7.8932
189	\$ 2.9605	\$ 4.2086	\$ 5.4905	\$ 2.8641	\$ 4.8170	\$ 6.8673	\$ 2.9659	\$ 4.0276	\$ 4.8216
190	\$ 2.6287	\$ 5.1788	\$ 7.2127	\$ 3.1971	\$ 4.7189	\$ 7.3006	\$ 2.8477	\$ 5.3388	\$ 8.4193
191	\$ 2.5419	\$ 4.9334	\$ 7.0740	\$ 2.6282	\$ 5.4490	\$ 8.4957	\$ 3.0322	\$ 5.1425	\$ 8.3826
192	\$ 2.8579	\$ 4.2574	\$ 6.3324	\$ 2.7032	\$ 4.4945	\$ 6.6358	\$ 2.7731	\$ 4.5977	\$ 7.3802
193	\$ 2.6014	\$ 4.3874	\$ 7.1672	\$ 2.7574	\$ 4.5106	\$ 8.4006	\$ 2.5681	\$ 4.9269	\$ 8.1284
194	\$ 2.8042	\$ 4.8022	\$ 8.0786	\$ 2.9198	\$ 4.9545	\$ 7.8616	\$ 2.7638	\$ 4.8660	\$ 8.6146
195	\$ 2.8472	\$ 4.7296	\$ 6.7754	\$ 3.2688	\$ 5.1882	\$ 6.8807	\$ 3.4488	\$ 4.4377	\$ 5.3175
196	\$ 3.4495	\$ 5.7641	\$ 7.9925	\$ 3.7267	\$ 5.4989	\$ 7.7323	\$ 3.5274	\$ 5.2791	\$ 9.1817
197	\$ 2.9245	\$ 4.9603	\$ 7.1663	\$ 2.6851	\$ 5.5754	\$ 8.7451	\$ 3.4935	\$ 5.5221	\$ 9.0635
198	\$ 3.0759	\$ 5.2019	\$ 7.4442	\$ 3.2102	\$ 5.0533	\$ 6.8139	\$ 3.5979	\$ 5.0548	\$ 7.2263
199	\$ 3.2842	\$ 4.1946	\$ 5.9597	\$ 2.6282	\$ 4.2025	\$ 6.3431	\$ 3.4488	\$ 4.7728	\$ 6.3841
200	\$ 2.6769	\$ 4.7093	\$ 5.7965	\$ 3.0015	\$ 4.5437	\$ 6.6633	\$ 2.7636	\$ 4.5633	\$ 7.4705
Min	\$ 2.5419	\$ 3.8257	\$ 4.9397	\$ 2.5145	\$ 3.8245	\$ 5.4017	\$ 2.5190	\$ 3.5164	\$ 4.8216
Average	\$ 3.0129	\$ 4.7223	\$ 7.0227	\$ 3.0635	\$ 4.8960	\$ 7.4952	\$ 3.1260	\$ 5.0952	\$ 7.9106
Max	\$ 4.2900	\$ 5.7810	\$ 8.4456	\$ 4.0660	\$ 5.9290	\$ 8.9252	\$ 4.5586	\$ 6.0966	\$ 9.4141

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2029			2030			2031		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 2.6177	\$ 5.0581	\$ 7.0102	\$ 3.0668	\$ 5.1199	\$ 8.2373	\$ 3.0711	\$ 5.3132	\$ 7.7425
2	\$ 3.1064	\$ 5.6382	\$ 7.5272	\$ 3.1313	\$ 5.9479	\$ 9.9455	\$ 2.6696	\$ 5.6707	\$ 9.9868
3	\$ 2.7094	\$ 4.9418	\$ 6.7087	\$ 3.9931	\$ 5.6128	\$ 8.0879	\$ 3.0043	\$ 5.7145	\$ 8.4064
4	\$ 2.7726	\$ 4.6663	\$ 6.7469	\$ 2.9414	\$ 5.8561	\$ 9.1358	\$ 2.6097	\$ 5.6358	\$ 10.4390
5	\$ 2.9065	\$ 4.8599	\$ 6.1803	\$ 2.6213	\$ 4.6226	\$ 7.8495	\$ 2.7596	\$ 6.1565	\$ 8.6967
6	\$ 3.3544	\$ 5.0023	\$ 9.4841	\$ 3.4548	\$ 4.7051	\$ 6.2347	\$ 3.5870	\$ 5.3201	\$ 7.6382
7	\$ 2.6273	\$ 5.4973	\$ 8.1946	\$ 3.3435	\$ 5.0786	\$ 7.9792	\$ 3.6431	\$ 6.8978	\$ 10.8480
8	\$ 3.3567	\$ 5.0149	\$ 8.9014	\$ 3.2371	\$ 5.1718	\$ 6.6036	\$ 2.8225	\$ 5.2552	\$ 7.8457
9	\$ 2.9855	\$ 4.9148	\$ 8.7581	\$ 2.7502	\$ 5.1535	\$ 9.8936	\$ 2.5922	\$ 6.4505	\$ 10.4390
10	\$ 3.1829	\$ 5.1588	\$ 9.9159	\$ 2.6389	\$ 5.6628	\$ 9.7189	\$ 3.0722	\$ 5.6910	\$ 9.5768
11	\$ 2.9452	\$ 5.3560	\$ 7.2665	\$ 2.9632	\$ 5.4366	\$ 8.1513	\$ 3.2812	\$ 5.1505	\$ 7.2521
12	\$ 3.1191	\$ 4.9982	\$ 7.4497	\$ 3.4391	\$ 5.1587	\$ 7.8986	\$ 3.1747	\$ 6.0787	\$ 9.6964
13	\$ 2.7681	\$ 5.5373	\$ 8.6476	\$ 2.8689	\$ 5.2376	\$ 7.7658	\$ 2.7571	\$ 5.1697	\$ 8.7332
14	\$ 3.8327	\$ 6.0892	\$ 9.5609	\$ 2.7267	\$ 4.6661	\$ 7.2420	\$ 3.8632	\$ 6.4811	\$ 10.4351
15	\$ 3.2436	\$ 5.6590	\$ 7.6188	\$ 2.7008	\$ 4.6426	\$ 8.3418	\$ 3.0900	\$ 6.2418	\$ 10.4759
16	\$ 2.5315	\$ 4.4113	\$ 6.9360	\$ 3.6031	\$ 5.7371	\$ 9.6289	\$ 2.6936	\$ 5.7701	\$ 10.6655
17	\$ 3.0621	\$ 4.6549	\$ 6.4471	\$ 3.7696	\$ 5.7349	\$ 8.1701	\$ 3.6984	\$ 5.2606	\$ 7.4290
18	\$ 3.5713	\$ 4.8413	\$ 9.4841	\$ 3.2323	\$ 4.9203	\$ 7.5122	\$ 2.7596	\$ 5.8915	\$ 9.9029
19	\$ 2.9149	\$ 5.1433	\$ 8.4448	\$ 3.2560	\$ 5.9486	\$ 9.3099	\$ 2.8687	\$ 5.5086	\$ 8.6588
20	\$ 3.7950	\$ 5.3833	\$ 8.8405	\$ 3.8864	\$ 6.1043	\$ 8.7449	\$ 2.8020	\$ 5.2597	\$ 8.0899
21	\$ 3.1960	\$ 4.8841	\$ 6.2681	\$ 2.9183	\$ 5.3264	\$ 8.8248	\$ 2.7571	\$ 5.2243	\$ 10.4759
22	\$ 2.5607	\$ 4.6482	\$ 8.2328	\$ 3.3917	\$ 4.9534	\$ 7.1230	\$ 2.7982	\$ 4.8854	\$ 8.3259
23	\$ 4.0104	\$ 6.1260	\$ 7.7905	\$ 3.1809	\$ 4.9058	\$ 7.1863	\$ 3.7058	\$ 5.5869	\$ 7.5438
24	\$ 3.6033	\$ 5.0694	\$ 7.1617	\$ 3.4416	\$ 4.4991	\$ 5.7444	\$ 3.1703	\$ 6.7427	\$ 10.4759
25	\$ 3.0498	\$ 5.4404	\$ 8.1367	\$ 2.7499	\$ 5.1502	\$ 9.2595	\$ 3.7527	\$ 6.6679	\$ 10.4351
26	\$ 2.6892	\$ 5.6246	\$ 9.5301	\$ 3.3652	\$ 6.2511	\$ 9.9814	\$ 2.7450	\$ 5.7980	\$ 10.5194
27	\$ 3.1233	\$ 5.3637	\$ 8.9629	\$ 2.7603	\$ 5.5644	\$ 8.7413	\$ 3.5778	\$ 5.9270	\$ 9.2135
28	\$ 2.8148	\$ 5.1267	\$ 7.6529	\$ 3.7942	\$ 5.0542	\$ 6.3193	\$ 3.7199	\$ 5.5780	\$ 8.7682
29	\$ 2.7259	\$ 4.9041	\$ 7.5969	\$ 3.6569	\$ 5.4616	\$ 8.8657	\$ 2.8024	\$ 5.9393	\$ 8.7443
30	\$ 3.1196	\$ 4.8120	\$ 7.0894	\$ 2.9051	\$ 5.4012	\$ 9.9751	\$ 2.9071	\$ 4.9961	\$ 6.8393
31	\$ 2.7195	\$ 5.2706	\$ 8.7798	\$ 2.9286	\$ 5.6202	\$ 10.0875	\$ 3.0419	\$ 5.4494	\$ 10.5796
32	\$ 3.1363	\$ 5.4255	\$ 8.8328	\$ 2.6174	\$ 5.1199	\$ 8.2169	\$ 2.7538	\$ 5.3019	\$ 10.2099
33	\$ 3.5448	\$ 6.2896	\$ 8.7003	\$ 3.5369	\$ 6.0222	\$ 10.1367	\$ 3.1595	\$ 6.6605	\$ 9.1801
34	\$ 2.6179	\$ 5.1113	\$ 8.3447	\$ 3.8625	\$ 6.4282	\$ 8.0036	\$ 3.1715	\$ 5.9609	\$ 8.9474
35	\$ 2.6179	\$ 4.9477	\$ 8.4432	\$ 2.9962	\$ 5.0037	\$ 6.2640	\$ 2.9401	\$ 5.1903	\$ 8.4920
36	\$ 3.5791	\$ 5.3084	\$ 9.3039	\$ 3.7097	\$ 6.2792	\$ 8.1903	\$ 2.7538	\$ 4.6391	\$ 9.0733
37	\$ 3.3346	\$ 5.5812	\$ 8.1323	\$ 3.1618	\$ 4.8944	\$ 6.7157	\$ 4.1705	\$ 6.0832	\$ 10.4759
38	\$ 2.6179	\$ 5.2087	\$ 9.2520	\$ 3.0158	\$ 4.9266	\$ 7.9758	\$ 2.5228	\$ 4.6288	\$ 7.4033
39	\$ 3.6937	\$ 5.6929	\$ 8.7830	\$ 2.9129	\$ 4.9483	\$ 7.6174	\$ 2.7982	\$ 6.2519	\$ 10.5796
40	\$ 3.1439	\$ 5.7131	\$ 8.2791	\$ 3.3352	\$ 5.9400	\$ 9.4918	\$ 2.9773	\$ 5.8167	\$ 7.8480
41	\$ 2.6221	\$ 5.1507	\$ 6.8016	\$ 3.0052	\$ 4.7102	\$ 7.0320	\$ 2.9783	\$ 5.5405	\$ 10.5368
42	\$ 3.1554	\$ 4.7941	\$ 6.5661	\$ 2.7499	\$ 4.5636	\$ 8.9897	\$ 3.1437	\$ 4.9930	\$ 9.3345
43	\$ 2.7829	\$ 6.0141	\$ 9.0075	\$ 3.2879	\$ 5.2729	\$ 6.5634	\$ 2.5840	\$ 5.4114	\$ 9.5089
44	\$ 3.3045	\$ 5.6578	\$ 9.6513	\$ 3.5652	\$ 6.1271	\$ 10.0875	\$ 2.6387	\$ 5.1570	\$ 8.6563
45	\$ 3.2105	\$ 4.9618	\$ 6.9455	\$ 3.0079	\$ 4.8204	\$ 6.5803	\$ 3.1945	\$ 5.4596	\$ 10.5623
46	\$ 2.6177	\$ 5.0009	\$ 9.3032	\$ 4.1527	\$ 6.5123	\$ 10.0124	\$ 3.3251	\$ 6.0107	\$ 8.8914
47	\$ 3.5629	\$ 5.2247	\$ 6.8657	\$ 3.6979	\$ 5.6677	\$ 7.6694	\$ 2.6936	\$ 4.8392	\$ 7.1992
48	\$ 3.2648	\$ 5.9556	\$ 9.5634	\$ 4.0789	\$ 5.7874	\$ 9.9455	\$ 3.6539	\$ 5.6948	\$ 8.2675
49	\$ 2.8813	\$ 5.4852	\$ 8.7071	\$ 2.7234	\$ 4.8681	\$ 7.2103	\$ 3.6955	\$ 5.7075	\$ 10.8480
50	\$ 3.6030	\$ 5.3366	\$ 7.3397	\$ 2.8692	\$ 5.8129	\$ 8.3992	\$ 2.6947	\$ 5.7145	\$ 8.5680

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2029			2030			2031		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 2.9088	\$ 4.8968	\$ 8.9557	\$ 2.6174	\$ 6.0427	\$ 10.0124	\$ 2.8551	\$ 5.2501	\$ 10.0455
52	\$ 2.6892	\$ 5.2171	\$ 8.4415	\$ 3.3732	\$ 5.1957	\$ 8.5364	\$ 3.8006	\$ 5.7580	\$ 8.7938
53	\$ 2.6177	\$ 5.2731	\$ 7.8601	\$ 2.9613	\$ 5.0404	\$ 9.8989	\$ 3.7120	\$ 6.4332	\$ 10.2445
54	\$ 3.3441	\$ 4.9179	\$ 7.7624	\$ 3.1816	\$ 5.7420	\$ 9.7114	\$ 3.0407	\$ 5.5277	\$ 10.8480
55	\$ 3.1897	\$ 5.9388	\$ 9.5099	\$ 3.9339	\$ 6.0982	\$ 10.3711	\$ 3.3719	\$ 5.3605	\$ 8.2067
56	\$ 3.1178	\$ 4.7535	\$ 6.2303	\$ 3.4515	\$ 5.8708	\$ 10.3711	\$ 4.0678	\$ 6.3311	\$ 10.4410
57	\$ 3.0502	\$ 4.9866	\$ 9.5729	\$ 2.9182	\$ 4.3858	\$ 5.8099	\$ 2.7571	\$ 4.7698	\$ 10.5623
58	\$ 2.8880	\$ 5.0888	\$ 8.6577	\$ 2.7058	\$ 5.9412	\$ 10.2975	\$ 2.9683	\$ 6.1832	\$ 9.2790
59	\$ 2.5315	\$ 4.7973	\$ 7.2581	\$ 2.6965	\$ 4.9520	\$ 9.0070	\$ 2.7982	\$ 4.8033	\$ 7.0298
60	\$ 3.0182	\$ 5.8422	\$ 9.3968	\$ 2.8777	\$ 6.5611	\$ 9.9814	\$ 3.0132	\$ 5.4845	\$ 10.5623
61	\$ 2.6177	\$ 4.2363	\$ 5.8989	\$ 3.4140	\$ 5.7602	\$ 9.3931	\$ 2.9557	\$ 5.3700	\$ 7.2910
62	\$ 2.8279	\$ 4.9284	\$ 9.5609	\$ 3.5168	\$ 4.8196	\$ 6.6611	\$ 2.6055	\$ 5.9845	\$ 10.4459
63	\$ 3.0248	\$ 5.4203	\$ 6.9107	\$ 2.5430	\$ 5.5183	\$ 8.1562	\$ 3.3810	\$ 5.4086	\$ 8.6575
