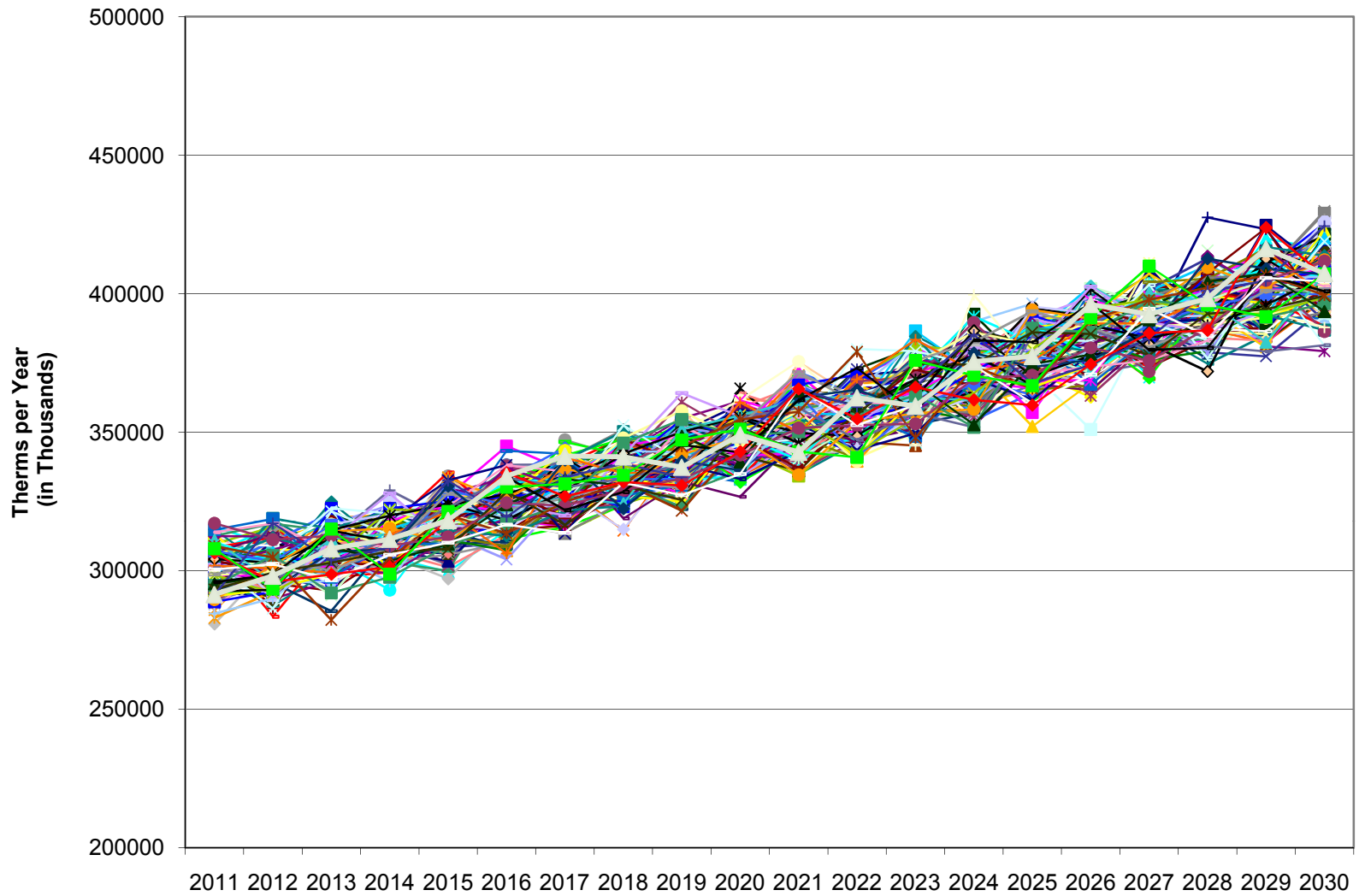


**Appendix G-1**

**Weather Uncertainty Analysis  
&  
Impact on Annual Loads**

### Monte-Carlo Simulation Results - Total System Demand Medium Growth Forecast



**Annual Load in Therms  
(000's)**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
High Growth-Cold Weather	315,945	318,566	325,058	329,555	338,981	346,185	353,704	359,063	368,171	374,834
HighGrowth-Avg weather	300,762	304,145	309,251	315,437	322,849	330,266	336,808	343,372	350,965	358,509
Medium 95%-Max	313,975	316,043	321,178	324,450	332,558	338,719	344,769	349,084	356,814	362,148
Medium-Avg Weather	298,887	301,736	305,560	310,551	316,731	323,142	328,301	333,829	340,139	346,374
Medium expected high	307,021	308,911	313,755	317,756	324,997	331,074	337,180	341,904	348,569	354,761
Medium Load-Expected	300,067	301,779	306,332	311,061	317,436	323,429	329,590	334,724	340,325	347,375
Medium Expected Low	293,113	294,647	298,909	304,367	309,875	315,784	322,000	327,545	332,081	339,989
Medium 95%-Min	286,159	287,515	291,486	297,673	302,314	308,138	314,410	320,365	323,836	332,602
Low Growth-Average Weather	295,999	297,532	300,764	305,019	310,410	315,745	320,195	324,613	329,935	335,139

**Annual Load in Therms  
(000's)**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
High Growth-Cold Weather	384,063	390,502	400,452	407,753	415,592	424,157	432,664	438,739	449,214	456,082
HighGrowth-Avg weather	365,246	371,740	379,756	389,006	396,263	403,745	412,136	419,888	427,466	435,251
Medium 95%-Max	369,459	374,350	382,668	388,868	394,441	401,010	407,444	411,989	420,128	424,932
Medium-Avg Weather	351,358	356,364	362,891	370,990	376,096	381,712	388,112	394,288	399,789	405,524
Medium expected high	361,083	366,020	373,813	380,367	386,047	391,948	398,819	403,335	410,443	415,345
Medium Load-Expected	352,706	357,690	364,958	371,866	377,654	382,886	390,195	394,680	400,757	405,759
Medium Expected Low	344,330	349,360	356,102	363,366	369,260	373,824	381,570	386,025	391,072	396,172
Medium 95%-Min	335,953	341,030	347,247	354,865	360,867	364,763	372,945	377,370	381,386	386,586
Low Growth-Average Weather	339,527	343,636	349,069	355,531	360,120	364,845	370,297	375,105	379,687	384,367

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1	294,587	293,840	305,007	314,903	308,739	314,672	329,210	345,591	340,537	360,743	351,815	357,399	372,027
2	304,793	301,155	311,275	310,544	311,846	329,039	341,151	341,191	328,434	359,574	351,415	368,097	371,580
3	306,317	315,896	295,801	313,475	312,857	336,428	338,192	326,716	355,805	333,712	346,756	365,346	346,128
4	296,192	292,935	299,844	312,103	315,664	313,976	328,442	342,449	354,955	361,238	346,142	366,983	375,325
5	297,817	306,057	297,128	307,763	329,595	323,911	323,248	338,647	347,582	350,464	352,569	368,361	363,133
6	305,485	299,701	314,802	313,625	311,957	326,833	321,987	333,180	345,293	331,070	350,128	363,980	355,126
7	301,671	301,912	299,794	315,016	312,097	333,861	319,288	331,175	341,608	348,088	361,843	366,571	351,324
8	295,020	295,223	312,229	303,117	313,965	327,201	327,558	332,996	346,962	353,911	337,171	364,768	348,948
9	295,103	299,221	299,435	310,885	308,670	322,549	334,036	341,865	334,485	340,003	349,890	371,085	367,442
10	289,718	296,994	301,083	310,782	330,384	320,818	327,714	322,885	354,258	333,754	343,611	349,332	368,198
11	302,077	293,158	307,467	302,704	312,503	322,443	313,702	340,889	328,543	342,120	347,604	340,637	349,872
12	306,797	304,288	305,280	304,823	316,211	321,988	330,683	323,268	351,611	343,587	359,597	354,753	366,857
13	312,283	303,962	314,593	321,503	311,449	332,843	324,444	335,894	337,402	351,023	348,467	356,240	365,965
14	298,217	304,523	293,873	317,839	313,379	319,828	343,779	331,048	339,905	353,649	334,870	367,294	368,462
15	305,322	302,273	307,026	310,160	310,955	321,391	324,070	325,329	358,234	334,943	375,340	362,071	353,196
16	297,184	301,257	299,370	299,820	321,680	315,802	334,495	326,193	326,764	339,886	371,606	363,423	359,320
17	306,598	303,857	315,772	303,006	311,572	328,449	323,373	341,067	343,132	333,553	350,077	351,967	362,180
18	306,381	308,048	301,150	314,107	309,433	317,524	313,881	324,078	330,612	349,558	343,981	367,738	373,940
19	297,316	311,351	317,048	312,058	321,122	320,216	319,167	338,476	331,984	346,466	351,222	348,102	356,053
20	292,415	304,043	319,008	320,284	313,210	307,201	329,589	335,808	331,148	362,189	360,252	339,575	361,548
21	308,592	301,829	306,789	304,829	326,730	330,770	330,520	314,422	343,911	334,425	344,142	370,801	357,598
22	294,571	301,227	308,271	317,686	309,823	315,178	333,656	332,763	329,432	339,377	346,579	350,985	375,183
23	297,203	305,069	307,388	309,041	334,208	319,051	347,203	340,751	348,737	346,728	354,598	342,941	364,903
24	305,166	299,816	304,193	312,785	314,496	321,679	332,949	329,939	332,518	347,278	352,794	361,364	353,580
25	298,962	315,106	303,102	304,200	321,203	336,753	325,058	341,892	342,842	355,269	344,512	360,171	357,588
26	287,384	309,341	298,404	317,403	320,461	334,450	331,180	333,378	328,904	347,235	353,019	372,854	380,736
27	299,215	304,240	292,445	315,176	330,241	323,286	335,122	327,944	336,185	346,238	348,007	353,762	356,835
28	289,998	298,490	316,281	311,235	321,707	332,631	335,456	332,800	337,369	355,557	344,467	347,928	370,150
29	299,198	300,184	304,793	310,946	321,605	327,181	337,144	335,849	347,413	340,879	355,045	366,783	367,876
30	287,918	309,702	309,991	299,470	321,152	311,281	325,178	334,637	335,781	339,978	353,194	362,852	369,479
31	301,538	299,341	307,781	317,085	318,453	332,372	339,301	342,344	325,665	365,790	347,013	355,149	377,844
32	298,399	298,993	291,479	311,824	310,390	313,383	323,377	337,807	336,527	331,008	340,833	372,800	374,990
33	295,895	316,567	297,566	299,398	322,903	331,062	338,387	348,126	322,441	351,449	358,647	356,199	373,983
34	301,519	297,870	316,822	316,612	319,241	311,255	315,841	323,509	340,946	338,544	345,331	359,263	356,209
35	294,146	310,849	300,314	319,133	325,501	328,877	323,759	333,057	337,954	347,053	343,132	362,434	359,117
36	309,102	298,164	298,592	320,209	321,363	331,560	330,523	334,379	348,227	351,512	345,810	371,657	366,274
37	308,474	305,466	306,452	317,967	327,016	344,996	336,149	328,612	335,683	355,128	347,887	369,974	379,566
38	315,846	308,990	302,363	304,880	299,554	314,602	336,185	340,912	336,005	347,008	340,752	360,237	373,263
39	301,588	295,416	292,806	306,279	321,770	333,292	317,129	329,432	334,133	347,179	344,026	351,404	350,731
40	305,634	299,210	304,354	310,972	305,807	326,642	333,388	349,976	331,367	341,738	344,363	363,496	354,574
41	292,018	290,918	317,753	311,251	328,541	319,325	321,328	337,333	350,315	360,017	352,669	342,057	363,210
42	297,102	308,349	302,890	308,052	319,074	321,011	321,225	344,587	348,163	348,591	364,146	364,297	372,578
43	296,427	310,671	297,510	301,922	325,588	321,209	338,337	325,584	343,922	354,224	358,510	361,365	371,535
44	299,569	294,676	306,219	309,952	311,393	335,176	327,171	340,914	340,460	358,883	334,755	346,253	378,369
45	280,778	303,177	305,712	305,382	297,115	318,280	322,303	332,286	333,852	346,461	362,827	353,654	371,364
46	297,311	294,526	317,099	318,931	323,459	317,122	313,425	325,019	333,591	344,058	352,136	366,969	364,468
47	289,479	299,408	316,822	323,594	309,188	334,000	326,922	328,399	338,903	349,317	361,715	342,874	383,178

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
48	302,521	300,658	301,524	304,425	318,896	322,630	329,187	331,170	348,684	345,353	365,257	355,831	360,896
49	298,582	305,019	301,144	322,014	325,013	322,760	340,562	324,024	336,420	344,404	357,138	357,269	379,453
50	315,988	295,903	304,006	317,685	329,482	316,564	335,399	326,979	334,791	353,488	344,712	358,629	382,307
51	296,090	309,611	304,534	318,464	314,579	322,499	317,151	335,493	346,470	346,174	357,275	357,758	377,681
52	299,998	291,156	310,886	306,890	301,322	312,834	334,058	337,756	323,691	364,028	357,330	359,650	362,344
53	297,513	305,031	320,983	303,972	313,394	343,237	342,187	339,244	335,392	332,041	357,766	362,922	374,901
54	304,186	300,417	310,152	307,709	309,215	327,987	328,251	314,919	340,712	336,290	351,088	348,740	361,254
55	305,556	301,067	312,633	306,647	306,335	320,841	320,775	326,167	351,485	349,305	344,541	363,269	365,244
56	299,037	301,907	311,698	303,234	318,040	318,587	334,569	332,356	339,138	347,666	352,302	360,541	359,468
57	294,875	295,381	313,522	304,160	312,421	330,415	324,461	328,607	341,903	354,583	355,302	366,524	360,840
58	296,557	295,303	313,855	311,013	323,101	330,855	326,935	336,153	332,203	334,638	357,397	356,299	365,930
59	313,291	289,858	296,175	307,138	331,259	320,253	324,302	343,567	340,267	344,404	353,843	364,024	371,510
60	308,857	286,402	316,003	314,643	315,767	324,255	315,741	328,576	331,065	344,053	355,822	367,215	362,011
61	300,652	318,311	306,709	312,395	319,148	327,578	340,154	325,201	353,814	334,882	359,938	356,337	384,828
62	290,874	310,745	312,797	323,104	319,434	321,903	327,443	345,255	347,712	339,708	342,380	365,642	371,347
63	305,492	306,624	307,600	316,665	312,936	323,655	341,509	335,592	335,286	346,698	367,756	357,401	366,554
64	288,230	310,191	307,990	309,531	310,853	327,221	328,954	337,066	354,392	341,939	354,301	360,191	381,453
65	304,374	300,206	298,071	305,049	324,627	315,031	334,910	344,262	340,661	344,844	353,978	354,105	360,060
66	297,048	304,448	306,142	308,267	309,842	320,930	340,568	333,527	342,612	342,620	355,678	359,337	372,011
67	301,633	295,420	300,544	311,932	330,395	326,489	324,803	337,410	342,104	354,085	352,947	370,799	368,998
68	288,286	298,983	304,956	310,262	316,302	326,257	330,568	332,694	343,415	350,873	352,309	351,093	368,315
69	302,417	306,753	301,626	302,336	321,170	321,424	323,927	337,892	330,054	346,616	358,048	352,610	363,947
70	287,973	300,529	300,186	311,132	332,351	325,220	318,448	342,124	331,299	342,429	351,626	348,109	351,050
71	297,140	308,466	304,173	307,285	317,792	316,395	328,601	339,474	345,903	359,392	348,398	368,486	381,710
72	293,520	302,267	306,937	310,044	328,524	323,800	319,659	339,667	340,452	349,974	354,521	362,937	369,799
73	309,606	315,832	306,383	309,466	329,559	315,667	342,573	330,705	342,886	344,042	334,201	351,454	372,394
74	298,188	295,659	302,700	299,564	315,920	329,161	317,238	333,049	351,551	338,973	350,162	367,248	358,124
75	285,740	305,728	299,761	318,791	320,743	311,980	326,943	336,045	331,254	351,499	345,824	368,447	363,912
76	301,200	292,934	303,011	314,070	322,484	319,052	322,290	335,995	351,234	348,841	370,549	354,410	365,615
77	303,096	301,897	301,302	309,681	302,177	338,224	338,299	333,420	340,714	355,665	360,296	362,329	373,848
78	302,116	304,749	300,858	314,609	306,989	314,337	338,201	333,318	344,791	339,918	348,238	366,483	347,639
79	293,815	304,285	313,957	316,032	314,482	308,033	329,814	332,706	322,265	354,233	349,503	344,119	366,257
80	308,254	296,242	304,447	303,105	299,919	333,649	327,456	326,106	327,446	336,264	355,329	359,372	356,976
81	293,308	301,941	316,229	314,617	316,906	324,291	325,318	339,617	337,875	348,448	352,412	355,912	369,241
82	305,487	303,995	309,920	323,135	319,927	313,222	332,839	345,018	328,591	352,008	345,700	348,983	350,924
83	301,067	294,770	311,250	316,794	325,776	312,729	328,547	346,538	333,053	349,804	353,638	346,424	345,178
84	297,309	305,252	302,075	315,777	301,922	328,976	338,359	336,028	339,023	348,278	335,766	346,997	363,972
85	295,432	294,835	300,100	311,592	308,534	309,676	333,382	335,055	349,645	348,622	350,689	372,711	359,610
86	295,666	310,950	299,482	311,652	316,440	316,385	337,858	328,308	351,576	350,676	366,582	358,792	365,219
87	295,438	291,738	315,677	306,677	316,216	327,140	330,391	344,543	340,275	344,937	348,649	358,650	383,473
88	309,371	283,390	309,058	315,935	335,505	317,104	339,791	333,468	344,859	333,421	354,697	354,851	363,375
89	306,579	312,827	302,853	307,961	311,175	321,913	346,491	341,857	353,448	340,799	370,044	346,549	367,583
90	295,098	307,059	309,019	302,673	315,920	330,088	330,594	341,025	335,091	346,639	350,494	342,159	374,927
91	313,292	294,543	309,205	322,026	310,625	328,031	320,435	327,070	324,962	349,628	348,000	369,930	360,922
92	304,731	302,215	300,815	302,169	328,069	318,295	315,925	336,088	346,204	350,930	371,708	349,956	355,802
93	299,322	305,359	308,914	305,834	308,821	328,025	322,422	332,249	329,351	356,489	352,378	358,774	362,199
94	300,895	307,931	308,927	307,588	322,570	314,776	316,258	327,990	336,884	338,709	358,031	359,556	357,712

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
95	303,886	298,721	311,571	315,928	317,116	335,040	333,461	324,550	335,190	352,170	344,093	353,731	358,328
96	306,955	298,653	293,211	314,094	308,809	320,218	328,441	338,694	352,580	336,321	353,054	356,315	360,764
97	300,835	303,963	306,539	315,818	327,328	313,150	323,391	334,436	341,971	346,100	363,347	352,945	360,093
98	292,507	298,097	310,608	303,505	321,757	314,955	323,524	347,044	336,388	353,206	349,152	359,007	361,996
99	314,790	299,792	324,839	307,616	313,315	320,392	326,971	333,650	343,318	351,985	346,478	357,962	377,130
100	297,820	312,285	309,350	318,263	311,462	316,887	340,934	336,837	345,216	348,446	341,361	343,721	370,319
101	289,202	295,557	306,361	319,147	317,609	321,087	339,896	350,890	340,890	344,094	367,275	359,505	364,849
102	305,535	307,008	302,443	305,154	313,209	304,039	327,502	326,843	330,800	352,470	339,361	359,257	367,132
103	303,206	304,592	312,739	310,725	309,053	321,937	324,722	338,890	360,827	348,570	354,460	342,228	361,417
104	294,388	298,180	294,790	308,698	310,727	333,003	335,792	331,760	350,717	361,574	375,532	356,237	374,910
105	307,658	302,132	308,367	308,883	315,449	332,345	325,632	338,443	335,954	356,821	345,216	357,047	368,834
106	297,801	311,536	310,518	306,849	318,503	330,228	342,479	318,866	332,093	326,678	348,058	346,767	351,289
107	296,677	307,517	306,971	315,097	310,724	331,171	329,993	339,843	339,418	358,916	367,017	350,286	367,504
108	298,183	301,114	307,860	317,780	314,331	321,636	336,629	323,716	339,113	344,879	360,411	358,920	376,316
109	303,565	305,213	292,256	326,388	311,469	327,492	318,682	335,061	336,279	344,987	367,037	359,109	355,449
110	293,080	310,449	306,972	307,334	303,494	323,754	325,606	339,302	345,799	359,013	350,458	370,501	372,367
111	301,571	296,162	302,478	312,024	322,347	323,012	330,208	334,870	327,821	361,435	355,534	351,843	354,838
112	297,985	308,045	305,993	310,938	321,635	316,399	330,409	325,711	343,149	354,350	357,040	365,919	372,987
113	309,785	306,405	304,801	293,021	320,559	320,799	329,004	328,704	347,684	347,355	348,754	352,101	364,806
114	295,244	311,174	311,268	308,839	327,492	333,816	322,862	341,551	347,476	348,240	355,767	354,456	364,317
115	303,472	298,098	301,565	307,619	324,060	318,739	316,566	331,313	350,055	351,217	348,341	346,159	354,601
116	297,528	287,399	300,097	310,324	305,990	327,738	337,476	345,942	346,971	356,976	357,853	354,512	354,199
117	289,428	303,226	294,654	321,657	309,094	318,376	335,841	328,845	338,520	348,332	350,645	370,680	365,052
118	301,511	291,152	305,133	317,209	310,792	331,763	325,238	348,182	348,316	353,659	356,532	357,417	386,532
119	304,484	302,914	306,288	314,922	323,325	332,610	337,388	333,545	329,509	353,316	354,072	364,796	362,710
120	300,315	304,273	291,106	315,251	310,770	319,634	319,205	341,798	347,505	346,164	343,417	353,789	365,622
121	290,166	312,856	303,456	319,222	315,871	316,781	329,619	339,845	328,128	354,788	349,434	361,480	364,614
122	299,339	295,242	296,257	320,023	322,694	324,023	339,043	335,122	339,151	345,356	357,092	365,550	382,050
123	286,696	302,866	308,457	317,858	321,602	325,234	324,785	328,739	331,880	351,673	361,069	352,557	372,057
124	292,442	293,156	305,771	301,756	317,952	315,299	332,352	335,975	345,032	334,131	347,387	352,321	359,126
125	299,496	300,915	301,221	317,861	316,023	320,581	340,643	328,181	344,068	355,973	356,040	361,525	366,441
126	300,650	310,560	320,757	312,325	307,594	333,118	344,330	326,496	337,132	348,973	366,963	356,766	372,278
127	295,579	309,185	317,326	318,181	321,518	321,132	337,838	332,248	354,729	332,995	365,060	348,934	362,054
128	305,957	300,525	311,791	313,290	316,668	318,007	325,973	346,156	342,578	350,210	348,222	369,985	381,367
129	294,353	297,606	305,470	301,432	317,906	336,195	330,375	324,438	341,700	356,217	360,442	354,746	364,565
130	282,955	292,527	303,796	302,617	333,713	325,113	333,361	346,915	348,230	339,941	347,922	367,006	371,552
131	296,907	301,669	302,613	302,093	322,608	324,379	318,532	344,439	343,718	342,230	360,605	359,684	366,056
132	298,113	301,227	311,176	329,073	318,313	336,250	339,143	326,241	343,834	342,310	342,283	363,702	368,465
133	303,673	315,337	297,956	303,040	305,709	310,149	327,099	337,037	340,265	344,781	370,417	363,454	366,760
134	293,512	295,652	285,415	310,469	309,457	310,522	332,888	339,413	347,305	354,108	346,766	351,001	352,806
135	312,590	316,984	314,238	305,489	311,833	332,165	330,178	331,446	323,080	343,964	358,702	361,000	361,347
136	306,805	292,158	322,363	308,068	324,521	319,307	319,964	330,819	353,339	347,891	352,016	357,241	364,562
137	300,347	289,673	312,198	317,507	306,305	326,611	326,864	337,106	340,136	341,646	336,079	356,597	359,107
138	307,229	312,489	302,041	315,520	324,343	326,166	337,134	331,697	321,613	346,364	348,871	364,937	362,030
139	288,372	304,597	298,750	308,203	325,901	313,681	320,079	324,907	343,006	342,641	339,341	358,070	360,943
140	295,361	298,578	304,027	311,188	319,595	323,703	318,521	333,803	337,859	337,046	348,847	353,648	375,770
141	300,189	297,074	312,736	305,447	327,912	321,397	337,366	332,345	334,279	344,057	350,317	360,578	359,792

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
142	309,923	309,035	318,546	309,337	321,003	321,556	337,640	324,241	340,737	343,608	359,237	366,946	366,744
143	308,375	311,991	310,784	306,735	316,557	326,987	326,940	338,784	328,618	354,991	357,222	360,698	359,420
144	291,267	293,192	314,495	301,637	320,435	331,297	341,584	347,547	347,008	331,970	343,758	361,565	362,143
145	288,763	292,447	322,495	298,763	325,482	327,641	335,192	337,729	354,501	347,422	367,046	370,750	363,775
146	296,729	295,609	312,220	302,310	318,768	313,662	324,917	332,865	330,906	354,294	346,396	355,077	358,882
147	297,907	300,404	297,105	309,887	324,863	320,659	336,012	339,513	338,667	351,539	348,529	350,289	371,466
148	304,640	303,849	313,839	311,380	317,509	318,116	333,039	346,534	330,149	349,145	345,626	347,247	370,396
149	300,609	302,448	317,740	306,934	326,151	314,252	326,479	327,639	334,329	353,145	350,016	354,859	359,799
150	303,678	307,620	296,490	319,822	311,129	307,320	327,865	333,988	340,437	343,837	353,140	341,657	372,102
151	299,316	295,736	311,809	318,758	317,773	324,776	337,336	331,156	338,200	333,069	343,074	363,137	372,656
152	297,091	293,953	314,534	318,443	312,506	308,797	327,200	325,074	347,840	345,524	348,262	340,650	367,223
153	312,422	312,362	301,163	299,068	311,152	318,834	320,260	334,776	336,628	343,176	356,390	351,112	376,171
154	295,909	318,878	315,180	321,918	310,096	325,937	340,059	350,243	338,467	352,137	356,267	362,073	355,327
155	303,486	303,214	301,371	309,591	313,388	322,866	335,698	332,085	343,694	341,254	350,557	361,002	347,144
156	293,704	299,928	305,892	311,210	306,146	329,809	333,022	334,238	339,548	345,271	356,808	357,102	359,356
157	303,737	294,627	300,168	307,936	323,877	321,323	332,901	335,977	351,958	348,079	363,640	353,258	364,673
158	301,567	295,242	305,414	322,536	313,333	337,758	332,898	338,133	347,997	347,116	347,050	368,408	369,881
159	297,744	304,053	308,372	309,359	320,323	314,308	331,918	336,098	347,959	342,881	356,725	361,594	345,319
160	310,302	304,316	322,567	320,646	311,244	321,599	325,706	334,392	338,655	350,889	352,034	363,696	369,334
161	306,499	313,260	303,719	308,304	313,266	324,089	327,092	324,816	341,329	359,196	355,419	346,112	360,003
162	301,833	292,017	309,803	310,991	306,681	329,044	329,731	338,506	336,043	350,669	342,591	352,756	353,324
163	314,790	318,694	297,678	309,629	309,811	326,980	339,925	327,060	330,927	354,381	352,197	356,242	348,529
164	309,267	291,018	316,724	320,471	316,441	314,936	327,328	331,695	342,593	345,784	351,594	344,384	355,375
165	308,085	297,542	312,046	318,164	332,600	338,134	313,301	340,548	339,920	346,014	352,905	343,577	349,578
166	298,799	297,667	302,138	318,029	323,701	321,428	333,450	345,056	348,587	341,483	342,313	359,871	364,412
167	290,775	293,530	298,674	315,986	327,151	325,988	343,429	330,987	332,606	351,413	355,443	341,099	362,427
168	310,291	303,595	305,301	311,209	321,497	331,612	333,549	334,143	338,183	348,789	339,963	361,388	362,344
169	301,835	307,557	313,693	311,103	317,253	337,125	329,715	327,393	343,203	338,467	350,331	364,778	358,135
170	303,734	298,624	302,824	302,083	317,307	328,748	319,283	347,546	338,442	347,684	337,053	356,816	372,730
171	303,154	311,961	306,403	310,782	314,658	312,573	321,795	323,333	340,716	348,094	354,062	354,319	384,574
172	297,819	304,317	304,146	322,455	325,215	326,516	329,313	323,071	337,609	346,375	350,988	354,927	359,755
173	299,293	306,639	298,116	315,175	321,345	321,301	330,668	339,098	341,458	347,501	356,929	356,156	362,042
174	302,880	286,328	321,490	312,907	318,421	330,779	323,300	352,487	339,708	345,260	347,645	379,981	379,201
175	306,007	300,288	297,989	321,759	316,930	320,421	328,108	338,866	343,464	353,094	340,482	352,770	352,583
176	298,411	299,497	316,817	307,430	318,842	330,480	329,755	347,949	357,673	346,768	357,623	339,451	375,062
177	284,557	290,052	306,287	296,053	324,832	318,914	330,245	343,322	342,732	335,892	357,059	361,959	361,606
178	313,835	316,983	306,863	309,538	323,251	338,031	335,914	328,874	352,163	342,575	355,560	360,681	360,136
179	302,138	290,735	310,949	327,877	309,661	324,367	319,852	341,850	364,126	355,757	351,437	352,767	367,987
180	304,207	302,846	311,406	299,194	323,413	327,642	334,219	342,245	350,103	355,595	349,741	348,645	362,458
181	307,104	303,400	316,409	303,170	329,319	323,414	334,401	332,994	333,078	353,859	363,622	341,148	359,401
182	311,009	296,294	311,513	313,211	312,060	323,401	326,164	324,176	351,126	356,044	361,647	363,251	362,353
183	298,404	291,986	303,973	322,125	321,283	330,374	332,790	337,692	333,999	348,399	353,969	342,477	355,096
184	292,546	293,071	314,689	319,877	324,037	318,285	328,721	342,134	336,908	355,212	346,164	358,701	369,096
185	289,586	301,938	314,170	315,358	310,288	326,235	336,958	331,500	341,954	348,034	334,645	353,649	356,836
186	301,803	300,852	299,355	312,926	321,224	306,269	340,844	335,161	335,758	360,802	350,048	369,055	383,414
187	300,884	297,417	302,919	311,637	322,735	333,617	330,088	333,251	338,458	355,311	358,643	347,226	356,848
188	298,678	303,519	300,235	308,090	327,836	322,090	326,060	332,064	329,828	352,263	371,759	360,487	375,897



**Total System Annual Load Forecast  
Monte-Carlo Results**

<b>Draw</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
189	307,325	293,276	306,789	307,788	330,509	313,802	339,943	322,350	339,509	336,262	362,518	365,337	357,916
190	294,710	305,441	291,989	297,661	308,871	317,053	323,972	346,021	354,534	348,687	350,151	356,495	363,311
191	295,277	298,055	308,408	303,579	309,625	323,816	333,102	330,607	348,662	339,285	364,814	359,459	367,816
192	293,182	299,295	302,862	307,009	307,825	328,493	316,561	330,684	325,492	351,733	342,815	356,233	374,796
193	308,962	304,808	282,230	304,712	320,197	313,506	324,900	331,429	344,837	354,530	357,445	379,068	347,905
194	317,122	311,153	312,623	309,016	312,169	324,515	323,388	329,168	333,202	341,812	351,496	352,576	353,005
195	291,271	317,111	303,752	308,517	332,499	319,510	333,785	338,677	333,699	347,634	365,588	359,124	366,293
196	295,918	298,536	314,457	310,592	318,454	333,767	321,808	328,428	345,418	342,725	361,570	373,119	357,352
197	300,383	302,439	296,590	305,746	310,128	316,631	313,634	331,684	327,328	334,878	365,874	352,598	359,782
198	306,365	296,015	298,649	301,455	317,879	335,360	326,815	331,976	330,692	342,941	365,638	354,802	366,252
199	307,925	293,402	315,016	298,775	321,421	330,123	331,306	334,434	347,200	351,088	343,000	340,878	375,916
200	291,394	298,144	307,986	311,395	318,164	334,050	341,394	341,136	337,392	349,044	342,803	362,471	359,467
Max	317,122	318,878	324,839	329,073	335,505	344,996	347,203	352,487	364,126	365,790	375,532	379,981	386,532
Min	280,778	283,390	282,230	293,021	297,115	304,039	313,301	314,422	321,613	326,678	334,201	339,451	345,178
Average	300,067	301,779	306,332	311,061	317,436	323,429	329,590	334,724	340,325	347,375	352,706	357,690	364,958

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2024	2025	2026	2027	2028	2029	2030	20 Yr Total
1	380,790	380,861	384,000	380,413	383,306	399,439	412,521	7,010,398
2	363,129	380,150	384,985	371,291	403,936	396,398	398,193	7,028,176
3	373,053	379,955	387,788	375,160	391,405	390,103	416,302	7,007,198
4	383,994	375,726	376,520	383,147	400,539	381,020	379,236	6,986,430
5	377,062	368,279	379,771	383,608	388,675	393,961	408,316	7,005,949
6	376,822	364,291	379,788	380,890	407,449	386,023	419,655	6,988,086
7	377,038	375,844	377,139	388,363	400,794	406,759	421,361	7,031,546
8	376,581	375,025	388,403	386,013	402,380	415,592	402,417	7,005,479
9	376,445	377,425	388,869	387,034	380,729	398,643	405,096	6,988,907
10	372,933	382,314	401,903	390,305	377,952	394,148	401,226	6,970,310
11	375,787	375,446	372,059	404,385	389,176	405,508	409,405	6,935,486
12	389,867	396,425	373,127	398,811	381,632	408,400	392,669	7,030,675
13	377,922	365,133	379,466	409,605	385,609	408,287	403,324	7,045,412
14	375,977	378,526	372,758	399,606	385,365	388,205	406,678	6,993,783
15	376,090	371,928	387,150	398,195	400,320	401,218	397,994	7,023,204
16	371,690	381,211	375,104	388,120	389,743	396,364	397,627	6,955,659
17	364,396	390,355	374,440	396,555	392,591	394,917	414,949	7,002,806
18	381,217	378,233	385,199	373,103	394,239	391,380	391,621	6,955,423
19	359,835	365,395	389,120	397,307	392,213	410,421	420,166	7,005,038
20	372,064	373,220	384,135	380,783	396,934	411,371	406,250	7,001,025
21	363,634	387,876	388,305	390,421	387,233	382,382	397,711	6,972,921
22	361,259	383,823	372,988	395,158	393,878	405,418	397,716	6,964,973
23	368,089	361,453	387,960	394,134	393,298	387,631	416,927	7,027,314
24	379,506	385,706	370,559	388,392	376,507	404,514	402,242	6,975,984
25	363,854	392,417	395,044	406,308	390,512	403,270	387,014	7,045,074
26	368,558	381,696	391,534	380,310	396,685	400,956	403,949	7,038,437
27	368,512	371,853	387,273	401,991	403,772	382,771	398,363	6,983,230
28	372,536	382,006	389,167	395,072	389,840	409,770	414,172	7,046,633
29	375,323	379,054	372,773	387,323	411,777	392,938	420,759	7,054,842
30	387,322	381,264	399,945	387,976	378,822	377,406	394,957	6,968,303
31	363,341	376,115	384,272	407,709	395,652	405,557	398,412	7,060,737
32	360,032	381,328	382,061	388,054	398,485	397,092	387,531	6,936,394
33	356,537	389,539	381,768	393,129	403,185	392,681	406,228	7,035,691
34	373,032	360,762	380,014	397,060	406,640	395,148	411,428	6,967,044
35	380,144	379,979	373,492	392,160	391,311	400,667	414,944	7,018,021
36	369,840	372,199	362,665	394,663	401,682	404,277	393,314	7,026,012
37	376,514	357,144	385,541	387,155	394,804	397,354	404,674	7,066,558
38	363,798	371,136	381,929	392,075	392,424	419,898	415,857	7,017,714
39	386,001	367,891	373,744	388,405	387,034	408,046	408,972	6,945,276
40	378,240	375,074	381,143	389,780	384,107	407,290	402,950	6,990,107
41	379,489	370,964	392,863	388,493	389,908	398,219	423,230	7,029,900
42	365,237	377,269	377,478	393,023	393,580	390,017	406,204	7,022,872
43	358,440	391,539	388,513	389,478	390,793	405,989	394,175	7,025,730
44	375,846	375,808	372,030	394,222	394,392	401,621	413,053	7,010,761
45	382,144	382,008	393,009	391,175	385,838	400,023	414,089	6,981,477
46	372,451	392,183	390,833	386,805	393,124	407,286	429,063	7,039,858
47	373,493	383,540	377,233	389,383	391,113	405,904	420,874	7,045,342

**Total System Annual Load Forecast  
Monte-Carlo Results**

<b>Draw</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>20 Yr Total</b>
48	362,225	376,297	393,451	395,485	403,605	401,186	400,547	7,019,827
49	367,082	367,477	389,040	402,846	388,888	390,326	404,101	7,023,562
50	365,976	373,540	382,497	391,401	385,469	407,953	402,634	7,025,401
51	352,190	374,316	380,753	408,430	393,387	399,500	398,859	7,011,215
52	377,814	392,300	377,210	400,094	383,174	409,354	414,794	7,016,684
53	360,373	380,134	399,097	396,125	395,121	416,097	406,858	7,082,389
54	377,653	372,623	386,026	386,812	390,696	391,952	424,548	6,971,229
55	368,090	374,590	374,951	409,224	388,334	424,687	408,113	7,021,854
56	364,551	382,064	382,771	389,305	393,077	381,326	406,215	6,977,852
57	375,487	379,234	376,099	397,045	386,047	411,558	404,308	7,012,772
58	358,110	391,173	377,598	403,981	394,605	405,619	402,161	7,013,486
59	364,944	374,296	395,371	390,635	392,856	385,749	405,621	7,009,362
60	382,667	366,037	385,469	401,946	403,622	407,531	405,249	7,022,931
61	373,498	384,738	399,620	386,797	374,681	385,015	412,852	7,057,146
62	369,546	375,290	374,083	385,447	390,166	408,896	425,413	7,047,185
63	357,687	385,015	402,596	388,970	393,963	401,822	409,917	7,063,738
64	371,021	371,321	350,969	390,165	393,699	398,101	417,992	7,005,578
65	366,334	368,390	402,555	395,821	402,844	404,002	408,425	7,028,549
66	374,667	378,018	383,206	385,110	407,181	401,249	402,003	7,024,463
67	374,909	381,635	390,420	393,358	382,125	395,595	402,292	7,037,894
68	378,146	386,495	389,781	395,160	403,758	410,649	406,928	7,045,232
69	365,076	391,123	398,806	396,894	387,327	423,869	394,724	7,026,640
70	361,233	380,555	375,921	399,919	394,089	396,445	393,802	6,944,441
71	354,331	364,193	382,622	387,249	396,716	403,488	395,998	7,007,811
72	369,897	371,118	402,729	390,849	393,016	404,611	404,230	7,029,552
73	370,596	366,258	372,027	399,151	394,291	414,795	404,552	7,026,439
74	374,068	352,059	367,801	388,745	409,647	385,503	403,797	6,939,158
75	372,143	374,666	392,203	386,608	389,134	401,865	417,740	7,001,026
76	376,201	386,989	382,744	398,924	403,769	395,911	406,141	7,052,366
77	359,347	366,974	371,332	374,884	402,352	415,638	402,699	7,014,172
78	383,731	384,919	387,749	391,401	395,484	392,858	426,902	7,025,291
79	373,693	367,082	391,891	373,821	398,019	386,671	416,301	6,956,979
80	362,798	372,461	387,479	391,293	403,990	405,220	399,166	6,956,971
81	359,516	371,614	393,133	400,123	404,881	396,905	399,619	7,021,904
82	368,287	386,520	390,952	396,542	400,527	401,808	414,637	7,039,021
83	379,054	382,548	385,351	388,434	406,809	381,487	407,699	6,996,951
84	367,651	379,307	372,426	391,784	386,694	394,864	405,502	6,957,961
85	374,932	386,149	394,090	387,133	391,841	409,519	390,178	7,003,726
86	372,448	394,878	391,436	394,667	384,912	397,052	397,372	7,042,352
87	368,865	381,832	377,728	398,463	396,401	416,049	401,158	7,044,303
88	381,371	383,941	390,776	383,642	391,466	412,264	412,910	7,051,195
89	377,584	384,144	390,675	398,411	396,267	411,733	410,923	7,099,815
90	374,370	372,182	387,726	382,480	397,559	391,981	399,677	6,986,760
91	374,460	390,139	393,662	398,165	388,763	394,223	407,272	7,025,354
92	365,886	385,295	388,622	376,852	405,206	414,777	403,826	7,023,371
93	372,770	380,456	394,250	369,773	404,144	413,213	401,657	7,006,401
94	380,235	381,820	384,022	389,281	385,225	387,976	414,488	6,980,874

**Total System Annual Load Forecast  
Monte-Carlo Results**

Draw	2024	2025	2026	2027	2028	2029	2030	20 Yr Total
95	354,293	381,270	387,802	381,781	386,414	405,364	398,439	6,979,147
96	375,780	379,101	382,415	385,810	427,569	423,257	396,752	7,038,793
97	359,584	379,157	384,823	369,165	406,508	397,319	412,921	6,999,395
98	376,214	374,645	387,335	388,346	392,980	413,501	414,808	7,019,576
99	371,747	387,935	377,801	401,531	400,417	395,777	403,020	7,056,468
100	371,127	379,547	388,488	393,522	397,906	400,208	417,018	7,040,717
101	380,471	376,027	380,926	402,416	389,596	389,323	393,163	7,028,285
102	372,539	392,873	374,658	394,617	387,443	383,913	405,009	6,951,805
103	378,051	372,772	365,529	398,604	404,070	402,168	403,612	7,018,171
104	354,395	376,158	381,152	381,193	390,027	403,459	419,624	7,032,315
105	365,377	375,826	380,873	389,074	412,059	390,839	412,262	7,029,090
106	373,905	367,493	365,091	383,322	401,577	397,883	397,123	6,928,059
107	371,441	382,608	376,801	395,595	384,039	383,083	421,719	7,036,421
108	372,663	373,121	374,311	394,520	394,130	391,311	391,039	6,991,983
109	354,818	382,253	381,092	394,813	387,931	403,378	425,917	7,013,189
110	373,102	383,495	382,217	391,605	395,838	386,993	410,829	7,032,207
111	367,935	365,905	377,016	384,825	389,946	405,344	409,086	6,974,201
112	370,160	387,908	389,922	377,173	393,985	405,439	411,541	7,046,689
113	378,827	379,501	376,537	393,850	392,767	413,731	398,195	7,007,186
114	381,758	378,632	390,831	389,092	390,455	404,445	409,895	7,067,609
115	377,356	381,642	386,037	373,451	383,499	409,747	402,416	6,965,953
116	371,817	385,434	392,711	384,515	406,762	385,593	401,680	7,011,518
117	365,169	392,215	385,113	380,167	404,818	388,027	410,376	7,000,238
118	371,742	372,855	373,561	400,907	410,156	400,786	421,354	7,084,795
119	373,465	374,157	369,105	396,162	407,557	409,272	392,605	7,033,203
120	378,734	371,797	388,255	375,825	415,586	390,223	401,578	6,980,847
121	367,743	381,355	372,601	411,015	386,209	385,445	407,669	6,998,297
122	373,134	366,637	372,894	402,332	387,961	401,103	388,340	7,013,344
123	371,531	369,121	397,162	386,233	396,893	401,675	412,704	7,020,789
124	371,512	390,557	387,225	375,363	403,934	398,528	415,737	6,975,555
125	378,340	370,524	381,419	385,428	389,688	412,678	411,725	7,038,769
126	368,566	363,482	390,866	392,279	392,937	398,829	399,953	7,044,855
127	382,510	382,338	371,355	386,475	393,377	404,090	400,819	7,037,741
128	378,638	379,512	381,572	402,536	386,067	405,367	411,182	7,075,603
129	365,167	380,165	391,708	407,297	394,311	380,557	420,300	7,024,952
130	365,718	379,152	377,447	392,117	400,869	397,294	410,545	7,018,789
131	380,421	371,163	384,712	388,254	401,845	402,455	413,392	7,027,774
132	360,241	374,194	392,414	382,188	385,320	398,901	397,153	7,010,541
133	376,033	390,069	377,422	387,853	402,629	407,940	397,794	7,025,416
134	357,133	379,233	370,843	390,360	395,862	400,443	413,477	6,936,667
135	374,450	372,961	386,542	380,863	383,912	402,149	399,581	7,003,475
136	392,572	371,354	387,019	395,112	405,002	388,523	421,511	7,060,145
137	386,388	382,273	371,398	399,851	398,351	401,548	417,377	7,007,363
138	372,840	377,053	377,137	397,435	389,870	408,024	406,793	7,029,586
139	355,487	379,011	363,144	382,057	395,058	391,434	413,893	6,908,576
140	372,793	386,309	374,555	401,687	412,673	400,967	410,186	7,017,117
141	364,275	379,957	401,503	386,515	393,514	411,188	420,866	7,041,307

**Total System Annual Load Forecast  
Monte-Carlo Results**

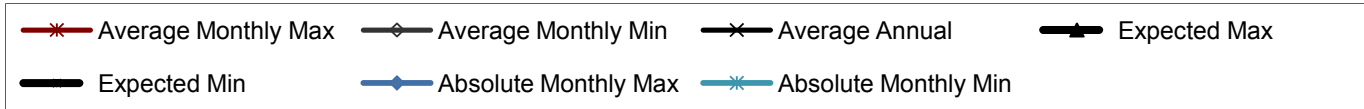
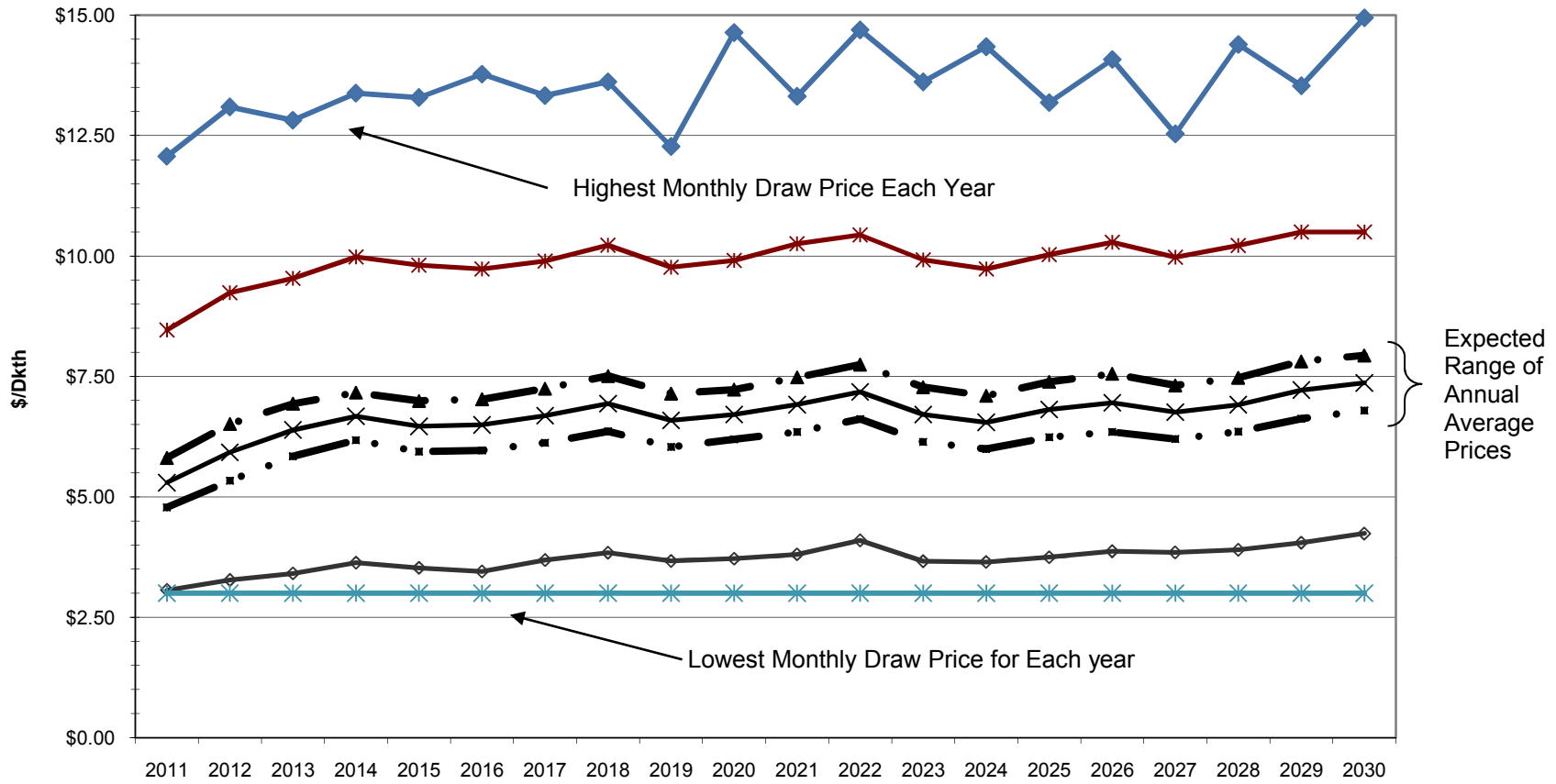
Draw	2024	2025	2026	2027	2028	2029	2030	20 Yr Total
142	371,922	374,533	368,836	385,145	387,319	386,429	402,863	7,005,598
143	373,301	378,011	386,995	374,610	399,334	398,605	388,243	7,007,202
144	379,956	377,053	384,504	369,591	397,092	392,889	400,060	6,989,044
145	381,554	384,756	379,329	386,212	406,512	401,055	406,883	7,078,305
146	373,038	380,518	387,090	399,232	399,455	396,358	422,575	7,000,900
147	378,075	357,088	397,470	392,571	400,598	405,133	409,115	7,026,888
148	391,797	382,514	371,270	384,903	396,391	392,631	399,704	7,010,681
149	372,316	385,021	369,115	380,554	401,434	397,317	399,580	6,979,737
150	370,010	381,437	383,597	376,131	379,272	399,409	402,797	6,951,736
151	366,295	379,392	381,920	380,585	402,037	398,123	417,917	7,013,063
152	378,896	365,276	366,854	404,148	405,453	416,261	398,213	6,982,198
153	373,615	389,037	382,733	384,760	413,524	400,753	409,574	7,027,508
154	377,223	366,108	391,628	378,273	396,030	392,291	386,824	7,030,868
155	382,419	371,877	367,757	384,915	390,571	405,501	407,410	6,975,797
156	356,772	382,083	377,256	398,768	405,737	407,046	429,776	7,029,474
157	361,753	375,456	383,379	392,174	378,739	404,847	408,110	6,997,612
158	389,611	370,183	385,107	371,878	389,360	407,387	386,302	7,027,159
159	399,559	374,126	381,198	385,796	390,754	393,807	387,785	6,989,679
160	369,465	383,167	382,939	403,088	376,442	409,530	381,171	7,031,183
161	379,782	380,455	381,554	392,668	389,821	417,018	397,866	7,022,268
162	374,954	365,531	379,226	386,886	399,083	403,920	396,636	6,960,225
163	368,399	383,072	367,259	383,746	393,620	401,330	404,502	6,988,771
164	362,755	395,299	393,020	391,612	392,063	403,353	410,663	7,016,377
165	369,292	361,729	378,387	389,381	390,840	404,910	396,812	6,983,765
166	375,776	368,493	368,787	398,867	400,519	401,570	401,052	7,012,000
167	372,648	366,139	374,181	397,170	394,348	391,161	399,433	6,964,587
168	375,854	388,528	377,866	392,582	401,101	409,165	406,037	7,052,999
169	368,819	383,654	385,584	389,906	388,391	402,680	408,866	7,028,488
170	366,543	370,959	395,957	388,179	407,420	423,639	391,876	7,017,447
171	361,199	382,341	379,176	386,372	396,065	416,881	413,719	7,022,177
172	371,798	383,539	388,416	384,965	400,322	405,653	407,844	7,025,040
173	373,719	386,854	390,589	398,307	392,199	392,164	420,076	7,049,629
174	374,290	367,471	379,237	389,280	383,314	393,991	418,810	7,046,781
175	377,731	378,504	371,392	395,181	397,654	404,869	399,358	6,997,449
176	386,009	381,666	390,005	388,450	388,931	391,297	402,198	7,054,314
177	377,967	373,426	379,301	389,292	401,604	405,505	406,092	6,986,697
178	368,291	371,075	373,557	375,887	383,100	408,531	402,619	7,027,466
179	380,201	379,306	402,513	389,622	386,412	393,683	398,498	7,049,737
180	386,576	370,146	377,696	381,862	371,911	412,510	399,629	7,012,044
181	367,359	377,125	375,420	388,962	395,560	399,680	399,833	7,005,257
182	361,645	388,005	372,087	400,247	397,316	382,481	406,970	7,020,999
183	364,055	379,867	394,702	397,720	392,303	392,895	398,565	6,992,674
184	377,784	366,964	388,594	383,893	388,600	395,880	406,528	7,007,684
185	358,313	394,130	390,990	395,639	409,419	402,424	412,272	7,024,339
186	371,730	375,816	389,233	389,330	397,970	415,290	399,706	7,056,585
187	351,763	384,666	386,930	379,505	381,030	379,117	381,432	6,933,475
188	382,622	393,610	387,687	380,719	389,041	401,020	401,413	7,044,918

**Total System Annual Load Forecast  
Monte-Carlo Results**

<b>Draw</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>20 Yr Total</b>
189	378,565	373,501	376,039	386,454	412,607	409,065	406,872	7,026,426
190	351,798	387,519	386,062	397,209	396,045	391,508	396,444	6,965,481
191	352,722	374,702	377,946	390,619	404,290	407,346	393,620	6,983,749
192	374,260	386,057	385,444	377,738	392,736	394,321	399,164	6,946,700
193	373,743	365,647	390,348	397,758	402,119	406,665	399,509	7,010,317
194	369,360	370,566	380,479	375,824	387,481	404,813	411,701	6,971,466
195	385,166	367,560	374,344	383,870	400,950	404,658	424,405	7,058,413
196	383,200	382,479	396,642	379,731	380,373	406,785	400,872	7,032,227
197	374,122	360,430	370,775	394,574	384,798	405,735	404,458	6,912,586
198	361,618	359,773	374,483	385,778	386,771	423,918	406,413	6,973,592
199	370,485	366,782	391,274	409,944	395,956	391,676	407,203	7,023,804
200	375,464	377,416	396,148	392,540	398,304	416,281	407,315	7,058,309
Max	399,559	396,425	402,729	411,015	427,569	424,687	429,776	7,099,815
Min	351,763	352,059	350,969	369,165	371,911	377,406	379,236	6,908,576
Average	371,866	377,654	382,886	390,195	394,680	400,757	405,759	7,011,269

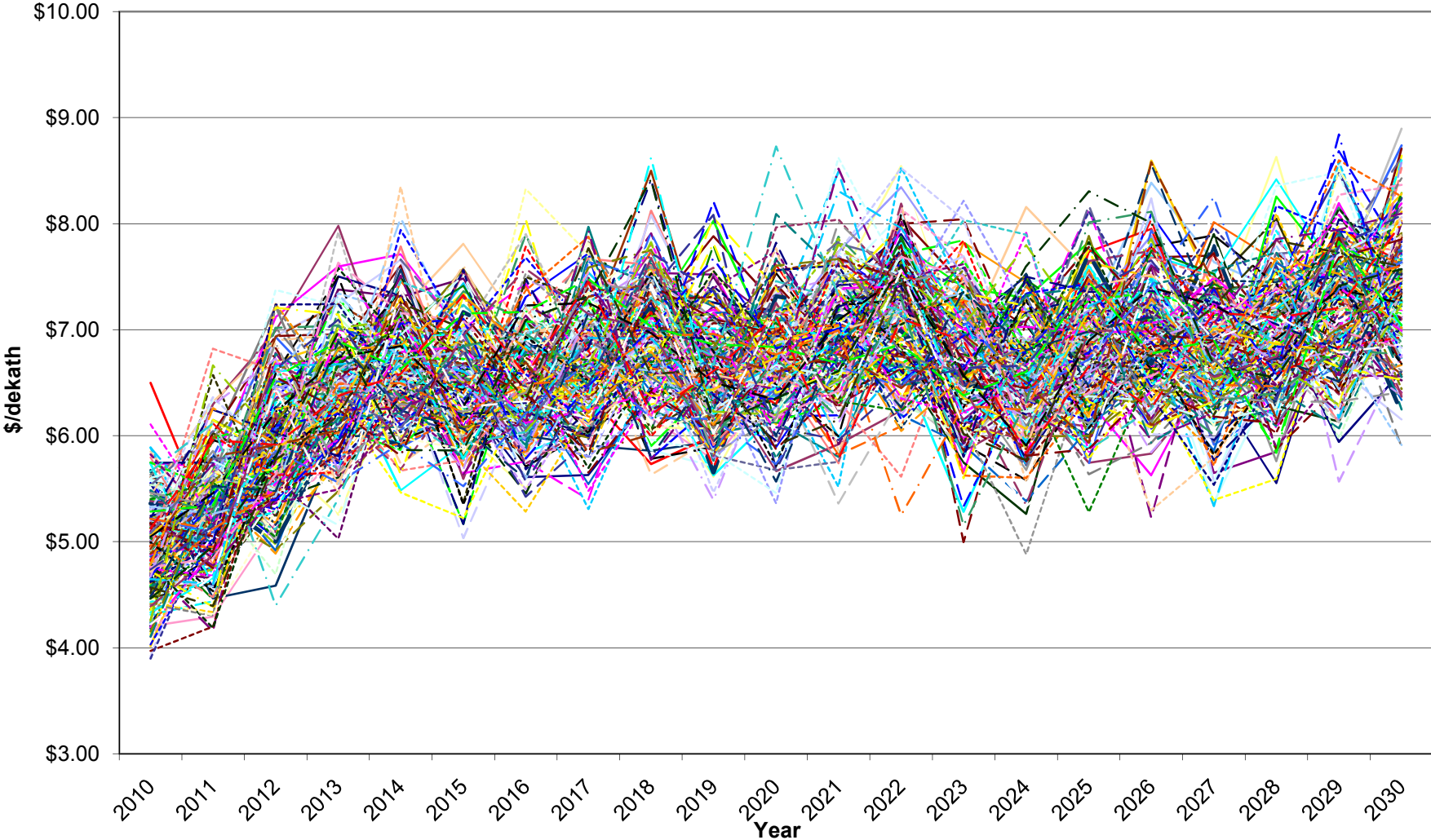
**Appendix G-2**  
**Price Uncertainty Analysis**