64	\$ 2.9405	\$ 5.0486	\$ 7.4438	\$ 4.0711	\$ 6.0823	\$ 9.5978	\$ 3.0607	\$ 5.3897	\$ 9.1930
65	\$ 4.0432	\$ 5.3478	\$ 7.2125	\$ 3.3319	\$ 5.2207	\$ 7.5331	\$ 2.7538	\$ 5.3815	\$ 8.9459
66	\$ 3.0969	\$ 4.7986	\$ 9.0069	\$ 3.6256	\$ 4.8975	\$ 7.7993	\$ 2.6140	\$ 6.2675	\$ 10.5623
67	\$ 2.9088	\$ 5.6797	\$ 9.9159	\$ 2.7294	\$ 5.2232	\$ 8.1965	\$ 3.4168	\$ 5.7498	\$ 8.2364
68	\$ 3.5026	\$ 5.5709	\$ 7.8439	\$ 2.8657	\$ 6.2542	\$ 9.8299	\$ 3.2961	\$ 4.3515	\$ 7.3856
69	\$ 2.8810	\$ 5.0203	\$ 8.2424	\$ 2.9796	\$ 5.4502	\$ 8.1447	\$ 4.3246	\$ 6.0456	\$ 8.6552
70	\$ 3.0311	\$ 4.9330	\$ 7.5131	\$ 3.3791	\$ 5.9336	\$ 8.9873	\$ 3.3253	\$ 6.1278	\$ 9.4947
71	\$ 3.3824	\$ 5.2455	\$ 8.0257	\$ 3.3940	\$ 5.4932	\$ 8.0835	\$ 4.3101	\$ 6.4912	\$ 9.1652
72	\$ 2.6179	\$ 5.5583	\$ 9.4841	\$ 3.3393	\$ 5.8677	\$ 9.8359	\$ 2.6139	\$ 5.2695	\$ 9.6112
73	\$ 3.2891	\$ 6.1361	\$ 8.9736	\$ 2.6328	\$ 5.5670	\$ 8.0930	\$ 3.5166	\$ 5.9607	\$ 8.8365
74	\$ 3.2342	\$ 5.7104	\$ 9.5634	\$ 2.6145	\$ 5.4869	\$ 9.1890	\$ 2.6589	\$ 5.6163	\$ 10.4410
75	\$ 2.8912	\$ 5.3297	\$ 7.5917	\$ 2.8113	\$ 5.8097	\$ 10.0124	\$ 3.7412	\$ 6.1059	\$ 10.3721
76	\$ 3.2837	\$ 4.4537	\$ 6.3553	\$ 3.1768	\$ 5.6983	\$ 8.0833	\$ 3.1617	\$ 5.0810	\$ 6.7113
77	\$ 2.9757	\$ 5.5477	\$ 9.5634	\$ 3.5952	\$ 5.3008	\$ 9.0844	\$ 2.8242	\$ 5.2248	\$ 8.1326
78	\$ 3.2000	\$ 5.5103	\$ 9.5099	\$ 3.3127	\$ 5.1666	\$ 7.9349	\$ 2.5994	\$ 5.0360	\$ 9.1388
79	\$ 4.2927	\$ 5.8818	\$ 7.6335	\$ 3.2407	\$ 6.2073	\$ 9.7749	\$ 2.7285	\$ 5.4369	\$ 9.9291
80	\$ 2.7419	\$ 5.2567	\$ 9.5099	\$ 3.3815	\$ 5.9856	\$ 9.4589	\$ 3.4066	\$ 5.0144	\$ 8.3005
81	\$ 2.9441	\$ 5.5899	\$ 8.3039	\$ 2.5389	\$ 4.7574	\$ 6.0546	\$ 3.6631	\$ 5.1404	\$ 8.3387
82	\$ 3.6981	\$ 5.6084	\$ 7.3843	\$ 3.9707	\$ 5.2590	\$ 6.9067	\$ 2.6936	\$ 6.1583	\$ 10.5623
83	\$ 2.9518	\$ 5.0972	\$ 8.1012	\$ 2.8200	\$ 4.7788	\$ 7.2235	\$ 2.8671	\$ 6.0422	\$ 9.1251
84	\$ 2.8418	\$ 5.0623	\$ 7.1534	\$ 3.1971	\$ 5.0414	\$ 10.1367	\$ 3.3190	\$ 7.1056	\$ 10.5368
85	\$ 2.8448	\$ 5.6224	\$ 8.8780	\$ 3.1743	\$ 6.4327	\$ 9.2708	\$ 3.9496	\$ 5.6175	\$ 7.7637
86	\$ 2.9131	\$ 4.9872	\$ 8.4409	\$ 2.6226	\$ 5.0790	\$ 7.3972	\$ 4.6503	\$ 6.4718	\$ 9.3947
87	\$ 2.7726	\$ 4.4428	\$ 7.5054	\$ 4.1642	\$ 5.2097	\$ 7.1009	\$ 2.7538	\$ 5.3672	\$ 7.8485
88	\$ 2.8589	\$ 4.3906	\$ 7.5552	\$ 2.6399	\$ 5.1777	\$ 9.9455	\$ 2.8413	\$ 5.1399	\$ 8.2896
89	\$ 3.9581	\$ 6.0386	\$ 9.1941	\$ 2.8051	\$ 5.0598	\$ 7.6001	\$ 3.0902	\$ 4.4453	\$ 10.4390
90	\$ 2.8805	\$ 4.5933	\$ 6.2560	\$ 3.6293	\$ 4.7964	\$ 8.0608	\$ 5.1199	\$ 6.5823	\$ 9.9569
91	\$ 3.4217	\$ 4.9790	\$ 7.1649	\$ 4.0315	\$ 5.3033	\$ 7.0388	\$ 2.8024	\$ 5.1815	\$ 9.4902
92	\$ 2.7726	\$ 4.1894	\$ 6.8975	\$ 3.2995	\$ 5.3730	\$ 6.8534	\$ 3.7354	\$ 5.4232	\$ 9.5053
93	\$ 3.0142	\$ 4.8761	\$ 7.9863	\$ 3.4110	\$ 5.4282	\$ 10.0667	\$ 2.8407	\$ 5.1293	\$ 6.7863
94	\$ 2.6273	\$ 4.6493	\$ 7.5102	\$ 3.5573	\$ 6.3533	\$ 10.0875	\$ 2.5922	\$ 4.8275	\$ 6.0438
95	\$ 3.5089	\$ 4.9783	\$ 7.9776	\$ 2.9260	\$ 5.2858	\$ 6.4818	\$ 2.8165	\$ 5.3378	\$ 9.5556
96	\$ 2.7817	\$ 5.5100	\$ 7.7551	\$ 2.6145	\$ 5.0477	\$ 7.9198	\$ 3.0179	\$ 5.0938	\$ 6.9898
97	\$ 2.6177	\$ 3.8284	\$ 5.4851	\$ 2.8808	\$ 4.2940	\$ 6.7066	\$ 4.1946	\$ 5.5206	\$ 7.0184
98	\$ 2.8148	\$ 4.5166	\$ 6.4680	\$ 2.7502	\$ 5.1981	\$ 8.3623	\$ 2.8483	\$ 5.8653	\$ 9.1949
99	\$ 2.7829	\$ 5.4905	\$ 8.3763	\$ 3.5839	\$ 5.1305	\$ 7.1921	\$ 3.1028	\$ 5.8054	\$ 9.0213
100	\$ 3.2459	\$ 4.3523	\$ 6.5109	\$ 3.4157	\$ 5.0570	\$ 7.2811	\$ 3.8228	\$ 6.5343	\$ 10.4390

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2029			2030			2031		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 2.9124	\$ 5.5850	\$ 9.4915	\$ 3.1959	\$ 5.4314	\$ 9.2577	\$ 3.6946	\$ 5.8885	\$ 8.3793
102	\$ 2.8820	\$ 4.5398	\$ 6.6185	\$ 3.6750	\$ 5.2812	\$ 7.8161	\$ 2.8770	\$ 5.4794	\$ 9.5429
103	\$ 2.9200	\$ 5.2548	\$ 7.4119	\$ 3.9931	\$ 5.6656	\$ 9.3462	\$ 3.3707	\$ 5.4623	\$ 9.0907
104	\$ 3.8221	\$ 6.0132	\$ 9.5634	\$ 2.7502	\$ 6.1151	\$ 9.9616	\$ 3.1721	\$ 4.5271	\$ 6.0895
105	\$ 2.6177	\$ 5.4889	\$ 9.5301	\$ 3.4529	\$ 6.2535	\$ 9.9455	\$ 3.6720	\$ 5.5107	\$ 8.9280
106	\$ 2.7829	\$ 5.1261	\$ 7.2509	\$ 3.5038	\$ 5.1303	\$ 6.9090	\$ 3.7573	\$ 5.8533	\$ 9.6145
107	\$ 3.3610	\$ 5.4272	\$ 8.6773	\$ 2.5389	\$ 5.1382	\$ 8.7447	\$ 2.7538	\$ 5.4869	\$ 10.2925
108	\$ 3.9282	\$ 5.5142	\$ 7.3718	\$ 2.7825	\$ 4.4927	\$ 6.2754	\$ 2.9550	\$ 5.2411	\$ 7.6614
109	\$ 3.4331	\$ 4.5275	\$ 6.3580	\$ 3.2226	\$ 5.5345	\$ 7.5412	\$ 2.9659	\$ 5.2688	\$ 9.0624
110	\$ 3.9711	\$ 6.0043	\$ 9.5119	\$ 3.2658	\$ 5.6037	\$ 9.2586	\$ 3.7943	\$ 5.8055	\$ 8.6845
111	\$ 3.1528	\$ 4.7212	\$ 6.2274	\$ 2.7331	\$ 5.0967	\$ 7.7803	\$ 2.5228	\$ 5.9235	\$ 8.9703
112	\$ 2.8297	\$ 5.0652	\$ 8.6371	\$ 3.0950	\$ 5.6291	\$ 10.0124	\$ 4.3234	\$ 5.9949	\$ 8.5206
113	\$ 2.6273	\$ 4.9952	\$ 7.4253	\$ 2.8868	\$ 5.3420	\$ 7.2996	\$ 3.7056	\$ 5.8655	\$ 10.5194
114	\$ 2.6179	\$ 5.3002	\$ 8.9512	\$ 2.8113	\$ 4.7624	\$ 7.7671	\$ 2.8024	\$ 5.7676	\$ 10.5623
115	\$ 2.7817	\$ 5.0767	\$ 6.8672	\$ 2.8200	\$ 4.7936	\$ 7.6197	\$ 4.1833	\$ 5.9406	\$ 10.5368
116	\$ 2.8810	\$ 5.1228	\$ 8.4374	\$ 2.7499	\$ 5.8332	\$ 9.6589	\$ 3.4625	\$ 6.5434	\$ 10.5368
117	\$ 2.7053	\$ 5.4806	\$ 7.8146	\$ 3.2082	\$ 5.1733	\$ 10.0667	\$ 3.9277	\$ 5.1025	\$ 7.3987
118	\$ 2.8382	\$ 5.0673	\$ 9.5099	\$ 2.8113	\$ 4.6471	\$ 8.3058	\$ 3.1862	\$ 5.4341	\$ 8.3849
119	\$ 3.8605	\$ 5.5772	\$ 9.6204	\$ 2.7093	\$ 5.2333	\$ 9.0019	\$ 2.5228	\$ 4.5438	\$ 7.8826
120	\$ 3.5049	\$ 5.2398	\$ 9.5099	\$ 3.7696	\$ 6.3369	\$ 10.1367	\$ 3.6684	\$ 5.7932	\$ 10.4351
121	\$ 2.7726	\$ 5.1207	\$ 9.3263	\$ 2.6638	\$ 4.5964	\$ 6.9831	\$ 2.8223	\$ 4.3856	\$ 7.1879
122	\$ 2.7817	\$ 5.1053	\$ 7.0787	\$ 3.6838	\$ 5.5239	\$ 9.9608	\$ 3.1768	\$ 5.1266	\$ 8.9563
123	\$ 2.8728	\$ 5.0477	\$ 7.7156	\$ 3.1467	\$ 6.1159	\$ 9.7166	\$ 3.4110	\$ 5.0556	\$ 7.4422
124	\$ 3.5534	\$ 5.1861	\$ 7.9056	\$ 3.4037	\$ 5.3475	\$ 8.7540	\$ 3.2645	\$ 6.1711	\$ 8.6204
125	\$ 4.0010	\$ 6.4791	\$ 8.9458	\$ 3.1124	\$ 4.8064	\$ 6.7393	\$ 2.8407	\$ 5.9179	\$ 10.5194
126	\$ 2.8418	\$ 5.2505	\$ 8.1062	\$ 3.0635	\$ 5.0061	\$ 8.2774	\$ 4.4122	\$ 6.9974	\$ 10.3514
127	\$ 2.7607	\$ 5.7610	\$ 9.6513	\$ 3.2675	\$ 4.7129	\$ 6.9308	\$ 3.5101	\$ 5.4242	\$ 9.2953
128	\$ 2.5529	\$ 5.6045	\$ 8.8238	\$ 3.5008	\$ 6.0643	\$ 9.9455	\$ 3.5166	\$ 6.1362	\$ 9.9114
129	\$ 3.2407	\$ 5.2372	\$ 7.2950	\$ 2.7499	\$ 4.9839	\$ 8.4623	\$ 2.7604	\$ 5.0263	\$ 8.2277
130	\$ 3.4662	\$ 5.8526	\$ 8.6573	\$ 3.0630	\$ 5.3477	\$ 7.8064	\$ 3.4894	\$ 5.8831	\$ 8.8242
131	\$ 2.7074	\$ 5.5272	\$ 8.3738	\$ 3.5595	\$ 5.0645	\$ 7.2374	\$ 2.6936	\$ 5.9196	\$ 10.5194
132	\$ 2.6179	\$ 4.7639	\$ 8.4536	\$ 3.6184	\$ 5.1328	\$ 9.7499	\$ 2.7596	\$ 5.2339	\$ 7.1412
133	\$ 2.7726	\$ 4.3595	\$ 7.5755	\$ 2.9010	\$ 5.7676	\$ 10.3711	\$ 3.4098	\$ 5.9329	\$ 9.1501
134	\$ 4.0644	\$ 5.2158	\$ 7.1143	\$ 3.5766	\$ 5.3679	\$ 7.6231	\$ 2.8219	\$ 4.6892	\$ 7.1488
135	\$ 3.5020	\$ 6.3293	\$ 9.5634	\$ 2.8463	\$ 5.5457	\$ 9.5222	\$ 4.1242	\$ 6.6299	\$ 10.8480
136	\$ 2.6179	\$ 4.8307	\$ 9.4841	\$ 3.3298	\$ 5.6499	\$ 8.1122	\$ 3.5005	\$ 5.7920	\$ 8.5699
137	\$ 2.8468	\$ 4.7977	\$ 7.2255	\$ 4.0947	\$ 6.4194	\$ 10.3711	\$ 4.1156	\$ 5.8583	\$ 10.4759
138	\$ 3.9674	\$ 5.3277	\$ 6.6306	\$ 2.6669	\$ 5.2884	\$ 8.0877	\$ 3.0513	\$ 6.6228	\$ 9.8991
139	\$ 3.5019	\$ 5.4050	\$ 8.1099	\$ 3.8319	\$ 5.2661	\$ 8.6918	\$ 2.7130	\$ 6.5677	\$ 10.5224
140	\$ 3.0129	\$ 4.5134	\$ 8.4736	\$ 3.3501	\$ 6.1765	\$ 9.7360	\$ 3.1691	\$ 5.9494	\$ 9.9587
141	\$ 3.4160	\$ 6.1207	\$ 9.5634	\$ 3.1166	\$ 5.0856	\$ 7.5235	\$ 3.1135	\$ 5.2882	\$ 8.2265
142	\$ 3.4119	\$ 5.4639	\$ 7.8672	\$ 2.8200	\$ 4.5798	\$ 6.7087	\$ 2.5840	\$ 6.1467	\$ 10.4351
143	\$ 2.8119	\$ 4.4799	\$ 8.8836	\$ 3.0047	\$ 5.1202	\$ 8.0874	\$ 2.5922	\$ 5.4633	\$ 9.0889
144	\$ 4.2398	\$ 5.7876	\$ 7.8726	\$ 2.7165	\$ 4.7731	\$ 7.3485	\$ 3.5143	\$ 5.1979	\$ 9.5088
145	\$ 3.1019	\$ 4.9608	\$ 6.6821	\$ 2.6357	\$ 5.2068	\$ 9.0373	\$ 3.9203	\$ 5.3658	\$ 7.1800
146	\$ 2.6179	\$ 4.3944	\$ 7.9131	\$ 3.3846	\$ 5.3950	\$ 9.8698	\$ 3.2892	\$ 5.5779	\$ 8.1595
147	\$ 3.8843	\$ 5.3602	\$ 8.0786	\$ 2.7921	\$ 5.4668	\$ 8.0762	\$ 2.7538	\$ 5.2395	\$ 9.1895
148	\$ 3.7212	\$ 4.8304	\$ 6.8762	\$ 3.1240	\$ 4.9601	\$ 6.4319	\$ 3.1939	\$ 5.7115	\$ 9.7492
149	\$ 2.5315	\$ 4.5743	\$ 7.6390	\$ 3.3260	\$ 5.5609	\$ 8.4727	\$ 3.3113	\$ 4.7353	\$ 6.6062
150	\$ 3.2960	\$ 5.6926	\$ 7.6121	\$ 3.2666	\$ 5.2841	\$ 9.9608	\$ 3.7888	\$ 6.9924	\$ 10.5332

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2029			2030			2031		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 2.7423	\$ 5.0648	\$ 8.3491	\$ 2.7093	\$ 5.5878	\$ 9.9455	\$ 2.8854	\$ 4.9183	\$ 7.7772
152	\$ 3.2771	\$ 5.8203	\$ 8.9784	\$ 2.7705	\$ 5.8429	\$ 9.9751	\$ 2.9636	\$ 4.8491	\$ 8.0121
153	\$ 2.8262	\$ 5.1428	\$ 7.5358	\$ 3.9243	\$ 5.8371	\$ 10.0267	\$ 3.6004	\$ 5.1586	\$ 6.7420
154	\$ 3.2144	\$ 4.3419	\$ 5.9262	\$ 3.9570	\$ 6.4699	\$ 10.0875	\$ 2.8121	\$ 5.0524	\$ 8.9647
155	\$ 3.7902	\$ 5.4221	\$ 6.5688	\$ 3.0333	\$ 5.9109	\$ 8.1838	\$ 2.9870	\$ 5.3375	\$ 9.3423
156	\$ 2.6179	\$ 5.1369	\$ 9.3032	\$ 3.5108	\$ 5.8267	\$ 8.8242	\$ 2.7472	\$ 5.0664	\$ 7.8189
157	\$ 3.8767	\$ 5.8294	\$ 8.0307	\$ 2.7093	\$ 5.0947	\$ 8.7395	\$ 3.9250	\$ 5.4779	\$ 8.4554
158	\$ 3.8698	\$ 4.9263	\$ 5.8514	\$ 3.0261	\$ 4.5021	\$ 7.2014	\$ 3.2065	\$ 4.8507	\$ 7.3150
159	\$ 2.5529	\$ 4.6379	\$ 7.7439	\$ 2.7895	\$ 4.2789	\$ 6.2358	\$ 2.7753	\$ 5.5478	\$ 8.1590
160	\$ 2.6655	\$ 5.0029	\$ 7.9390	\$ 3.8352	\$ 6.1673	\$ 10.1117	\$ 3.2497	\$ 5.6639	\$ 8.7423
161	\$ 4.0777	\$ 6.1625	\$ 9.9159	\$ 3.5825	\$ 5.1260	\$ 8.6467	\$ 3.3006	\$ 5.0946	\$ 7.2805
162	\$ 2.8148	\$ 5.1321	\$ 7.5742	\$ 2.7093	\$ 5.0204	\$ 7.2201	\$ 3.2955	\$ 6.0507	\$ 10.5368
163	\$ 3.1467	\$ 5.7537	\$ 9.0014	\$ 2.8208	\$ 5.5717	\$ 8.9064	\$ 3.0367	\$ 5.2624	\$ 8.4356
164	\$ 2.8466	\$ 4.4040	\$ 6.1321	\$ 3.0684	\$ 6.0439	\$ 10.0267	\$ 2.8388	\$ 4.6570	\$ 6.2919
165	\$ 3.0027	\$ 5.1420	\$ 7.3491	\$ 2.5389	\$ 4.4763	\$ 7.3790	\$ 3.2749	\$ 5.4322	\$ 7.1527
166	\$ 3.1027	\$ 4.7454	\$ 7.8798	\$ 2.8200	\$ 5.7097	\$ 9.9455	\$ 3.0431	\$ 6.0757	\$ 10.0986
167	\$ 2.8810	\$ 5.3325	\$ 7.7336	\$ 2.7093	\$ 6.0825	\$ 9.5396	\$ 3.2859	\$ 5.4010	\$ 9.7864
168	\$ 2.9380	\$ 5.6974	\$ 7.7547	\$ 2.9597	\$ 4.5843	\$ 6.8643	\$ 3.2820	\$ 5.1359	\$ 7.1705
169	\$ 2.6892	\$ 5.6034	\$ 9.5099	\$ 2.6262	\$ 4.9089	\$ 8.4155	\$ 2.6331	\$ 6.3926	\$ 9.3613
170	\$ 3.0339	\$ 4.9952	\$ 8.9543	\$ 3.2580	\$ 5.5893	\$ 9.1440	\$ 3.0548	\$ 5.1971	\$ 8.5785
171	\$ 2.9515	\$ 4.7559	\$ 6.7625	\$ 2.7705	\$ 4.0520	\$ 5.9934	\$ 3.7856	\$ 5.7450	\$ 10.5368
172	\$ 3.6866	\$ 5.7959	\$ 9.5099	\$ 3.1829	\$ 5.7789	\$ 8.2532	\$ 2.7571	\$ 5.4979	\$ 9.2985
173	\$ 2.8223	\$ 5.0039	\$ 7.6640	\$ 2.6557	\$ 5.1604	\$ 10.3711	\$ 3.2919	\$ 4.8996	\$ 6.3724
174	\$ 2.7829	\$ 4.4977	\$ 6.5474	\$ 3.1153	\$ 5.8779	\$ 8.9207	\$ 3.0973	\$ 5.5219	\$ 9.2574
175	\$ 3.4771	\$ 5.5594	\$ 8.3264	\$ 2.7499	\$ 4.9573	\$ 7.7559	\$ 2.5922	\$ 5.3859	\$ 8.6325
176	\$ 3.1938	\$ 5.1229	\$ 7.2874	\$ 3.3997	\$ 5.9233	\$ 9.9455	\$ 2.8024	\$ 5.0482	\$ 8.0370
177	\$ 2.6273	\$ 5.0362	\$ 9.4841	\$ 2.6328	\$ 5.0097	\$ 7.2096	\$ 3.2461	\$ 5.2201	\$ 10.0860
178	\$ 3.1130	\$ 5.3877	\$ 9.2192	\$ 3.2303	\$ 5.2478	\$ 9.9903	\$ 2.6440	\$ 5.4294	\$ 9.7068
179	\$ 2.6883	\$ 4.5737	\$ 6.1052	\$ 2.5430	\$ 4.8684	\$ 9.3689	\$ 3.6545	\$ 6.2039	\$ 9.4295
180	\$ 2.9016	\$ 5.7528	\$ 8.7879	\$ 3.1121	\$ 5.9920	\$ 10.3711	\$ 3.0379	\$ 5.2626	\$ 10.3442
181	\$ 2.6892	\$ 5.4604	\$ 8.3505	\$ 3.8022	\$ 6.3149	\$ 9.6542	\$ 2.7571	\$ 5.5550	\$ 7.6346
182	\$ 3.6216	\$ 5.7880	\$ 8.0203	\$ 3.5686	\$ 4.6821	\$ 5.8903	\$ 2.6259	\$ 5.8938	\$ 8.5148
183	\$ 2.9992	\$ 4.6337	\$ 8.8761	\$ 2.8254	\$ 4.5284	\$ 6.3424	\$ 2.5745	\$ 4.9577	\$ 8.6367
184	\$ 3.4406	\$ 5.7818	\$ 8.4982	\$ 2.8246	\$ 5.8362	\$ 10.0124	\$ 2.7385	\$ 4.9684	\$ 9.2172
185	\$ 2.6273	\$ 5.5072	\$ 9.0950	\$ 2.7499	\$ 5.1381	\$ 7.4732	\$ 2.8354	\$ 4.5933	\$ 7.1201
186	\$ 3.4045	\$ 5.7844	\$ 8.6996	\$ 3.2309	\$ 6.1014	\$ 10.0124	\$ 2.9502	\$ 4.6458	\$ 6.9469
187	\$ 3.4641	\$ 5.6799	\$ 9.5634	\$ 3.2060	\$ 6.0254	\$ 8.8058	\$ 4.1969	\$ 5.6396	\$ 8.2529
188	\$ 2.7824	\$ 4.4726	\$ 6.6301	\$ 3.8941	\$ 5.2448	\$ 8.2872	\$ 2.5228	\$ 5.4694	\$ 8.5594
189	\$ 3.6489	\$ 5.2578	\$ 8.6767	\$ 3.5604	\$ 5.8755	\$ 10.1367	\$ 2.6416	\$ 5.4973	\$ 9.9517
190	\$ 2.8810	\$ 5.4010	\$ 8.7042	\$ 3.8150	\$ 5.8433	\$ 9.5694	\$ 3.8402	\$ 5.8836	\$ 9.1630
191	\$ 2.8609	\$ 5.5742	\$ 9.5680	\$ 2.6174	\$ 5.7372	\$ 10.3711	\$ 3.1668	\$ 5.9875	\$ 9.6834
192	\$ 3.0705	\$ 4.4472	\$ 6.5823	\$ 2.7093	\$ 5.3782	\$ 9.9814	\$ 2.9497	\$ 5.5508	\$ 9.1377
193	\$ 2.7927	\$ 4.9300	\$ 9.6141	\$ 2.9624	\$ 6.3179	\$ 10.0667	\$ 4.1931	\$ 6.1941	\$ 8.5903
194	\$ 3.3695	\$ 5.4418	\$ 9.6141	\$ 2.7705	\$ 5.4009	\$ 10.1367	\$ 3.2260	\$ 5.8687	\$ 10.4459
195	\$ 3.5487	\$ 6.1725	\$ 9.8765	\$ 2.6328	\$ 5.8913	\$ 9.7287	\$ 2.8190	\$ 5.1394	\$ 9.7144
196	\$ 2.8357	\$ 4.8874	\$ 7.1335	\$ 3.4104	\$ 6.4720	\$ 9.9455	\$ 3.1841	\$ 5.4006	\$ 10.4351
197	\$ 2.6177	\$ 4.5732	\$ 7.4767	\$ 2.8113	\$ 5.3400	\$ 9.5731	\$ 3.0607	\$ 4.9548	\$ 8.9628
198	\$ 2.8665	\$ 5.0848	\$ 7.4100	\$ 2.6145	\$ 5.7010	\$ 8.5063	\$ 2.6134	\$ 4.7652	\$ 6.6646
199	\$ 2.8810	\$ 5.3965	\$ 8.3701	\$ 3.1819	\$ 5.0600	\$ 9.0375	\$ 3.3445	\$ 5.3979	\$ 7.5937
200	\$ 2.7695	\$ 4.6785	\$ 6.9148	\$ 3.4369	\$ 4.5866	\$ 7.6275	\$ 2.7083	\$ 5.7384	\$ 10.5623
Min	\$ 2.5315	\$ 3.8284	\$ 5.4851	\$ 2.5389	\$ 4.0520	\$ 5.7444	\$ 2.5228	\$ 4.3515	\$ 6.0438
Average	\$ 3.0900	\$ 5.2116	\$ 8.0907	\$ 3.1534	\$ 5.4007	\$ 8.5563	\$ 3.1752	\$ 5.5709	\$ 8.9906
Max	\$ 4.2927	\$ 6.4791	\$ 9.9159	\$ 4.1642	\$ 6.5611	\$ 10.3711	\$ 5.1199	\$ 7.1056	\$ 10.8480

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2032			2033			2034		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 3.7548	\$ 5.3514	\$ 8.4551	\$ 3.5523	\$ 6.0295	\$ 8.3918	\$ 2.9660	\$ 5.2895	\$ 9.6882
2	\$ 2.7038	\$ 4.6074	\$ 7.1273	\$ 3.2853	\$ 6.2884	\$ 11.7211	\$ 3.9376	\$ 6.3599	\$ 10.8353
3	\$ 3.8805	\$ 6.2541	\$ 8.7757	\$ 3.9295	\$ 6.1077	\$ 11.3858	\$ 3.1335	\$ 6.0258	\$ 11.0304
4	\$ 2.5260	\$ 6.3025	\$ 10.9026	\$ 3.1109	\$ 5.4388	\$ 9.8915	\$ 3.0974	\$ 5.0218	\$ 7.9895
5	\$ 2.6145	\$ 6.3391	\$ 10.8954	\$ 3.2749	\$ 4.6131	\$ 8.4918	\$ 2.5890	\$ 5.8458	\$ 10.3072
6	\$ 2.9382	\$ 5.3928	\$ 9.8856	\$ 3.5221	\$ 5.7601	\$ 8.2307	\$ 3.4718	\$ 5.9462	\$ 9.4462
7	\$ 3.6672	\$ 5.3736	\$ 8.9326	\$ 3.8320	\$ 6.6322	\$ 11.4231	\$ 3.1084	\$ 5.7246	\$ 11.7579
8	\$ 3.2287	\$ 5.1886	\$ 9.2956	\$ 3.0212	\$ 6.3970	\$ 11.4402	\$ 2.4210	\$ 6.3751	\$ 10.1459
9	\$ 2.7038	\$ 5.1876	\$ 9.9634	\$ 3.4372	\$ 6.1743	\$ 11.7211	\$ 4.0206	\$ 5.0170	\$ 6.7991
10	\$ 3.2954	\$ 5.0438	\$ 8.9193	\$ 2.6438	\$ 4.9641	\$ 9.2504	\$ 2.6374	\$ 6.6604	\$ 11.9072
11	\$ 3.0318	\$ 5.2636	\$ 8.5656	\$ 3.3564	\$ 6.5843	\$ 10.5038	\$ 2.6235	\$ 6.0202	\$ 10.7152
12	\$ 3.1372	\$ 5.5197	\$ 10.2260	\$ 4.4913	\$ 6.7866	\$ 9.1892	\$ 3.7023	\$ 5.5176	\$ 7.5173
13	\$ 4.1703	\$ 6.4518	\$ 8.7981	\$ 2.4732	\$ 5.1432	\$ 7.2710	\$ 3.3319	\$ 5.6497	\$ 10.6627
14	\$ 2.9737	\$ 5.8285	\$ 10.8593	\$ 3.8937	\$ 6.4858	\$ 10.5113	\$ 3.3292	\$ 5.9050	\$ 9.3133
15	\$ 2.4384	\$ 4.1236	\$ 7.7145	\$ 4.1282	\$ 6.1417	\$ 11.3495	\$ 2.5814	\$ 4.8804	\$ 8.5935
16	\$ 2.4781	\$ 6.4318	\$ 10.9862	\$ 4.2387	\$ 5.7874	\$ 9.0223	\$ 3.2433	\$ 6.4293	\$ 12.1806
17	\$ 3.7265	\$ 7.0549	\$ 11.1957	\$ 2.5711	\$ 6.7397	\$ 11.2915	\$ 2.4225	\$ 5.6749	\$ 8.5120