### NYMEX Annual Price Forecast





# NYMEX ANNUAL AVERAGE PRICE



### Nymex Detail-Annual Ranges

Draw	2011			2012			2013		
	max	min	avg	max	min	avg	max	min	avg
1	\$7.33	\$3.00	\$4.96	\$9.54	\$3.00	\$6.03	\$9.84	\$3.84	\$6.80
2	\$9.77	\$3.00	\$5.71	\$9.62	\$3.00	\$7.12	\$9.50	\$3.00	\$7.60
3	\$7.68	\$3.00	\$5.22	\$7.43	\$3.00	\$5.49	\$9.98	\$4.18	\$6.13
4	\$8.19	\$3.00	\$4.87	\$9.72	\$3.00	\$6.05	\$9.71	\$3.00	\$6.06
5	\$7.02	\$3.00	\$5.51	\$11.82	\$4.03	\$5.83	\$12.81	\$3.01	\$6.08
6	\$7.58	\$3.00	\$5.31	\$10.25	\$3.00	\$6.04	\$9.66	\$3.00	\$6.81
7	\$7.21	\$3.00	\$4.94	\$8.79	\$3.00	\$6.26	\$10.69	\$3.00	\$6.91
8	\$9.15	\$3.00	\$5.51	\$9.25	\$3.00	\$5.03	\$10.54	\$3.80	\$6.72
9	\$8.50	\$3.26	\$5.65	\$10.01	\$3.00	\$6.21	\$7.06	\$3.71	\$6.09
10	\$8.31	\$3.32	\$5.80	\$9.97	\$3.00	\$6.12	\$10.70	\$3.00	\$6.10
11	\$11.95	\$3.00	\$5.30	\$9.18	\$3.56	\$5.51	\$8.48	\$5.58	\$7.12
12	\$8.52	\$3.00	\$4.64	\$7.98	\$3.00	\$5.80	\$8.68	\$3.06	\$5.25
13	\$9.79	\$3.00	\$5.53	\$11.17	\$3.00	\$6.66	\$9.25	\$3.00	\$5.55
14	\$7.19	\$3.00	\$4.29	\$8.40	\$3.66	\$5.17	\$9.22	\$3.26	\$5.85
15	\$7.96	\$3.49	\$5.18	\$9.86	\$3.00	\$5.75	\$10.49	\$3.00	\$6.38
16	\$7.74	\$3.00	\$5.10	\$9.78	\$3.41	\$6.14	\$8.85	\$3.00	\$5.57
17	\$8.17	\$3.00	\$5.80	\$9.68	\$4.51	\$6.93	\$8.91	\$3.55	\$6.31
18	\$7.18	\$3.76	\$5.45	\$9.23	\$3.49	\$6.20	\$10.38	\$3.25	\$6.32
19	\$9.16	\$3.00	\$6.15	\$8.82	\$3.00	\$5.86	\$9.34	\$3.00	\$6.25
20	\$8.87	\$3.00	\$5.41	\$12.36	\$3.00	\$6.70	\$9.91	\$4.15	\$6.89
21	\$10.59	\$3.00	\$5.50	\$7.62	\$3.00	\$5.17	\$9.50	\$3.00	\$6.43
22	\$9.02	\$3.00	\$5.67	\$8.22	\$3.00	\$5.43	\$9.69	\$3.00	\$5.94
23	\$9.15	\$3.00	\$5.23	\$8.59	\$3.00	\$6.04	\$10.50	\$4.12	\$6.71
24	\$9.11	\$3.23	\$5.86	\$9.90	\$3.00	\$5.00	\$9.88	\$4.45	\$6.87
25	\$7.40	\$3.00	\$4.46	\$6.96	\$3.00	\$4.59	\$9.12	\$3.00	\$6.01
26	\$9.80	\$3.00	\$5.47	\$8.62	\$3.29	\$5.47	\$9.24	\$3.00	\$6.27
27	\$9.32	\$3.00	\$5.42	\$10.92	\$3.00	\$6.46	\$10.11	\$3.00	\$6.71
28	\$9.87	\$3.20	\$6.02	\$8.85	\$3.00	\$5.71	\$8.22	\$3.00	\$6.11
29	\$7.62	\$3.16	\$5.29	\$6.83	\$3.79	\$5.38	\$7.70	\$4.10	\$6.26
30	\$8.83	\$3.45	\$6.30	\$10.98	\$4.24	\$6.99	\$12.12	\$3.88	\$7.98
31	\$8.28	\$3.00	\$4.76	\$8.14	\$3.00	\$5.79	\$9.67	\$4.94	\$6.78
32	\$9.05	\$3.00	\$4.86	\$12.07	\$3.00	\$6.10	\$10.34	\$4.25	\$6.67
33	\$7.78	\$3.00	\$5.96	\$9.39	\$3.72	\$5.44	\$8.96	\$3.00	\$5.64
34	\$7.92	\$3.00	\$5.09	\$7.09	\$3.00	\$5.28	\$8.32	\$3.12	\$6.65
35	\$8.31	\$3.00	\$5.50	\$9.13	\$4.28	\$6.50	\$10.13	\$3.00	\$6.69
36	\$8.38	\$3.00	\$4.89	\$9.06	\$3.27	\$6.03	\$8.68	\$3.89	\$6.18
37	\$7.50	\$3.00	\$4.97	\$10.03	\$3.84	\$6.53	\$8.79	\$3.06	\$5.83
38	\$6.71	\$3.00	\$5.15	\$7.15	\$3.00	\$5.37	\$11.20	\$3.00	\$5.95
39	\$8.10	\$3.00	\$5.39	\$10.01	\$3.00	\$5.98	\$10.55	\$3.44	\$6.70
40	\$8.44	\$3.00	\$5.33	\$8.68	\$3.00	\$5.64	\$10.01	\$3.00	\$5.89
41	\$8.63	\$3.00	\$4.95	\$9.14	\$3.11	\$5.73	\$9.12	\$3.15	\$6.32
42	\$7.95	\$3.95	\$5.75	\$9.05	\$3.00	\$5.90	\$10.89	\$3.00	\$7.50
43	\$7.23	\$3.00	\$4.59	\$11.63	\$3.00	\$6.03	\$9.71	\$3.26	\$6.59
44	\$9.54	\$3.00	\$5.73	\$8.18	\$3.00	\$5.09	\$9.34	\$4.01	\$6.25
45	\$9.25	\$3.00	\$5.43	\$9.95	\$3.00	\$5.94	\$11.03	\$3.00	\$6.40
46	\$9.47	\$3.00	\$5.37	\$8.50	\$3.14	\$5.75	\$11.68	\$4.58	\$7.06
47	\$8.78	\$3.88	\$5.94	\$11.50	\$4.70	\$7.22	\$8.18	\$3.49	\$5.83
48	\$7.59	\$3.00	\$5.68	\$9.85	\$3.00	\$6.23	\$10.44	\$3.50	\$6.62
49	\$8.08	\$3.30	\$5.13	\$11.75	\$3.00	\$6.68	\$9.61	\$3.00	\$6.39
50	\$7.05	\$3.00	\$5.33	\$10.50	\$3.00	\$5.60	\$9.13	\$3.51	\$6.07
51	\$9.94	\$3.00	\$5.49	\$9.13	\$3.00	\$6.13	\$8.27	\$4.64	\$6.44
52	\$9.27	\$3.00	\$5.58	\$8.62	\$3.37	\$6.00	\$11.19	\$3.00	\$7.38

### Nymex Detail-Annual Ranges

Draw	2011			2012			2013		
	max	min	avg	max	min	avg	max	min	avg
53	\$8.02	\$3.00	\$4.78	\$12.48	\$3.46	\$6.40	\$8.23	\$3.00	\$6.12
54	\$8.04	\$3.00	\$5.62	\$9.63	\$3.00	\$4.91	\$10.28	\$3.44	\$6.53
55	\$6.91	\$3.00	\$5.18	\$9.61	\$3.70	\$6.94	\$9.63	\$3.42	\$7.24
56	\$7.92	\$3.00	\$4.57	\$8.41	\$3.00	\$5.47	\$8.87	\$3.80	\$6.32
57	\$9.96	\$3.00	\$5.67	\$7.11	\$3.69	\$5.25	\$10.51	\$3.00	\$7.00
58	\$9.29	\$3.00	\$5.47	\$10.20	\$3.00	\$6.22	\$8.54	\$3.00	\$6.02
59	\$7.97	\$3.00	\$4.44	\$9.10	\$3.61	\$6.61	\$11.64	\$3.75	\$6.64
60	\$6.44	\$3.00	\$4.16	\$10.51	\$5.00	\$6.78	\$8.90	\$3.00	\$5.98
61	\$9.17	\$3.00	\$6.02	\$12.28	\$3.81	\$6.94	\$12.82	\$3.00	\$6.96
62	\$6.83	\$3.00	\$5.11	\$7.99	\$3.00	\$5.49	\$8.62	\$3.39	\$6.57
63	\$8.72	\$3.00	\$5.01	\$9.89	\$3.73	\$6.34	\$9.54	\$3.00	\$7.05
64	\$8.87	\$3.12	\$5.20	\$9.41	\$3.00	\$5.56	\$10.40	\$3.00	\$6.37
65	\$7.83	\$3.00	\$5.06	\$7.95	\$3.00	\$5.28	\$10.04	\$3.00	\$6.63
66	\$7.54	\$3.49	\$5.63	\$9.72	\$3.00	\$5.51	\$10.64	\$3.53	\$6.58
67	\$9.21	\$3.00	\$5.52	\$9.38	\$3.00	\$6.18	\$9.82	\$3.25	\$5.97
68	\$9.11	\$3.00	\$5.36	\$9.19	\$3.00	\$5.95	\$10.51	\$3.00	\$6.36
69	\$9.64	\$3.00	\$5.96	\$8.19	\$4.35	\$5.77	\$8.91	\$3.00	\$6.14
70	\$8.61	\$3.00	\$5.23	\$9.56	\$3.00	\$6.45	\$7.89	\$3.00	\$6.02
71	\$9.24	\$3.00	\$6.32	\$9.70	\$3.76	\$6.90	\$10.11	\$3.00	\$6.95
72	\$7.27	\$3.00	\$4.78	\$9.69	\$4.49	\$6.51	\$9.83	\$3.50	\$6.46
73	\$7.56	\$3.00	\$5.07	\$7.61	\$3.16	\$5.63	\$8.30	\$3.00	\$6.27
74	\$8.75	\$3.84	\$5.50	\$6.61	\$3.00	\$4.98	\$10.60	\$4.30	\$6.72
75	\$9.43	\$3.15	\$5.69	\$8.46	\$3.29	\$5.08	\$8.99	\$3.00	\$5.74
76	\$8.78	\$3.00	\$5.49	\$7.46	\$3.00	\$4.89	\$7.24	\$3.00	\$5.85
77	\$8.38	\$3.00	\$4.77	\$8.47	\$3.00	\$6.17	\$10.29	\$3.59	\$6.05
78	\$9.40	\$3.00	\$6.04	\$8.55	\$3.00	\$5.91	\$7.45	\$3.00	\$5.65
79	\$7.71	\$3.00	\$5.40	\$8.43	\$3.00	\$5.00	\$8.46	\$3.00	\$6.09
80	\$8.87	\$3.00	\$5.34	\$10.09	\$3.57	\$6.07	\$9.69	\$3.09	\$6.03
81	\$9.02	\$3.00	\$5.69	\$8.80	\$3.00	\$6.34	\$9.59	\$3.00	\$6.42
82	\$8.85	\$3.00	\$5.46	\$11.34	\$3.00	\$5.39	\$8.74	\$3.00	\$5.61
83	\$9.90	\$3.00	\$4.61	\$8.11	\$3.00	\$5.41	\$10.35	\$3.33	\$6.06
84	\$8.94	\$3.00	\$5.16	\$9.92	\$3.20	\$6.93	\$11.09	\$3.00	\$7.24
85	\$9.39	\$3.00	\$5.53	\$8.34	\$4.16	\$6.27	\$11.09	\$3.00	\$6.20
86	\$7.57	\$3.00	\$5.01	\$10.79	\$3.00	\$6.23	\$8.66	\$4.66	\$6.11
87	\$7.04	\$3.00	\$4.98	\$9.60	\$3.46	\$6.58	\$9.39	\$3.00	\$7.50
88	\$7.30	\$3.00	\$4.60	\$7.76	\$3.33	\$5.45	\$7.30	\$4.42	\$5.74
89	\$9.76	\$3.00	\$6.12	\$7.39	\$3.81	\$5.55	\$8.35	\$3.72	\$6.31
90	\$10.31	\$3.00	\$5.98	\$13.09	\$3.00	\$6.14	\$9.90	\$5.13	\$7.29
91	\$8.78	\$3.00	\$5.46	\$9.25	\$3.00	\$5.30	\$8.56	\$3.00	\$5.96
92	\$9.31	\$3.00	\$5.30	\$9.17	\$3.00	\$5.72	\$8.05	\$4.78	\$6.37
93	\$7.44	\$3.00	\$4.98	\$8.71	\$3.00	\$5.75	\$10.84	\$4.89	\$7.62
94	\$7.47	\$3.00	\$4.59	\$8.87	\$3.00	\$5.82	\$8.74	\$3.00	\$6.32
95	\$8.82	\$3.00	\$5.16	\$7.79	\$3.00	\$6.12	\$8.49	\$3.24	\$6.29
96	\$6.96	\$3.00	\$4.46	\$7.73	\$3.68	\$5.89	\$8.53	\$3.00	\$6.13
97	\$7.81	\$3.00	\$5.36	\$9.51	\$3.00	\$5.71	\$10.15	\$3.00	\$5.95
98	\$8.08	\$3.00	\$5.29	\$7.14	\$3.00	\$4.92	\$8.44	\$3.03	\$5.48
99	\$9.76	\$3.00	\$5.17	\$8.68	\$4.56	\$6.15	\$9.29	\$3.66	\$6.27
100	\$9.17	\$3.00	\$4.89	\$9.82	\$3.00	\$5.49	\$10.33	\$3.68	\$6.65
101	\$8.13	\$3.00	\$6.13	\$9.30	\$3.00	\$5.03	\$10.93	\$3.44	\$6.62
102	\$9.39	\$3.00	\$5.63	\$9.64	\$5.24	\$7.02	\$8.00	\$3.74	\$6.32
103	\$7.30	\$3.00	\$5.24	\$9.40	\$3.00	\$6.45	\$9.31	\$4.54	\$6.56
104	\$7.12	\$3.00	\$5.20	\$7.83	\$3.00	\$5.58	\$12.18	\$3.00	\$6.22

### Nymex Detail-Annual Ranges

Draw	2011			2012			2013		
	max	min	avg	max	min	avg	max	min	avg
105	\$8.52	\$3.00	\$5.72	\$8.08	\$3.00	\$5.08	\$9.09	\$3.00	\$6.07
106	\$7.49	\$3.00	\$5.28	\$7.29	\$3.68	\$5.71	\$10.10	\$3.66	\$6.43
107	\$7.51	\$3.00	\$4.66	\$9.49	\$3.00	\$5.50	\$10.56	\$3.78	\$6.52
108	\$9.40	\$3.00	\$4.48	\$8.06	\$3.00	\$5.62	\$10.16	\$4.67	\$6.51
109	\$7.68	\$3.00	\$5.07	\$8.95	\$3.38	\$6.07	\$9.92	\$3.56	\$7.04
110	\$10.40	\$3.00	\$5.48	\$7.83	\$3.18	\$5.68	\$10.16	\$3.00	\$6.51
111	\$10.01	\$3.02	\$5.50	\$8.81	\$3.00	\$6.27	\$8.43	\$3.00	\$5.75
112	\$8.71	\$3.00	\$5.20	\$10.06	\$3.00	\$5.49	\$9.68	\$3.89	\$6.96
113	\$9.41	\$3.92	\$6.15	\$9.59	\$3.00	\$5.77	\$9.94	\$3.23	\$6.32
114	\$7.84	\$3.00	\$4.64	\$8.78	\$3.23	\$6.31	\$8.78	\$3.40	\$6.39
115	\$8.00	\$3.00	\$5.10	\$7.96	\$3.00	\$5.84	\$8.27	\$3.00	\$5.70
116	\$6.73	\$3.00	\$4.20	\$10.11	\$3.00	\$6.17	\$9.31	\$3.00	\$6.58
117	\$8.06	\$3.00	\$4.97	\$12.26	\$3.00	\$6.19	\$8.11	\$3.77	\$6.06
118	\$7.90	\$3.00	\$5.04	\$8.87	\$3.00	\$5.80	\$8.01	\$3.00	\$5.74
119	\$7.43	\$3.00	\$4.68	\$8.71	\$3.00	\$5.92	\$8.47	\$3.00	\$5.69
120	\$7.98	\$3.00	\$5.34	\$11.30	\$4.22	\$7.37	\$9.70	\$3.33	\$7.22
121	\$7.55	\$3.00	\$5.44	\$5.97	\$3.00	\$4.69	\$9.32	\$3.00	\$6.78
122	\$8.96	\$3.00	\$5.66	\$9.76	\$3.46	\$5.61	\$9.96	\$3.00	\$6.23
123	\$6.58	\$3.00	\$4.58	\$9.16	\$3.00	\$6.54	\$9.91	\$3.00	\$7.34
124	\$7.77	\$3.00	\$4.96	\$7.86	\$4.00	\$5.43	\$9.65	\$3.00	\$6.40
125	\$8.69	\$3.00	\$5.54	\$8.59	\$3.00	\$5.87	\$8.80	\$3.36	\$6.37
126	\$7.83	\$3.00	\$5.09	\$13.10	\$3.00	\$6.46	\$9.60	\$3.00	\$5.45
127	\$9.44	\$3.00	\$5.35	\$9.04	\$3.23	\$6.07	\$9.73	\$3.00	\$6.45
128	\$7.72	\$3.37	\$5.36	\$7.09	\$3.00	\$5.12	\$7.84	\$3.00	\$6.14
129	\$7.42	\$3.01	\$4.74	\$8.74	\$3.00	\$5.49	\$10.17	\$4.05	\$7.03
130	\$6.14	\$3.00	\$4.34	\$9.76	\$3.42	\$6.25	\$8.86	\$3.00	\$6.39
131	\$6.85	\$3.05	\$4.76	\$11.07	\$4.44	\$7.24	\$10.77	\$3.35	\$6.44
132	\$8.01	\$3.25	\$5.11	\$8.11	\$3.00	\$5.53	\$8.71	\$3.00	\$5.83
133	\$8.46	\$3.00	\$5.46	\$10.27	\$3.00	\$5.97	\$10.69	\$3.01	\$6.37
134	\$9.60	\$3.00	\$5.81	\$8.66	\$3.00	\$5.52	\$9.06	\$3.00	\$6.00
135	\$8.12	\$3.18	\$5.82	\$8.58	\$3.00	\$5.16	\$8.73	\$3.54	\$5.98
136	\$8.63	\$3.00	\$5.35	\$9.35	\$3.00	\$5.59	\$11.39	\$3.79	\$7.17
137	\$6.58	\$3.00	\$4.19	\$8.93	\$3.00	\$5.96	\$10.64	\$3.96	\$7.58
138	\$9.35	\$3.05	\$6.57	\$9.31	\$3.00	\$5.23	\$8.66	\$4.14	\$6.67
139	\$9.47	\$3.00	\$5.41	\$9.59	\$3.00	\$5.44	\$10.71	\$3.00	\$6.37
140	\$7.87	\$3.00	\$5.30	\$10.00	\$3.00	\$6.18	\$9.14	\$3.53	\$5.62
141	\$7.28	\$3.00	\$5.22	\$8.72	\$3.00	\$5.68	\$7.36	\$5.19	\$6.11
142	\$7.33	\$3.00	\$4.53	\$9.70	\$3.00	\$5.83	\$9.54	\$4.35	\$6.20
143	\$9.89	\$3.00	\$5.06	\$8.55	\$3.00	\$4.82	\$8.07	\$3.00	\$6.20
144	\$10.97	\$3.00	\$6.00	\$12.02	\$3.81	\$5.62	\$7.67	\$3.00	\$5.66
145	\$8.75	\$3.34	\$5.49	\$8.12	\$3.00	\$5.68	\$10.84	\$3.00	\$6.82
146	\$7.62	\$3.00	\$5.44	\$9.61	\$3.63	\$6.09	\$9.46	\$3.00	\$6.20
147	\$8.53	\$3.00	\$5.55	\$9.87	\$3.00	\$5.69	\$10.26	\$3.91	\$7.02
148	\$7.33	\$3.00	\$4.68	\$9.76	\$3.00	\$6.68	\$9.68	\$3.00	\$6.70
149	\$7.95	\$3.00	\$5.14	\$8.80	\$3.00	\$5.28	\$9.71	\$3.52	\$6.41
150	\$7.71	\$3.00	\$5.05	\$8.87	\$3.00	\$5.43	\$8.88	\$3.00	\$5.82
151	\$11.47	\$3.00	\$5.56	\$9.91	\$3.00	\$5.04	\$9.91	\$3.00	\$6.68
152	\$9.15	\$3.00	\$4.98	\$10.15	\$3.69	\$7.23	\$10.43	\$5.55	\$7.24
153	\$7.65	\$3.00	\$5.98	\$8.99	\$3.41	\$6.62	\$11.04	\$4.80	\$6.82
154	\$8.40	\$3.00	\$5.16	\$8.51	\$3.00	\$5.36	\$7.75	\$3.85	\$5.49
155	\$9.31	\$3.00	\$5.18	\$9.57	\$3.00	\$6.77	\$9.17	\$3.00	\$6.42
156	\$9.46	\$3.00	\$5.60	\$7.99	\$3.00	\$5.49	\$9.94	\$4.70	\$7.92

### Nymex Detail-Annual Ranges

Draw	2011			2012			2013		
	max	min	avg	max	min	avg	max	min	avg
157	\$8.39	\$3.00	\$4.30	\$9.45	\$4.51	\$7.22	\$10.93	\$3.00	\$6.37
158	\$9.77	\$3.00	\$5.63	\$9.07	\$3.32	\$6.47	\$10.45	\$3.00	\$6.27
159	\$7.15	\$3.00	\$4.91	\$8.88	\$3.00	\$6.21	\$9.91	\$3.00	\$5.77
160	\$6.67	\$3.00	\$4.31	\$9.33	\$3.00	\$5.29	\$9.81	\$3.79	\$7.11
161	\$10.87	\$3.00	\$6.35	\$9.17	\$3.00	\$5.88	\$10.18	\$3.54	\$7.31
162	\$6.35	\$3.00	\$4.85	\$11.66	\$3.00	\$5.62	\$7.10	\$3.00	\$5.03
163	\$9.96	\$5.41	\$6.82	\$9.91	\$3.00	\$6.61	\$9.47	\$3.24	\$6.38
164	\$7.72	\$3.00	\$4.95	\$11.75	\$3.00	\$5.91	\$10.19	\$3.25	\$6.03
165	\$9.34	\$3.05	\$6.36	\$9.30	\$3.00	\$5.80	\$9.16	\$4.52	\$6.47
166	\$8.69	\$3.57	\$6.24	\$7.61	\$3.00	\$6.03	\$10.00	\$3.00	\$5.81
167	\$9.71	\$3.00	\$4.91	\$8.20	\$3.00	\$5.55	\$10.10	\$3.00	\$5.96
168	\$6.38	\$3.00	\$4.39	\$9.71	\$5.38	\$7.21	\$10.81	\$3.00	\$7.14
169	\$7.13	\$3.00	\$4.66	\$10.62	\$3.00	\$6.43	\$8.94	\$3.00	\$5.98
170	\$9.60	\$3.00	\$4.77	\$8.01	\$3.67	\$5.43	\$7.82	\$3.99	\$6.24
171	\$6.85	\$3.00	\$4.90	\$8.47	\$5.00	\$6.83	\$7.73	\$3.49	\$5.85
172	\$8.84	\$3.00	\$5.52	\$7.83	\$3.00	\$5.48	\$9.33	\$3.00	\$6.17
173	\$8.07	\$3.00	\$5.39	\$9.30	\$3.00	\$5.39	\$8.08	\$3.05	\$5.97
174	\$7.70	\$3.00	\$4.60	\$9.92	\$5.51	\$6.66	\$11.74	\$3.00	\$6.67
175	\$10.03	\$3.00	\$5.76	\$7.82	\$3.09	\$5.48	\$6.29	\$3.00	\$5.16
176	\$7.67	\$3.00	\$5.56	\$9.66	\$3.00	\$6.13	\$8.99	\$3.80	\$6.88
177	\$7.88	\$3.00	\$4.75	\$10.40	\$3.01	\$6.55	\$10.46	\$3.00	\$6.25
178	\$7.50	\$3.00	\$5.26	\$7.40	\$3.00	\$5.43	\$9.62	\$3.04	\$7.33
179	\$8.88	\$3.00	\$4.85	\$8.45	\$3.08	\$5.63	\$9.77	\$5.75	\$7.63
180	\$9.95	\$3.00	\$6.29	\$10.73	\$3.00	\$6.73	\$8.61	\$3.09	\$5.69
181	\$8.76	\$3.00	\$5.31	\$10.96	\$3.60	\$6.88	\$9.22	\$3.00	\$5.52
182	\$7.83	\$3.00	\$5.09	\$9.12	\$3.00	\$5.85	\$7.74	\$3.11	\$5.56
183	\$12.07	\$3.78	\$6.12	\$6.57	\$3.00	\$4.39	\$7.53	\$3.00	\$5.40
184	\$11.84	\$3.00	\$6.66	\$9.50	\$3.43	\$5.97	\$11.49	\$3.00	\$7.02
185	\$7.79	\$3.00	\$5.56	\$8.76	\$3.00	\$5.87	\$8.43	\$4.14	\$6.24
186	\$9.47	\$3.00	\$6.26	\$9.60	\$3.00	\$5.93	\$10.23	\$3.00	\$6.81
187	\$8.44	\$3.00	\$5.12	\$7.19	\$3.00	\$5.47	\$8.92	\$3.00	\$6.49
188	\$8.81	\$3.00	\$5.78	\$9.07	\$3.00	\$5.83	\$10.40	\$3.00	\$6.37
189	\$8.37	\$3.05	\$5.33	\$9.79	\$4.51	\$6.87	\$8.30	\$3.24	\$5.66
190	\$8.36	\$3.00	\$5.53	\$8.25	\$3.00	\$5.48	\$10.56	\$3.00	\$6.89
191	\$8.11	\$3.00	\$5.28	\$13.03	\$3.00	\$7.02	\$11.96	\$4.30	\$7.04
192	\$8.10	\$3.00	\$4.96	\$7.89	\$3.00	\$5.80	\$11.01	\$3.96	\$6.98
193	\$8.99	\$3.00	\$4.39	\$9.17	\$3.00	\$5.77	\$9.16	\$3.00	\$6.18
194	\$9.03	\$3.00	\$5.80	\$8.39	\$3.00	\$5.91	\$8.85	\$3.00	\$6.05
195	\$7.20	\$3.00	\$4.87	\$8.37	\$4.18	\$6.35	\$10.16	\$3.00	\$6.58
196	\$8.65	\$3.00	\$5.15	\$10.15	\$3.16	\$6.63	\$10.61	\$4.64	\$7.09
197	\$7.52	\$3.00	\$5.46	\$9.60	\$3.40	\$6.23	\$10.85	\$3.00	\$6.74
198	\$7.76	\$3.00	\$4.68	\$8.41	\$3.40	\$6.45	\$8.06	\$3.00	\$5.21
199	\$11.73	\$3.00	\$5.96	\$11.12	\$3.00	\$5.91	\$9.20	\$3.00	\$6.37
200	\$9.80	\$3.00	\$5.34	\$8.64	\$4.46	\$6.55	\$9.34	\$3.00	\$6.89
<b>average</b>	\$8.46	\$3.06	\$5.29	\$9.23	\$3.27	\$5.93	\$9.53	\$3.41	\$6.39
Max	\$12.07			\$13.10			\$12.82		
Avg			\$5.29			\$5.93			\$6.39
Min	\$3.00			\$3.00			\$3.00		
Range	9.07			10.10			9.82		

### Nymex Detail-Annual Ranges

Draw	2014			2015			2016		
	max	min	avg	max	min	avg	max	min	avg
1	\$9.44	\$3.72	\$6.43	\$9.80	\$4.94	\$6.64	\$8.80	\$4.08	\$6.05
2	\$9.71	\$5.99	\$7.71	\$11.53	\$3.00	\$6.95	\$9.58	\$3.00	\$5.81
3	\$10.95	\$3.62	\$6.81	\$12.02	\$4.50	\$7.35	\$9.85	\$3.00	\$6.31
4	\$9.17	\$3.70	\$5.94	\$10.82	\$3.74	\$7.01	\$10.14	\$3.00	\$5.84
5	\$9.01	\$3.00	\$6.35	\$9.58	\$3.03	\$6.33	\$12.35	\$4.58	\$7.13
6	\$11.22	\$4.46	\$7.60	\$9.59	\$3.00	\$6.32	\$8.87	\$3.29	\$6.18
7	\$10.74	\$3.53	\$6.96	\$10.25	\$3.21	\$6.97	\$9.69	\$3.00	\$5.79
8	\$9.32	\$3.00	\$6.10	\$9.84	\$3.94	\$6.51	\$10.36	\$3.00	\$6.62
9	\$10.30	\$3.69	\$6.68	\$10.54	\$4.67	\$7.44	\$8.78	\$4.26	\$6.07
10	\$8.57	\$3.00	\$6.09	\$8.32	\$3.00	\$5.91	\$9.82	\$4.45	\$7.21
11	\$8.80	\$3.16	\$6.52	\$10.59	\$3.00	\$6.81	\$9.14	\$3.96	\$6.00
12	\$9.67	\$5.16	\$6.55	\$11.55	\$3.00	\$6.50	\$9.86	\$3.97	\$6.70
13	\$10.83	\$3.00	\$6.80	\$8.74	\$3.51	\$5.82	\$8.72	\$3.70	\$6.18
14	\$9.52	\$3.66	\$6.46	\$8.22	\$4.55	\$6.61	\$8.87	\$3.00	\$6.17
15	\$10.77	\$3.00	\$6.99	\$9.24	\$4.31	\$6.52	\$11.24	\$3.00	\$6.18
16	\$9.71	\$3.00	\$7.18	\$10.63	\$3.28	\$7.81	\$9.72	\$3.00	\$6.96
17	\$9.96	\$3.36	\$5.89	\$10.74	\$3.00	\$6.20	\$9.58	\$3.00	\$5.96
18	\$8.87	\$4.61	\$6.77	\$11.70	\$3.00	\$7.23	\$9.48	\$3.00	\$6.69
19	\$8.44	\$3.00	\$6.27	\$9.86	\$4.36	\$6.52	\$10.16	\$3.00	\$6.60
20	\$8.83	\$3.08	\$6.29	\$11.39	\$3.93	\$7.05	\$10.57	\$3.00	\$5.80
21	\$8.51	\$5.05	\$6.93	\$8.06	\$3.34	\$5.71	\$9.40	\$3.00	\$6.47
22	\$10.98	\$4.09	\$7.46	\$9.26	\$4.20	\$6.78	\$10.03	\$4.63	\$7.00
23	\$10.95	\$3.50	\$6.33	\$10.77	\$3.00	\$6.67	\$9.40	\$3.00	\$6.25
24	\$12.75	\$3.79	\$7.22	\$8.16	\$4.46	\$6.64	\$8.68	\$3.00	\$5.84
25	\$12.20	\$5.00	\$7.57	\$7.37	\$3.00	\$5.95	\$8.09	\$3.00	\$6.00
26	\$8.79	\$3.78	\$6.57	\$9.92	\$4.01	\$7.36	\$9.64	\$3.28	\$7.08
27	\$13.38	\$4.46	\$7.50	\$8.44	\$3.66	\$6.62	\$9.30	\$4.60	\$6.77
28	\$9.46	\$3.00	\$6.55	\$7.65	\$3.22	\$6.07	\$10.34	\$3.00	\$6.85
29	\$10.08	\$3.00	\$7.11	\$10.54	\$3.00	\$6.84	\$9.80	\$3.02	\$6.97
30	\$10.63	\$3.00	\$6.34	\$11.16	\$3.93	\$7.55	\$10.18	\$3.00	\$6.56
31	\$7.75	\$3.56	\$6.20	\$8.99	\$3.57	\$6.01	\$10.58	\$3.21	\$6.53
32	\$10.29	\$5.05	\$7.37	\$9.86	\$4.71	\$6.60	\$9.13	\$3.00	\$5.71
33	\$9.95	\$4.39	\$6.88	\$9.34	\$3.69	\$6.24	\$9.48	\$3.36	\$6.81
34	\$8.61	\$3.96	\$6.16	\$8.94	\$3.00	\$6.17	\$11.89	\$3.73	\$6.33
35	\$9.96	\$4.00	\$7.13	\$8.91	\$3.20	\$6.26	\$11.29	\$3.00	\$6.21
36	\$10.58	\$3.28	\$7.19	\$9.82	\$3.00	\$6.07	\$11.63	\$4.00	\$7.31
37	\$9.90	\$3.00	\$6.62	\$9.86	\$3.00	\$6.17	\$11.09	\$3.59	\$6.45
38	\$9.49	\$4.10	\$6.77	\$9.74	\$3.60	\$6.50	\$8.00	\$4.56	\$6.36
39	\$10.33	\$3.00	\$5.48	\$9.18	\$3.00	\$5.93	\$10.05	\$4.25	\$6.91
40	\$8.68	\$4.49	\$6.85	\$9.24	\$4.23	\$6.58	\$9.52	\$3.92	\$6.21
41	\$9.71	\$4.72	\$7.05	\$11.43	\$4.68	\$7.41	\$9.40	\$3.20	\$6.47
42	\$9.93	\$4.85	\$7.32	\$9.48	\$3.00	\$6.38	\$7.76	\$3.00	\$5.61
43	\$9.43	\$3.11	\$6.88	\$9.99	\$4.09	\$7.57	\$9.44	\$3.00	\$6.68
44	\$10.00	\$4.55	\$7.19	\$8.80	\$3.74	\$5.95	\$9.33	\$3.81	\$6.49
45	\$9.84	\$3.99	\$6.86	\$8.60	\$4.37	\$6.46	\$8.17	\$4.07	\$5.91
46	\$11.25	\$3.34	\$6.26	\$9.64	\$4.51	\$7.03	\$9.79	\$3.00	\$6.21
47	\$9.64	\$4.21	\$6.79	\$9.43	\$3.53	\$6.16	\$8.44	\$3.00	\$6.37
48	\$12.00	\$3.00	\$6.73	\$9.06	\$3.44	\$6.23	\$9.95	\$3.71	\$6.36
49	\$9.66	\$4.12	\$7.24	\$8.40	\$3.00	\$5.59	\$10.39	\$3.21	\$7.08
50	\$8.85	\$3.00	\$5.87	\$9.94	\$3.00	\$6.57	\$9.44	\$4.14	\$6.54
51	\$10.18	\$3.00	\$6.84	\$9.67	\$3.56	\$6.37	\$9.08	\$3.00	\$6.05
52	\$11.30	\$3.00	\$7.31	\$10.83	\$3.31	\$7.48	\$9.91	\$4.22	\$6.52

### Nymex Detail-Annual Ranges

Draw	2014			2015			2016		
	max	min	avg	max	min	avg	max	min	avg
53	\$12.55	\$4.47	\$7.78	\$11.19	\$3.12	\$6.16	\$9.42	\$3.00	\$6.81
54	\$9.96	\$3.41	\$6.71	\$9.85	\$4.25	\$6.53	\$10.13	\$3.10	\$6.46
55	\$9.86	\$5.70	\$7.66	\$10.10	\$3.00	\$6.04	\$10.60	\$3.00	\$6.34
56	\$9.37	\$3.12	\$6.45	\$10.07	\$3.40	\$5.88	\$10.63	\$3.00	\$6.84
57	\$10.87	\$3.00	\$6.89	\$8.84	\$3.00	\$5.65	\$8.72	\$3.00	\$5.76
58	\$11.00	\$3.52	\$6.30	\$11.75	\$3.00	\$7.05	\$9.08	\$3.31	\$6.29
59	\$10.55	\$3.55	\$6.44	\$9.39	\$3.00	\$6.68	\$10.20	\$3.00	\$6.22
60	\$10.02	\$3.11	\$6.73	\$9.08	\$3.00	\$5.63	\$11.44	\$3.18	\$6.50
61	\$10.82	\$3.00	\$6.69	\$8.38	\$3.63	\$6.20	\$9.64	\$3.00	\$6.10
62	\$10.51	\$3.00	\$7.06	\$9.94	\$3.00	\$6.29	\$8.10	\$4.04	\$6.22
63	\$10.21	\$3.00	\$6.60	\$9.29	\$3.00	\$6.34	\$10.19	\$3.21	\$6.88
64	\$8.53	\$4.32	\$6.79	\$10.39	\$3.00	\$6.26	\$9.54	\$3.74	\$6.15
65	\$10.14	\$3.36	\$5.82	\$13.29	\$3.00	\$7.12	\$8.72	\$3.00	\$5.82
66	\$10.13	\$3.17	\$6.69	\$9.95	\$3.71	\$6.62	\$9.32	\$3.00	\$6.26
67	\$9.74	\$3.13	\$6.62	\$9.63	\$3.30	\$6.03	\$7.93	\$3.00	\$5.50
68	\$10.36	\$6.05	\$8.05	\$11.53	\$4.27	\$6.83	\$10.51	\$3.73	\$6.95
69	\$10.70	\$4.08	\$6.52	\$10.64	\$3.49	\$6.43	\$10.98	\$4.13	\$6.67
70	\$11.57	\$3.00	\$6.39	\$7.86	\$3.16	\$5.68	\$9.73	\$3.39	\$7.48
71	\$9.72	\$3.00	\$5.73	\$10.24	\$3.00	\$6.14	\$10.33	\$3.00	\$6.95
72	\$9.15	\$3.00	\$5.99	\$11.01	\$3.00	\$6.19	\$9.07	\$3.26	\$6.05
73	\$11.77	\$3.00	\$6.18	\$10.12	\$3.07	\$5.81	\$10.47	\$3.00	\$5.99
74	\$11.15	\$3.00	\$7.08	\$10.76	\$3.66	\$6.34	\$9.41	\$3.00	\$6.54
75	\$8.53	\$3.00	\$6.60	\$8.97	\$4.06	\$6.91	\$8.94	\$3.00	\$6.17
76	\$10.88	\$3.00	\$7.18	\$11.49	\$3.05	\$5.97	\$10.02	\$3.00	\$5.84
77	\$9.20	\$4.08	\$6.75	\$8.16	\$3.73	\$6.13	\$10.11	\$3.00	\$7.42
78	\$10.68	\$5.24	\$7.66	\$11.53	\$3.00	\$6.95	\$11.44	\$3.00	\$5.99
79	\$7.96	\$3.00	\$5.91	\$10.04	\$3.26	\$7.17	\$9.67	\$4.19	\$6.87
80	\$10.34	\$3.63	\$6.59	\$8.74	\$3.74	\$6.49	\$9.87	\$4.18	\$6.89
81	\$10.09	\$3.00	\$6.71	\$11.10	\$3.00	\$6.27	\$12.01	\$5.66	\$7.90
82	\$9.02	\$3.05	\$6.37	\$10.95	\$3.48	\$6.22	\$7.50	\$3.00	\$5.45
83	\$13.08	\$3.57	\$7.18	\$9.14	\$4.09	\$6.28	\$12.18	\$3.01	\$7.08
84	\$9.95	\$3.82	\$6.91	\$8.56	\$3.00	\$6.51	\$9.38	\$3.00	\$6.46
85	\$9.38	\$3.02	\$5.68	\$10.61	\$4.07	\$6.51	\$9.52	\$4.42	\$6.84
86	\$11.08	\$4.74	\$6.95	\$8.98	\$4.48	\$6.47	\$7.88	\$3.00	\$5.42
87	\$9.65	\$3.00	\$5.95	\$9.83	\$3.00	\$6.20	\$10.92	\$3.86	\$6.24
88	\$10.96	\$3.00	\$6.64	\$8.77	\$5.11	\$6.72	\$9.46	\$3.12	\$6.56
89	\$10.16	\$3.00	\$6.60	\$10.30	\$3.00	\$6.59	\$8.44	\$4.15	\$6.21
90	\$9.97	\$3.00	\$6.60	\$8.31	\$3.64	\$5.17	\$10.72	\$3.00	\$7.07
91	\$9.41	\$3.00	\$6.73	\$9.70	\$3.00	\$6.31	\$9.23	\$3.00	\$6.39
92	\$9.47	\$3.41	\$5.99	\$11.02	\$3.29	\$6.28	\$11.31	\$4.35	\$8.04
93	\$9.45	\$4.60	\$6.76	\$10.81	\$4.16	\$7.01	\$10.15	\$3.00	\$7.43
94	\$10.54	\$4.00	\$6.91	\$10.58	\$3.00	\$6.97	\$10.84	\$3.00	\$7.06
95	\$10.49	\$4.54	\$6.72	\$10.65	\$3.00	\$6.83	\$8.80	\$3.00	\$6.43
96	\$9.71	\$3.98	\$6.46	\$9.65	\$3.00	\$6.24	\$8.42	\$3.39	\$6.39
97	\$9.46	\$3.74	\$6.64	\$10.78	\$3.00	\$5.17	\$11.50	\$3.07	\$7.48
98	\$9.70	\$3.69	\$6.25	\$9.90	\$4.07	\$6.60	\$8.06	\$3.00	\$6.11
99	\$11.02	\$3.00	\$7.51	\$9.68	\$3.00	\$6.07	\$11.78	\$3.78	\$6.52
100	\$9.12	\$4.73	\$6.84	\$9.66	\$4.35	\$6.83	\$9.41	\$3.57	\$6.47
101	\$10.20	\$4.03	\$7.04	\$8.72	\$3.56	\$5.98	\$11.40	\$3.67	\$6.40
102	\$8.72	\$3.43	\$6.53	\$9.01	\$4.14	\$6.20	\$8.35	\$5.09	\$6.76
103	\$8.79	\$4.20	\$6.51	\$8.58	\$3.00	\$5.95	\$8.75	\$3.87	\$6.49
104	\$10.71	\$3.33	\$6.33	\$10.65	\$3.00	\$7.57	\$9.93	\$3.23	\$6.49

### Nymex Detail-Annual Ranges

Draw	2014			2015			2016		
	max	min	avg	max	min	avg	max	min	avg
105	\$10.88	\$4.08	\$6.77	\$10.13	\$3.15	\$6.54	\$11.77	\$3.00	\$6.66
106	\$10.26	\$4.39	\$7.05	\$10.72	\$3.45	\$6.23	\$8.25	\$3.00	\$5.78
107	\$10.57	\$3.69	\$7.06	\$9.26	\$4.93	\$6.54	\$10.40	\$4.74	\$7.23
108	\$9.31	\$3.97	\$6.30	\$8.22	\$4.15	\$6.01	\$13.23	\$3.24	\$7.13
109	\$10.97	\$3.00	\$6.77	\$8.47	\$4.58	\$6.18	\$9.25	\$3.00	\$6.80
110	\$10.34	\$3.20	\$6.68	\$7.69	\$3.00	\$5.03	\$11.16	\$3.00	\$6.38
111	\$8.82	\$3.00	\$6.38	\$11.16	\$3.00	\$7.56	\$8.73	\$3.00	\$5.68
112	\$9.04	\$3.42	\$6.34	\$9.37	\$3.48	\$6.28	\$9.86	\$3.83	\$6.52
113	\$7.92	\$3.00	\$5.46	\$11.08	\$3.00	\$5.22	\$11.17	\$3.00	\$6.43
114	\$9.88	\$3.28	\$6.96	\$8.62	\$3.42	\$6.71	\$9.16	\$5.05	\$6.77
115	\$8.71	\$3.00	\$6.30	\$9.06	\$4.65	\$6.68	\$9.32	\$3.00	\$6.46
116	\$10.07	\$3.00	\$6.78	\$10.38	\$3.00	\$6.46	\$11.07	\$3.00	\$6.74
117	\$9.90	\$3.00	\$6.08	\$10.58	\$3.03	\$6.60	\$9.00	\$4.23	\$6.85
118	\$10.89	\$5.07	\$7.94	\$9.35	\$4.17	\$6.96	\$9.94	\$5.71	\$7.68
119	\$10.43	\$4.16	\$7.03	\$9.87	\$5.09	\$6.99	\$9.12	\$3.00	\$6.48
120	\$9.32	\$4.02	\$6.81	\$10.28	\$3.47	\$6.21	\$9.59	\$4.29	\$6.98
121	\$9.86	\$3.15	\$6.58	\$9.26	\$4.56	\$6.61	\$9.97	\$3.00	\$6.45
122	\$8.53	\$3.60	\$6.44	\$8.63	\$3.42	\$6.02	\$12.55	\$3.23	\$8.33
123	\$10.62	\$3.47	\$7.16	\$9.25	\$3.44	\$5.93	\$8.40	\$3.44	\$6.34
124	\$10.06	\$3.00	\$6.55	\$10.18	\$3.00	\$6.52	\$9.22	\$3.00	\$5.83
125	\$9.72	\$3.02	\$6.52	\$8.23	\$3.00	\$6.34	\$9.70	\$3.00	\$5.49
126	\$12.27	\$4.58	\$8.35	\$9.67	\$3.00	\$5.80	\$10.16	\$4.06	\$7.20
127	\$9.24	\$3.79	\$6.05	\$10.66	\$4.41	\$6.48	\$10.02	\$3.03	\$5.86
128	\$11.53	\$3.85	\$7.45	\$9.92	\$4.47	\$7.22	\$9.05	\$3.85	\$6.94
129	\$9.54	\$4.20	\$6.91	\$9.50	\$3.42	\$6.50	\$8.96	\$3.00	\$6.42
130	\$10.01	\$3.43	\$6.62	\$8.91	\$3.00	\$5.91	\$7.95	\$3.00	\$5.28
131	\$11.45	\$4.07	\$6.54	\$12.26	\$4.22	\$7.33	\$10.17	\$3.00	\$6.21
132	\$8.15	\$4.05	\$5.92	\$9.89	\$3.74	\$6.18	\$8.83	\$4.42	\$5.84
133	\$8.93	\$3.02	\$6.35	\$9.71	\$4.29	\$6.90	\$8.38	\$3.62	\$6.05
134	\$10.07	\$3.98	\$6.90	\$11.41	\$3.00	\$5.97	\$12.22	\$3.88	\$7.53
135	\$8.82	\$3.00	\$6.03	\$9.62	\$3.00	\$6.33	\$8.67	\$4.11	\$6.70
136	\$10.00	\$3.00	\$6.69	\$10.67	\$3.35	\$6.56	\$8.93	\$3.00	\$6.29
137	\$11.68	\$4.10	\$6.88	\$8.93	\$3.00	\$6.15	\$8.90	\$4.28	\$6.65
138	\$11.62	\$3.99	\$7.03	\$6.85	\$3.62	\$5.36	\$11.98	\$3.00	\$7.50
139	\$11.07	\$3.48	\$6.73	\$10.69	\$4.35	\$6.68	\$10.32	\$3.00	\$6.82
140	\$11.02	\$3.00	\$6.06	\$10.29	\$3.41	\$7.30	\$8.57	\$3.63	\$6.84
141	\$10.18	\$3.00	\$6.56	\$10.53	\$3.00	\$6.07	\$8.20	\$3.80	\$6.26
142	\$9.82	\$3.62	\$7.11	\$8.68	\$3.00	\$5.35	\$9.16	\$3.46	\$6.93
143	\$9.94	\$4.58	\$7.00	\$9.35	\$3.00	\$5.89	\$9.09	\$4.22	\$6.57
144	\$10.61	\$4.31	\$6.40	\$7.91	\$3.00	\$5.93	\$12.37	\$4.58	\$7.78
145	\$9.99	\$3.37	\$6.73	\$9.37	\$3.00	\$6.73	\$9.62	\$3.90	\$6.37
146	\$9.44	\$3.00	\$6.10	\$11.37	\$3.96	\$6.66	\$9.91	\$3.65	\$6.58
147	\$9.45	\$3.00	\$6.93	\$9.75	\$3.98	\$6.22	\$9.93	\$3.00	\$6.17
148	\$10.85	\$4.40	\$7.10	\$9.01	\$3.00	\$6.09	\$10.22	\$4.67	\$6.82
149	\$7.99	\$4.29	\$6.51	\$10.43	\$3.00	\$6.46	\$9.96	\$3.00	\$6.22
150	\$8.16	\$4.54	\$6.54	\$10.61	\$3.00	\$7.11	\$9.80	\$3.00	\$6.33
151	\$10.62	\$3.61	\$7.02	\$7.35	\$3.23	\$5.80	\$9.43	\$3.00	\$6.76
152	\$9.87	\$3.02	\$6.41	\$9.21	\$3.00	\$6.21	\$8.38	\$3.00	\$6.23
153	\$10.91	\$3.83	\$7.22	\$9.11	\$4.92	\$6.87	\$9.38	\$3.92	\$6.67
154	\$9.15	\$3.00	\$6.26	\$7.83	\$3.74	\$5.80	\$8.55	\$3.32	\$6.15
155	\$11.36	\$4.94	\$6.39	\$10.28	\$3.00	\$5.77	\$8.46	\$3.00	\$6.79
156	\$10.21	\$3.00	\$5.94	\$9.83	\$3.73	\$6.99	\$13.40	\$4.62	\$7.90



### Nymex Detail-Annual Ranges

Draw	2014			2015			2016		
	max	min	avg	max	min	avg	max	min	avg
157	\$10.50	\$3.00	\$6.73	\$10.88	\$3.93	\$6.66	\$11.19	\$4.62	\$6.89
158	\$11.54	\$3.00	\$6.59	\$8.09	\$4.94	\$6.65	\$8.07	\$3.00	\$5.96
159	\$8.72	\$3.00	\$6.15	\$10.18	\$3.00	\$6.79	\$8.88	\$3.00	\$5.74
160	\$8.31	\$3.00	\$5.98	\$9.49	\$3.74	\$5.87	\$10.09	\$3.00	\$6.59
161	\$10.47	\$3.00	\$6.57	\$11.67	\$3.00	\$6.38	\$10.28	\$3.00	\$7.24
162	\$10.70	\$4.09	\$7.02	\$8.36	\$3.00	\$6.08	\$8.59	\$3.00	\$6.10
163	\$8.01	\$3.00	\$5.67	\$8.26	\$3.00	\$5.77	\$10.34	\$3.47	\$6.52
164	\$10.59	\$3.09	\$6.75	\$9.22	\$3.00	\$6.40	\$10.76	\$3.00	\$7.37
165	\$9.11	\$3.00	\$6.44	\$9.63	\$3.84	\$7.01	\$8.51	\$4.12	\$6.88
166	\$9.43	\$3.95	\$6.93	\$9.85	\$3.00	\$6.31	\$10.12	\$3.00	\$6.31
167	\$9.22	\$3.00	\$6.79	\$10.95	\$3.00	\$6.84	\$8.39	\$3.00	\$6.12
168	\$7.24	\$3.09	\$5.63	\$10.66	\$5.21	\$7.31	\$9.79	\$3.28	\$6.39
169	\$11.09	\$3.00	\$6.91	\$8.37	\$3.54	\$5.78	\$11.33	\$3.46	\$6.84
170	\$9.75	\$3.00	\$6.26	\$10.74	\$3.00	\$6.50	\$8.64	\$4.12	\$6.14
171	\$9.48	\$5.60	\$7.28	\$10.14	\$3.34	\$6.69	\$8.63	\$4.17	\$6.39
172	\$9.00	\$4.10	\$6.21	\$11.04	\$3.00	\$6.85	\$8.28	\$3.00	\$5.88
173	\$9.65	\$4.23	\$7.06	\$10.10	\$4.66	\$7.10	\$8.11	\$3.00	\$5.78
174	\$11.36	\$3.00	\$6.73	\$10.46	\$3.00	\$6.60	\$8.33	\$3.00	\$6.17
175	\$10.82	\$5.11	\$6.95	\$10.75	\$4.41	\$7.51	\$7.80	\$3.93	\$6.22
176	\$9.86	\$3.00	\$6.32	\$8.29	\$4.22	\$6.08	\$9.31	\$3.00	\$6.20
177	\$8.81	\$3.00	\$5.81	\$10.91	\$3.44	\$7.15	\$9.73	\$3.00	\$6.43
178	\$9.68	\$3.00	\$6.72	\$8.71	\$5.36	\$6.79	\$8.44	\$3.00	\$5.59
179	\$9.20	\$3.00	\$7.16	\$9.65	\$4.86	\$7.08	\$10.95	\$3.04	\$6.57
180	\$10.00	\$3.00	\$7.13	\$10.04	\$3.00	\$6.51	\$10.06	\$3.00	\$5.86
181	\$9.97	\$3.61	\$6.67	\$12.41	\$3.00	\$7.61	\$9.14	\$4.59	\$6.49
182	\$10.10	\$3.00	\$5.93	\$10.43	\$3.00	\$5.52	\$9.72	\$3.00	\$6.21
183	\$11.40	\$4.28	\$6.78	\$10.31	\$3.00	\$5.92	\$9.82	\$3.00	\$6.03
184	\$8.58	\$4.99	\$7.09	\$11.99	\$3.00	\$6.76	\$10.30	\$3.00	\$6.04
185	\$10.74	\$4.74	\$7.30	\$9.13	\$3.00	\$6.03	\$9.42	\$3.21	\$6.43
186	\$12.43	\$3.00	\$6.85	\$12.29	\$3.00	\$7.32	\$10.23	\$4.81	\$6.81
187	\$10.67	\$3.26	\$6.49	\$9.57	\$3.00	\$6.22	\$9.40	\$3.00	\$6.48
188	\$8.60	\$3.00	\$6.08	\$9.91	\$4.43	\$6.78	\$10.22	\$3.57	\$6.07
189	\$8.07	\$4.94	\$6.30	\$9.59	\$3.00	\$6.23	\$8.54	\$3.00	\$6.40
190	\$8.69	\$3.00	\$6.24	\$8.91	\$3.25	\$6.06	\$8.90	\$3.00	\$5.59
191	\$11.64	\$4.41	\$6.35	\$9.74	\$3.61	\$6.84	\$9.93	\$3.00	\$6.96
192	\$9.26	\$3.00	\$5.87	\$8.05	\$4.33	\$5.86	\$9.92	\$3.09	\$7.09
193	\$11.25	\$4.54	\$7.25	\$10.63	\$3.57	\$7.01	\$9.87	\$3.00	\$6.34
194	\$10.15	\$4.99	\$7.38	\$8.86	\$3.00	\$5.94	\$9.19	\$3.00	\$6.69
195	\$9.50	\$3.00	\$5.95	\$9.63	\$3.00	\$6.95	\$11.86	\$6.00	\$7.57
196	\$9.43	\$3.00	\$6.21	\$9.03	\$3.00	\$6.82	\$7.61	\$3.00	\$5.57
197	\$8.55	\$4.26	\$6.85	\$9.32	\$4.64	\$6.28	\$13.78	\$3.00	\$7.23
198	\$9.99	\$3.03	\$7.38	\$11.99	\$3.00	\$6.27	\$9.95	\$3.96	\$6.33
199	\$8.73	\$3.00	\$6.58	\$10.98	\$3.00	\$7.33	\$8.93	\$3.59	\$6.57
200	\$10.24	\$3.73	\$6.63	\$10.36	\$3.85	\$7.15	\$11.16	\$3.81	\$7.17
<b>average</b>	\$9.98	\$3.63	\$6.67	\$9.81	\$3.53	\$6.46	\$9.73	\$3.45	\$6.49
Max	\$13.38			\$13.29			\$13.78		
Avg			\$6.67			\$6.46			\$6.49
Min	\$3.00			\$3.00			\$3.00		
Range	10.38			10.29			10.78		

### Nymex Detail-Annual Ranges

Draw	2017			2018			2019		
	max	min	avg	max	min	avg	max	min	avg
1	\$10.86	\$3.00	\$6.26	\$9.70	\$6.04	\$7.55	\$9.04	\$3.46	\$6.35
2	\$9.93	\$3.00	\$6.54	\$10.01	\$3.00	\$6.94	\$9.00	\$4.42	\$6.72
3	\$9.32	\$5.69	\$7.22	\$10.83	\$4.17	\$6.79	\$11.21	\$3.63	\$6.21
4	\$7.98	\$3.00	\$6.07	\$9.90	\$3.97	\$6.65	\$9.98	\$4.40	\$6.88
5	\$9.24	\$3.36	\$6.46	\$9.43	\$3.00	\$6.71	\$9.56	\$4.68	\$7.22
6	\$9.78	\$4.68	\$7.13	\$8.85	\$3.00	\$7.15	\$11.14	\$4.25	\$7.88
7	\$10.54	\$4.83	\$7.68	\$10.66	\$3.00	\$7.42	\$10.51	\$4.03	\$7.25
8	\$10.22	\$3.91	\$7.32	\$13.46	\$3.86	\$7.41	\$11.28	\$3.16	\$6.80
9	\$10.62	\$4.52	\$7.54	\$12.35	\$4.94	\$6.93	\$8.78	\$3.00	\$5.80
10	\$9.28	\$3.41	\$6.96	\$9.47	\$4.65	\$7.23	\$9.68	\$3.72	\$6.64
11	\$9.59	\$3.43	\$6.68	\$8.84	\$3.00	\$6.90	\$8.89	\$4.31	\$6.51
12	\$11.64	\$3.94	\$7.35	\$9.27	\$3.11	\$6.47	\$9.50	\$3.00	\$5.61
13	\$11.04	\$3.41	\$7.15	\$10.17	\$3.68	\$7.40	\$9.48	\$3.00	\$5.83
14	\$9.73	\$3.33	\$6.79	\$8.44	\$3.00	\$6.16	\$9.57	\$3.00	\$5.77
15	\$8.64	\$3.38	\$6.51	\$13.26	\$3.00	\$7.14	\$8.42	\$3.28	\$6.54
16	\$9.10	\$5.27	\$7.15	\$9.15	\$3.00	\$6.73	\$12.27	\$3.00	\$6.67
17	\$10.68	\$3.00	\$7.13	\$10.17	\$5.63	\$6.98	\$8.95	\$3.00	\$5.89
18	\$11.52	\$3.00	\$6.58	\$12.16	\$4.85	\$7.16	\$11.60	\$4.36	\$7.10
19	\$10.30	\$3.00	\$6.88	\$10.89	\$3.57	\$7.37	\$7.46	\$3.09	\$5.98
20	\$8.02	\$4.51	\$6.67	\$10.67	\$4.62	\$6.84	\$8.36	\$3.92	\$6.56
21	\$8.72	\$4.12	\$6.25	\$10.57	\$3.21	\$7.57	\$10.14	\$3.00	\$6.55
22	\$12.09	\$5.29	\$7.08	\$11.22	\$4.19	\$7.00	\$10.35	\$3.71	\$6.39
23	\$10.80	\$3.90	\$6.91	\$9.48	\$3.11	\$6.94	\$10.69	\$3.46	\$6.84
24	\$8.78	\$3.59	\$6.98	\$11.96	\$3.20	\$7.50	\$9.89	\$4.69	\$6.90
25	\$8.71	\$3.30	\$5.91	\$7.31	\$3.74	\$5.86	\$8.98	\$3.00	\$5.95
26	\$10.76	\$4.81	\$6.94	\$9.65	\$3.82	\$6.60	\$9.20	\$3.00	\$5.84
27	\$11.23	\$3.00	\$6.58	\$10.41	\$3.71	\$7.55	\$8.91	\$4.49	\$6.62
28	\$9.49	\$3.00	\$6.31	\$10.68	\$4.00	\$7.14	\$9.77	\$3.57	\$6.75
29	\$9.04	\$4.55	\$6.96	\$11.52	\$6.22	\$8.50	\$9.92	\$3.88	\$6.53
30	\$11.21	\$3.00	\$6.91	\$11.46	\$4.52	\$7.73	\$8.77	\$4.07	\$6.67
31	\$9.66	\$5.38	\$7.14	\$9.53	\$4.20	\$7.17	\$10.98	\$3.00	\$6.10
32	\$8.91	\$3.00	\$6.04	\$8.69	\$4.22	\$6.42	\$10.30	\$3.00	\$6.34
33	\$8.33	\$3.00	\$5.25	\$10.92	\$3.00	\$7.43	\$8.87	\$3.66	\$6.10
34	\$10.40	\$4.81	\$6.39	\$8.20	\$3.00	\$5.73	\$10.73	\$3.00	\$6.00
35	\$10.26	\$5.12	\$7.07	\$8.36	\$3.00	\$5.90	\$9.19	\$3.00	\$6.48
36	\$11.34	\$3.27	\$7.72	\$8.79	\$3.71	\$5.78	\$9.97	\$3.00	\$6.30
37	\$12.05	\$3.40	\$6.26	\$10.57	\$4.23	\$6.30	\$10.57	\$4.65	\$6.38
38	\$7.79	\$3.23	\$6.25	\$10.16	\$3.52	\$7.03	\$8.57	\$3.05	\$7.19
39	\$9.37	\$4.96	\$6.94	\$9.56	\$3.00	\$6.69	\$7.19	\$3.00	\$5.62
40	\$8.41	\$3.84	\$5.99	\$9.99	\$4.49	\$6.75	\$9.10	\$3.00	\$6.14
41	\$9.00	\$3.09	\$6.88	\$9.00	\$3.48	\$6.59	\$11.67	\$3.00	\$6.33
42	\$7.65	\$3.00	\$5.63	\$10.46	\$3.00	\$6.37	\$8.63	\$3.40	\$6.02
43	\$9.52	\$3.00	\$6.14	\$8.95	\$3.00	\$6.58	\$9.43	\$3.88	\$6.81
44	\$9.01	\$3.00	\$6.67	\$10.47	\$5.05	\$7.54	\$10.19	\$4.31	\$7.52
45	\$12.28	\$5.65	\$7.97	\$9.61	\$3.10	\$6.24	\$8.59	\$4.40	\$6.02
46	\$10.16	\$3.25	\$7.06	\$10.44	\$3.93	\$6.53	\$9.52	\$3.64	\$7.07
47	\$10.06	\$3.00	\$6.01	\$11.28	\$3.84	\$7.37	\$9.06	\$3.72	\$6.78
48	\$9.84	\$3.00	\$6.46	\$7.82	\$4.12	\$6.62	\$8.30	\$3.96	\$6.30
49	\$8.74	\$3.12	\$6.45	\$11.16	\$4.31	\$6.92	\$10.36	\$3.00	\$6.60
50	\$8.48	\$3.56	\$6.68	\$12.07	\$4.55	\$7.12	\$10.24	\$3.96	\$8.03
51	\$9.88	\$3.74	\$7.30	\$11.01	\$4.49	\$6.96	\$10.61	\$3.77	\$6.56
52	\$8.54	\$3.42	\$6.75	\$9.43	\$3.00	\$7.22	\$8.92	\$3.00	\$5.80