18	\$ 3.1650	\$ 7.7765	\$ 11.3039	\$ 2.8854	\$ 5.4589	\$ 9.2541	\$ 2.8326	\$ 6.3967	\$ 9.8451
19	\$ 3.5844	\$ 5.5356	\$ 8.3481	\$ 2.4732	\$ 5.2073	\$ 7.7304	\$ 3.8386	\$ 5.6434	\$ 9.4231
20	\$ 3.7259	\$ 5.2863	\$ 7.0331	\$ 2.5711	\$ 5.4602	\$ 11.2103	\$ 3.1292	\$ 6.0721	\$ 11.5036
21	\$ 2.5358	\$ 5.0911	\$ 8.4804	\$ 3.4322	\$ 5.2907	\$ 6.8198	\$ 2.9879	\$ 6.5782	\$ 11.7278
22	\$ 3.4534	\$ 5.9812	\$ 9.2775	\$ 3.0999	\$ 4.7533	\$ 8.5001	\$ 2.9838	\$ 5.3156	\$ 7.3125
23	\$ 4.2802	\$ 7.2951	\$ 11.0458	\$ 4.5014	\$ 6.7052	\$ 11.1109	\$ 4.4430	\$ 6.6687	\$ 9.5303
24	\$ 2.6145	\$ 4.9175	\$ 8.7627	\$ 2.5711	\$ 6.0624	\$ 9.9227	\$ 3.6988	\$ 5.1256	\$ 8.2127
25	\$ 3.9350	\$ 6.7652	\$ 10.8514	\$ 3.0379	\$ 5.8957	\$ 9.9526	\$ 2.6405	\$ 5.3648	\$ 8.7541
26	\$ 2.9307	\$ 5.2891	\$ 7.6798	\$ 3.3503	\$ 5.7663	\$ 9.1685	\$ 3.1881	\$ 6.4256	\$ 10.0650
27	\$ 2.7648	\$ 5.4550	\$ 8.3298	\$ 4.0171	\$ 5.3192	\$ 8.4159	\$ 3.8383	\$ 5.6739	\$ 7.3398
28	\$ 2.9724	\$ 5.0044	\$ 9.9886	\$ 2.4176	\$ 5.6655	\$ 8.9701	\$ 3.5748	\$ 6.4562	\$ 10.3610
29	\$ 3.9925	\$ 6.5743	\$ 9.8764	\$ 2.7803	\$ 5.4307	\$ 9.3438	\$ 2.8320	\$ 5.1874	\$ 8.1036
30	\$ 3.8373	\$ 5.0349	\$ 8.9835	\$ 3.6582	\$ 5.8299	\$ 10.7887	\$ 3.5221	\$ 5.6619	\$ 9.1734
31	\$ 2.7109	\$ 4.4577	\$ 6.7853	\$ 2.8915	\$ 5.2250	\$ 7.8107	\$ 2.3662	\$ 5.7995	\$ 8.2359
32	\$ 2.5549	\$ 5.0897	\$ 9.9368	\$ 3.3588	\$ 5.4707	\$ 9.3487	\$ 3.1517	\$ 5.8255	\$ 11.6987
33	\$ 3.0533	\$ 4.9160	\$ 10.8731	\$ 2.8146	\$ 5.3430	\$ 11.4231	\$ 3.5619	\$ 6.7189	\$ 11.1693
34	\$ 3.7545	\$ 5.4778	\$ 8.2484	\$ 2.7356	\$ 5.6376	\$ 11.3116	\$ 3.3419	\$ 5.6223	\$ 8.5080
35	\$ 2.6759	\$ 5.0487	\$ 8.3670	\$ 2.7092	\$ 5.6788	\$ 10.7784	\$ 2.7167	\$ 5.5979	\$ 9.2763
36	\$ 3.2586	\$ 5.2543	\$ 7.2273	\$ 3.3124	\$ 5.8066	\$ 10.6257	\$ 3.7391	\$ 5.9705	\$ 10.4497
37	\$ 4.0799	\$ 5.7329	\$ 8.6908	\$ 3.1727	\$ 5.1579	\$ 8.8564	\$ 5.0802	\$ 7.2860	\$ 11.3339
38	\$ 3.3091	\$ 5.3553	\$ 7.8901	\$ 3.4608	\$ 5.4301	\$ 11.0344	\$ 2.5814	\$ 6.0229	\$ 11.3574
39	\$ 2.4384	\$ 4.8928	\$ 8.6286	\$ 2.6186	\$ 6.0401	\$ 11.7211	\$ 2.8006	\$ 5.3501	\$ 8.9158
40	\$ 4.0743	\$ 6.4150	\$ 10.8954	\$ 2.5117	\$ 5.1188	\$ 10.7609	\$ 2.9522	\$ 5.2281	\$ 8.2613
41	\$ 3.4205	\$ 6.0165	\$ 10.9862	\$ 3.7142	\$ 5.4528	\$ 9.1888	\$ 2.5690	\$ 5.6134	\$ 10.8677
42	\$ 3.4734	\$ 5.0012	\$ 8.3276	\$ 2.4176	\$ 6.0986	\$ 11.4402	\$ 2.6161	\$ 5.1820	\$ 10.6989
43	\$ 2.8988	\$ 5.5117	\$ 8.7909	\$ 3.2807	\$ 6.0637	\$ 9.7586	\$ 2.7103	\$ 6.0282	\$ 9.4606
44	\$ 3.6449	\$ 6.3395	\$ 8.9427	\$ 2.9680	\$ 6.0447	\$ 11.3074	\$ 2.5117	\$ 5.8819	\$ 11.3940
45	\$ 3.0336	\$ 6.1683	\$ 9.6515	\$ 2.4944	\$ 5.0810	\$ 8.7197	\$ 3.0430	\$ 5.8814	\$ 8.8686
46	\$ 2.7394	\$ 4.9904	\$ 8.4626	\$ 3.9785	\$ 5.3027	\$ 6.6857	\$ 3.9268	\$ 6.7524	\$ 11.1873
47	\$ 3.2782	\$ 4.8111	\$ 6.3292	\$ 3.5297	\$ 6.1355	\$ 9.6217	\$ 2.6778	\$ 5.6045	\$ 9.5741
48	\$ 2.8403	\$ 5.9790	\$ 10.6693	\$ 3.9972	\$ 6.4054	\$ 11.3063	\$ 3.3881	\$ 6.4009	\$ 11.7579
49	\$ 2.9002	\$ 5.7139	\$ 8.4149	\$ 2.9769	\$ 5.2546	\$ 10.3122	\$ 3.6803	\$ 6.3486	\$ 9.5024
50	\$ 3.4219	\$ 5.8542	\$ 7.5895	\$ 3.0623	\$ 5.2971	\$ 9.5036	\$ 2.9951	\$ 5.4520	\$ 11.4442

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2032			2033			2034		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 2.7633	\$ 6.1030	\$ 8.6008	\$ 2.6783	\$ 5.9623	\$ 8.5456	\$ 2.8363	\$ 5.7134	\$ 7.4543
52	\$ 2.5166	\$ 6.2589	\$ 9.8099	\$ 3.5415	\$ 6.0398	\$ 10.0705	\$ 2.8095	\$ 5.3039	\$ 11.7187
53	\$ 5.0944	\$ 5.9823	\$ 8.1653	\$ 3.3721	\$ 5.3781	\$ 8.8281	\$ 3.1820	\$ 5.9896	\$ 8.5149
54	\$ 3.7122	\$ 4.5730	\$ 6.7116	\$ 3.2019	\$ 6.2819	\$ 11.7211	\$ 3.6662	\$ 6.3976	\$ 11.1572
55	\$ 3.5232	\$ 5.4909	\$ 8.8608	\$ 3.1895	\$ 5.4464	\$ 9.6503	\$ 2.9054	\$ 5.7582	\$ 10.4435
56	\$ 2.5358	\$ 5.7786	\$ 8.1581	\$ 3.0512	\$ 5.5754	\$ 11.2161	\$ 3.8038	\$ 7.1295	\$ 9.6485
57	\$ 2.6844	\$ 5.8824	\$ 10.6856	\$ 4.7378	\$ 6.9271	\$ 10.0877	\$ 2.4311	\$ 5.2326	\$ 8.8543
58	\$ 3.5648	\$ 6.0143	\$ 10.8954	\$ 3.1933	\$ 5.4497	\$ 8.3865	\$ 3.2482	\$ 5.8219	\$ 10.2084
59	\$ 2.8486	\$ 4.9444	\$ 7.0863	\$ 2.4160	\$ 6.8448	\$ 10.6092	\$ 3.4285	\$ 6.4352	\$ 11.7193
60	\$ 3.3735	\$ 5.9125	\$ 9.8924	\$ 2.6947	\$ 5.7023	\$ 10.7218	\$ 2.5814	\$ 4.1707	\$ 7.4493
61	\$ 3.1568	\$ 6.9328	\$ 10.5637	\$ 2.8701	\$ 5.5635	\$ 10.9380	\$ 2.9980	\$ 6.4950	\$ 11.7444
62	\$ 3.0271	\$ 5.1924	\$ 9.2895	\$ 3.7730	\$ 6.0925	\$ 9.3819	\$ 2.9934	\$ 6.1015	\$ 9.6319
63	\$ 2.7038	\$ 5.4243	\$ 7.3397	\$ 2.8983	\$ 6.1282	\$ 10.1422	\$ 3.5907	\$ 5.5007	\$ 10.5899
64	\$ 3.7785	\$ 5.1248	\$ 7.3005	\$ 2.4870	\$ 5.6770	\$ 9.2602	\$ 2.4449	\$ 5.7542	\$ 11.8428
65	\$ 2.6866	\$ 4.6512	\$ 7.3713	\$ 2.4732	\$ 5.4531	\$ 9.7945	\$ 2.9438	\$ 6.4891	\$ 11.7591
66	\$ 3.3232	\$ 5.0910	\$ 8.0689	\$ 3.4083	\$ 5.1438	\$ 7.7737	\$ 3.8521	\$ 5.9636	\$ 10.6895
67	\$ 4.4669	\$ 5.7850	\$ 8.2897	\$ 2.6438	\$ 6.6067	\$ 11.7211	\$ 3.8674	\$ 6.2830	\$ 11.8121
68	\$ 2.5549	\$ 4.6870	\$ 6.8237	\$ 3.2091	\$ 5.5249	\$ 11.2377	\$ 3.2051	\$ 6.2113	\$ 11.7579
69	\$ 3.2156	\$ 5.3442	\$ 7.9842	\$ 2.7356	\$ 5.1698	\$ 9.7834	\$ 3.9669	\$ 5.6534	\$ 8.7127
70	\$ 2.5260	\$ 5.9574	\$ 10.7609	\$ 2.6183	\$ 5.6754	\$ 7.5703	\$ 4.5396	\$ 6.2190	\$ 8.0532
71	\$ 3.5745	\$ 5.6641	\$ 10.8436	\$ 3.6687	\$ 5.7465	\$ 9.2324	\$ 2.5954	\$ 6.2355	\$ 10.9587
72	\$ 2.7441	\$ 4.4495	\$ 7.1469	\$ 2.4732	\$ 6.1187	\$ 11.3074	\$ 3.2665	\$ 7.1798	\$ 11.8760
73	\$ 3.8339	\$ 6.4457	\$ 10.4376	\$ 2.7136	\$ 5.9492	\$ 9.2431	\$ 2.9066	\$ 6.0361	\$ 9.8080
74	\$ 3.3993	\$ 5.7512	\$ 9.5237	\$ 3.5654	\$ 5.4509	\$ 8.3454	\$ 2.3438	\$ 4.4985	\$ 6.0557
75	\$ 3.3863	\$ 6.2749	\$ 9.8304	\$ 3.4272	\$ 5.8154	\$ 10.2107	\$ 2.4449	\$ 5.7543	\$ 11.7027
76	\$ 2.4781	\$ 5.9037	\$ 9.1143	\$ 2.5470	\$ 5.0438	\$ 8.6182	\$ 2.5765	\$ 5.5810	\$ 10.0146
77	\$ 2.6521	\$ 5.2282	\$ 7.7402	\$ 2.6660	\$ 6.0179	\$ 11.3063	\$ 2.8016	\$ 4.9168	\$ 6.9427
78	\$ 3.2774	\$ 5.8477	\$ 7.9782	\$ 2.6438	\$ 5.3604	\$ 11.3116	\$ 3.1566	\$ 5.6043	\$ 7.9439
79	\$ 4.4778	\$ 7.1031	\$ 9.2142	\$ 3.4611	\$ 5.8280	\$ 9.2995	\$ 3.2162	\$ 6.5882	\$ 11.3491
80	\$ 3.4273	\$ 5.1807	\$ 7.3581	\$ 3.1023	\$ 6.1671	\$ 11.3063	\$ 3.7780	\$ 5.3667	\$ 7.1324
81	\$ 3.0418	\$ 5.5677	\$ 9.2905	\$ 3.5484	\$ 5.7297	\$ 11.3495	\$ 2.5977	\$ 7.1407	\$ 11.8009
82	\$ 2.7466	\$ 6.1943	\$ 8.8175	\$ 2.5711	\$ 6.8837	\$ 11.3116	\$ 3.1901	\$ 7.0424	\$ 11.8009
83	\$ 3.6775	\$ 6.4943	\$ 10.0857	\$ 3.0661	\$ 6.1364	\$ 10.6535	\$ 3.2297	\$ 5.1764	\$ 8.0803
84	\$ 2.6547	\$ 5.1689	\$ 7.7031	\$ 2.6438	\$ 4.9612	\$ 8.1573	\$ 2.5893	\$ 5.6286	\$ 8.5008
85	\$ 3.2512	\$ 6.2441	\$ 10.9862	\$ 3.0028	\$ 5.5506	\$ 10.7996	\$ 2.7556	\$ 6.4684	\$ 11.5451
86	\$ 3.2327	\$ 5.2212	\$ 9.5336	\$ 3.4579	\$ 5.1454	\$ 7.1383	\$ 2.9914	\$ 5.8133	\$ 11.1254
87	\$ 2.7434	\$ 5.5006	\$ 9.2577	\$ 3.3555	\$ 5.9593	\$ 10.8630	\$ 2.4962	\$ 5.6391	\$ 10.4601
88	\$ 2.5358	\$ 5.7653	\$ 8.2195	\$ 3.3082	\$ 5.3758	\$ 8.8939	\$ 4.7610	\$ 6.4152	\$ 11.8466
89	\$ 3.5099	\$ 5.8492	\$ 10.1654	\$ 3.9377	\$ 6.1891	\$ 11.3495	\$ 2.6536	\$ 5.7861	\$ 8.6655
90	\$ 2.9374	\$ 5.7320	\$ 8.3907	\$ 2.7786	\$ 4.9852	\$ 7.9700	\$ 4.4014	\$ 7.5664	\$ 12.1806
91	\$ 3.7360	\$ 5.7125	\$ 8.5748	\$ 3.8159	\$ 6.0470	\$ 8.7640	\$ 2.7665	\$ 5.7131	\$ 9.2220
92	\$ 2.9764	\$ 5.5583	\$ 9.9123	\$ 2.9410	\$ 5.4281	\$ 11.3063	\$ 2.8707	\$ 5.3263	\$ 10.1860
93	\$ 2.6145	\$ 5.0072	\$ 9.7034	\$ 2.9576	\$ 5.7031	\$ 9.5264	\$ 2.9632	\$ 5.2337	\$ 8.3509
94	\$ 2.6145	\$ 4.4175	\$ 7.1499	\$ 3.0520	\$ 5.5635	\$ 8.3619	\$ 2.7662	\$ 5.3660	\$ 9.5703
95	\$ 4.0028	\$ 6.0053	\$ 8.3331	\$ 2.7356	\$ 5.1323	\$ 7.4287	\$ 3.9267	\$ 7.0425	\$ 11.9072
96	\$ 4.3378	\$ 6.0707	\$ 9.6512	\$ 2.5721	\$ 5.1636	\$ 8.8837	\$ 4.4509	\$ 5.8505	\$ 9.3234