### Nymex Detail-Annual Ranges

Draw	2017			2018			2019		
	max	min	avg	max	min	avg	max	min	avg
53	\$8.56	\$3.00	\$6.05	\$11.97	\$5.72	\$8.12	\$9.22	\$3.75	\$6.88
54	\$7.57	\$3.00	\$5.54	\$10.29	\$4.92	\$6.47	\$10.89	\$4.38	\$7.16
55	\$9.70	\$3.00	\$6.43	\$11.97	\$5.83	\$8.08	\$10.31	\$4.96	\$6.94
56	\$9.96	\$3.89	\$6.90	\$11.43	\$4.45	\$7.17	\$10.70	\$4.94	\$7.25
57	\$8.63	\$3.00	\$5.40	\$10.57	\$3.00	\$7.11	\$8.67	\$4.34	\$6.73
58	\$11.07	\$3.00	\$6.55	\$9.06	\$3.20	\$6.56	\$11.54	\$5.53	\$8.06
59	\$9.91	\$4.92	\$7.17	\$8.67	\$3.66	\$6.26	\$9.44	\$3.71	\$6.21
60	\$10.19	\$4.95	\$7.04	\$11.77	\$4.63	\$7.91	\$8.74	\$3.49	\$6.46
61	\$8.87	\$4.10	\$6.51	\$9.68	\$3.26	\$7.17	\$9.37	\$3.00	\$6.89
62	\$9.86	\$3.00	\$6.06	\$10.64	\$3.45	\$7.49	\$11.59	\$3.51	\$7.22
63	\$8.74	\$3.50	\$6.44	\$10.09	\$3.00	\$6.79	\$10.08	\$3.00	\$5.90
64	\$10.26	\$3.00	\$6.65	\$12.50	\$3.79	\$7.10	\$9.11	\$3.00	\$6.20
65	\$11.81	\$3.27	\$7.30	\$8.42	\$3.00	\$5.86	\$8.55	\$3.00	\$5.71
66	\$9.96	\$3.00	\$6.65	\$9.32	\$4.37	\$7.83	\$10.62	\$4.16	\$6.49
67	\$8.57	\$3.00	\$6.37	\$8.18	\$3.14	\$6.08	\$10.65	\$3.42	\$6.07
68	\$9.73	\$4.31	\$7.38	\$10.58	\$3.00	\$7.08	\$9.89	\$3.71	\$6.42
69	\$9.30	\$3.46	\$6.02	\$11.82	\$3.07	\$7.18	\$10.09	\$3.29	\$7.13
70	\$10.49	\$3.37	\$7.22	\$10.55	\$4.08	\$7.60	\$11.89	\$4.64	\$6.90
71	\$10.00	\$4.41	\$7.12	\$9.24	\$3.91	\$5.63	\$8.83	\$3.00	\$5.97
72	\$9.01	\$4.15	\$6.38	\$12.09	\$4.13	\$7.91	\$10.37	\$4.54	\$6.70
73	\$7.85	\$3.96	\$6.27	\$9.98	\$3.00	\$7.03	\$11.13	\$4.47	\$6.75
74	\$9.89	\$4.68	\$6.31	\$11.92	\$3.33	\$6.89	\$11.45	\$3.98	\$6.67
75	\$9.43	\$3.48	\$5.77	\$10.38	\$4.77	\$7.22	\$8.64	\$3.00	\$6.37
76	\$9.38	\$4.88	\$6.98	\$8.37	\$4.66	\$6.57	\$9.28	\$4.42	\$7.16
77	\$8.84	\$3.00	\$6.16	\$10.66	\$4.20	\$7.76	\$9.70	\$3.75	\$6.23
78	\$10.55	\$3.82	\$7.14	\$8.71	\$3.24	\$6.05	\$11.45	\$4.78	\$7.53
79	\$10.58	\$4.70	\$6.59	\$9.08	\$5.40	\$7.22	\$8.35	\$3.00	\$5.65
80	\$8.63	\$3.00	\$6.40	\$11.01	\$3.71	\$7.49	\$10.34	\$4.33	\$7.12
81	\$9.99	\$3.00	\$6.53	\$9.30	\$4.25	\$6.99	\$8.39	\$3.00	\$6.08
82	\$11.59	\$3.00	\$6.63	\$9.82	\$3.00	\$7.18	\$8.69	\$3.34	\$6.18
83	\$8.71	\$3.00	\$6.57	\$10.16	\$4.15	\$7.00	\$11.80	\$4.46	\$7.09
84	\$11.15	\$4.30	\$7.31	\$12.14	\$4.28	\$7.44	\$11.77	\$3.00	\$6.26
85	\$9.66	\$3.00	\$6.54	\$10.35	\$3.76	\$7.27	\$10.64	\$3.80	\$7.58
86	\$9.69	\$3.00	\$5.97	\$11.25	\$4.22	\$7.37	\$10.51	\$4.98	\$8.08
87	\$10.00	\$3.99	\$7.17	\$9.58	\$3.00	\$5.78	\$8.90	\$3.00	\$5.89
88	\$10.36	\$3.42	\$7.07	\$12.42	\$3.93	\$7.43	\$9.40	\$3.00	\$6.20
89	\$8.87	\$3.73	\$6.42	\$9.41	\$4.35	\$7.17	\$7.65	\$3.00	\$5.70
90	\$8.90	\$3.00	\$7.10	\$11.06	\$3.91	\$7.08	\$9.08	\$3.16	\$6.13
91	\$8.81	\$3.00	\$6.29	\$8.96	\$4.28	\$6.54	\$10.52	\$6.59	\$8.21
92	\$10.69	\$3.00	\$6.11	\$11.54	\$3.00	\$7.55	\$9.50	\$4.39	\$6.92
93	\$9.67	\$3.00	\$6.67	\$9.62	\$3.00	\$6.19	\$11.32	\$4.38	\$7.55
94	\$10.25	\$3.08	\$6.09	\$10.70	\$3.14	\$7.02	\$9.64	\$3.00	\$6.63
95	\$10.38	\$4.26	\$6.67	\$10.13	\$3.00	\$6.44	\$7.92	\$3.00	\$6.28
96	\$10.38	\$3.00	\$6.60	\$10.33	\$3.00	\$6.04	\$10.98	\$5.32	\$7.80
97	\$10.38	\$3.00	\$6.36	\$10.21	\$3.00	\$7.25	\$11.58	\$3.34	\$6.21
98	\$8.31	\$3.00	\$5.98	\$11.57	\$3.91	\$6.60	\$10.80	\$3.06	\$6.87
99	\$8.94	\$5.23	\$7.45	\$10.43	\$4.31	\$6.63	\$9.03	\$3.00	\$6.21
100	\$10.56	\$4.39	\$6.50	\$11.35	\$4.40	\$7.63	\$8.77	\$3.00	\$5.76
101	\$13.00	\$3.00	\$6.95	\$10.41	\$3.00	\$6.66	\$10.97	\$5.34	\$6.97
102	\$11.57	\$4.98	\$7.83	\$8.94	\$4.82	\$6.90	\$10.49	\$4.29	\$7.40
103	\$8.54	\$3.26	\$5.77	\$10.38	\$4.15	\$6.92	\$7.87	\$4.14	\$5.79
104	\$10.36	\$5.90	\$7.47	\$8.97	\$4.31	\$6.76	\$8.99	\$3.00	\$5.81

### Nymex Detail-Annual Ranges

Draw	2017			2018			2019		
	max	min	avg	max	min	avg	max	min	avg
105	\$10.60	\$3.00	\$7.34	\$10.44	\$4.84	\$7.79	\$7.89	\$3.54	\$6.26
106	\$9.44	\$3.48	\$6.79	\$9.92	\$3.00	\$6.29	\$8.52	\$3.64	\$6.36
107	\$10.28	\$3.00	\$6.93	\$9.22	\$3.96	\$6.87	\$11.21	\$4.69	\$7.50
108	\$10.82	\$4.48	\$7.67	\$10.53	\$4.14	\$7.61	\$8.72	\$3.21	\$5.91
109	\$9.08	\$3.00	\$7.16	\$9.43	\$3.00	\$6.42	\$11.58	\$3.00	\$6.73
110	\$10.31	\$4.66	\$7.09	\$9.02	\$4.22	\$6.73	\$8.90	\$3.84	\$6.22
111	\$9.48	\$3.00	\$6.24	\$10.51	\$5.09	\$6.74	\$10.47	\$3.11	\$7.41
112	\$10.23	\$4.38	\$6.60	\$9.49	\$4.53	\$7.81	\$10.16	\$3.68	\$6.75
113	\$10.43	\$3.00	\$6.61	\$9.94	\$3.74	\$6.80	\$11.32	\$3.40	\$7.34
114	\$10.52	\$4.30	\$6.81	\$12.01	\$5.60	\$7.30	\$10.87	\$3.00	\$6.93
115	\$8.41	\$3.85	\$6.11	\$9.79	\$3.29	\$6.62	\$10.25	\$4.69	\$7.39
116	\$8.59	\$4.24	\$6.38	\$10.25	\$3.71	\$6.59	\$11.81	\$3.00	\$7.06
117	\$12.50	\$3.00	\$6.51	\$8.82	\$4.94	\$7.00	\$9.35	\$3.33	\$6.95
118	\$10.38	\$5.20	\$6.99	\$9.67	\$5.18	\$6.99	\$10.64	\$4.64	\$7.37
119	\$8.66	\$3.47	\$5.31	\$9.57	\$3.00	\$6.66	\$10.97	\$3.63	\$6.66
120	\$10.14	\$5.45	\$7.12	\$10.61	\$3.00	\$6.60	\$9.07	\$3.72	\$6.67
121	\$9.44	\$3.00	\$6.26	\$10.60	\$3.09	\$6.84	\$8.78	\$4.42	\$6.91
122	\$10.32	\$3.93	\$7.71	\$10.30	\$3.00	\$6.22	\$12.26	\$5.46	\$7.56
123	\$12.94	\$3.00	\$6.93	\$10.07	\$3.68	\$6.16	\$8.54	\$4.08	\$6.38
124	\$9.39	\$3.64	\$5.91	\$9.98	\$4.77	\$7.52	\$10.15	\$4.63	\$6.75
125	\$11.29	\$4.19	\$6.39	\$8.30	\$4.82	\$6.96	\$10.31	\$3.74	\$6.34
126	\$9.06	\$3.00	\$6.37	\$8.68	\$4.47	\$7.05	\$10.12	\$3.00	\$6.47
127	\$10.11	\$5.43	\$7.64	\$10.49	\$3.34	\$7.49	\$10.51	\$3.00	\$6.80
128	\$11.35	\$4.45	\$7.25	\$10.65	\$3.00	\$7.75	\$9.34	\$3.83	\$6.37
129	\$9.64	\$3.90	\$6.64	\$9.70	\$3.79	\$7.13	\$10.53	\$4.20	\$7.15
130	\$10.40	\$3.00	\$6.23	\$10.14	\$3.60	\$6.60	\$9.36	\$3.00	\$5.83
131	\$12.35	\$3.48	\$7.05	\$10.91	\$3.00	\$7.58	\$10.37	\$3.00	\$7.23
132	\$9.38	\$4.01	\$6.80	\$10.55	\$4.37	\$7.35	\$10.05	\$3.00	\$6.14
133	\$11.89	\$4.38	\$6.93	\$8.99	\$3.00	\$6.50	\$8.43	\$3.30	\$5.81
134	\$10.40	\$3.00	\$7.00	\$11.47	\$4.81	\$7.59	\$8.89	\$3.95	\$7.10
135	\$8.56	\$3.00	\$5.79	\$10.02	\$4.15	\$7.49	\$9.02	\$3.53	\$6.59
136	\$8.25	\$3.00	\$6.00	\$10.39	\$3.00	\$6.77	\$8.74	\$4.85	\$6.82
137	\$8.69	\$3.00	\$5.70	\$9.68	\$4.30	\$6.66	\$11.10	\$3.00	\$7.55
138	\$10.94	\$4.49	\$7.27	\$10.39	\$3.38	\$6.06	\$11.89	\$3.00	\$6.41
139	\$11.19	\$4.09	\$6.33	\$9.84	\$3.00	\$7.28	\$9.14	\$3.00	\$6.07
140	\$8.89	\$3.93	\$6.36	\$9.87	\$6.02	\$7.67	\$8.65	\$3.00	\$6.56
141	\$8.86	\$4.15	\$6.72	\$10.61	\$3.23	\$6.59	\$9.91	\$3.83	\$7.13
142	\$8.12	\$3.00	\$6.52	\$11.32	\$4.88	\$7.53	\$10.04	\$3.00	\$6.80
143	\$9.70	\$3.00	\$5.77	\$9.69	\$3.18	\$6.99	\$10.60	\$3.00	\$6.56
144	\$9.76	\$3.00	\$6.80	\$9.83	\$3.00	\$5.99	\$10.12	\$3.91	\$6.66
145	\$11.20	\$5.33	\$7.28	\$9.73	\$3.00	\$6.26	\$9.35	\$4.56	\$6.53
146	\$8.59	\$3.00	\$6.11	\$8.24	\$3.00	\$6.75	\$8.70	\$3.01	\$6.39
147	\$10.16	\$3.00	\$6.51	\$9.76	\$3.00	\$6.53	\$8.80	\$3.44	\$6.43
148	\$8.40	\$3.09	\$5.48	\$11.42	\$3.00	\$6.37	\$9.57	\$4.93	\$7.16
149	\$8.46	\$3.00	\$6.26	\$9.38	\$5.06	\$7.06	\$10.90	\$4.05	\$7.01
150	\$10.05	\$3.00	\$7.40	\$8.66	\$4.84	\$7.28	\$9.04	\$5.51	\$7.31
151	\$9.98	\$3.09	\$6.71	\$9.19	\$3.53	\$6.69	\$9.35	\$3.77	\$6.75
152	\$10.08	\$3.00	\$6.00	\$9.44	\$3.09	\$6.93	\$9.30	\$4.15	\$6.92
153	\$9.86	\$3.00	\$6.22	\$11.10	\$3.50	\$6.76	\$10.01	\$3.80	\$7.38
154	\$10.30	\$3.00	\$6.86	\$10.80	\$3.76	\$6.99	\$8.85	\$3.78	\$6.56
155	\$9.24	\$3.26	\$6.50	\$10.58	\$3.80	\$7.66	\$11.39	\$3.33	\$6.24
156	\$10.37	\$3.00	\$6.69	\$9.19	\$4.67	\$7.49	\$8.35	\$3.00	\$6.12

### Nymex Detail-Annual Ranges

Draw	2017			2018			2019		
	max	min	avg	max	min	avg	max	min	avg
157	\$11.14	\$3.00	\$6.23	\$9.15	\$5.10	\$6.79	\$10.60	\$3.01	\$6.07
158	\$10.38	\$3.00	\$5.81	\$8.83	\$3.00	\$6.26	\$10.60	\$3.62	\$6.63
159	\$9.04	\$3.29	\$6.08	\$10.48	\$4.17	\$7.68	\$9.80	\$3.00	\$6.31
160	\$11.13	\$3.97	\$7.83	\$8.51	\$3.11	\$6.05	\$8.83	\$3.00	\$6.22
161	\$8.89	\$3.65	\$6.57	\$9.58	\$3.12	\$5.96	\$9.30	\$3.00	\$5.85
162	\$11.25	\$4.18	\$7.49	\$10.26	\$3.83	\$6.24	\$9.18	\$3.64	\$6.53
163	\$11.67	\$3.90	\$6.98	\$8.84	\$3.03	\$6.19	\$8.05	\$4.09	\$6.64
164	\$13.33	\$3.00	\$7.88	\$9.50	\$4.11	\$6.64	\$8.75	\$3.17	\$6.52
165	\$8.62	\$3.99	\$6.32	\$9.73	\$3.58	\$6.96	\$8.77	\$3.00	\$5.46
166	\$9.23	\$4.35	\$6.83	\$11.28	\$5.59	\$8.41	\$10.16	\$4.37	\$6.38
167	\$8.78	\$4.02	\$6.24	\$9.82	\$3.25	\$6.40	\$8.92	\$5.91	\$6.99
168	\$11.82	\$3.00	\$6.39	\$10.51	\$3.00	\$6.63	\$10.77	\$4.92	\$7.81
169	\$10.00	\$4.12	\$6.37	\$11.62	\$6.34	\$8.62	\$10.05	\$3.00	\$6.21
170	\$9.80	\$3.90	\$7.94	\$9.65	\$3.00	\$5.77	\$10.17	\$3.00	\$6.57
171	\$9.01	\$3.06	\$5.83	\$13.62	\$3.00	\$7.42	\$11.33	\$4.92	\$7.10
172	\$10.56	\$4.11	\$7.76	\$9.13	\$3.00	\$6.49	\$10.45	\$3.21	\$6.39
173	\$10.72	\$3.00	\$6.47	\$11.38	\$3.19	\$7.00	\$10.25	\$5.76	\$7.67
174	\$10.43	\$5.07	\$6.92	\$9.55	\$3.30	\$6.92	\$10.23	\$3.00	\$6.35
175	\$8.74	\$5.26	\$7.22	\$11.06	\$5.03	\$7.56	\$10.45	\$3.00	\$6.23
176	\$11.95	\$4.26	\$7.59	\$9.53	\$5.51	\$7.75	\$10.17	\$3.28	\$6.84
177	\$7.61	\$3.09	\$5.65	\$10.03	\$4.64	\$6.41	\$8.01	\$3.00	\$6.03
178	\$11.59	\$3.25	\$6.66	\$9.82	\$3.90	\$6.62	\$7.84	\$4.18	\$6.19
179	\$10.04	\$3.00	\$7.54	\$10.20	\$3.02	\$7.22	\$10.01	\$3.00	\$6.46
180	\$11.50	\$3.84	\$7.16	\$9.34	\$3.35	\$6.50	\$8.12	\$3.00	\$5.39
181	\$8.08	\$4.65	\$6.11	\$9.34	\$3.53	\$6.57	\$10.05	\$3.00	\$6.58
182	\$9.64	\$4.46	\$6.70	\$11.54	\$3.00	\$6.17	\$8.69	\$3.00	\$6.16
183	\$10.69	\$3.00	\$6.54	\$11.16	\$4.30	\$7.30	\$11.18	\$3.86	\$6.66
184	\$8.67	\$3.24	\$6.67	\$12.71	\$4.00	\$7.82	\$9.13	\$3.00	\$6.23
185	\$9.06	\$5.07	\$6.77	\$11.33	\$3.00	\$6.37	\$9.10	\$3.17	\$6.44
186	\$8.22	\$3.00	\$6.22	\$10.75	\$3.00	\$6.79	\$10.30	\$3.09	\$6.11
187	\$8.91	\$3.89	\$6.53	\$9.82	\$5.02	\$6.94	\$9.79	\$3.00	\$6.96
188	\$9.76	\$3.00	\$6.90	\$12.79	\$3.00	\$6.55	\$9.91	\$3.00	\$6.18
189	\$11.72	\$3.98	\$7.43	\$11.28	\$4.59	\$7.37	\$8.25	\$3.05	\$5.83
190	\$9.88	\$4.97	\$7.16	\$8.66	\$3.00	\$5.80	\$10.85	\$3.54	\$6.65
191	\$9.27	\$3.00	\$6.58	\$9.60	\$5.13	\$6.76	\$8.73	\$3.00	\$5.98
192	\$10.79	\$4.65	\$7.32	\$12.24	\$4.60	\$8.42	\$10.60	\$3.00	\$6.10
193	\$10.53	\$3.17	\$7.77	\$11.21	\$4.06	\$6.58	\$9.48	\$4.83	\$6.62
194	\$9.92	\$3.38	\$5.84	\$9.24	\$3.18	\$6.01	\$9.84	\$3.96	\$6.76
195	\$10.27	\$4.23	\$7.15	\$11.54	\$4.79	\$7.01	\$8.31	\$3.00	\$5.95
196	\$11.11	\$3.05	\$6.48	\$11.00	\$4.88	\$7.72	\$10.54	\$3.41	\$7.36
197	\$11.46	\$5.05	\$7.25	\$11.56	\$3.16	\$6.97	\$8.59	\$4.43	\$6.50
198	\$8.57	\$3.79	\$6.16	\$10.28	\$3.00	\$7.39	\$9.77	\$3.00	\$6.02
199	\$11.24	\$4.22	\$7.45	\$10.80	\$3.70	\$6.20	\$10.33	\$3.42	\$6.61
200	\$10.46	\$3.93	\$7.48	\$11.14	\$4.01	\$7.03	\$8.94	\$4.98	\$6.86
<b>average</b>	\$9.90	\$3.69	\$6.69	\$10.22	\$3.84	\$6.93	\$9.77	\$3.67	\$6.59
Max	\$13.33			\$13.62			\$12.27		
Avg			\$6.69			\$6.93			\$6.59
Min	\$3.00			\$3.00			\$3.00		
Range	10.33			10.62			9.27		

### Nymex Detail-Annual Ranges

Draw	2020			2021			2022		
	max	min	avg	max	min	avg	max	min	avg
1	\$9.53	\$3.00	\$6.84	\$10.38	\$4.75	\$7.40	\$12.24	\$4.05	\$7.90
2	\$12.23	\$4.77	\$6.80	\$9.41	\$4.31	\$7.21	\$9.59	\$4.23	\$7.48
3	\$10.90	\$3.00	\$7.06	\$10.96	\$3.00	\$6.32	\$10.16	\$3.00	\$6.87
4	\$9.87	\$4.44	\$7.06	\$10.04	\$3.00	\$6.69	\$8.92	\$4.76	\$6.68
5	\$14.64	\$3.00	\$6.70	\$9.89	\$4.05	\$7.22	\$10.69	\$3.00	\$7.01
6	\$10.11	\$4.46	\$7.23	\$10.49	\$3.23	\$6.51	\$8.83	\$4.01	\$7.07
7	\$9.47	\$5.10	\$7.09	\$11.46	\$4.25	\$7.06	\$14.70	\$3.00	\$6.47
8	\$9.44	\$3.00	\$6.18	\$9.19	\$3.00	\$6.19	\$11.12	\$3.01	\$7.13
9	\$9.31	\$3.70	\$7.03	\$9.88	\$3.00	\$5.99	\$11.02	\$3.00	\$6.66
10	\$10.00	\$3.20	\$7.37	\$8.86	\$4.88	\$6.60	\$11.99	\$4.77	\$7.48
11	\$7.80	\$3.44	\$6.22	\$10.52	\$4.39	\$7.39	\$9.64	\$3.61	\$7.10
12	\$10.49	\$3.35	\$6.68	\$11.74	\$3.81	\$7.43	\$11.70	\$5.85	\$8.54
13	\$11.24	\$4.09	\$7.18	\$8.99	\$3.11	\$6.47	\$12.41	\$3.00	\$7.86
14	\$9.16	\$3.52	\$6.49	\$11.38	\$3.00	\$6.87	\$9.54	\$4.16	\$6.65
15	\$8.41	\$3.63	\$6.54	\$9.20	\$3.00	\$7.25	\$10.76	\$3.33	\$7.66
16	\$10.63	\$4.59	\$7.38	\$8.93	\$4.22	\$6.67	\$10.57	\$4.03	\$7.08
17	\$8.80	\$4.98	\$6.45	\$9.49	\$4.91	\$6.97	\$11.44	\$3.98	\$7.66
18	\$9.39	\$3.00	\$6.58	\$10.22	\$5.16	\$7.11	\$11.10	\$4.67	\$7.16
19	\$12.07	\$3.00	\$6.84	\$11.81	\$3.43	\$7.36	\$9.68	\$3.16	\$6.57
20	\$8.97	\$3.93	\$6.11	\$9.97	\$4.87	\$6.97	\$9.97	\$4.09	\$6.75
21	\$9.16	\$3.69	\$6.33	\$11.09	\$3.00	\$7.34	\$9.49	\$3.70	\$6.24
22	\$8.99	\$5.52	\$7.22	\$9.14	\$4.91	\$6.94	\$9.30	\$3.27	\$6.33
23	\$8.52	\$3.28	\$6.47	\$11.05	\$3.31	\$7.81	\$11.91	\$4.03	\$7.65
24	\$9.83	\$3.64	\$7.25	\$8.92	\$3.00	\$6.20	\$9.51	\$4.11	\$7.11
25	\$9.89	\$4.44	\$6.53	\$9.04	\$5.29	\$6.75	\$12.08	\$4.57	\$7.86
26	\$11.87	\$4.90	\$7.12	\$9.46	\$3.85	\$6.79	\$10.59	\$4.12	\$7.29
27	\$9.57	\$3.03	\$6.71	\$10.28	\$3.00	\$6.39	\$10.85	\$3.20	\$6.65
28	\$8.64	\$3.00	\$6.16	\$9.47	\$4.02	\$6.49	\$11.10	\$5.39	\$7.83
29	\$10.58	\$4.40	\$6.70	\$10.20	\$4.20	\$7.00	\$9.51	\$4.03	\$7.05
30	\$12.01	\$4.99	\$7.42	\$12.64	\$3.00	\$6.56	\$9.89	\$3.00	\$7.00
31	\$9.42	\$4.30	\$6.76	\$10.20	\$3.73	\$7.17	\$10.23	\$3.97	\$7.55
32	\$9.86	\$4.56	\$7.53	\$9.95	\$3.80	\$6.76	\$11.94	\$5.14	\$7.66
33	\$11.22	\$3.00	\$5.95	\$11.44	\$3.00	\$6.50	\$11.00	\$4.56	\$8.53
34	\$9.80	\$5.56	\$7.61	\$11.84	\$3.25	\$6.74	\$10.16	\$4.21	\$7.09
35	\$9.96	\$4.53	\$7.07	\$7.80	\$3.60	\$6.47	\$11.56	\$5.34	\$7.81
36	\$9.90	\$3.17	\$5.89	\$9.35	\$3.49	\$6.75	\$9.88	\$3.32	\$7.32
37	\$10.45	\$3.00	\$6.66	\$10.03	\$3.48	\$7.38	\$10.47	\$4.90	\$7.98
38	\$11.27	\$3.00	\$7.00	\$9.65	\$5.27	\$6.87	\$11.02	\$3.72	\$7.04
39	\$8.44	\$3.69	\$6.21	\$8.66	\$4.03	\$6.96	\$8.74	\$4.04	\$6.61
40	\$11.08	\$3.00	\$6.56	\$9.75	\$3.00	\$6.98	\$11.12	\$3.00	\$8.05
41	\$8.87	\$3.87	\$6.76	\$12.20	\$4.53	\$7.11	\$9.82	\$4.14	\$6.79
42	\$9.30	\$3.00	\$6.67	\$9.89	\$3.50	\$7.42	\$12.03	\$4.52	\$7.45
43	\$10.00	\$3.00	\$6.98	\$10.89	\$3.12	\$6.29	\$10.81	\$5.62	\$7.47
44	\$10.95	\$3.65	\$7.07	\$8.82	\$3.00	\$6.53	\$10.04	\$3.00	\$6.85
45	\$10.06	\$3.00	\$6.13	\$9.39	\$3.07	\$5.80	\$9.29	\$5.26	\$7.35
46	\$11.84	\$4.05	\$7.21	\$9.84	\$3.00	\$6.79	\$10.54	\$4.96	\$7.44
47	\$10.10	\$3.73	\$5.97	\$10.37	\$3.91	\$7.38	\$10.05	\$3.00	\$7.39
48	\$9.29	\$3.00	\$6.93	\$10.86	\$6.21	\$7.73	\$13.70	\$4.53	\$8.34
49	\$7.76	\$3.31	\$5.66	\$9.11	\$3.24	\$5.92	\$10.24	\$3.00	\$6.24
50	\$9.56	\$3.00	\$6.78	\$10.53	\$3.00	\$6.60	\$8.73	\$4.45	\$6.68
51	\$12.94	\$3.01	\$7.07	\$11.14	\$3.10	\$6.99	\$10.46	\$5.27	\$7.79
52	\$9.26	\$6.08	\$7.66	\$9.69	\$4.83	\$6.90	\$9.52	\$5.30	\$7.38

### Nymex Detail-Annual Ranges

Draw	2020			2021			2022		
	max	min	avg	max	min	avg	max	min	avg
53	\$9.59	\$3.27	\$6.62	\$9.02	\$4.01	\$5.74	\$12.28	\$5.23	\$8.15
54	\$11.06	\$4.91	\$7.18	\$9.74	\$3.79	\$6.52	\$10.79	\$4.30	\$7.09
55	\$9.80	\$3.45	\$6.59	\$10.37	\$3.00	\$6.97	\$9.77	\$4.55	\$7.44
56	\$11.41	\$3.75	\$7.18	\$9.21	\$3.09	\$7.29	\$11.69	\$4.09	\$6.77
57	\$11.50	\$3.00	\$6.50	\$10.63	\$3.53	\$7.36	\$10.43	\$4.70	\$7.60
58	\$11.85	\$4.67	\$7.39	\$9.63	\$3.00	\$6.41	\$10.65	\$4.51	\$7.29
59	\$10.51	\$3.43	\$6.57	\$11.02	\$3.73	\$6.82	\$11.58	\$3.00	\$6.86
60	\$8.57	\$5.07	\$6.98	\$8.25	\$3.10	\$6.95	\$9.34	\$5.38	\$6.74
61	\$8.88	\$3.17	\$5.87	\$10.28	\$3.48	\$6.47	\$10.37	\$4.62	\$8.00
62	\$11.43	\$4.85	\$7.12	\$9.16	\$4.45	\$6.32	\$10.02	\$3.91	\$7.31
63	\$10.49	\$3.00	\$6.57	\$11.06	\$5.25	\$7.68	\$10.79	\$4.17	\$7.29
64	\$9.33	\$4.20	\$7.08	\$10.84	\$4.26	\$8.49	\$10.61	\$3.00	\$6.61
65	\$11.09	\$3.00	\$6.86	\$10.55	\$3.31	\$7.48	\$11.57	\$5.80	\$8.09
66	\$8.88	\$4.17	\$6.85	\$11.68	\$4.14	\$7.18	\$10.72	\$3.94	\$7.36
67	\$9.20	\$4.41	\$7.24	\$12.03	\$3.00	\$6.30	\$8.75	\$4.23	\$6.65
68	\$10.89	\$3.62	\$6.81	\$10.94	\$5.21	\$7.49	\$9.74	\$5.19	\$7.70
69	\$9.52	\$4.28	\$6.48	\$11.67	\$3.00	\$6.00	\$10.47	\$5.83	\$8.09
70	\$10.21	\$4.11	\$7.34	\$9.53	\$6.35	\$7.50	\$7.99	\$3.00	\$6.27
71	\$9.14	\$4.12	\$7.05	\$11.34	\$3.00	\$6.52	\$10.68	\$4.96	\$8.16
72	\$8.02	\$3.52	\$6.00	\$11.52	\$3.00	\$7.31	\$10.37	\$3.00	\$6.90
73	\$11.37	\$4.27	\$7.46	\$10.42	\$3.12	\$7.29	\$9.84	\$4.47	\$7.59
74	\$8.18	\$3.34	\$6.53	\$12.62	\$3.00	\$7.81	\$10.39	\$3.00	\$7.29
75	\$11.33	\$4.90	\$7.56	\$11.21	\$3.84	\$7.62	\$11.57	\$3.76	\$7.09
76	\$9.65	\$4.25	\$6.67	\$10.22	\$3.00	\$6.87	\$9.58	\$3.71	\$6.69
77	\$9.29	\$3.00	\$6.70	\$9.15	\$3.00	\$5.82	\$8.47	\$3.44	\$6.09
78	\$9.06	\$3.05	\$6.36	\$9.72	\$3.97	\$6.94	\$9.68	\$4.61	\$7.42
79	\$10.50	\$4.63	\$7.31	\$9.42	\$3.17	\$7.22	\$9.99	\$3.28	\$6.98
80	\$9.07	\$3.54	\$6.00	\$10.11	\$3.70	\$7.14	\$11.86	\$3.05	\$7.00
81	\$9.13	\$3.08	\$6.40	\$12.37	\$4.85	\$7.88	\$10.65	\$5.80	\$7.28
82	\$9.99	\$3.00	\$6.79	\$10.84	\$5.27	\$7.24	\$10.34	\$3.95	\$6.83
83	\$8.95	\$3.59	\$6.82	\$9.07	\$3.66	\$6.33	\$10.65	\$3.15	\$7.40
84	\$9.71	\$3.00	\$7.00	\$11.19	\$3.00	\$6.77	\$9.63	\$3.00	\$6.74
85	\$9.80	\$3.97	\$5.91	\$12.14	\$4.26	\$7.21	\$10.22	\$4.10	\$7.58
86	\$8.10	\$3.00	\$5.68	\$9.78	\$3.93	\$6.79	\$9.27	\$4.63	\$7.19
87	\$10.29	\$3.50	\$6.74	\$11.22	\$3.00	\$7.38	\$10.07	\$4.51	\$6.83
88	\$9.58	\$4.32	\$6.72	\$10.57	\$5.43	\$7.39	\$9.03	\$4.14	\$6.89
89	\$9.35	\$3.91	\$7.16	\$10.13	\$3.00	\$7.01	\$10.96	\$5.71	\$7.54
90	\$8.84	\$3.00	\$6.84	\$11.29	\$3.00	\$7.18	\$10.30	\$3.97	\$7.71
91	\$11.65	\$3.36	\$6.65	\$8.56	\$3.04	\$6.39	\$9.43	\$3.80	\$6.67
92	\$10.56	\$4.16	\$6.94	\$10.22	\$3.00	\$7.50	\$12.35	\$4.03	\$7.30
93	\$8.99	\$4.21	\$6.43	\$11.23	\$4.48	\$6.36	\$11.03	\$5.55	\$7.97
94	\$9.14	\$4.76	\$6.73	\$10.57	\$3.76	\$7.02	\$10.25	\$3.00	\$7.82
95	\$9.83	\$3.00	\$7.43	\$10.84	\$3.60	\$6.79	\$11.74	\$3.00	\$7.80
96	\$8.65	\$4.30	\$6.12	\$10.41	\$3.00	\$6.56	\$11.73	\$5.27	\$7.87
97	\$11.41	\$3.57	\$7.82	\$9.63	\$4.22	\$6.62	\$10.34	\$4.24	\$7.50
98	\$8.74	\$4.66	\$6.85	\$11.01	\$3.00	\$6.88	\$12.19	\$5.25	\$7.36
99	\$10.19	\$3.00	\$6.57	\$8.78	\$3.00	\$6.29	\$10.53	\$3.75	\$6.63
100	\$10.26	\$4.88	\$8.09	\$10.40	\$3.01	\$7.52	\$9.24	\$3.55	\$6.47
101	\$10.20	\$3.00	\$6.67	\$8.01	\$3.00	\$5.36	\$9.27	\$3.08	\$6.38
102	\$8.28	\$3.33	\$6.38	\$8.59	\$3.00	\$6.75	\$8.33	\$4.88	\$7.28
103	\$7.99	\$3.86	\$6.27	\$10.73	\$3.00	\$6.51	\$11.71	\$4.19	\$7.40
104	\$9.68	\$3.90	\$6.76	\$11.29	\$4.66	\$7.26	\$10.49	\$6.37	\$7.71

### Nymex Detail-Annual Ranges

Draw	2020			2021			2022		
	max	min	avg	max	min	avg	max	min	avg
105	\$12.21	\$3.00	\$6.68	\$9.89	\$3.87	\$6.75	\$9.87	\$4.38	\$7.41
106	\$8.90	\$4.44	\$6.64	\$10.65	\$3.00	\$6.38	\$10.13	\$5.61	\$7.05
107	\$8.83	\$3.85	\$6.57	\$7.75	\$4.00	\$5.92	\$10.30	\$3.80	\$6.84
108	\$9.17	\$4.29	\$6.53	\$10.21	\$4.99	\$7.74	\$9.71	\$4.54	\$7.48
109	\$9.25	\$5.39	\$6.97	\$9.60	\$3.12	\$6.75	\$10.52	\$3.20	\$6.20
110	\$11.01	\$3.34	\$6.87	\$9.70	\$4.77	\$7.09	\$9.50	\$4.12	\$7.14
111	\$8.04	\$4.57	\$6.94	\$10.37	\$4.49	\$6.99	\$11.40	\$4.53	\$7.75
112	\$9.71	\$3.66	\$6.14	\$8.50	\$3.00	\$6.80	\$10.21	\$4.62	\$7.30
113	\$10.60	\$3.00	\$6.74	\$10.81	\$5.55	\$7.07	\$8.53	\$6.06	\$7.51
114	\$9.45	\$3.25	\$6.61	\$11.54	\$4.45	\$6.86	\$9.71	\$3.77	\$6.59
115	\$11.26	\$5.03	\$7.74	\$10.99	\$3.98	\$6.81	\$10.71	\$4.66	\$8.02
116	\$10.43	\$3.22	\$7.01	\$10.18	\$3.13	\$6.30	\$10.64	\$3.00	\$6.63
117	\$8.41	\$3.00	\$5.79	\$11.70	\$3.55	\$6.72	\$9.45	\$4.05	\$6.93
118	\$9.07	\$3.98	\$6.42	\$9.70	\$4.68	\$6.88	\$9.90	\$4.40	\$7.64
119	\$11.19	\$3.46	\$6.61	\$10.29	\$3.00	\$5.52	\$10.94	\$4.80	\$8.53
120	\$11.92	\$4.28	\$6.47	\$12.64	\$4.93	\$8.62	\$10.87	\$4.99	\$7.52
121	\$9.30	\$4.80	\$6.77	\$9.44	\$3.00	\$6.55	\$10.59	\$3.00	\$6.30
122	\$8.77	\$3.48	\$6.78	\$9.90	\$4.81	\$7.50	\$9.49	\$4.10	\$7.10
123	\$9.77	\$4.71	\$6.92	\$9.95	\$3.29	\$6.55	\$9.84	\$4.51	\$7.29
124	\$10.10	\$3.45	\$6.57	\$10.11	\$4.17	\$6.28	\$13.28	\$5.03	\$8.14
125	\$9.95	\$4.20	\$7.15	\$9.95	\$3.77	\$7.24	\$10.75	\$3.00	\$6.20
126	\$10.72	\$3.45	\$7.77	\$10.14	\$3.00	\$5.86	\$10.24	\$4.52	\$7.08
127	\$9.94	\$3.00	\$6.37	\$9.68	\$3.77	\$6.93	\$11.96	\$3.96	\$7.97
128	\$9.30	\$3.00	\$6.37	\$9.93	\$3.00	\$6.43	\$10.92	\$3.00	\$7.11
129	\$11.02	\$5.03	\$7.07	\$11.04	\$4.01	\$7.86	\$10.61	\$3.63	\$6.83
130	\$12.20	\$3.00	\$6.56	\$11.17	\$4.56	\$7.37	\$7.58	\$4.75	\$6.63
131	\$9.31	\$3.19	\$6.61	\$9.37	\$3.52	\$6.82	\$10.52	\$3.65	\$7.17
132	\$10.42	\$4.29	\$6.96	\$8.91	\$5.29	\$6.76	\$10.85	\$4.97	\$7.53
133	\$8.08	\$3.00	\$5.68	\$8.01	\$3.25	\$5.75	\$10.93	\$4.59	\$7.16
134	\$9.04	\$3.81	\$6.64	\$9.34	\$3.00	\$6.52	\$9.88	\$3.07	\$6.69
135	\$8.92	\$3.00	\$6.28	\$10.06	\$4.65	\$7.15	\$8.62	\$3.00	\$6.07
136	\$10.55	\$3.46	\$7.19	\$10.17	\$5.66	\$7.45	\$13.21	\$3.92	\$7.49
137	\$10.61	\$3.67	\$6.83	\$10.49	\$4.15	\$6.89	\$10.72	\$3.00	\$7.05
138	\$10.20	\$3.00	\$6.30	\$10.80	\$3.40	\$7.23	\$10.57	\$4.35	\$7.44
139	\$9.63	\$4.93	\$7.55	\$10.54	\$5.33	\$7.66	\$9.50	\$4.38	\$7.48
140	\$11.22	\$3.12	\$6.73	\$10.16	\$4.37	\$6.88	\$9.37	\$3.68	\$6.47
141	\$9.98	\$3.00	\$6.56	\$10.80	\$3.85	\$7.45	\$11.71	\$4.22	\$7.49
142	\$9.04	\$3.82	\$5.71	\$9.69	\$4.22	\$7.23	\$10.57	\$3.00	\$7.28
143	\$9.25	\$3.00	\$5.96	\$10.48	\$3.00	\$7.08	\$10.20	\$5.17	\$6.81
144	\$9.00	\$4.09	\$6.30	\$10.43	\$5.53	\$7.67	\$11.30	\$4.54	\$7.18
145	\$8.74	\$3.00	\$6.13	\$8.80	\$3.70	\$6.31	\$9.71	\$3.65	\$6.92
146	\$9.35	\$3.00	\$6.34	\$9.79	\$3.00	\$7.08	\$9.49	\$3.00	\$6.16
147	\$11.84	\$3.69	\$6.90	\$11.20	\$3.00	\$6.95	\$9.42	\$3.22	\$6.39
148	\$8.96	\$3.16	\$6.65	\$10.59	\$4.79	\$7.33	\$9.59	\$3.00	\$6.35
149	\$8.97	\$4.55	\$7.02	\$10.61	\$3.00	\$6.93	\$9.47	\$4.24	\$7.18
150	\$9.66	\$3.10	\$6.70	\$9.19	\$4.97	\$6.27	\$10.91	\$3.98	\$6.80
151	\$11.36	\$3.00	\$7.06	\$9.36	\$3.93	\$6.33	\$10.29	\$3.00	\$6.23
152	\$10.72	\$4.31	\$7.56	\$10.76	\$3.62	\$7.61	\$9.02	\$3.00	\$6.60
153	\$9.78	\$4.02	\$6.53	\$10.88	\$5.08	\$6.83	\$11.75	\$4.91	\$7.64
154	\$10.76	\$3.00	\$6.15	\$9.07	\$4.11	\$6.67	\$12.11	\$4.55	\$7.48
155	\$9.41	\$4.97	\$7.67	\$11.33	\$3.00	\$6.71	\$9.44	\$3.71	\$6.65
156	\$7.67	\$3.00	\$6.14	\$10.57	\$3.76	\$7.41	\$10.99	\$3.71	\$7.26



### Nymex Detail-Annual Ranges

Draw	2020			2021			2022		
	max	min	avg	max	min	avg	max	min	avg
157	\$10.48	\$3.00	\$6.96	\$11.91	\$3.08	\$7.54	\$11.27	\$3.84	\$7.20
158	\$7.77	\$3.48	\$5.36	\$11.66	\$3.72	\$7.70	\$11.15	\$3.00	\$7.22
159	\$12.31	\$3.55	\$7.96	\$12.35	\$4.80	\$8.04	\$11.24	\$3.72	\$7.39
160	\$10.62	\$3.57	\$6.15	\$9.84	\$3.18	\$7.30	\$8.49	\$3.00	\$6.09
161	\$7.04	\$3.93	\$5.46	\$11.00	\$3.32	\$7.72	\$10.56	\$5.82	\$7.52
162	\$10.40	\$3.82	\$6.71	\$12.72	\$3.00	\$7.62	\$10.68	\$4.06	\$7.35
163	\$9.32	\$3.00	\$6.56	\$8.51	\$3.76	\$6.33	\$9.31	\$3.24	\$5.61
164	\$9.09	\$3.00	\$7.01	\$9.87	\$4.61	\$7.04	\$10.77	\$3.00	\$6.92
165	\$10.02	\$4.02	\$6.75	\$10.29	\$3.00	\$7.73	\$9.93	\$5.41	\$8.52
166	\$8.86	\$3.29	\$5.95	\$10.93	\$3.00	\$7.22	\$10.95	\$3.76	\$7.41
167	\$10.03	\$3.00	\$6.03	\$10.47	\$4.14	\$7.39	\$10.81	\$3.73	\$7.41
168	\$9.79	\$3.62	\$6.41	\$11.86	\$3.00	\$6.60	\$10.03	\$3.00	\$6.53
169	\$9.11	\$3.20	\$6.45	\$10.38	\$4.50	\$6.93	\$10.05	\$4.50	\$7.69
170	\$8.83	\$3.19	\$6.44	\$12.20	\$6.04	\$8.52	\$11.62	\$3.00	\$7.20
171	\$9.62	\$4.27	\$6.96	\$11.17	\$3.47	\$7.67	\$10.12	\$5.90	\$7.48
172	\$8.42	\$3.83	\$6.22	\$12.00	\$3.69	\$6.85	\$12.65	\$4.78	\$7.47
173	\$12.11	\$4.36	\$6.83	\$9.24	\$3.95	\$7.01	\$9.85	\$3.73	\$6.52
174	\$10.87	\$5.05	\$6.68	\$11.99	\$5.27	\$8.31	\$11.54	\$4.81	\$7.96
175	\$9.42	\$3.46	\$6.67	\$8.46	\$4.31	\$6.55	\$10.84	\$5.21	\$7.71
176	\$10.39	\$3.00	\$7.60	\$10.94	\$4.09	\$7.67	\$11.04	\$3.70	\$6.90
177	\$11.13	\$3.00	\$6.73	\$10.29	\$3.70	\$6.68	\$11.67	\$5.65	\$7.76
178	\$9.45	\$3.00	\$6.64	\$9.26	\$3.00	\$6.24	\$10.29	\$3.78	\$7.23
179	\$10.75	\$3.00	\$6.17	\$10.86	\$3.00	\$6.42	\$11.13	\$4.18	\$7.69
180	\$9.66	\$3.16	\$6.83	\$8.63	\$3.27	\$6.12	\$8.38	\$6.28	\$7.22
181	\$11.26	\$3.00	\$6.45	\$10.34	\$3.83	\$6.99	\$10.68	\$3.49	\$7.15
182	\$8.96	\$3.00	\$5.73	\$10.36	\$3.36	\$6.65	\$11.00	\$3.40	\$6.46
183	\$14.11	\$5.58	\$8.73	\$11.12	\$3.78	\$7.32	\$10.28	\$3.93	\$7.18
184	\$7.75	\$3.38	\$6.20	\$10.48	\$3.37	\$6.53	\$10.84	\$5.45	\$7.52
185	\$11.04	\$3.88	\$6.74	\$8.88	\$3.00	\$6.39	\$11.54	\$3.00	\$6.91
186	\$9.77	\$3.91	\$6.90	\$12.05	\$4.46	\$7.03	\$8.83	\$3.00	\$6.04
187	\$12.10	\$4.96	\$6.77	\$10.51	\$4.12	\$6.99	\$7.52	\$3.45	\$5.25
188	\$9.22	\$4.50	\$7.36	\$13.32	\$5.83	\$7.83	\$10.78	\$4.31	\$6.76
189	\$9.03	\$3.00	\$6.17	\$11.16	\$3.00	\$8.02	\$9.66	\$3.02	\$7.44
190	\$7.75	\$3.00	\$5.57	\$9.78	\$4.09	\$6.95	\$11.08	\$3.16	\$6.26
191	\$10.44	\$3.59	\$6.73	\$10.37	\$3.00	\$6.17	\$11.31	\$3.89	\$7.30
192	\$10.25	\$3.00	\$6.35	\$9.44	\$4.43	\$6.61	\$9.88	\$6.27	\$7.61
193	\$8.74	\$3.67	\$5.91	\$9.37	\$3.00	\$6.15	\$9.52	\$3.84	\$7.49
194	\$10.17	\$3.00	\$6.60	\$9.57	\$4.93	\$6.77	\$8.67	\$3.37	\$6.45
195	\$9.36	\$4.10	\$7.25	\$9.59	\$3.00	\$6.21	\$10.67	\$4.74	\$8.19
196	\$10.44	\$3.00	\$6.08	\$9.35	\$3.66	\$5.96	\$8.55	\$4.00	\$6.48
197	\$10.93	\$3.28	\$6.34	\$8.82	\$4.59	\$7.09	\$11.55	\$3.55	\$7.51
198	\$9.56	\$4.56	\$7.17	\$9.11	\$3.90	\$6.20	\$10.99	\$3.65	\$7.56
199	\$9.43	\$3.97	\$7.13	\$8.04	\$3.62	\$5.78	\$10.85	\$3.72	\$7.10
200	\$10.31	\$3.00	\$6.84	\$9.81	\$4.65	\$6.68	\$9.68	\$4.64	\$6.86
<b>average</b>	\$9.91	\$3.72	\$6.71	\$10.26	\$3.81	\$6.91	\$10.44	\$4.10	\$7.18
Max	\$14.64			\$13.32			\$14.70		
Avg			\$6.71			\$6.91			\$7.18
Min	\$3.00			\$3.00			\$3.00		
Range	11.64			10.32			11.70		

### Nymex Detail-Annual Ranges

Draw	2023			2024			2025		
	max	min	avg	max	min	avg	max	min	avg
1	\$9.64	\$3.72	\$7.04	\$14.35	\$3.52	\$7.50	\$9.45	\$3.00	\$6.21
2	\$7.19	\$4.14	\$5.66	\$10.47	\$4.33	\$7.29	\$9.31	\$3.30	\$6.33
3	\$8.90	\$3.20	\$6.07	\$10.25	\$3.26	\$6.27	\$9.57	\$3.00	\$6.83
4	\$8.90	\$3.00	\$5.28	\$10.10	\$3.00	\$6.62	\$8.81	\$3.00	\$6.29
5	\$8.53	\$3.42	\$5.96	\$7.93	\$3.54	\$6.48	\$7.84	\$3.05	\$6.35
6	\$9.27	\$3.15	\$6.52	\$10.36	\$3.00	\$6.39	\$9.61	\$4.40	\$7.10
7	\$11.26	\$3.97	\$7.46	\$10.15	\$3.00	\$6.05	\$10.96	\$4.60	\$7.76
8	\$11.08	\$3.00	\$6.89	\$8.33	\$3.00	\$5.72	\$10.30	\$3.00	\$7.01
9	\$9.96	\$4.87	\$7.25	\$9.23	\$3.76	\$5.72	\$10.30	\$3.42	\$7.15
10	\$10.16	\$3.00	\$6.95	\$10.62	\$4.59	\$7.45	\$10.49	\$4.23	\$7.51
11	\$11.23	\$3.00	\$6.51	\$10.98	\$4.89	\$6.91	\$10.29	\$3.24	\$6.45
12	\$9.41	\$3.00	\$6.78	\$7.52	\$3.96	\$5.87	\$10.42	\$4.05	\$6.97
13	\$10.35	\$3.27	\$6.87	\$9.71	\$3.87	\$5.91	\$10.83	\$4.05	\$7.11
14	\$10.85	\$3.39	\$7.10	\$8.73	\$3.05	\$6.22	\$9.11	\$4.66	\$6.67
15	\$8.84	\$3.38	\$6.27	\$9.17	\$3.00	\$6.68	\$11.28	\$3.00	\$7.31
16	\$10.47	\$4.72	\$6.85	\$10.39	\$6.33	\$8.16	\$10.44	\$6.23	\$7.54
17	\$10.44	\$3.64	\$7.19	\$8.91	\$3.00	\$6.43	\$9.85	\$3.00	\$6.32
18	\$10.48	\$3.72	\$6.14	\$9.52	\$3.08	\$6.70	\$10.20	\$3.00	\$7.14
19	\$11.41	\$3.00	\$7.30	\$9.35	\$3.38	\$6.46	\$8.46	\$3.60	\$6.24
20	\$8.63	\$3.65	\$7.13	\$8.39	\$5.22	\$6.53	\$10.03	\$3.00	\$6.18
21	\$10.73	\$5.90	\$7.82	\$11.32	\$3.00	\$7.44	\$8.33	\$4.12	\$6.13
22	\$9.75	\$5.43	\$7.51	\$9.52	\$4.23	\$6.61	\$10.11	\$3.00	\$7.56
23	\$10.53	\$3.76	\$7.14	\$9.33	\$3.00	\$6.60	\$8.59	\$4.31	\$6.75
24	\$8.96	\$3.65	\$6.53	\$9.63	\$3.76	\$5.68	\$9.74	\$3.00	\$7.15
25	\$9.95	\$3.00	\$6.68	\$8.83	\$3.17	\$6.29	\$9.29	\$3.00	\$6.00
26	\$9.22	\$3.44	\$6.84	\$10.98	\$3.79	\$7.14	\$8.78	\$3.64	\$6.31
27	\$7.26	\$3.87	\$5.75	\$8.95	\$3.00	\$5.26	\$11.29	\$3.00	\$7.40
28	\$10.16	\$4.46	\$6.31	\$9.55	\$3.09	\$6.41	\$9.40	\$3.00	\$6.36
29	\$9.40	\$3.00	\$6.55	\$9.82	\$3.62	\$6.76	\$10.19	\$5.42	\$7.42
30	\$7.99	\$3.00	\$5.85	\$7.94	\$3.00	\$6.18	\$9.38	\$3.00	\$6.08
31	\$10.17	\$4.23	\$7.43	\$10.30	\$3.00	\$6.75	\$10.23	\$3.00	\$6.54
32	\$10.34	\$3.87	\$6.97	\$11.30	\$4.79	\$7.04	\$9.69	\$3.25	\$6.26
33	\$10.48	\$3.83	\$6.90	\$10.40	\$3.86	\$6.16	\$11.33	\$4.14	\$7.72
34	\$9.88	\$4.68	\$6.80	\$8.28	\$3.00	\$5.93	\$11.86	\$3.00	\$7.74
35	\$9.81	\$4.41	\$7.40	\$11.25	\$3.82	\$7.30	\$10.90	\$4.46	\$7.82
36	\$10.49	\$3.00	\$7.01	\$9.53	\$4.22	\$7.27	\$12.42	\$3.33	\$6.60
37	\$10.20	\$3.93	\$7.00	\$9.20	\$3.79	\$6.02	\$9.23	\$3.32	\$7.12
38	\$9.98	\$4.38	\$6.22	\$9.52	\$3.27	\$6.52	\$8.49	\$4.45	\$6.76
39	\$9.91	\$3.83	\$6.42	\$8.20	\$3.45	\$6.47	\$11.59	\$3.00	\$6.98
40	\$9.55	\$5.07	\$7.42	\$10.83	\$4.21	\$7.03	\$10.05	\$4.35	\$6.89
41	\$9.22	\$3.84	\$6.58	\$11.87	\$4.83	\$7.48	\$8.28	\$4.22	\$6.24
42	\$9.31	\$3.00	\$6.86	\$7.93	\$3.15	\$5.78	\$9.25	\$4.19	\$6.66
43	\$9.84	\$5.34	\$7.24	\$8.64	\$3.36	\$6.15	\$11.05	\$5.47	\$7.88
44	\$10.56	\$3.00	\$6.15	\$8.51	\$4.11	\$6.62	\$9.86	\$4.23	\$6.74
45	\$10.85	\$3.65	\$7.10	\$8.94	\$4.82	\$7.07	\$9.81	\$3.00	\$6.11
46	\$11.15	\$3.00	\$6.79	\$10.75	\$3.67	\$6.89	\$8.90	\$3.45	\$6.09
47	\$12.52	\$3.00	\$6.79	\$8.85	\$3.69	\$6.09	\$10.50	\$3.79	\$6.87
48	\$10.06	\$3.61	\$7.50	\$9.57	\$3.18	\$6.89	\$10.87	\$3.89	\$7.18
49	\$9.99	\$4.52	\$7.25	\$9.56	\$3.45	\$6.39	\$7.51	\$3.76	\$5.75
50	\$9.70	\$4.21	\$7.00	\$9.91	\$3.00	\$6.04	\$9.50	\$3.00	\$6.83
51	\$10.76	\$3.60	\$7.10	\$11.96	\$3.00	\$6.56	\$9.99	\$3.12	\$6.63
52	\$9.20	\$4.16	\$7.01	\$10.85	\$3.00	\$6.69	\$9.44	\$3.00	\$6.33