97	\$ 3.2548	\$ 5.3021	\$ 9.0523	\$ 3.6405	\$ 6.8115	\$ 10.6181	\$ 3.2319	\$ 7.0634	\$ 11.7278
98	\$ 4.0076	\$ 6.0956	\$ 10.9435	\$ 2.6830	\$ 5.8259	\$ 9.4591	\$ 2.5264	\$ 5.2828	\$ 8.4368
99	\$ 3.1386	\$ 5.4063	\$ 8.6553	\$ 2.7356	\$ 5.2763	\$ 9.9907	\$ 3.8734	\$ 6.3813	\$ 8.5160
100	\$ 3.4029	\$ 5.8884	\$ 11.0458	\$ 3.3850	\$ 5.4326	\$ 10.1252	\$ 3.6617	\$ 6.5933	\$ 11.8760

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2032			2033			2034		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 2.7281	\$ 5.3152	\$ 9.3427	\$ 3.8496	\$ 6.9537	\$ 10.6213	\$ 2.6986	\$ 6.3809	\$ 11.8121
102	\$ 4.0237	\$ 6.0841	\$ 11.0458	\$ 2.4160	\$ 4.8168	\$ 7.7282	\$ 3.8182	\$ 7.1656	\$ 11.5451
103	\$ 3.2575	\$ 5.8137	\$ 8.9070	\$ 3.0258	\$ 5.4745	\$ 8.8803	\$ 2.7902	\$ 5.6376	\$ 9.0121
104	\$ 3.2935	\$ 5.4624	\$ 7.8494	\$ 2.7034	\$ 5.9591	\$ 9.5662	\$ 2.3901	\$ 6.7042	\$ 11.8428
105	\$ 2.5802	\$ 5.4396	\$ 8.7157	\$ 2.8971	\$ 5.4001	\$ 10.9042	\$ 3.5950	\$ 5.8524	\$ 11.7027
106	\$ 3.7347	\$ 6.3096	\$ 10.9518	\$ 4.4113	\$ 5.8508	\$ 9.0326	\$ 3.1890	\$ 5.6320	\$ 9.6670
107	\$ 3.3498	\$ 6.3072	\$ 9.0366	\$ 2.7752	\$ 4.6701	\$ 8.1519	\$ 3.0866	\$ 5.3267	\$ 7.2845
108	\$ 3.3751	\$ 4.9001	\$ 6.6818	\$ 3.6763	\$ 6.2988	\$ 9.3236	\$ 3.5028	\$ 5.3412	\$ 7.9039
109	\$ 3.3732	\$ 7.0951	\$ 10.9862	\$ 2.8447	\$ 5.1136	\$ 11.0747	\$ 2.9244	\$ 5.8883	\$ 10.0021
110	\$ 3.1718	\$ 5.5689	\$ 10.1128	\$ 3.3443	\$ 5.1663	\$ 9.2491	\$ 2.3662	\$ 5.4709	\$ 8.2611
111	\$ 2.7466	\$ 5.7701	\$ 10.0604	\$ 3.1210	\$ 6.7564	\$ 11.3775	\$ 3.2941	\$ 5.7300	\$ 11.7187
112	\$ 2.7038	\$ 5.3114	\$ 10.9862	\$ 3.0367	\$ 5.2654	\$ 8.0697	\$ 3.4955	\$ 6.1525	\$ 10.0282
113	\$ 2.7726	\$ 5.5591	\$ 8.3842	\$ 2.8196	\$ 5.7190	\$ 8.0534	\$ 2.8305	\$ 5.3278	\$ 11.5451
114	\$ 2.7732	\$ 5.5185	\$ 8.1989	\$ 3.5964	\$ 6.2408	\$ 11.3074	\$ 3.1060	\$ 5.4948	\$ 11.7177
115	\$ 3.1028	\$ 6.6423	\$ 10.9862	\$ 2.6387	\$ 5.7728	\$ 11.3858	\$ 2.8779	\$ 6.2753	\$ 11.7354
116	\$ 3.2889	\$ 5.5410	\$ 8.0311	\$ 4.2610	\$ 5.8702	\$ 8.0663	\$ 3.6572	\$ 6.4611	\$ 9.3374
117	\$ 2.9009	\$ 4.9051	\$ 7.4936	\$ 3.6040	\$ 5.5445	\$ 8.7317	\$ 2.5740	\$ 5.6627	\$ 8.8576
118	\$ 2.7277	\$ 5.8053	\$ 10.9518	\$ 3.6648	\$ 6.1398	\$ 10.5889	\$ 3.0872	\$ 5.9672	\$ 11.7354
119	\$ 3.3751	\$ 6.0199	\$ 10.8731	\$ 3.3350	\$ 6.5650	\$ 11.4231	\$ 3.7118	\$ 5.9261	\$ 11.8760
120	\$ 2.4384	\$ 5.1299	\$ 9.6897	\$ 2.6339	\$ 5.0435	\$ 8.6480	\$ 3.7139	\$ 6.6286	\$ 11.8121
121	\$ 3.4029	\$ 5.9243	\$ 10.8514	\$ 3.2571	\$ 5.3889	\$ 9.2073	\$ 2.9649	\$ 5.6887	\$ 8.3409
122	\$ 2.6937	\$ 5.8150	\$ 9.8942	\$ 2.6731	\$ 5.2804	\$ 10.1588	\$ 3.3797	\$ 6.5464	\$ 8.9010
123	\$ 3.4007	\$ 6.2266	\$ 9.7315	\$ 3.1618	\$ 5.3568	\$ 9.5752	\$ 3.1883	\$ 5.7448	\$ 11.6819
124	\$ 3.9977	\$ 5.8072	\$ 8.4911	\$ 3.1825	\$ 5.8683	\$ 11.2058	\$ 2.8141	\$ 5.2965	\$ 11.7278
125	\$ 3.4178	\$ 5.8122	\$ 10.9926	\$ 2.6462	\$ 5.4668	\$ 10.2811	\$ 3.2523	\$ 6.1400	\$ 11.8760
126	\$ 3.9251	\$ 5.6546	\$ 10.8731	\$ 2.8305	\$ 5.3631	\$ 8.0248	\$ 3.2577	\$ 5.9903	\$ 10.2108
127	\$ 3.9615	\$ 6.0035	\$ 9.4784	\$ 3.2067	\$ 5.1593	\$ 7.4505	\$ 2.5605	\$ 5.1362	\$ 7.6583
128	\$ 2.9911	\$ 5.9845	\$ 10.9926	\$ 3.2548	\$ 5.2958	\$ 8.9033	\$ 2.5814	\$ 5.6801	\$ 11.7278
129	\$ 3.0894	\$ 5.1094	\$ 7.5244	\$ 4.4059	\$ 6.8555	\$ 11.3858	\$ 3.0250	\$ 5.3722	\$ 10.0346
130	\$ 2.6844	\$ 5.1260	\$ 7.8550	\$ 3.5994	\$ 5.9415	\$ 11.3495	\$ 3.2341	\$ 5.6275	\$ 9.4766
131	\$ 2.7107	\$ 5.8892	\$ 10.0477	\$ 2.6438	\$ 5.6217	\$ 11.3116	\$ 4.1961	\$ 7.2619	\$ 11.8760
132	\$ 2.7726	\$ 5.3363	\$ 9.1394	\$ 3.8814	\$ 6.0703	\$ 8.5930	\$ 3.5382	\$ 6.8855	\$ 11.5451
133	\$ 2.5358	\$ 5.0704	\$ 7.6588	\$ 3.4164	\$ 6.0793	\$ 10.4624	\$ 2.5117	\$ 6.4445	\$ 8.8019
134	\$ 2.6145	\$ 5.6889	\$ 8.0858	\$ 2.4870	\$ 5.8609	\$ 9.4444	\$ 3.2137	\$ 5.2758	\$ 8.3012
135	\$ 2.9419	\$ 5.3038	\$ 9.7374	\$ 5.2607	\$ 6.5364	\$ 9.6622	\$ 2.9936	\$ 6.0018	\$ 9.8236
136	\$ 3.2192	\$ 5.7454	\$ 10.6856	\$ 3.2872	\$ 5.8549	\$ 10.0511	\$ 2.8785	\$ 4.9106	\$ 6.8787
137	\$ 2.7823	\$ 5.4067	\$ 10.4876	\$ 2.7356	\$ 6.2299	\$ 10.6422	\$ 3.1914	\$ 6.8240	\$ 9.3204
138	\$ 3.4839	\$ 5.8300	\$ 10.0644	\$ 3.0726	\$ 5.2840	\$ 7.6945	\$ 3.0276	\$ 4.9609	\$ 7.8814
139	\$ 3.9003	\$ 6.3089	\$ 9.2903	\$ 3.6302	\$ 6.3212	\$ 10.9156	\$ 3.5684	\$ 5.4416	\$ 7.6854
140	\$ 3.1480	\$ 5.4275	\$ 11.0458	\$ 2.9064	\$ 6.3876	\$ 11.2405	\$ 3.5877	\$ 6.9327	\$ 11.8009
141	\$ 3.6116	\$ 5.2981	\$ 8.6619	\$ 2.7983	\$ 5.8119	\$ 10.1120	\$ 3.1845	\$ 7.3223	\$ 11.7278
142	\$ 3.2322	\$ 5.6551	\$ 10.8593	\$ 3.7370	\$ 5.5916	\$ 8.2913	\$ 3.3746	\$ 5.3088	\$ 9.1927
143	\$ 3.5151	\$ 6.7362	\$ 10.7369	\$ 3.5535	\$ 5.9030	\$ 8.8699	\$ 3.4845	\$ 5.7321	\$ 9.5042
144	\$ 3.1335	\$ 6.4119	\$ 9.7993	\$ 3.2644	\$ 5.6983	\$ 10.1091	\$ 3.4453	\$ 6.0092	\$ 11.7354
145	\$ 2.9569	\$ 4.8178	\$ 8.5735	\$ 2.9822	\$ 6.4731	\$ 10.9805	\$ 3.4918	\$ 7.1188	\$ 10.7608
146	\$ 3.6106	\$ 5.2622	\$ 9.7098	\$ 2.6387	\$ 5.7889	\$ 9.1226	\$ 2.6709	\$ 5.1250	\$ 7.8393
147	\$ 2.4384	\$ 6.1379	\$ 8.8924	\$ 3.2517	\$ 5.7141	\$ 8.5207	\$ 3.5428	\$ 6.3499	\$ 11.5451
148	\$ 3.3026	\$ 6.5557	\$ 9.6198	\$ 2.6679	\$ 6.2131	\$ 9.6419	\$ 2.5814	\$ 6.4341	\$ 11.7027
149	\$ 4.3031	\$ 6.2483	\$ 10.5317	\$ 3.4868	\$ 5.9792	\$ 8.7760	\$ 3.6575	\$ 6.0380	\$ 8.8474
150	\$ 3.3203	\$ 6.0002	\$ 8.8030	\$ 2.6919	\$ 6.4654	\$ 10.5179	\$ 3.0355	\$ 6.2293	\$ 10.7093

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2032			2033			2034		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 2.5424	\$ 5.8492	\$ 10.8514	\$ 2.9562	\$ 6.8044	\$ 11.3858	\$ 2.3662	\$ 5.4425	\$ 11.1443
152	\$ 2.8806	\$ 4.6215	\$ 7.3184	\$ 2.4207	\$ 7.0761	\$ 9.8753	\$ 3.2546	\$ 6.0216	\$ 8.2247
153	\$ 2.7042	\$ 6.9483	\$ 10.9862	\$ 3.2617	\$ 5.3869	\$ 8.4794	\$ 2.7176	\$ 5.6600	\$ 10.6651
154	\$ 3.1513	\$ 5.8580	\$ 11.0458	\$ 4.2345	\$ 7.6984	\$ 11.1109	\$ 3.2850	\$ 6.1931	\$ 9.7961
155	\$ 2.6994	\$ 5.0377	\$ 7.5433	\$ 2.9655	\$ 5.3940	\$ 9.6028	\$ 3.2389	\$ 5.5506	\$ 11.3736
156	\$ 2.5358	\$ 5.1357	\$ 8.8443	\$ 3.0955	\$ 5.4086	\$ 8.4638	\$ 3.4715	\$ 5.8910	\$ 11.4076
157	\$ 2.6145	\$ 5.7513	\$ 9.2491	\$ 3.9532	\$ 6.3680	\$ 9.0650	\$ 4.4219	\$ 6.2559	\$ 8.9466
158	\$ 2.5347	\$ 5.8501	\$ 10.8483	\$ 2.8103	\$ 5.6950	\$ 8.3018	\$ 2.6374	\$ 5.9941	\$ 11.6057
159	\$ 3.7178	\$ 5.7732	\$ 10.9926	\$ 3.3691	\$ 4.9284	\$ 6.7024	\$ 2.9234	\$ 6.6043	\$ 11.5925
160	\$ 2.6058	\$ 6.3656	\$ 10.8483	\$ 2.5774	\$ 5.2557	\$ 9.9878	\$ 2.6161	\$ 6.1859	\$ 8.4930
161	\$ 3.7651	\$ 5.5802	\$ 10.0972	\$ 2.4870	\$ 6.4261	\$ 10.6797	\$ 3.0506	\$ 6.1885	\$ 11.5451
162	\$ 3.4504	\$ 5.9180	\$ 9.1971	\$ 3.0990	\$ 7.1437	\$ 11.3495	\$ 2.7413	\$ 5.8543	\$ 11.8121
163	\$ 3.8705	\$ 6.0859	\$ 10.9862	\$ 2.7356	\$ 5.3421	\$ 10.4509	\$ 3.0520	\$ 5.9900	\$ 11.3553
164	\$ 3.2546	\$ 5.6938	\$ 10.2217	\$ 2.6941	\$ 5.5811	\$ 8.0314	\$ 3.2698	\$ 6.2576	\$ 11.8009
165	\$ 3.8422	\$ 6.1949	\$ 8.8893	\$ 3.7771	\$ 4.9651	\$ 6.5892	\$ 3.8145	\$ 6.5755	\$ 8.9643
166	\$ 3.1634	\$ 6.1699	\$ 10.8483	\$ 3.9333	\$ 6.2336	\$ 11.3495	\$ 3.0491	\$ 6.2174	\$ 10.7455
167	\$ 3.2467	\$ 5.4958	\$ 8.3476	\$ 3.5213	\$ 5.1864	\$ 9.0580	\$ 2.4475	\$ 5.7050	\$ 8.6881
168	\$ 2.9965	\$ 5.3681	\$ 10.0067	\$ 2.8645	\$ 5.3262	\$ 9.3310	\$ 3.7042	\$ 5.9725	\$ 7.7466
169	\$ 2.7726	\$ 5.7321	\$ 11.0458	\$ 2.7922	\$ 5.6093	\$ 10.7776	\$ 2.6941	\$ 6.1520	\$ 11.8009
170	\$ 4.1200	\$ 6.1638	\$ 9.1324	\$ 2.4732	\$ 5.5466	\$ 11.1306	\$ 3.2504	\$ 5.8592	\$ 8.5288
171	\$ 3.1202	\$ 5.7517	\$ 10.8954	\$ 3.7283	\$ 6.7041	\$ 11.1847	\$ 2.9733	\$ 5.6875	\$ 10.4498
172	\$ 2.5940	\$ 4.6596	\$ 8.0172	\$ 2.5711	\$ 5.9464	\$ 11.2915	\$ 3.1774	\$ 5.3815	\$ 8.5922
173	\$ 2.7043	\$ 5.9959	\$ 8.8133	\$ 4.0579	\$ 5.9960	\$ 8.5095	\$ 3.6447	\$ 5.7377	\$ 8.8505