### Nymex Detail-Annual Ranges

Draw	2023			2024			2025		
	max	min	avg	max	min	avg	max	min	avg
53	\$8.34	\$3.00	\$5.93	\$11.19	\$3.87	\$6.72	\$9.02	\$4.08	\$6.88
54	\$9.34	\$4.60	\$6.96	\$10.07	\$4.12	\$6.77	\$9.19	\$3.00	\$6.14
55	\$10.81	\$3.95	\$7.69	\$8.88	\$3.26	\$6.35	\$8.59	\$4.28	\$6.41
56	\$9.23	\$3.05	\$6.42	\$9.61	\$3.00	\$6.20	\$10.00	\$6.15	\$7.51
57	\$8.40	\$3.00	\$5.96	\$9.91	\$3.45	\$6.85	\$11.28	\$5.31	\$8.13
58	\$9.62	\$3.03	\$7.21	\$9.73	\$4.63	\$6.77	\$10.52	\$5.30	\$7.75
59	\$9.63	\$4.15	\$6.14	\$11.29	\$3.07	\$6.27	\$8.96	\$3.00	\$5.87
60	\$11.73	\$3.00	\$6.74	\$9.46	\$4.29	\$7.09	\$10.15	\$3.86	\$7.47
61	\$13.62	\$4.09	\$8.04	\$9.15	\$4.88	\$6.69	\$10.31	\$3.74	\$6.86
62	\$9.14	\$3.59	\$6.31	\$11.79	\$3.00	\$6.57	\$9.29	\$3.00	\$7.01
63	\$7.03	\$3.00	\$5.33	\$9.48	\$3.50	\$6.50	\$10.12	\$4.16	\$6.27
64	\$10.08	\$4.08	\$6.53	\$8.67	\$3.00	\$6.52	\$8.47	\$4.28	\$6.35
65	\$8.92	\$3.49	\$6.54	\$10.45	\$3.85	\$7.06	\$8.59	\$4.50	\$6.47
66	\$10.94	\$3.00	\$6.66	\$9.47	\$3.00	\$6.65	\$9.49	\$5.16	\$7.20
67	\$8.86	\$3.36	\$6.65	\$7.90	\$3.00	\$6.02	\$9.52	\$4.75	\$7.09
68	\$10.41	\$4.11	\$7.30	\$11.11	\$5.02	\$6.88	\$10.09	\$4.87	\$7.15
69	\$10.10	\$3.51	\$6.57	\$10.43	\$3.00	\$6.85	\$9.63	\$4.47	\$7.27
70	\$8.89	\$3.37	\$7.24	\$11.42	\$3.00	\$5.91	\$9.93	\$3.00	\$6.85
71	\$12.09	\$3.36	\$6.59	\$10.66	\$3.00	\$5.98	\$9.46	\$3.00	\$6.40
72	\$11.16	\$3.81	\$7.04	\$9.31	\$4.64	\$7.34	\$8.37	\$3.00	\$5.73
73	\$11.76	\$4.84	\$7.15	\$9.38	\$4.49	\$7.19	\$10.60	\$3.56	\$7.12
74	\$9.39	\$3.00	\$6.61	\$9.10	\$3.86	\$5.89	\$12.36	\$3.00	\$7.03
75	\$7.76	\$4.38	\$5.81	\$10.97	\$4.40	\$6.78	\$10.16	\$3.00	\$7.63
76	\$11.35	\$3.00	\$6.57	\$10.33	\$3.59	\$6.83	\$11.06	\$3.98	\$7.57
77	\$11.93	\$3.00	\$7.27	\$10.12	\$3.73	\$7.16	\$10.75	\$3.00	\$6.77
78	\$8.58	\$4.48	\$6.93	\$9.17	\$3.96	\$6.52	\$11.39	\$5.18	\$8.17
79	\$8.59	\$3.00	\$6.48	\$7.83	\$4.58	\$6.40	\$10.08	\$5.58	\$7.71
80	\$8.07	\$3.00	\$5.82	\$8.84	\$3.61	\$6.82	\$10.92	\$3.00	\$6.77
81	\$11.05	\$3.75	\$6.57	\$11.12	\$3.00	\$6.81	\$9.87	\$5.11	\$6.63
82	\$9.49	\$3.00	\$6.55	\$10.34	\$3.00	\$6.30	\$10.28	\$3.54	\$6.65
83	\$9.75	\$3.34	\$6.30	\$8.49	\$3.02	\$6.38	\$10.11	\$3.00	\$5.98
84	\$11.55	\$4.22	\$6.67	\$8.75	\$3.00	\$6.28	\$10.81	\$3.00	\$6.47
85	\$10.96	\$3.00	\$6.93	\$8.69	\$3.57	\$6.30	\$9.78	\$3.00	\$6.75
86	\$10.30	\$3.93	\$7.59	\$9.05	\$4.36	\$6.63	\$11.04	\$3.00	\$5.80
87	\$7.48	\$4.00	\$5.92	\$8.76	\$3.00	\$5.58	\$9.13	\$3.79	\$6.57
88	\$11.43	\$3.35	\$7.01	\$8.69	\$3.91	\$6.22	\$11.46	\$4.45	\$6.61
89	\$9.68	\$5.33	\$7.26	\$9.61	\$3.00	\$6.44	\$10.90	\$3.00	\$6.85
90	\$10.10	\$5.28	\$7.84	\$11.37	\$3.00	\$6.88	\$11.43	\$3.82	\$6.70
91	\$9.80	\$4.10	\$6.67	\$8.90	\$3.83	\$6.49	\$11.10	\$3.00	\$6.79
92	\$10.56	\$3.00	\$5.60	\$10.33	\$4.60	\$7.29	\$9.69	\$4.04	\$6.38
93	\$10.89	\$3.13	\$7.06	\$10.82	\$3.00	\$5.82	\$10.36	\$3.93	\$7.29
94	\$9.65	\$3.51	\$6.87	\$9.23	\$3.00	\$6.30	\$10.14	\$3.21	\$6.97
95	\$8.43	\$3.00	\$5.00	\$11.05	\$3.05	\$7.08	\$11.03	\$5.75	\$7.78
96	\$9.23	\$5.02	\$6.54	\$10.07	\$4.33	\$7.47	\$8.90	\$4.11	\$7.06
97	\$10.70	\$4.95	\$6.62	\$12.96	\$3.00	\$7.16	\$9.63	\$3.64	\$7.31
98	\$11.87	\$3.39	\$6.83	\$11.57	\$4.91	\$7.53	\$7.47	\$3.67	\$5.99
99	\$10.30	\$3.00	\$6.54	\$9.74	\$3.00	\$6.37	\$9.79	\$3.00	\$6.72
100	\$9.72	\$4.04	\$6.56	\$9.20	\$4.36	\$6.42	\$9.42	\$3.26	\$5.96
101	\$9.75	\$3.00	\$5.89	\$9.54	\$4.45	\$6.53	\$9.93	\$4.60	\$6.99
102	\$10.47	\$3.89	\$6.46	\$9.76	\$3.99	\$6.67	\$8.12	\$3.00	\$5.64
103	\$11.20	\$3.00	\$6.35	\$10.91	\$3.00	\$6.51	\$10.55	\$4.70	\$6.90
104	\$9.85	\$4.28	\$6.87	\$8.30	\$4.15	\$5.78	\$11.70	\$5.31	\$7.65

### Nymex Detail-Annual Ranges

Draw	2023			2024			2025		
	max	min	avg	max	min	avg	max	min	avg
105	\$8.86	\$4.18	\$6.69	\$11.29	\$3.42	\$6.82	\$11.88	\$3.89	\$6.68
106	\$8.88	\$3.52	\$6.67	\$10.07	\$3.96	\$6.83	\$8.82	\$3.70	\$6.06
107	\$10.57	\$3.46	\$6.77	\$9.30	\$3.45	\$6.30	\$12.16	\$3.00	\$6.59
108	\$10.42	\$3.03	\$6.76	\$10.47	\$4.32	\$6.58	\$10.98	\$3.00	\$7.06
109	\$9.75	\$3.00	\$5.91	\$8.51	\$3.00	\$5.38	\$9.44	\$3.00	\$6.08
110	\$7.84	\$4.06	\$5.90	\$10.45	\$3.00	\$6.28	\$11.67	\$3.77	\$7.01
111	\$8.88	\$4.09	\$6.50	\$10.83	\$3.00	\$7.46	\$9.01	\$3.00	\$6.45
112	\$9.28	\$3.00	\$6.57	\$10.35	\$6.01	\$7.91	\$9.85	\$3.00	\$5.85
113	\$9.08	\$3.00	\$6.06	\$11.27	\$3.00	\$5.99	\$11.44	\$3.00	\$6.26
114	\$9.80	\$3.00	\$6.85	\$8.53	\$3.00	\$6.53	\$11.00	\$4.88	\$7.60
115	\$9.63	\$3.00	\$6.65	\$9.50	\$4.67	\$6.85	\$9.49	\$4.74	\$7.16
116	\$8.82	\$3.00	\$5.86	\$8.95	\$3.19	\$6.88	\$10.08	\$4.35	\$6.71
117	\$9.73	\$3.00	\$7.19	\$10.30	\$3.54	\$6.55	\$9.64	\$3.92	\$6.34
118	\$8.09	\$3.42	\$6.11	\$10.12	\$4.24	\$6.33	\$9.43	\$3.00	\$6.14
119	\$10.84	\$3.00	\$7.34	\$10.07	\$3.00	\$6.72	\$11.15	\$4.42	\$7.16
120	\$8.97	\$4.48	\$6.86	\$8.98	\$3.39	\$6.38	\$11.68	\$4.76	\$6.59
121	\$7.94	\$4.52	\$6.00	\$8.62	\$3.86	\$6.25	\$9.38	\$3.00	\$6.29
122	\$8.55	\$3.37	\$6.40	\$9.36	\$3.00	\$6.77	\$9.36	\$3.33	\$6.40
123	\$8.74	\$3.00	\$6.55	\$9.60	\$3.00	\$6.40	\$11.31	\$3.22	\$7.51
124	\$11.05	\$3.94	\$7.69	\$8.16	\$4.05	\$5.93	\$9.61	\$3.00	\$6.50
125	\$9.28	\$3.36	\$6.91	\$10.42	\$3.06	\$6.06	\$9.02	\$3.00	\$6.54
126	\$10.72	\$3.00	\$7.46	\$9.90	\$3.00	\$5.56	\$9.10	\$4.17	\$6.91
127	\$9.68	\$3.59	\$6.79	\$9.46	\$3.21	\$6.69	\$10.05	\$3.67	\$6.49
128	\$11.62	\$5.74	\$8.03	\$10.07	\$5.83	\$7.90	\$10.39	\$3.76	\$6.06
129	\$11.63	\$3.96	\$6.52	\$11.08	\$4.26	\$7.15	\$11.75	\$3.46	\$7.20
130	\$11.70	\$4.19	\$7.10	\$9.75	\$4.55	\$6.81	\$11.96	\$4.15	\$7.46
131	\$9.82	\$3.00	\$7.27	\$9.28	\$3.34	\$6.72	\$9.82	\$4.30	\$7.08
132	\$8.76	\$3.00	\$5.62	\$7.71	\$3.00	\$5.60	\$11.24	\$3.00	\$6.37
133	\$8.69	\$3.00	\$6.24	\$10.13	\$3.25	\$5.72	\$10.41	\$4.12	\$7.46
134	\$10.13	\$3.33	\$6.11	\$7.41	\$3.00	\$4.88	\$9.69	\$3.00	\$6.69
135	\$11.49	\$4.26	\$6.91	\$10.32	\$4.55	\$7.53	\$10.56	\$3.15	\$6.46
136	\$10.23	\$3.00	\$6.40	\$8.79	\$5.41	\$7.41	\$9.71	\$3.71	\$6.56
137	\$9.31	\$5.80	\$7.35	\$12.48	\$3.00	\$6.68	\$9.71	\$5.94	\$7.82
138	\$9.04	\$3.00	\$5.92	\$11.23	\$3.76	\$7.34	\$9.60	\$3.00	\$6.70
139	\$10.11	\$3.00	\$6.38	\$9.04	\$3.47	\$5.87	\$9.57	\$5.07	\$7.41
140	\$10.15	\$3.27	\$6.89	\$9.07	\$3.00	\$6.15	\$8.65	\$3.81	\$6.84
141	\$8.72	\$4.09	\$6.47	\$9.12	\$4.11	\$6.78	\$12.01	\$5.04	\$8.11
142	\$9.57	\$3.00	\$6.27	\$10.05	\$4.28	\$7.28	\$10.86	\$3.13	\$6.07
143	\$9.17	\$3.84	\$6.69	\$7.89	\$3.00	\$6.30	\$8.96	\$4.91	\$7.06
144	\$10.74	\$3.30	\$7.84	\$11.02	\$3.00	\$6.39	\$8.82	\$3.74	\$7.13
145	\$10.18	\$3.66	\$7.65	\$7.79	\$5.11	\$6.78	\$10.51	\$4.14	\$7.28
146	\$9.70	\$4.21	\$6.65	\$9.03	\$4.27	\$7.34	\$9.34	\$4.08	\$7.43
147	\$9.30	\$3.17	\$6.53	\$11.29	\$3.59	\$6.87	\$7.56	\$3.00	\$5.78
148	\$8.66	\$4.09	\$6.20	\$9.12	\$4.60	\$6.67	\$10.23	\$4.01	\$7.07
149	\$10.09	\$3.00	\$6.37	\$8.13	\$3.00	\$5.96	\$11.32	\$4.09	\$7.61
150	\$8.92	\$4.25	\$6.09	\$9.08	\$3.00	\$5.76	\$8.06	\$5.14	\$6.43
151	\$10.51	\$3.00	\$6.77	\$9.58	\$4.94	\$6.57	\$9.46	\$3.00	\$5.28
152	\$8.89	\$3.86	\$6.09	\$10.69	\$3.00	\$6.80	\$9.28	\$3.89	\$7.11
153	\$12.90	\$3.00	\$7.21	\$9.88	\$3.21	\$6.39	\$13.18	\$3.00	\$6.39
154	\$9.79	\$5.41	\$7.62	\$9.10	\$3.26	\$6.22	\$9.13	\$3.00	\$5.93
155	\$9.68	\$3.00	\$6.59	\$9.51	\$3.00	\$6.64	\$11.63	\$3.03	\$6.93
156	\$9.18	\$3.00	\$6.90	\$10.44	\$3.20	\$6.92	\$9.62	\$4.01	\$6.88

### Nymex Detail-Annual Ranges

Draw	2023			2024			2025		
	max	min	avg	max	min	avg	max	min	avg
157	\$9.99	\$3.00	\$7.09	\$8.62	\$5.25	\$7.30	\$8.42	\$3.45	\$6.34
158	\$11.87	\$4.42	\$8.22	\$10.63	\$4.85	\$7.17	\$12.06	\$3.00	\$6.39
159	\$10.41	\$3.67	\$6.13	\$9.75	\$3.00	\$5.95	\$9.06	\$4.23	\$7.53
160	\$9.31	\$3.00	\$6.92	\$10.51	\$3.00	\$6.63	\$10.00	\$3.94	\$7.38
161	\$10.47	\$3.54	\$6.31	\$9.82	\$3.00	\$6.14	\$9.64	\$3.00	\$6.70
162	\$11.10	\$3.00	\$5.93	\$8.97	\$3.70	\$6.36	\$8.58	\$5.10	\$6.57
163	\$10.25	\$4.01	\$7.17	\$8.19	\$3.76	\$6.28	\$8.90	\$3.76	\$7.06
164	\$9.14	\$3.00	\$6.40	\$9.87	\$3.78	\$7.40	\$11.10	\$3.23	\$6.89
165	\$11.13	\$3.00	\$8.04	\$9.19	\$3.35	\$6.33	\$8.85	\$3.59	\$7.07
166	\$8.20	\$3.46	\$5.80	\$11.30	\$4.38	\$7.50	\$10.75	\$3.00	\$7.36
167	\$10.54	\$3.44	\$7.00	\$10.67	\$3.02	\$7.03	\$10.12	\$3.47	\$6.97
168	\$8.69	\$5.33	\$7.35	\$11.58	\$3.00	\$7.22	\$9.40	\$3.00	\$6.32
169	\$8.53	\$3.00	\$6.20	\$9.40	\$3.91	\$6.58	\$10.59	\$3.98	\$6.89
170	\$9.13	\$3.85	\$6.92	\$10.84	\$3.00	\$6.31	\$9.69	\$3.00	\$6.60
171	\$11.41	\$4.46	\$6.72	\$8.54	\$3.00	\$5.81	\$8.98	\$3.92	\$5.88
172	\$8.74	\$4.03	\$6.56	\$10.86	\$5.77	\$7.32	\$11.21	\$4.27	\$7.40
173	\$11.71	\$3.25	\$6.94	\$9.06	\$3.00	\$6.78	\$10.54	\$3.00	\$7.45
174	\$10.27	\$3.00	\$7.10	\$9.12	\$3.00	\$5.92	\$10.63	\$3.68	\$7.22
175	\$11.02	\$3.00	\$6.88	\$11.48	\$3.45	\$6.22	\$8.16	\$3.45	\$6.37
176	\$12.25	\$4.80	\$7.57	\$7.94	\$3.00	\$5.99	\$8.22	\$4.48	\$6.00
177	\$7.54	\$5.10	\$6.58	\$10.95	\$3.24	\$6.44	\$10.69	\$3.94	\$7.51
178	\$12.48	\$3.28	\$7.34	\$9.10	\$4.41	\$6.05	\$8.93	\$3.88	\$6.58
179	\$10.10	\$3.92	\$7.50	\$10.19	\$3.00	\$5.98	\$11.46	\$3.00	\$6.41
180	\$11.45	\$3.52	\$6.42	\$9.34	\$3.00	\$6.18	\$9.51	\$4.16	\$6.60
181	\$11.14	\$3.43	\$6.88	\$9.19	\$3.31	\$5.89	\$10.83	\$3.00	\$7.41
182	\$10.67	\$4.98	\$7.13	\$8.51	\$4.21	\$6.42	\$9.47	\$3.21	\$6.72
183	\$10.24	\$3.00	\$5.80	\$10.04	\$4.69	\$6.88	\$8.96	\$3.00	\$5.87
184	\$10.23	\$3.00	\$7.04	\$9.86	\$5.51	\$7.80	\$10.51	\$3.20	\$6.96
185	\$9.10	\$3.71	\$6.35	\$8.63	\$3.67	\$6.06	\$11.37	\$3.00	\$7.17
186	\$9.96	\$3.26	\$6.56	\$9.57	\$3.00	\$6.82	\$10.23	\$3.49	\$6.20
187	\$11.00	\$3.00	\$6.28	\$10.12	\$3.56	\$6.24	\$9.53	\$3.36	\$7.48
188	\$9.26	\$4.41	\$6.60	\$9.84	\$3.33	\$6.84	\$9.42	\$3.88	\$7.32
189	\$11.20	\$6.01	\$7.58	\$9.02	\$4.33	\$6.35	\$11.76	\$3.00	\$6.12
190	\$11.43	\$4.35	\$7.37	\$10.95	\$3.00	\$6.80	\$8.89	\$5.91	\$6.98
191	\$10.25	\$3.00	\$5.15	\$9.97	\$3.00	\$6.32	\$11.86	\$4.92	\$8.01
192	\$10.06	\$3.82	\$6.55	\$12.12	\$4.93	\$7.60	\$11.18	\$5.11	\$8.30
193	\$9.61	\$3.00	\$6.02	\$9.76	\$3.00	\$5.77	\$10.40	\$4.25	\$7.00
194	\$8.81	\$3.35	\$6.95	\$8.15	\$4.37	\$6.50	\$11.95	\$3.00	\$5.93
195	\$10.60	\$3.00	\$6.47	\$7.92	\$3.00	\$5.34	\$10.10	\$3.15	\$6.99
196	\$9.16	\$3.01	\$6.64	\$9.53	\$4.62	\$6.66	\$9.69	\$3.24	\$7.36
197	\$9.50	\$3.00	\$6.57	\$8.80	\$3.00	\$5.91	\$10.08	\$4.92	\$6.90
198	\$8.93	\$3.00	\$6.08	\$8.96	\$3.00	\$5.33	\$10.11	\$3.00	\$5.85
199	\$8.38	\$5.51	\$6.89	\$8.60	\$3.19	\$5.84	\$10.78	\$3.00	\$6.65
200	\$9.41	\$3.48	\$6.38	\$9.11	\$3.37	\$6.60	\$10.59	\$3.78	\$7.45
<b>average</b>	\$9.92	\$3.66	\$6.71	\$9.73	\$3.65	\$6.55	\$10.03	\$3.75	\$6.81
Max	\$13.62			\$14.35			\$13.18		
Avg			\$6.71			\$6.55			\$6.81
Min	3			\$3.00			\$3.00		
Range	10.6157			11.35			10.18		

### Nymex Detail-Annual Ranges

Draw	2026			2027			2028		
	max	min	avg	max	min	avg	max	min	avg
1	\$9.77	\$4.30	\$7.15	\$8.34	\$3.58	\$6.48	\$8.01	\$3.00	\$5.55
2	\$9.31	\$3.46	\$5.63	\$11.96	\$3.00	\$6.74	\$10.95	\$3.21	\$6.84
3	\$10.63	\$3.77	\$7.28	\$10.44	\$3.00	\$6.80	\$11.05	\$3.00	\$6.93
4	\$8.57	\$5.17	\$6.61	\$8.39	\$4.31	\$6.68	\$10.38	\$3.00	\$7.57
5	\$10.51	\$5.23	\$7.58	\$9.71	\$3.00	\$5.65	\$9.96	\$3.32	\$5.85
6	\$12.81	\$3.00	\$7.68	\$10.73	\$5.00	\$7.70	\$11.11	\$4.98	\$6.98
7	\$10.65	\$3.00	\$7.26	\$10.32	\$4.33	\$6.89	\$9.02	\$3.14	\$6.34
8	\$10.54	\$3.00	\$6.07	\$9.39	\$3.00	\$6.54	\$9.29	\$3.74	\$6.67
9	\$11.32	\$5.05	\$7.09	\$11.53	\$4.93	\$7.18	\$10.72	\$3.00	\$6.70
10	\$10.16	\$3.00	\$7.11	\$8.45	\$3.03	\$5.37	\$10.79	\$3.84	\$6.59
11	\$10.24	\$5.18	\$7.41	\$10.52	\$3.00	\$6.76	\$10.00	\$3.00	\$7.29
12	\$9.53	\$3.00	\$7.31	\$9.92	\$3.18	\$7.05	\$12.05	\$3.80	\$8.63
13	\$11.94	\$6.81	\$8.38	\$9.73	\$5.17	\$7.64	\$9.98	\$4.44	\$7.38
14	\$10.37	\$3.57	\$7.44	\$8.38	\$4.00	\$6.44	\$9.71	\$4.80	\$6.80
15	\$11.60	\$3.64	\$6.79	\$9.25	\$4.21	\$6.27	\$11.58	\$3.90	\$6.72
16	\$10.35	\$4.16	\$6.50	\$10.45	\$4.10	\$6.71	\$9.70	\$4.17	\$6.63
17	\$13.94	\$4.04	\$7.49	\$8.83	\$3.00	\$5.91	\$8.28	\$3.64	\$6.26
18	\$10.57	\$4.78	\$7.80	\$12.54	\$3.00	\$6.83	\$9.24	\$3.76	\$6.30
19	\$10.94	\$3.00	\$6.53	\$11.17	\$3.00	\$6.43	\$11.34	\$3.00	\$7.04
20	\$10.73	\$4.62	\$8.59	\$10.70	\$4.38	\$7.36	\$13.88	\$3.20	\$7.18
21	\$8.70	\$4.86	\$6.64	\$10.35	\$3.00	\$7.22	\$10.04	\$4.14	\$6.74
22	\$9.84	\$3.95	\$6.58	\$10.34	\$5.39	\$8.01	\$10.04	\$4.86	\$7.65
23	\$10.50	\$4.76	\$7.41	\$8.60	\$3.00	\$5.94	\$10.71	\$3.00	\$7.13
24	\$10.73	\$3.00	\$6.57	\$9.63	\$3.85	\$7.27	\$8.32	\$3.00	\$5.76
25	\$9.95	\$5.38	\$6.93	\$10.55	\$3.00	\$7.25	\$10.67	\$3.92	\$6.87
26	\$10.38	\$4.11	\$6.72	\$10.88	\$4.85	\$7.35	\$10.38	\$3.00	\$7.08
27	\$10.12	\$4.30	\$6.43	\$11.88	\$4.40	\$7.90	\$9.26	\$3.00	\$6.28
28	\$12.58	\$3.36	\$7.24	\$9.90	\$5.76	\$7.44	\$9.08	\$5.53	\$8.05
29	\$10.92	\$3.00	\$6.14	\$9.78	\$3.55	\$6.86	\$9.65	\$3.36	\$6.32
30	\$12.23	\$5.07	\$7.62	\$8.49	\$3.00	\$6.31	\$11.97	\$3.00	\$7.85
31	\$10.52	\$3.01	\$7.05	\$9.85	\$4.80	\$6.97	\$9.77	\$3.00	\$7.40
32	\$9.88	\$3.00	\$6.54	\$8.86	\$4.03	\$6.90	\$8.87	\$4.44	\$6.38
33	\$10.01	\$4.31	\$6.83	\$9.94	\$4.33	\$8.10	\$12.35	\$5.71	\$7.90
34	\$11.92	\$4.59	\$7.95	\$8.85	\$3.00	\$6.49	\$9.11	\$3.00	\$6.66
35	\$9.01	\$4.68	\$7.06	\$9.98	\$3.31	\$6.15	\$12.38	\$4.50	\$8.25
36	\$11.11	\$5.52	\$8.09	\$9.72	\$4.47	\$7.25	\$10.30	\$3.31	\$6.84
37	\$10.62	\$3.00	\$6.28	\$9.80	\$5.41	\$7.17	\$10.57	\$3.68	\$7.29
38	\$9.29	\$3.65	\$6.65	\$11.71	\$4.76	\$6.73	\$9.44	\$4.77	\$6.79
39	\$11.02	\$3.92	\$7.70	\$9.75	\$4.84	\$7.52	\$12.01	\$4.58	\$8.42
40	\$11.31	\$5.37	\$7.74	\$11.13	\$4.37	\$6.89	\$9.89	\$4.86	\$7.21
41	\$10.11	\$5.33	\$7.75	\$12.10	\$5.60	\$7.53	\$9.35	\$3.37	\$6.27
42	\$12.20	\$3.14	\$6.73	\$9.21	\$3.00	\$6.45	\$11.79	\$3.00	\$7.16
43	\$13.99	\$3.00	\$6.09	\$9.19	\$5.02	\$6.82	\$9.45	\$4.97	\$7.44
44	\$11.85	\$3.00	\$6.82	\$9.12	\$3.00	\$7.39	\$10.03	\$4.08	\$6.95
45	\$8.81	\$3.00	\$6.50	\$8.80	\$3.00	\$6.10	\$8.58	\$3.76	\$6.26
46	\$11.10	\$3.00	\$6.88	\$8.79	\$4.59	\$6.28	\$10.23	\$3.00	\$6.44
47	\$9.45	\$3.96	\$6.12	\$11.24	\$4.41	\$7.48	\$8.80	\$3.00	\$6.65
48	\$14.08	\$3.27	\$7.89	\$10.26	\$3.01	\$6.71	\$10.20	\$4.35	\$6.80
49	\$7.67	\$3.36	\$5.83	\$9.21	\$5.06	\$6.54	\$8.36	\$5.18	\$6.78
50	\$11.17	\$3.86	\$7.28	\$8.64	\$3.06	\$6.17	\$10.53	\$3.07	\$6.78
51	\$9.58	\$3.73	\$6.62	\$10.24	\$5.39	\$6.61	\$9.71	\$4.70	\$6.96
52	\$9.52	\$3.00	\$6.63	\$9.15	\$4.24	\$6.36	\$11.10	\$3.00	\$6.74