174	\$ 3.1190	\$ 6.6137	\$ 10.8731	\$ 2.7356	\$ 5.5434	\$ 10.5883	\$ 4.3280	\$ 7.0658	\$ 11.7579
175	\$ 3.2608	\$ 6.3807	\$ 9.3717	\$ 3.3291	\$ 5.5040	\$ 11.7211	\$ 2.4210	\$ 4.9921	\$ 9.1823
176	\$ 2.4957	\$ 6.6400	\$ 11.0458	\$ 3.7712	\$ 5.8124	\$ 10.7019	\$ 3.9394	\$ 6.4298	\$ 10.3388
177	\$ 2.8220	\$ 5.0024	\$ 6.9860	\$ 2.4732	\$ 5.2530	\$ 9.3790	\$ 3.2662	\$ 6.2855	\$ 10.5486
178	\$ 3.2051	\$ 5.7932	\$ 8.4764	\$ 2.8030	\$ 5.4327	\$ 8.4375	\$ 2.6221	\$ 5.0784	\$ 9.9086
179	\$ 2.6804	\$ 5.5282	\$ 10.8514	\$ 3.1511	\$ 5.0600	\$ 11.2897	\$ 2.9187	\$ 6.5278	\$ 11.7278
180	\$ 2.5358	\$ 5.8878	\$ 9.8421	\$ 2.7899	\$ 6.3456	\$ 10.2142	\$ 2.5826	\$ 5.9103	\$ 8.9358
181	\$ 3.4321	\$ 6.7431	\$ 10.1635	\$ 2.4870	\$ 5.1175	\$ 9.8371	\$ 2.4171	\$ 6.4549	\$ 11.6888
182	\$ 2.4781	\$ 5.5941	\$ 9.5860	\$ 3.2479	\$ 6.0289	\$ 11.3116	\$ 3.1779	\$ 5.4175	\$ 7.9520
183	\$ 3.6988	\$ 5.4636	\$ 8.9964	\$ 3.3140	\$ 5.7922	\$ 8.5895	\$ 3.9837	\$ 6.8790	\$ 10.1379
184	\$ 2.6844	\$ 5.6987	\$ 7.8007	\$ 4.6796	\$ 6.4612	\$ 8.9674	\$ 3.3016	\$ 6.2060	\$ 8.4646
185	\$ 2.4384	\$ 5.4322	\$ 9.9269	\$ 3.2832	\$ 4.6620	\$ 7.3032	\$ 2.5814	\$ 5.4977	\$ 8.1894
186	\$ 2.8443	\$ 4.9165	\$ 6.3444	\$ 2.4732	\$ 5.8865	\$ 8.9299	\$ 3.1530	\$ 6.2783	\$ 9.2121
187	\$ 3.2301	\$ 5.5093	\$ 8.9492	\$ 2.7729	\$ 5.3286	\$ 9.2407	\$ 4.0902	\$ 7.0681	\$ 11.8009
188	\$ 2.6014	\$ 5.9369	\$ 11.2149	\$ 4.1825	\$ 7.1405	\$ 11.2957	\$ 3.2196	\$ 7.0091	\$ 11.1866
189	\$ 3.2010	\$ 5.8295	\$ 10.1747	\$ 2.4870	\$ 5.4796	\$ 10.6469	\$ 2.3214	\$ 5.3163	\$ 10.1872
190	\$ 3.7570	\$ 5.9349	\$ 9.4626	\$ 4.0912	\$ 6.0224	\$ 9.3506	\$ 3.4614	\$ 5.7001	\$ 10.0168
191	\$ 3.7909	\$ 6.6041	\$ 10.9518	\$ 2.4176	\$ 5.4657	\$ 7.7735	\$ 3.2219	\$ 5.6830	\$ 9.0038
192	\$ 3.2707	\$ 7.1317	\$ 10.1264	\$ 2.7041	\$ 5.4024	\$ 8.2180	\$ 2.5196	\$ 4.7876	\$ 9.2953
193	\$ 2.5260	\$ 5.3339	\$ 8.8058	\$ 3.2182	\$ 5.7402	\$ 9.4438	\$ 4.3228	\$ 6.3126	\$ 10.5652
194	\$ 2.9580	\$ 5.9845	\$ 9.9277	\$ 3.2127	\$ 4.9191	\$ 7.9487	\$ 3.8982	\$ 6.2139	\$ 8.7381
195	\$ 2.9110	\$ 5.8469	\$ 9.9569	\$ 2.7751	\$ 7.2937	\$ 11.1216	\$ 3.0598	\$ 6.0771	\$ 10.8236
196	\$ 2.8882	\$ 5.5739	\$ 10.1992	\$ 3.2819	\$ 5.6582	\$ 8.3324	\$ 2.9839	\$ 5.9282	\$ 11.5845
197	\$ 3.1907	\$ 4.9930	\$ 8.0783	\$ 3.4797	\$ 5.8601	\$ 11.2915	\$ 3.7401	\$ 6.4244	\$ 11.8760
198	\$ 3.9047	\$ 5.3570	\$ 7.6245	\$ 3.0455	\$ 5.4430	\$ 11.0121	\$ 3.0003	\$ 6.7150	\$ 10.4845
199	\$ 3.0327	\$ 5.2321	\$ 8.0126	\$ 2.6660	\$ 5.5342	\$ 8.3793	\$ 2.4210	\$ 5.4273	\$ 11.0538
200	\$ 2.7042	\$ 5.5913	\$ 10.2331	\$ 2.8834	\$ 4.6650	\$ 10.1252	\$ 3.4150	\$ 6.4712	\$ 10.9001
Min	\$ 2.4384	\$ 4.1236	\$ 6.3292	\$ 2.4160	\$ 4.6131	\$ 6.5892	\$ 2.3214	\$ 4.1707	\$ 6.0557
Average	\$ 3.1685	\$ 5.6929	\$ 9.3095	\$ 3.1631	\$ 5.7688	\$ 9.7660	\$ 3.1697	\$ 5.9639	\$ 10.0679
Max	\$ 5.0944	\$ 7.7765	\$ 11.3039	\$ 5.2607	\$ 7.6984	\$ 11.7211	\$ 5.0802	\$ 7.5664	\$ 12.1806

Appendix G
 Monte Carlo NYMEX Price
 Results in \$/MMBtu

Draw	2035			2036			2037		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
1	\$ 3.3955	\$ 6.4536	\$ 11.4553	\$ 3.8379	\$ 6.7298	\$ 8.7300	\$ 3.6716	\$ 6.7485	\$ 12.2122
2	\$ 2.8243	\$ 5.4152	\$ 8.0573	\$ 3.1621	\$ 5.7561	\$ 8.0949	\$ 2.6878	\$ 5.6635	\$ 10.8146
3	\$ 3.4338	\$ 5.8673	\$ 12.2214	\$ 4.0149	\$ 7.2735	\$ 12.7852	\$ 3.5687	\$ 7.5632	\$ 12.0618
4	\$ 3.9884	\$ 6.6135	\$ 9.1821	\$ 4.0937	\$ 6.8107	\$ 12.2754	\$ 3.4904	\$ 6.2136	\$ 10.7074
5	\$ 3.4754	\$ 5.3282	\$ 10.4941	\$ 4.0621	\$ 7.4451	\$ 12.6902	\$ 3.9565	\$ 7.0734	\$ 12.1625
6	\$ 2.5107	\$ 6.7016	\$ 12.2383	\$ 3.0044	\$ 5.7243	\$ 8.1845	\$ 2.7209	\$ 6.4138	\$ 10.6582
7	\$ 2.9733	\$ 6.3200	\$ 10.6946	\$ 2.6183	\$ 5.7276	\$ 8.4885	\$ 3.7070	\$ 6.0807	\$ 7.8006
8	\$ 4.1710	\$ 6.6547	\$ 11.8281	\$ 3.5907	\$ 6.3481	\$ 12.4813	\$ 4.1382	\$ 6.0341	\$ 8.8450
9	\$ 2.5860	\$ 6.4378	\$ 12.6464	\$ 3.9071	\$ 7.3509	\$ 12.7852	\$ 2.3139	\$ 5.5538	\$ 11.1807
10	\$ 2.6071	\$ 6.2321	\$ 12.3323	\$ 4.1315	\$ 7.1071	\$ 11.1147	\$ 3.3958	\$ 6.6008	\$ 12.4627
11	\$ 3.1041	\$ 6.9214	\$ 11.9549	\$ 3.3381	\$ 6.0139	\$ 8.9135	\$ 3.6846	\$ 6.5729	\$ 11.8031
12	\$ 3.8962	\$ 7.3488	\$ 12.3759	\$ 3.1135	\$ 6.2665	\$ 11.2317	\$ 2.3564	\$ 6.0296	\$ 11.2550
13	\$ 3.5501	\$ 6.0694	\$ 10.0655	\$ 3.1366	\$ 6.6484	\$ 12.7126	\$ 2.8450	\$ 5.6952	\$ 8.5900
14	\$ 3.6972	\$ 7.0494	\$ 12.2102	\$ 2.5523	\$ 6.3301	\$ 12.7491	\$ 3.9352	\$ 6.5815	\$ 11.6045
15	\$ 3.7423	\$ 6.4537	\$ 10.4127	\$ 2.4547	\$ 6.8516	\$ 11.2142	\$ 3.4861	\$ 5.9798	\$ 8.6589
16	\$ 3.0327	\$ 7.8416	\$ 12.3323	\$ 2.6836	\$ 6.0718	\$ 12.1933	\$ 3.1004	\$ 6.4622	\$ 10.3382
17	\$ 2.6302	\$ 6.7471	\$ 11.9224	\$ 2.4324	\$ 6.6632	\$ 10.7844	\$ 2.8203	\$ 6.0690	\$ 8.9032
18	\$ 2.6950	\$ 6.6932	\$ 12.3759	\$ 2.9320	\$ 6.0621	\$ 8.7599	\$ 2.2967	\$ 5.5496	\$ 8.9477
19	\$ 3.1376	\$ 5.7591	\$ 7.0467	\$ 3.2297	\$ 6.6155	\$ 9.6860	\$ 2.6308	\$ 5.3206	\$ 7.4506
20	\$ 3.8056	\$ 5.7593	\$ 8.8626	\$ 2.8480	\$ 6.7564	\$ 10.0188	\$ 3.3030	\$ 7.5771	\$ 12.7760
21	\$ 3.1804	\$ 6.6717	\$ 11.0770	\$ 2.7981	\$ 5.0404	\$ 8.4095	\$ 3.1177	\$ 5.2946	\$ 11.2957
22	\$ 3.3121	\$ 5.5157	\$ 7.7624	\$ 2.3309	\$ 5.8079	\$ 11.1757	\$ 3.3020	\$ 6.8090	\$ 13.1525
23	\$ 2.6052	\$ 5.7603	\$ 11.9414	\$ 3.7308	\$ 6.1326	\$ 9.6882	\$ 3.3484	\$ 5.9595	\$ 10.2087
24	\$ 2.6587	\$ 6.1716	\$ 9.9419	\$ 2.4324	\$ 6.1244	\$ 11.3974	\$ 3.2366	\$ 5.8171	\$ 8.9966
25	\$ 3.2280	\$ 6.1614	\$ 9.2650	\$ 3.1361	\$ 6.0515	\$ 12.0758	\$ 2.9017	\$ 7.3300	\$ 13.2832
26	\$ 3.2639	\$ 5.5119	\$ 11.2481	\$ 2.7775	\$ 5.7892	\$ 9.7552	\$ 4.6253	\$ 7.2392	\$ 10.6733
27	\$ 4.2031	\$ 6.3681	\$ 9.6657	\$ 4.2558	\$ 6.6752	\$ 9.7020	\$ 2.7555	\$ 5.8677	\$ 10.2168
28	\$ 2.9588	\$ 4.6100	\$ 8.0460	\$ 3.4011	\$ 5.7510	\$ 9.6755	\$ 2.6420	\$ 6.1572	\$ 13.1838
29	\$ 2.7944	\$ 5.9012	\$ 8.8103	\$ 3.7467	\$ 5.9714	\$ 8.7263	\$ 3.3885	\$ 7.2602	\$ 12.5610
30	\$ 3.0774	\$ 5.3201	\$ 11.0641	\$ 3.7178	\$ 6.8293	\$ 12.3784	\$ 3.6713	\$ 5.7504	\$ 8.7204
31	\$ 2.9005	\$ 6.9729	\$ 11.2691	\$ 2.6795	\$ 5.5164	\$ 9.9254	\$ 3.2264	\$ 5.7048	\$ 9.5507
32	\$ 3.8171	\$ 6.0393	\$ 12.3139	\$ 2.7958	\$ 5.6308	\$ 10.9677	\$ 3.1249	\$ 6.4270	\$ 13.1525
33	\$ 2.5107	\$ 5.3779	\$ 9.1359	\$ 3.6862	\$ 7.4527	\$ 10.5155	\$ 2.8866	\$ 5.2958	\$ 9.1359
34	\$ 3.5031	\$ 5.1093	\$ 6.9000	\$ 3.6867	\$ 7.0984	\$ 12.7491	\$ 2.6542	\$ 6.5213	\$ 10.2242
35	\$ 4.1129	\$ 5.6650	\$ 8.1337	\$ 2.6836	\$ 6.5881	\$ 10.8322	\$ 3.2501	\$ 5.6586	\$ 8.1512
36	\$ 2.4531	\$ 7.0689	\$ 12.3323	\$ 3.8052	\$ 6.6683	\$ 9.0874	\$ 2.8557	\$ 6.2861	\$ 13.3315
37	\$ 2.7707	\$ 6.9576	\$ 12.2383	\$ 3.8380	\$ 6.4142	\$ 10.3245	\$ 2.4145	\$ 5.7600	\$ 13.3315
38	\$ 3.3678	\$ 5.7690	\$ 12.2969	\$ 3.7569	\$ 5.8663	\$ 10.2692	\$ 3.7215	\$ 7.3306	\$ 13.2832
39	\$ 3.7908	\$ 6.0299	\$ 9.2430	\$ 3.5280	\$ 6.1005	\$ 10.1117	\$ 3.0225	\$ 5.5736	\$ 8.5416
40	\$ 2.4103	\$ 5.5523	\$ 9.3084	\$ 2.9048	\$ 5.4417	\$ 11.7735	\$ 2.6226	\$ 6.5588	\$ 10.1973
41	\$ 3.4190	\$ 7.3095	\$ 12.2102	\$ 4.3670	\$ 7.5182	\$ 12.7126	\$ 2.5848	\$ 5.6113	\$ 8.7850
42	\$ 3.7453	\$ 6.0340	\$ 7.9551	\$ 4.1657	\$ 6.3013	\$ 9.9848	\$ 2.5530	\$ 6.7316	\$ 13.3192
43	\$ 3.7560	\$ 5.7574	\$ 7.5469	\$ 3.5375	\$ 6.4538	\$ 8.4784	\$ 2.4042	\$ 5.1154	\$ 8.4603
44	\$ 3.2224	\$ 5.3338	\$ 10.2959	\$ 2.5804	\$ 6.3062	\$ 12.8190	\$ 3.8111	\$ 7.0576	\$ 13.3315
45	\$ 2.4248	\$ 6.1912	\$ 9.7380	\$ 3.6792	\$ 7.6467	\$ 13.1538	\$ 2.7737	\$ 6.3607	\$ 11.7116
46	\$ 3.4029	\$ 7.8552	\$ 12.2102	\$ 3.6361	\$ 5.4853	\$ 7.0642	\$ 3.4183	\$ 5.9586	\$ 13.2832
47	\$ 2.4248	\$ 5.6136	\$ 8.3754	\$ 4.2056	\$ 6.0375	\$ 10.0229	\$ 2.4145	\$ 6.2037	\$ 12.3813
48	\$ 2.7541	\$ 5.4475	\$ 9.7900	\$ 2.4368	\$ 5.7900	\$ 12.7852	\$ 3.5199	\$ 5.4290	\$ 7.4632
49	\$ 2.8345	\$ 6.5009	\$ 10.9177	\$ 3.6628	\$ 7.0495	\$ 10.5779	\$ 3.5860	\$ 5.6326	\$ 10.3852
50	\$ 2.4531	\$ 6.2870	\$ 9.5978	\$ 2.3866	\$ 5.5364	\$ 12.7179	\$ 2.7514	\$ 6.7424	\$ 12.1770

Draw	2035			2036			2036		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
51	\$ 2.6579	\$ 7.0207	\$ 12.3139	\$ 2.7605	\$ 5.8623	\$ 9.6927	\$ 3.6657	\$ 5.7512	\$ 10.0464
52	\$ 3.1466	\$ 6.2111	\$ 11.4778	\$ 2.5921	\$ 6.1544	\$ 9.3786	\$ 3.1310	\$ 6.7101	\$ 12.2533
53	\$ 2.4531	\$ 5.4637	\$ 11.6828	\$ 2.8378	\$ 5.4425	\$ 9.4382	\$ 2.9224	\$ 6.6203	\$ 13.2438
54	\$ 2.6488	\$ 6.7027	\$ 11.6891	\$ 2.6245	\$ 6.1221	\$ 11.7603	\$ 2.6226	\$ 6.0270	\$ 8.7450
55	\$ 2.5860	\$ 5.0594	\$ 9.0621	\$ 3.0434	\$ 5.2523	\$ 9.7903	\$ 2.4120	\$ 6.6688	\$ 12.5579
56	\$ 2.5860	\$ 5.0321	\$ 7.9056	\$ 3.3819	\$ 5.1904	\$ 12.6904	\$ 3.3728	\$ 5.2207	\$ 8.1535
57	\$ 4.2748	\$ 6.9152	\$ 12.2383	\$ 3.8401	\$ 6.3236	\$ 9.9699	\$ 2.8900	\$ 5.5559	\$ 12.9174
58	\$ 3.4925	\$ 6.2825	\$ 9.0332	\$ 3.1713	\$ 6.3947	\$ 11.9740	\$ 4.4686	\$ 6.5143	\$ 10.1998
59	\$ 3.2159	\$ 5.6603	\$ 9.1618	\$ 3.2609	\$ 5.4351	\$ 9.1705	\$ 5.1270	\$ 7.7341	\$ 10.9606
60	\$ 3.4088	\$ 5.9483	\$ 9.6487	\$ 4.0534	\$ 6.2579	\$ 12.1978	\$ 3.0165	\$ 4.8547	\$ 7.2376
61	\$ 3.2347	\$ 7.3548	\$ 11.6290	\$ 3.7944	\$ 5.9953	\$ 11.9199	\$ 2.9260	\$ 5.3996	\$ 11.6082
62	\$ 3.3419	\$ 6.1085	\$ 9.6390	\$ 2.6484	\$ 7.3803	\$ 13.1538	\$ 3.1984	\$ 6.4462	\$ 13.1783
63	\$ 2.7146	\$ 6.1380	\$ 11.1112	\$ 4.7556	\$ 6.5357	\$ 10.9519	\$ 3.2136	\$ 5.5987	\$ 10.2242
64	\$ 2.6088	\$ 5.3024	\$ 12.0066	\$ 3.2525	\$ 7.4298	\$ 10.7984	\$ 3.0018	\$ 6.9111	\$ 12.9236
65	\$ 2.9315	\$ 6.8772	\$ 12.2797	\$ 2.5097	\$ 5.7827	\$ 9.8630	\$ 3.6877	\$ 7.5120	\$ 13.2438
66	\$ 3.2338	\$ 6.2472	\$ 12.6464	\$ 2.6484	\$ 6.4806	\$ 12.8559	\$ 4.3501	\$ 7.0111	\$ 11.2185
67	\$ 2.6683	\$ 6.2257	\$ 10.4188	\$ 2.6030	\$ 6.7078	\$ 12.8559	\$ 2.3873	\$ 6.0668	\$ 9.0690
68	\$ 3.2929	\$ 6.5771	\$ 10.6496	\$ 3.5531	\$ 5.7097	\$ 9.3318	\$ 3.2506	\$ 6.4717	\$ 11.8254
69	\$ 2.4755	\$ 5.6633	\$ 10.2285	\$ 2.4257	\$ 7.1763	\$ 12.7831	\$ 3.0311	\$ 6.3104	\$ 9.4269
70	\$ 3.2771	\$ 6.0393	\$ 10.9924	\$ 2.5134	\$ 6.0312	\$ 9.6445	\$ 3.0736	\$ 6.3706	\$ 10.8175
71	\$ 2.5860	\$ 5.7653	\$ 9.9100	\$ 3.2442	\$ 6.4295	\$ 10.2165	\$ 3.3718	\$ 5.8548	\$ 9.3054
72	\$ 3.6298	\$ 5.7507	\$ 10.0906	\$ 3.8290	\$ 7.5378	\$ 12.7831	\$ 2.5530	\$ 6.0761	\$ 8.7287
73	\$ 3.6753	\$ 6.7891	\$ 9.4133	\$ 2.6795	\$ 6.2544	\$ 9.5445	\$ 3.8739	\$ 7.1848	\$ 10.5836
74	\$ 3.1514	\$ 5.9131	\$ 9.3582	\$ 2.8727	\$ 5.0399	\$ 8.3426	\$ 3.6704	\$ 5.5516	\$ 10.5826
75	\$ 3.5154	\$ 6.1558	\$ 10.1718	\$ 3.8662	\$ 6.8400	\$ 11.9237	\$ 3.0581	\$ 6.1879	\$ 11.9517
76	\$ 2.5549	\$ 5.6291	\$ 7.9926	\$ 3.2975	\$ 6.5099	\$ 9.8190	\$ 2.5672	\$ 5.8265	\$ 12.2153
77	\$ 3.6897	\$ 6.4123	\$ 11.4296	\$ 2.3731	\$ 5.7194	\$ 8.8960	\$ 3.0053	\$ 5.5828	\$ 8.1060
78	\$ 2.8184	\$ 5.5079	\$ 12.2797	\$ 3.3286	\$ 5.6962	\$ 12.7179	\$ 3.1802	\$ 6.4938	\$ 13.2052
79	\$ 3.4799	\$ 6.5977	\$ 12.6464	\$ 4.0202	\$ 6.4127	\$ 11.2667	\$ 2.6226	\$ 6.1735	\$ 8.9375
80	\$ 3.8497	\$ 6.3629	\$ 8.3161	\$ 2.5134	\$ 5.4956	\$ 7.7848	\$ 4.1749	\$ 7.4329	\$ 13.2832
81	\$ 3.2521	\$ 5.0789	\$ 7.9220	\$ 4.2726	\$ 7.7317	\$ 12.7126	\$ 3.6287	\$ 6.5109	\$ 12.6347
82	\$ 3.9695	\$ 7.3005	\$ 10.3428	\$ 3.9715	\$ 6.5551	\$ 12.0093	\$ 3.6413	\$ 5.9095	\$ 10.9644
83	\$ 3.3998	\$ 6.2704	\$ 8.8084	\$ 2.9728	\$ 6.3777	\$ 9.2363	\$ 2.5672	\$ 5.8601	\$ 12.3447
84	\$ 3.0670	\$ 6.3331	\$ 12.3323	\$ 2.8110	\$ 5.8398	\$ 9.7172	\$ 2.8861	\$ 6.1954	\$ 10.8663
85	\$ 3.5671	\$ 7.2156	\$ 10.8477	\$ 2.6484	\$ 5.5545	\$ 8.7784	\$ 2.8251	\$ 6.2083	\$ 13.2832
86	\$ 3.5290	\$ 6.1407	\$ 10.9209	\$ 2.9547	\$ 5.9982	\$ 10.8025	\$ 2.7181	\$ 5.4718	\$ 9.2101
87	\$ 3.6716	\$ 7.3363	\$ 12.6464	\$ 4.1659	\$ 6.9384	\$ 10.0518	\$ 2.6724	\$ 6.5181	\$ 11.7837
88	\$ 2.6088	\$ 7.0901	\$ 12.6464	\$ 3.0663	\$ 7.1559	\$ 12.4214	\$ 2.7790	\$ 5.8025	\$ 12.4993
89	\$ 2.4103	\$ 5.0536	\$ 8.1254	\$ 3.6909	\$ 6.6407	\$ 9.9158	\$ 3.0550	\$ 6.4760	\$ 10.1109
90	\$ 3.5512	\$ 7.0722	\$ 10.0249	\$ 4.2153	\$ 6.7586	\$ 12.7491	\$ 2.6226	\$ 7.3986	\$ 13.1487
91	\$ 4.9880	\$ 7.1034	\$ 11.5734	\$ 2.6795	\$ 7.2043	\$ 12.0434	\$ 2.9917	\$ 6.1000	\$ 13.1154
92	\$ 3.3319	\$ 6.0899	\$ 12.5396	\$ 3.5631	\$ 6.0737	\$ 9.1926	\$ 3.5246	\$ 7.5142	\$ 13.1525
93	\$ 3.2148	\$ 6.9767	\$ 12.2102	\$ 3.2831	\$ 7.3513	\$ 12.6902	\$ 3.4853	\$ 6.4085	\$ 10.1432
94	\$ 3.9439	\$ 5.7223	\$ 12.0204	\$ 3.5294	\$ 6.8294	\$ 12.1423	\$ 3.4886	\$ 6.2815	\$ 9.3347
95	\$ 3.1270	\$ 6.3172	\$ 12.2969	\$ 2.9450	\$ 7.7186	\$ 12.4813	\$ 2.8994	\$ 6.1145	\$ 9.9872
96	\$ 2.6579	\$ 6.3205	\$ 11.2233	\$ 2.6836	\$ 6.7369	\$ 12.6904	\$ 4.2841	\$ 7.2012	\$ 10.7982
97	\$ 3.5157	\$ 5.9904	\$ 11.5299	\$ 3.5674	\$ 6.5067	\$ 10.2888	\$ 3.1474	\$ 6.6721	\$ 10.4018
98	\$ 3.3667	\$ 5.8952	\$ 9.3703	\$ 2.5921	\$ 6.7034	\$ 9.4185	\$ 2.5370	\$ 7.1510	\$ 13.1487
99	\$ 2.8405	\$ 5.5059	\$ 12.3584	\$ 2.4324	\$ 6.5682	\$ 12.3883	\$ 2.7288	\$ 5.6475	\$ 8.6180
100	\$ 3.4900	\$ 6.4081	\$ 8.7015	\$ 5.0486	\$ 7.5520	\$ 12.6902	\$ 3.1146	\$ 5.3577	\$ 8.3201

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2035			2036			2036		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
101	\$ 3.1223	\$ 6.6043	\$ 12.3584	\$ 4.0177	\$ 7.1469	\$ 12.6902	\$ 3.5959	\$ 5.6370	\$ 9.1910
102	\$ 3.8665	\$ 5.9591	\$ 10.5949	\$ 2.9649	\$ 5.5163	\$ 11.0580	\$ 3.7469	\$ 6.9245	\$ 11.5144
103	\$ 2.7822	\$ 6.7150	\$ 12.2969	\$ 4.5860	\$ 6.9588	\$ 12.4813	\$ 3.0725	\$ 6.3028	\$ 10.0866
104	\$ 2.5107	\$ 5.0703	\$ 8.2115	\$ 4.0198	\$ 6.4933	\$ 10.0843	\$ 3.0808	\$ 7.0463	\$ 11.0987
105	\$ 2.7702	\$ 6.7536	\$ 11.6890	\$ 3.0925	\$ 6.7410	\$ 11.1448	\$ 2.6226	\$ 5.8732	\$ 10.8379
106	\$ 4.1631	\$ 7.1146	\$ 12.3584	\$ 4.0085	\$ 6.3720	\$ 13.1538	\$ 3.5016	\$ 7.7285	\$ 13.1783
107	\$ 2.4103	\$ 5.5269	\$ 9.8111	\$ 2.5241	\$ 5.3991	\$ 10.8154	\$ 3.6687	\$ 7.8716	\$ 13.2438
108	\$ 4.7713	\$ 6.5691	\$ 8.1621	\$ 2.6484	\$ 5.5608	\$ 8.7083	\$ 3.3911	\$ 7.3500	\$ 12.9264
109	\$ 3.7986	\$ 6.4237	\$ 12.3584	\$ 2.5134	\$ 5.6604	\$ 8.0786	\$ 2.5618	\$ 6.7661	\$ 12.0257
110	\$ 2.8266	\$ 5.5251	\$ 12.3759	\$ 2.8914	\$ 6.1449	\$ 12.7491	\$ 2.6411	\$ 5.5094	\$ 10.5453
111	\$ 2.6088	\$ 6.4536	\$ 12.3323	\$ 2.5876	\$ 6.4901	\$ 13.1538	\$ 2.7715	\$ 6.3102	\$ 9.4827
112	\$ 2.4103	\$ 5.6385	\$ 9.0374	\$ 3.4614	\$ 5.8678	\$ 10.0740	\$ 3.6587	\$ 6.2871	\$ 11.3948
113	\$ 3.5267	\$ 5.9551	\$ 11.0100	\$ 4.6544	\$ 7.5313	\$ 11.5309	\$ 2.4914	\$ 6.1785	\$ 10.3153
114	\$ 3.3924	\$ 5.5325	\$ 11.0199	\$ 2.5921	\$ 5.1752	\$ 8.1861	\$ 3.1225	\$ 5.9829	\$ 12.3732
115	\$ 2.6545	\$ 6.3961	\$ 12.3584	\$ 3.6560	\$ 6.8397	\$ 10.3228	\$ 3.2606	\$ 6.1414	\$ 11.5389
116	\$ 2.8001	\$ 5.9044	\$ 12.3139	\$ 2.5134	\$ 6.3653	\$ 10.1851	\$ 4.6761	\$ 7.5157	\$ 10.7418
117	\$ 2.4103	\$ 4.7684	\$ 9.3709	\$ 3.3303	\$ 6.5857	\$ 9.4669	\$ 2.6635	\$ 7.3179	\$ 10.9579
118	\$ 4.2379	\$ 5.9497	\$ 11.8641	\$ 3.0845	\$ 6.4546	\$ 12.6904	\$ 2.3927	\$ 5.9256	\$ 12.9264
119	\$ 2.6464	\$ 5.3295	\$ 10.0155	\$ 3.4538	\$ 6.7632	\$ 11.1936	\$ 4.3175	\$ 6.7332	\$ 11.3501
120	\$ 3.5549	\$ 5.8340	\$ 7.6983	\$ 3.2373	\$ 5.9545	\$ 12.7852	\$ 3.0240	\$ 6.4325	\$ 11.2670
121	\$ 3.4464	\$ 6.2802	\$ 10.1531	\$ 3.1682	\$ 6.0823	\$ 11.1185	\$ 4.3178	\$ 6.6872	\$ 10.0752
122	\$ 2.4261	\$ 5.7758	\$ 12.3139	\$ 3.9534	\$ 5.9005	\$ 9.3046	\$ 3.7344	\$ 7.1887	\$ 13.2490
123	\$ 2.6051	\$ 6.0460	\$ 11.5616	\$ 2.5134	\$ 6.1389	\$ 10.7368	\$ 3.3821	\$ 6.4699	\$ 13.2490
124	\$ 2.7377	\$ 7.1101	\$ 11.5718	\$ 2.9987	\$ 7.1677	\$ 12.8662	\$ 3.2028	\$ 6.5477	\$ 10.6596
125	\$ 3.4294	\$ 6.3452	\$ 9.0705	\$ 2.9393	\$ 5.5559	\$ 12.0672	\$ 3.8484	\$ 6.7402	\$ 13.2490
126	\$ 3.1511	\$ 5.7334	\$ 11.8807	\$ 4.3199	\$ 6.3833	\$ 9.7976	\$ 2.4145	\$ 5.6786	\$ 10.1121
127	\$ 2.7125	\$ 7.5646	\$ 12.0204	\$ 3.9541	\$ 7.3682	\$ 12.7852	\$ 3.6828	\$ 6.5857	\$ 10.9779
128	\$ 2.6088	\$ 6.5386	\$ 9.6429	\$ 2.9259	\$ 6.1896	\$ 11.0200	\$ 3.9503	\$ 6.7423	\$ 12.7787
129	\$ 3.2418	\$ 6.2907	\$ 12.2383	\$ 3.0782	\$ 5.7922	\$ 8.7171	\$ 2.4582	\$ 6.6141	\$ 10.8842
130	\$ 3.5316	\$ 6.3102	\$ 8.5418	\$ 2.5134	\$ 6.7613	\$ 10.8451	\$ 2.6226	\$ 4.8147	\$ 8.1198
131	\$ 3.1657	\$ 6.6536	\$ 11.3498	\$ 3.7578	\$ 5.6312	\$ 12.7491	\$ 3.4496	\$ 5.8052	\$ 13.1783
132	\$ 3.9715	\$ 5.8455	\$ 9.5438	\$ 3.2849	\$ 6.0808	\$ 12.8559	\$ 5.2383	\$ 6.9525	\$ 10.1318
133	\$ 3.7158	\$ 6.6906	\$ 10.5720	\$ 2.9461	\$ 5.9999	\$ 10.3553	\$ 3.3031	\$ 6.1795	\$ 10.1436
134	\$ 3.7778	\$ 6.5690	\$ 12.3759	\$ 3.8197	\$ 6.7158	\$ 12.7852	\$ 3.1500	\$ 6.7453	\$ 10.7918
135	\$ 2.6302	\$ 6.7806	\$ 12.3323	\$ 3.1679	\$ 5.5616	\$ 10.5068	\$ 3.1270	\$ 5.7686	\$ 11.1873
136	\$ 3.3499	\$ 6.2972	\$ 9.9666	\$ 3.1177	\$ 5.4310	\$ 8.3758	\$ 4.2942	\$ 7.7221	\$ 13.6230
137	\$ 3.7535	\$ 6.4034	\$ 10.0359	\$ 2.4257	\$ 5.5376	\$ 12.7126	\$ 3.3557	\$ 5.3939	\$ 8.5320
138	\$ 3.3896	\$ 6.5384	\$ 12.2520	\$ 2.4968	\$ 6.8361	\$ 11.1746	\$ 3.1701	\$ 5.8701	\$ 12.8819
139	\$ 3.3677	\$ 6.8650	\$ 12.3139	\$ 2.9712	\$ 7.2608	\$ 12.4813	\$ 2.7327	\$ 6.5759	\$ 11.8244
140	\$ 3.3101	\$ 5.0172	\$ 7.2809	\$ 2.5724	\$ 6.2046	\$ 12.7831	\$ 3.5408	\$ 6.6536	\$ 11.5677
141	\$ 2.5860	\$ 5.8533	\$ 11.0089	\$ 2.9963	\$ 6.0042	\$ 10.8105	\$ 2.6951	\$ 6.9693	\$ 12.5718
142	\$ 4.6718	\$ 7.9768	\$ 12.3039	\$ 2.9843	\$ 6.4269	\$ 12.6481	\$ 4.5572	\$ 7.4260	\$ 12.3048
143	\$ 2.8763	\$ 5.9611	\$ 10.2744	\$ 2.4324	\$ 7.0287	\$ 12.6412	\$ 2.9143	\$ 5.2199	\$ 7.6796
144	\$ 4.0512	\$ 7.4899	\$ 10.9771	\$ 3.3029	\$ 6.9145	\$ 13.0468	\$ 3.5335	\$ 6.2137	\$ 12.0451
145	\$ 2.9833	\$ 5.7204	\$ 12.2520	\$ 3.1288	\$ 6.3299	\$ 10.2601	\$ 4.2262	\$ 6.9925	\$ 12.8367
146	\$ 2.7515	\$ 6.6303	\$ 10.1254	\$ 2.9544	\$ 5.2407	\$ 10.0860	\$ 3.5309	\$ 7.1772	\$ 10.1307
147	\$ 2.7621	\$ 6.4416	\$ 11.4256	\$ 4.1353	\$ 6.8636	\$ 10.9645	\$ 2.4120	\$ 5.8747	\$ 9.3497
148	\$ 3.1074	\$ 5.7808	\$ 12.2383	\$ 2.6762	\$ 6.5482	\$ 9.6328	\$ 2.6020	\$ 6.4066	\$ 10.1544
149	\$ 3.3002	\$ 6.2385	\$ 9.3532	\$ 2.9325	\$ 5.0232	\$ 6.6975	\$ 3.7754	\$ 6.9900	\$ 10.7218
150	\$ 3.9111	\$ 6.9551	\$ 11.8484	\$ 2.9114	\$ 5.8430	\$ 10.4165	\$ 3.5659	\$ 7.2114	\$ 13.1487

Appendix G
Monte Carlo NYMEX Price
Results in \$/MMBtu

Draw	2035			2036			2036		
	Min	Average	Max	Min	Average	Max	Min	Average	Max
151	\$ 3.5095	\$ 6.4162	\$ 10.4296	\$ 3.2474	\$ 5.3062	\$ 7.9140	\$ 2.4042	\$ 6.6947	\$ 13.3192
152	\$ 2.5107	\$ 4.7991	\$ 7.7274	\$ 3.6452	\$ 6.2983	\$ 9.6392	\$ 3.0711	\$ 6.1502	\$ 11.4253
153	\$ 3.7690	\$ 7.1014	\$ 9.2050	\$ 3.8826	\$ 5.8628	\$ 9.3312	\$ 3.3655	\$ 6.1707	\$ 7.7434
154	\$ 3.9256	\$ 5.8552	\$ 9.9257	\$ 3.2820	\$ 7.6803	\$ 12.8190	\$ 2.5818	\$ 7.5692	\$ 13.2490
155	\$ 3.5657	\$ 6.5910	\$ 10.4264	\$ 3.2263	\$ 6.2737	\$ 13.1538	\$ 3.0861	\$ 6.0886	\$ 9.8607
156	\$ 2.6538	\$ 6.9234	\$ 11.0805	\$ 3.4016	\$ 7.3493	\$ 13.1538	\$ 2.4042	\$ 5.7478	\$ 9.5833
157	\$ 3.5074	\$ 5.7222	\$ 7.6837	\$ 2.6618	\$ 5.9840	\$ 12.8190	\$ 3.0048	\$ 6.0838	\$ 9.8726
158	\$ 3.5562	\$ 6.5697	\$ 9.1167	\$ 2.6484	\$ 5.5481	\$ 8.1928	\$ 3.4669	\$ 7.2844	\$ 12.7603
159	\$ 2.6579	\$ 5.4149	\$ 12.3584	\$ 2.6901	\$ 6.4372	\$ 12.7852	\$ 3.2921	\$ 6.5008	\$ 13.3315
160	\$ 3.1710	\$ 5.7936	\$ 12.3323	\$ 2.4368	\$ 5.1073	\$ 8.9256	\$ 4.7723	\$ 6.6284	\$ 10.1724
161	\$ 2.6915	\$ 6.7496	\$ 11.6066	\$ 3.2146	\$ 6.5487	\$ 9.4379	\$ 2.8087	\$ 6.4332	\$ 9.1122
162	\$ 3.1966	\$ 5.4434	\$ 7.6145	\$ 2.7538	\$ 6.2098	\$ 12.8559	\$ 3.1454	\$ 6.0392	\$ 9.3900
163	\$ 3.7937	\$ 6.6162	\$ 9.2342	\$ 2.5804	\$ 5.7589	\$ 9.4407	\$ 2.6630	\$ 5.9098	\$ 13.1783
164	\$ 3.0559	\$ 6.3488	\$ 11.0593	\$ 3.0320	\$ 6.4239	\$ 9.4813	\$ 3.2544	\$ 6.5131	\$ 12.1736
165	\$ 3.0981	\$ 6.5528	\$ 12.0204	\$ 2.9487	\$ 6.8849	\$ 12.6743	\$ 3.7781	\$ 6.9301	\$ 9.7100
166	\$ 4.1283	\$ 5.8718	\$ 10.0895	\$ 3.5255	\$ 6.1926	\$ 9.8914	\$ 3.6616	\$ 7.1618	\$ 12.9264
167	\$ 3.8438	\$ 5.9659	\$ 11.3700	\$ 3.7987	\$ 6.2799	\$ 10.0717	\$ 3.3469	\$ 6.5409	\$ 9.2683
168	\$ 3.4138	\$ 6.9068	\$ 12.2102	\$ 2.8358	\$ 6.2575	\$ 9.6045	\$ 3.7931	\$ 6.5590	\$ 10.3662
169	\$ 3.9768	\$ 6.2415	\$ 8.0451	\$ 2.5740	\$ 5.9953	\$ 12.5151	\$ 3.1175	\$ 5.8353	\$ 9.0822
170	\$ 3.8566	\$ 6.4247	\$ 9.2934	\$ 2.9726	\$ 5.9445	\$ 10.9743	\$ 3.3057	\$ 6.0797	\$ 13.1525
171	\$ 3.3416	\$ 5.9014	\$ 11.3969	\$ 4.0090	\$ 7.2475	\$ 11.7380	\$ 2.7160	\$ 5.9203	\$ 11.7715
172	\$ 3.5759	\$ 6.5650	\$ 12.1790	\$ 2.4509	\$ 4.5470	\$ 9.1212	\$ 3.2483	\$ 5.8698	\$ 8.9173
173	\$ 3.1860	\$ 7.0102	\$ 11.0615	\$ 2.5722	\$ 5.4821	\$ 10.9668	\$ 2.6727	\$ 6.5942	\$ 9.8722
174	\$ 3.3908	\$ 5.7371	\$ 9.8726	\$ 3.8997	\$ 6.9437	\$ 12.7179	\$ 4.0353	\$ 7.1982	\$ 10.5004
175	\$ 2.3557	\$ 5.2379	\$ 8.4460	\$ 3.0996	\$ 6.2825	\$ 10.3355	\$ 2.6880	\$ 6.1429	\$ 12.1743
176	\$ 3.0117	\$ 6.1646	\$ 9.1068	\$ 3.4285	\$ 6.3049	\$ 12.7325	\$ 5.7119	\$ 8.4639	\$ 13.1783
177	\$ 2.6302	\$ 5.0621	\$ 7.1762	\$ 2.4451	\$ 4.9252	\$ 8.3534	\$ 2.5672	\$ 5.5362	\$ 10.3968
178	\$ 2.6088	\$ 6.3173	\$ 12.6464	\$ 2.4715	\$ 4.7271	\$ 6.6624	\$ 3.2031	\$ 6.8233	\$ 13.1716
179	\$ 4.2714	\$ 6.9410	\$ 12.2102	\$ 2.6836	\$ 5.5407	\$ 9.9861	\$ 3.2829	\$ 7.2592	\$ 13.1783
180	\$ 2.4011	\$ 5.3300	\$ 8.4240	\$ 3.4266	\$ 7.1871	\$ 12.8559	\$ 2.8560	\$ 6.3451	\$ 11.4731
181	\$ 3.5246	\$ 5.8605	\$ 9.0187	\$ 3.6514	\$ 5.8608	\$ 8.9998	\$ 2.4145	\$ 5.7699	\$ 11.3884
182	\$ 3.2662	\$ 6.3915	\$ 12.2214	\$ 3.0881	\$ 6.1830	\$ 11.1171	\$ 4.4905	\$ 7.1954	\$ 10.7871
183	\$ 2.6393	\$ 4.9228	\$ 9.5702	\$ 2.6731	\$ 7.9275	\$ 12.8662	\$ 3.0309	\$ 6.7005	\$ 11.1639
184	\$ 3.0123	\$ 5.4860	\$ 8.0161	\$ 4.1363	\$ 5.7618	\$ 7.8858	\$ 2.6226	\$ 6.0434	\$ 11.6708
185	\$ 2.6950	\$ 6.2242	\$ 9.8110	\$ 2.8908	\$ 6.4082	\$ 10.0368	\$ 2.7883	\$ 6.1818	\$ 11.5007
186	\$ 3.1473	\$ 7.0092	\$ 11.1309	\$ 4.4689	\$ 6.5672	\$ 11.2444	\$ 2.5464	\$ 7.6788	\$ 13.6230
187	\$ 2.9742	\$ 6.3763	\$ 12.3139	\$ 3.3413	\$ 6.7348	\$ 11.1726	\$ 3.3094	\$ 5.8474	\$ 13.3192
188	\$ 2.8946	\$ 5.2733	\$ 6.9509	\$ 2.8129	\$ 6.1694	\$ 12.3838	\$ 3.2333	\$ 6.4019	\$ 12.2284
189	\$ 2.4825	\$ 6.7614	\$ 12.2383	\$ 2.9041	\$ 5.5438	\$ 8.4454	\$ 3.1474	\$ 8.2073	\$ 12.9027
190	\$ 2.8192	\$ 5.1238	\$ 7.3369	\$ 2.3374	\$ 6.3101	\$ 8.6866	\$ 2.4914	\$ 7.7433	\$ 13.2438
191	\$ 2.8574	\$ 5.6095	\$ 9.6440	\$ 3.8426	\$ 6.6467	\$ 12.7831	\$ 3.0413	\$ 6.3241	\$ 13.1525
192	\$ 3.6406	\$ 6.5015	\$ 9.7406	\$ 3.1231	\$ 6.5925	\$ 12.4741	\$ 3.2796	\$ 6.1502	\$ 12.1592
193	\$ 3.4491	\$ 5.8191	\$ 10.3641	\$ 3.0232	\$ 6.0953	\$ 10.3580	\$ 2.2902	\$ 5.6049	\$ 11.1334
194	\$ 2.8508	\$ 5.4589	\$ 9.9023	\$ 4.2491	\$ 6.1928	\$ 11.2638	\$ 3.2589	\$ 7.3903	\$ 12.5624
195	\$ 2.6020	\$ 5.0843	\$ 8.7576	\$ 2.4257	\$ 5.7290	\$ 10.2155	\$ 3.1405	\$ 5.6869	\$ 8.6915
196	\$ 2.5630	\$ 4.9263	\$ 7.9579	\$ 2.6674	\$ 6.4154	\$ 11.8748	\$ 2.6271	\$ 6.3663	\$ 12.2921
197	\$ 2.5867	\$ 5.5564	\$ 11.4877	\$ 2.7575	\$ 5.8995	\$ 12.6902	\$ 3.1969	\$ 6.4006	\$ 11.3676
198	\$ 2.9392	\$ 5.6905	\$ 12.3323	\$ 2.6836	\$ 6.3267	\$ 10.8383	\$ 2.7544	\$ 6.6195	\$ 12.1074
199	\$ 3.9742	\$ 6.8088	\$ 12.3584	\$ 3.4090	\$ 6.2640	\$ 11.7137	\$ 2.5530	\$ 7.1810	\$ 13.6230
200	\$ 3.1873	\$ 5.6270	\$ 9.0088	\$ 2.6245	\$ 4.6803	\$ 7.3111	\$ 4.4606	\$ 6.3796	\$ 13.3192
Min	\$ 2.3557	\$ 4.6100	\$ 6.9000	\$ 2.3309	\$ 4.5470	\$ 6.6624	\$ 2.2902	\$ 4.8147	\$ 7.2376
Average	\$ 3.1933	\$ 6.1714	\$ 10.5439	\$ 3.2053	\$ 6.2935	\$ 10.8650	\$ 3.2057	\$ 6.3957	\$ 11.1702
Max	\$ 4.9880	\$ 7.9768	\$ 12.6464	\$ 5.0486	\$ 7.9275	\$ 13.1538	\$ 5.7119	\$ 8.4639	\$ 13.6230