### Nymex Detail-Annual Ranges

Draw	2026			2027			2028		
	max	min	avg	max	min	avg	max	min	avg
53	\$8.26	\$3.00	\$6.26	\$10.87	\$3.41	\$7.73	\$9.39	\$3.00	\$6.26
54	\$9.40	\$4.15	\$6.57	\$8.57	\$3.00	\$5.86	\$11.31	\$4.63	\$7.63
55	\$10.77	\$5.68	\$8.24	\$9.08	\$3.00	\$5.56	\$10.55	\$3.00	\$6.72
56	\$9.16	\$4.05	\$6.41	\$8.67	\$3.81	\$5.96	\$9.98	\$3.06	\$6.54
57	\$11.50	\$3.88	\$6.54	\$10.91	\$3.00	\$7.17	\$9.69	\$3.00	\$7.33
58	\$9.64	\$3.51	\$6.43	\$9.84	\$3.00	\$6.33	\$10.76	\$3.89	\$7.29
59	\$9.49	\$5.43	\$7.50	\$10.50	\$3.85	\$6.89	\$11.76	\$3.61	\$6.60
60	\$7.45	\$3.00	\$5.23	\$9.19	\$4.88	\$7.38	\$10.71	\$3.00	\$6.14
61	\$10.14	\$3.62	\$7.44	\$8.62	\$3.00	\$6.70	\$9.53	\$4.51	\$7.72
62	\$9.58	\$5.01	\$7.12	\$10.80	\$3.00	\$7.08	\$10.06	\$3.67	\$7.27
63	\$11.29	\$4.30	\$7.24	\$9.30	\$5.28	\$6.79	\$11.69	\$3.00	\$7.39
64	\$11.65	\$4.70	\$6.89	\$8.43	\$3.00	\$5.34	\$14.39	\$3.30	\$7.19
65	\$9.86	\$4.83	\$7.22	\$8.55	\$3.91	\$5.56	\$10.32	\$3.96	\$7.00
66	\$10.86	\$4.70	\$7.15	\$10.20	\$3.69	\$6.81	\$9.67	\$3.85	\$7.10
67	\$11.48	\$3.68	\$7.16	\$8.79	\$3.96	\$6.42	\$11.29	\$3.34	\$7.37
68	\$10.31	\$5.35	\$7.43	\$10.48	\$3.00	\$6.64	\$8.95	\$3.57	\$6.85
69	\$8.73	\$4.13	\$6.63	\$11.28	\$3.58	\$7.14	\$9.39	\$4.78	\$7.44
70	\$10.08	\$3.22	\$5.84	\$9.47	\$3.27	\$6.52	\$11.30	\$5.67	\$8.01
71	\$9.48	\$3.30	\$7.02	\$10.14	\$3.64	\$6.92	\$9.82	\$4.42	\$7.44
72	\$10.25	\$3.00	\$7.94	\$9.91	\$3.00	\$6.98	\$8.07	\$4.01	\$6.19
73	\$8.89	\$3.00	\$6.26	\$9.69	\$3.51	\$6.46	\$13.51	\$3.00	\$6.88
74	\$10.27	\$3.24	\$6.02	\$9.51	\$4.24	\$7.09	\$8.62	\$3.84	\$6.78
75	\$12.53	\$5.52	\$7.50	\$11.95	\$4.46	\$7.46	\$9.27	\$4.10	\$6.46
76	\$9.64	\$4.20	\$6.57	\$9.05	\$3.70	\$6.78	\$10.15	\$3.68	\$6.90
77	\$10.34	\$4.63	\$6.85	\$11.27	\$3.51	\$6.28	\$9.44	\$4.40	\$6.94
78	\$9.27	\$3.00	\$6.68	\$10.01	\$3.00	\$6.54	\$9.87	\$5.50	\$7.72
79	\$9.34	\$3.28	\$6.68	\$10.93	\$5.42	\$7.79	\$9.22	\$3.00	\$6.29
80	\$10.92	\$6.18	\$8.56	\$10.72	\$4.50	\$7.10	\$9.00	\$4.69	\$7.26
81	\$11.14	\$3.59	\$6.45	\$8.73	\$3.00	\$6.01	\$11.15	\$3.75	\$6.99
82	\$9.49	\$3.54	\$6.54	\$8.55	\$3.75	\$6.70	\$11.50	\$3.71	\$7.19
83	\$13.08	\$3.00	\$7.59	\$9.41	\$4.93	\$7.38	\$10.37	\$3.59	\$7.42
84	\$10.70	\$3.00	\$7.02	\$10.34	\$3.48	\$6.11	\$8.93	\$3.00	\$6.43
85	\$8.25	\$3.69	\$6.08	\$8.63	\$3.14	\$6.47	\$10.40	\$3.51	\$6.67
86	\$9.95	\$4.33	\$7.07	\$10.01	\$4.35	\$6.32	\$12.19	\$3.43	\$7.60
87	\$11.11	\$5.90	\$7.79	\$11.00	\$4.60	\$7.89	\$10.37	\$4.90	\$7.43
88	\$9.39	\$3.00	\$6.23	\$11.34	\$5.45	\$7.86	\$8.57	\$3.10	\$6.37
89	\$11.46	\$4.63	\$8.04	\$9.35	\$3.57	\$6.27	\$10.59	\$3.00	\$6.97
90	\$9.09	\$3.24	\$7.10	\$9.00	\$3.37	\$6.72	\$9.22	\$3.00	\$5.87
91	\$9.67	\$3.00	\$7.30	\$10.35	\$4.76	\$7.06	\$11.09	\$4.14	\$7.47
92	\$10.95	\$3.00	\$7.09	\$9.81	\$3.75	\$6.59	\$12.28	\$3.78	\$7.21
93	\$10.97	\$3.43	\$6.92	\$9.24	\$5.32	\$7.49	\$9.48	\$3.68	\$6.90
94	\$9.99	\$5.26	\$7.27	\$10.69	\$3.00	\$6.12	\$13.19	\$3.74	\$7.11
95	\$10.29	\$3.40	\$7.16	\$11.24	\$3.00	\$7.72	\$8.03	\$3.44	\$5.87
96	\$11.17	\$3.45	\$6.81	\$11.69	\$4.37	\$7.43	\$9.25	\$4.42	\$7.19
97	\$10.18	\$3.00	\$6.89	\$8.51	\$4.14	\$5.77	\$9.09	\$3.32	\$6.36
98	\$12.46	\$4.06	\$6.57	\$11.73	\$3.39	\$6.59	\$11.32	\$4.20	\$6.44
99	\$7.76	\$3.00	\$5.96	\$9.66	\$3.60	\$6.22	\$8.37	\$4.84	\$6.57
100	\$12.48	\$3.68	\$7.26	\$11.41	\$3.30	\$6.64	\$10.06	\$3.00	\$6.45
101	\$9.42	\$4.43	\$7.21	\$10.13	\$3.23	\$7.02	\$8.42	\$3.48	\$6.34
102	\$9.44	\$3.00	\$5.93	\$10.23	\$3.89	\$6.59	\$9.68	\$3.00	\$6.68
103	\$11.93	\$3.00	\$7.62	\$10.30	\$3.46	\$7.31	\$10.69	\$3.00	\$6.87
104	\$12.49	\$5.35	\$7.74	\$9.59	\$4.00	\$7.13	\$9.46	\$4.81	\$7.18

### Nymex Detail-Annual Ranges

Draw	2026			2027			2028		
	max	min	avg	max	min	avg	max	min	avg
105	\$9.20	\$4.17	\$6.84	\$9.19	\$3.00	\$6.09	\$10.36	\$3.99	\$7.47
106	\$9.39	\$3.54	\$6.88	\$9.37	\$5.88	\$7.33	\$9.81	\$3.54	\$6.19
107	\$10.16	\$4.13	\$6.87	\$8.68	\$3.35	\$6.67	\$10.16	\$4.41	\$6.72
108	\$9.59	\$4.55	\$6.90	\$11.49	\$4.40	\$7.05	\$9.66	\$4.28	\$7.05
109	\$9.21	\$3.00	\$6.75	\$12.09	\$3.00	\$6.25	\$9.15	\$3.52	\$6.40
110	\$9.41	\$4.55	\$6.01	\$10.37	\$3.95	\$5.98	\$9.84	\$3.88	\$6.98
111	\$9.54	\$4.30	\$7.04	\$11.48	\$3.00	\$6.92	\$11.13	\$3.49	\$7.32
112	\$10.76	\$3.00	\$6.42	\$9.74	\$4.69	\$7.26	\$11.75	\$3.00	\$6.07
113	\$9.44	\$3.93	\$6.49	\$8.76	\$3.00	\$5.39	\$8.31	\$3.36	\$5.59
114	\$9.91	\$3.89	\$6.78	\$9.53	\$3.00	\$6.34	\$12.53	\$3.32	\$7.93
115	\$8.42	\$3.00	\$6.16	\$9.13	\$4.13	\$7.08	\$9.77	\$3.32	\$6.48
116	\$10.61	\$3.00	\$7.12	\$10.25	\$3.00	\$6.42	\$8.98	\$3.00	\$6.03
117	\$9.13	\$3.88	\$6.78	\$11.38	\$3.39	\$6.52	\$9.74	\$3.00	\$6.09
118	\$9.88	\$5.16	\$7.26	\$11.04	\$3.64	\$6.16	\$11.96	\$5.31	\$8.17
119	\$10.22	\$3.00	\$7.02	\$10.35	\$4.08	\$6.49	\$9.23	\$3.00	\$6.19
120	\$9.01	\$3.84	\$6.26	\$11.53	\$3.12	\$6.67	\$11.02	\$5.53	\$8.36
121	\$9.02	\$3.52	\$7.06	\$9.78	\$3.82	\$7.10	\$9.71	\$5.17	\$7.19
122	\$11.33	\$5.30	\$7.83	\$9.17	\$3.22	\$6.24	\$10.98	\$3.54	\$6.25
123	\$10.34	\$3.56	\$6.44	\$9.17	\$5.18	\$6.79	\$11.19	\$4.87	\$7.79
124	\$10.77	\$3.67	\$7.43	\$12.19	\$3.03	\$6.24	\$9.35	\$3.22	\$6.89
125	\$8.44	\$3.30	\$6.28	\$9.73	\$3.86	\$7.16	\$12.70	\$4.94	\$7.21
126	\$8.48	\$3.00	\$5.30	\$8.42	\$3.00	\$5.79	\$8.27	\$4.05	\$6.63
127	\$12.00	\$4.55	\$7.81	\$11.59	\$4.10	\$6.78	\$13.33	\$3.00	\$6.42
128	\$10.47	\$3.32	\$7.32	\$9.63	\$3.00	\$6.41	\$10.22	\$3.00	\$6.92
129	\$9.25	\$3.00	\$7.21	\$11.20	\$3.52	\$6.60	\$10.53	\$3.78	\$6.34
130	\$9.25	\$4.14	\$6.92	\$10.62	\$3.73	\$6.36	\$10.96	\$5.91	\$8.09
131	\$10.34	\$3.00	\$6.44	\$7.36	\$4.63	\$5.82	\$9.09	\$3.39	\$6.69
132	\$10.32	\$4.87	\$7.06	\$8.99	\$3.00	\$5.72	\$10.60	\$4.66	\$7.37
133	\$12.42	\$3.19	\$7.13	\$9.89	\$5.12	\$6.68	\$12.54	\$3.30	\$7.33
134	\$9.39	\$3.00	\$6.45	\$10.87	\$3.28	\$6.62	\$8.62	\$3.23	\$6.30
135	\$10.65	\$3.00	\$6.59	\$12.07	\$5.06	\$7.46	\$9.60	\$5.62	\$7.45
136	\$9.90	\$4.09	\$7.09	\$10.21	\$5.76	\$7.34	\$12.17	\$5.51	\$7.47
137	\$12.07	\$3.00	\$6.61	\$9.52	\$3.00	\$6.66	\$9.93	\$4.16	\$6.84
138	\$9.01	\$4.07	\$6.62	\$9.72	\$4.01	\$6.20	\$10.62	\$3.76	\$7.33
139	\$8.27	\$3.34	\$6.10	\$9.28	\$3.07	\$6.35	\$11.93	\$4.48	\$7.54
140	\$10.16	\$3.00	\$7.32	\$9.22	\$3.15	\$6.70	\$9.08	\$4.31	\$6.91
141	\$10.56	\$3.00	\$7.07	\$10.87	\$6.38	\$7.96	\$9.22	\$4.27	\$7.27
142	\$9.32	\$3.29	\$6.81	\$10.33	\$3.25	\$5.82	\$9.95	\$4.17	\$6.64
143	\$9.11	\$3.00	\$6.78	\$9.32	\$3.00	\$6.17	\$9.13	\$4.85	\$6.91
144	\$11.17	\$5.41	\$7.78	\$10.53	\$4.52	\$7.07	\$9.67	\$4.18	\$6.58
145	\$10.91	\$3.14	\$7.36	\$11.92	\$3.00	\$7.15	\$9.61	\$4.96	\$6.86
146	\$8.98	\$4.02	\$6.88	\$9.51	\$3.00	\$6.40	\$9.82	\$4.23	\$6.83
147	\$9.69	\$3.21	\$6.63	\$10.13	\$3.00	\$6.58	\$11.17	\$5.66	\$7.54
148	\$10.72	\$3.14	\$7.06	\$9.40	\$4.67	\$7.15	\$10.55	\$4.03	\$7.38
149	\$8.98	\$3.00	\$6.48	\$9.11	\$4.96	\$7.03	\$8.96	\$4.81	\$7.07
150	\$11.18	\$3.00	\$6.84	\$10.62	\$3.66	\$6.88	\$9.76	\$3.58	\$6.78
151	\$10.76	\$3.55	\$6.61	\$10.59	\$3.00	\$6.25	\$12.12	\$4.07	\$7.12
152	\$9.08	\$3.00	\$6.37	\$8.69	\$3.00	\$5.54	\$9.03	\$3.98	\$6.64
153	\$10.10	\$3.00	\$6.29	\$9.11	\$4.27	\$6.81	\$10.83	\$3.00	\$7.11
154	\$9.94	\$4.45	\$7.34	\$9.98	\$3.00	\$7.33	\$8.46	\$3.00	\$5.89
155	\$10.01	\$3.84	\$7.42	\$10.46	\$3.56	\$7.56	\$11.89	\$3.41	\$7.73
156	\$10.48	\$3.15	\$7.26	\$8.48	\$5.39	\$6.93	\$9.69	\$3.64	\$6.73



### Nymex Detail-Annual Ranges

Draw	2026			2027			2028		
	max	min	avg	max	min	avg	max	min	avg
157	\$9.64	\$3.24	\$7.00	\$10.26	\$3.00	\$6.98	\$9.53	\$5.86	\$7.15
158	\$9.74	\$4.33	\$6.80	\$8.56	\$4.75	\$6.40	\$11.33	\$3.00	\$6.96
159	\$10.44	\$3.00	\$6.75	\$9.50	\$3.00	\$6.82	\$9.97	\$3.45	\$7.02
160	\$11.52	\$3.44	\$6.48	\$10.65	\$3.96	\$6.68	\$9.17	\$3.48	\$7.02
161	\$11.14	\$3.00	\$7.44	\$9.40	\$3.00	\$6.46	\$10.44	\$3.79	\$6.16
162	\$9.21	\$4.78	\$7.17	\$11.39	\$3.88	\$6.76	\$9.90	\$3.12	\$6.47
163	\$11.17	\$3.00	\$7.68	\$12.15	\$3.00	\$7.49	\$9.44	\$4.90	\$6.76
164	\$10.09	\$3.33	\$6.79	\$10.35	\$3.00	\$6.96	\$10.50	\$4.48	\$7.25
165	\$9.74	\$3.88	\$6.19	\$11.51	\$3.53	\$7.30	\$8.93	\$4.94	\$7.07
166	\$12.36	\$4.56	\$7.36	\$9.89	\$4.07	\$7.26	\$10.68	\$4.01	\$7.05
167	\$10.47	\$3.57	\$6.98	\$9.69	\$3.35	\$7.50	\$9.79	\$4.57	\$7.01
168	\$8.78	\$3.24	\$6.08	\$9.93	\$4.31	\$6.33	\$11.61	\$3.74	\$6.89
169	\$10.77	\$3.81	\$7.46	\$9.84	\$3.00	\$6.31	\$11.36	\$4.74	\$7.20
170	\$11.55	\$3.57	\$7.61	\$9.40	\$5.26	\$7.06	\$11.35	\$4.67	\$7.85
171	\$8.88	\$3.00	\$6.44	\$8.83	\$3.00	\$6.18	\$10.98	\$3.00	\$6.11
172	\$9.26	\$3.00	\$5.93	\$9.19	\$4.46	\$6.28	\$10.76	\$3.76	\$6.70
173	\$12.00	\$3.83	\$6.46	\$9.81	\$4.05	\$7.38	\$10.24	\$3.55	\$6.58
174	\$9.50	\$5.56	\$7.47	\$8.65	\$3.00	\$6.65	\$10.39	\$6.18	\$7.67
175	\$9.30	\$3.94	\$6.33	\$9.10	\$3.60	\$6.14	\$9.70	\$3.20	\$6.27
176	\$10.54	\$3.00	\$6.45	\$8.89	\$3.33	\$6.33	\$10.04	\$3.17	\$6.64
177	\$8.91	\$4.40	\$6.96	\$11.65	\$4.40	\$6.90	\$9.57	\$4.16	\$6.68
178	\$11.07	\$4.04	\$8.09	\$11.53	\$4.41	\$6.56	\$9.61	\$3.98	\$7.38
179	\$9.12	\$4.17	\$6.56	\$9.84	\$4.39	\$6.87	\$9.82	\$4.15	\$7.40
180	\$10.80	\$4.92	\$6.91	\$8.99	\$4.80	\$7.09	\$11.11	\$4.18	\$6.68
181	\$9.35	\$4.86	\$7.52	\$8.99	\$5.20	\$6.99	\$9.84	\$5.16	\$7.58
182	\$8.90	\$5.22	\$7.41	\$11.59	\$4.34	\$8.25	\$8.77	\$4.73	\$6.58
183	\$9.26	\$4.79	\$6.25	\$10.80	\$5.58	\$7.31	\$10.39	\$3.62	\$6.86
184	\$12.30	\$4.31	\$7.86	\$9.57	\$4.33	\$6.53	\$10.41	\$3.56	\$6.68
185	\$9.97	\$3.40	\$6.33	\$9.27	\$3.41	\$7.01	\$9.76	\$4.10	\$6.86
186	\$10.96	\$3.94	\$7.29	\$9.71	\$4.63	\$6.63	\$11.18	\$5.41	\$7.67
187	\$11.02	\$3.00	\$6.77	\$8.34	\$4.14	\$6.48	\$10.04	\$3.46	\$6.47
188	\$10.29	\$3.21	\$6.27	\$9.11	\$3.00	\$6.73	\$9.21	\$4.11	\$6.10
189	\$11.74	\$3.08	\$6.80	\$9.52	\$3.71	\$6.37	\$10.41	\$3.00	\$6.32
190	\$10.45	\$3.96	\$7.12	\$8.74	\$4.34	\$6.56	\$10.08	\$3.00	\$6.73
191	\$11.07	\$5.44	\$8.11	\$8.33	\$4.28	\$6.32	\$9.81	\$3.78	\$6.40
192	\$10.70	\$5.43	\$8.01	\$9.54	\$4.52	\$6.66	\$10.63	\$3.74	\$6.55
193	\$9.37	\$4.34	\$6.75	\$11.28	\$3.96	\$7.22	\$10.78	\$6.17	\$7.84
194	\$11.45	\$5.61	\$8.58	\$11.61	\$3.00	\$7.44	\$10.11	\$3.00	\$6.16
195	\$10.30	\$5.26	\$6.99	\$10.42	\$4.14	\$6.55	\$12.36	\$3.81	\$6.75
196	\$10.91	\$3.00	\$7.65	\$12.04	\$3.00	\$6.91	\$9.01	\$3.86	\$6.34
197	\$9.83	\$5.22	\$7.40	\$10.61	\$3.46	\$7.23	\$9.69	\$4.72	\$6.91
198	\$9.52	\$5.19	\$7.55	\$9.85	\$3.00	\$6.91	\$10.46	\$5.02	\$7.14
199	\$8.73	\$3.00	\$6.26	\$10.20	\$3.95	\$7.16	\$10.19	\$3.92	\$7.11
200	\$9.96	\$3.00	\$6.77	\$9.77	\$3.81	\$6.90	\$8.44	\$3.00	\$5.84
<b>average</b>	\$10.28	\$3.87	\$6.95	\$9.97	\$3.85	\$6.76	\$10.22	\$3.90	\$6.91
Max	\$14.08			\$12.54			\$14.39		
Avg			\$6.95			\$6.76			\$6.91
Min	\$3.00			\$3.00			\$3.00		
Range	11.08			9.54			11.39		

### Nymex Detail-Annual Ranges

Draw	2029			2030		
	max	min	avg	max	min	avg
1	\$11.02	\$4.69	\$7.49	\$10.16	\$5.96	\$7.57
2	\$10.90	\$6.42	\$8.19	\$10.33	\$3.64	\$7.12
3	\$9.88	\$3.42	\$6.26	\$11.81	\$5.12	\$8.64
4	\$10.32	\$3.53	\$6.52	\$9.76	\$4.39	\$7.12
5	\$9.10	\$4.37	\$7.08	\$10.72	\$4.19	\$6.40
6	\$9.50	\$3.91	\$6.57	\$11.00	\$3.91	\$7.52
7	\$11.15	\$4.04	\$7.44	\$9.75	\$4.79	\$7.22
8	\$10.82	\$3.20	\$6.95	\$11.38	\$3.23	\$7.15
9	\$10.13	\$3.48	\$7.83	\$11.09	\$3.00	\$6.73
10	\$12.05	\$6.53	\$8.56	\$10.09	\$3.00	\$6.96
11	\$8.57	\$4.49	\$6.59	\$9.38	\$3.86	\$6.97
12	\$10.55	\$3.38	\$6.64	\$11.01	\$3.27	\$7.87
13	\$11.01	\$3.84	\$7.46	\$10.69	\$5.48	\$7.43
14	\$10.00	\$4.21	\$7.03	\$9.83	\$4.54	\$7.27
15	\$9.98	\$3.00	\$7.17	\$12.05	\$3.27	\$7.63
16	\$10.93	\$5.16	\$7.50	\$11.97	\$4.23	\$8.06
17	\$11.59	\$5.13	\$7.54	\$10.96	\$6.15	\$8.74
18	\$11.42	\$4.18	\$6.67	\$10.14	\$3.63	\$7.47
19	\$8.16	\$4.62	\$6.61	\$10.64	\$6.14	\$8.29
20	\$10.83	\$4.89	\$7.65	\$11.01	\$5.90	\$8.28
21	\$9.33	\$4.34	\$6.47	\$9.63	\$3.74	\$6.67
22	\$9.73	\$3.00	\$7.10	\$10.41	\$4.37	\$7.74
23	\$11.13	\$4.48	\$7.37	\$13.55	\$3.00	\$7.66
24	\$11.97	\$5.21	\$7.67	\$9.28	\$4.01	\$6.74
25	\$10.80	\$5.60	\$7.94	\$9.54	\$3.68	\$6.94
26	\$11.29	\$4.18	\$8.15	\$9.37	\$3.37	\$7.27
27	\$10.83	\$3.00	\$6.13	\$13.44	\$5.03	\$7.46
28	\$10.49	\$3.00	\$6.77	\$11.51	\$3.00	\$7.38
29	\$9.83	\$4.34	\$7.46	\$8.14	\$4.73	\$6.68
30	\$10.02	\$4.51	\$7.26	\$9.72	\$4.07	\$7.01
31	\$10.40	\$5.27	\$8.48	\$9.52	\$4.20	\$7.35
32	\$12.95	\$3.92	\$7.37	\$10.32	\$4.05	\$7.34
33	\$10.05	\$3.37	\$7.08	\$9.65	\$4.19	\$7.15
34	\$9.70	\$4.32	\$6.92	\$11.10	\$4.52	\$7.53
35	\$12.77	\$4.25	\$7.52	\$12.09	\$4.25	\$7.17
36	\$10.53	\$5.18	\$7.54	\$12.93	\$3.00	\$8.24
37	\$8.95	\$4.02	\$7.55	\$10.28	\$4.34	\$7.30
38	\$11.13	\$4.91	\$7.51	\$10.84	\$5.69	\$8.19
39	\$10.78	\$3.62	\$7.51	\$9.50	\$3.37	\$7.05
40	\$8.76	\$3.07	\$6.61	\$12.08	\$4.57	\$8.71
41	\$11.52	\$4.46	\$7.49	\$11.99	\$3.00	\$6.84
42	\$8.83	\$3.29	\$5.94	\$8.79	\$3.00	\$6.61
43	\$9.82	\$4.26	\$6.74	\$9.97	\$4.10	\$7.67
44	\$9.54	\$4.13	\$6.57	\$8.77	\$3.00	\$6.56
45	\$9.45	\$3.00	\$7.01	\$9.18	\$5.08	\$6.95
46	\$10.49	\$3.13	\$7.41	\$12.88	\$4.89	\$8.89
47	\$11.50	\$4.20	\$7.29	\$14.95	\$4.92	\$8.15
48	\$10.66	\$4.06	\$7.78	\$9.56	\$3.28	\$6.98
49	\$10.53	\$3.09	\$6.82	\$12.58	\$5.92	\$7.64
50	\$9.32	\$4.07	\$6.73	\$11.53	\$3.00	\$7.54
51	\$10.89	\$5.07	\$7.23	\$11.88	\$4.29	\$7.14
52	\$10.38	\$3.72	\$6.83	\$10.24	\$5.02	\$7.49

### Nymex Detail-Annual Ranges

Draw	2029			2030		
	max	min	avg	max	min	avg
53	\$9.94	\$4.37	\$7.79	\$10.99	\$5.43	\$7.75
54	\$10.29	\$4.85	\$7.30	\$9.11	\$3.06	\$6.34
55	\$9.54	\$3.09	\$6.63	\$8.57	\$4.24	\$6.15
56	\$10.49	\$4.95	\$7.29	\$9.22	\$4.01	\$6.96
57	\$10.09	\$3.68	\$7.58	\$8.76	\$4.82	\$7.18
58	\$10.61	\$4.64	\$7.26	\$8.58	\$4.75	\$7.40
59	\$10.60	\$4.59	\$6.95	\$10.73	\$3.46	\$7.30
60	\$10.27	\$4.95	\$7.16	\$9.71	\$3.46	\$7.12
61	\$10.86	\$4.43	\$7.34	\$11.03	\$5.38	\$7.62
62	\$10.41	\$5.76	\$7.88	\$8.15	\$3.43	\$6.25
63	\$12.76	\$4.96	\$8.68	\$10.43	\$4.21	\$7.71
64	\$11.71	\$4.20	\$7.41	\$11.12	\$4.50	\$7.67
65	\$10.06	\$5.10	\$7.08	\$10.27	\$4.81	\$6.95
66	\$8.66	\$3.74	\$6.69	\$11.54	\$3.43	\$7.33
67	\$11.50	\$4.09	\$7.46	\$9.98	\$4.38	\$7.89
68	\$10.40	\$4.79	\$7.83	\$10.04	\$5.78	\$8.01
69	\$10.10	\$3.45	\$6.41	\$10.04	\$3.82	\$7.32
70	\$8.58	\$3.00	\$5.57	\$10.19	\$4.31	\$6.76
71	\$12.14	\$3.53	\$7.14	\$9.45	\$3.74	\$7.09
72	\$10.77	\$3.45	\$7.83	\$9.94	\$5.14	\$7.43
73	\$10.56	\$4.99	\$6.98	\$10.60	\$3.15	\$7.55
74	\$11.13	\$3.00	\$6.71	\$10.79	\$4.33	\$7.45
75	\$9.41	\$4.87	\$6.84	\$10.41	\$6.11	\$8.11
76	\$10.71	\$3.76	\$7.61	\$9.78	\$5.18	\$8.03
77	\$10.14	\$4.75	\$7.38	\$10.65	\$3.00	\$6.56
78	\$11.10	\$4.67	\$7.75	\$12.50	\$5.71	\$8.62
79	\$9.61	\$5.46	\$7.59	\$8.78	\$3.00	\$6.21
80	\$10.87	\$5.16	\$7.56	\$12.37	\$3.64	\$6.69
81	\$9.42	\$4.15	\$7.20	\$13.82	\$5.76	\$8.24
82	\$12.64	\$3.00	\$6.91	\$10.56	\$4.87	\$7.89
83	\$12.62	\$5.48	\$8.08	\$9.67	\$3.00	\$7.21
84	\$9.58	\$3.20	\$7.03	\$9.55	\$3.82	\$6.58
85	\$10.78	\$3.39	\$7.52	\$9.94	\$3.00	\$7.26
86	\$10.97	\$3.00	\$6.55	\$13.31	\$3.00	\$8.24
87	\$9.20	\$4.00	\$7.04	\$11.52	\$4.59	\$7.48
88	\$11.19	\$3.68	\$7.09	\$12.74	\$3.14	\$7.26
89	\$10.71	\$4.33	\$7.96	\$8.69	\$4.77	\$7.63
90	\$10.97	\$4.58	\$7.81	\$9.52	\$4.13	\$7.45
91	\$10.60	\$3.00	\$7.51	\$11.94	\$3.00	\$7.25
92	\$12.17	\$4.19	\$7.98	\$8.59	\$6.04	\$7.40
93	\$8.36	\$3.64	\$6.82	\$10.59	\$4.40	\$6.91
94	\$11.61	\$3.57	\$6.78	\$11.42	\$5.33	\$8.60
95	\$9.54	\$4.00	\$6.46	\$9.63	\$5.45	\$7.87
96	\$10.94	\$5.71	\$7.85	\$9.88	\$4.30	\$7.53
97	\$11.66	\$4.33	\$8.04	\$9.53	\$6.64	\$7.83
98	\$11.48	\$4.36	\$7.47	\$11.37	\$5.41	\$7.91
99	\$11.01	\$3.00	\$7.42	\$9.35	\$4.18	\$7.53
100	\$10.35	\$3.00	\$6.07	\$12.30	\$3.35	\$7.26
101	\$9.04	\$4.70	\$6.51	\$10.89	\$3.95	\$6.98
102	\$9.95	\$4.70	\$7.54	\$9.28	\$3.24	\$5.89
103	\$9.91	\$3.12	\$6.15	\$12.14	\$5.25	\$8.58
104	\$10.45	\$4.05	\$6.89	\$11.02	\$3.48	\$7.34

### Nymex Detail-Annual Ranges

Draw	2029			2030		
	max	min	avg	max	min	avg
105	\$9.11	\$4.32	\$6.68	\$10.90	\$5.12	\$7.43
106	\$10.92	\$4.02	\$7.57	\$10.30	\$3.42	\$6.92
107	\$11.39	\$3.08	\$6.22	\$11.29	\$5.28	\$8.01
108	\$9.01	\$3.26	\$6.11	\$14.22	\$6.39	\$8.53
109	\$9.17	\$5.22	\$6.67	\$9.84	\$5.27	\$7.79
110	\$11.18	\$3.58	\$7.44	\$11.27	\$3.54	\$6.83
111	\$10.35	\$3.00	\$7.52	\$9.15	\$3.86	\$7.28
112	\$10.71	\$3.45	\$7.04	\$11.81	\$3.66	\$7.42
113	\$11.25	\$3.62	\$7.53	\$10.41	\$5.54	\$8.00
114	\$9.42	\$4.53	\$6.92	\$10.37	\$4.49	\$7.41
115	\$9.15	\$3.13	\$6.76	\$11.22	\$3.00	\$7.74
116	\$10.55	\$4.56	\$7.24	\$10.77	\$3.00	\$7.11
117	\$11.19	\$3.00	\$7.56	\$10.78	\$4.63	\$7.74
118	\$12.82	\$5.31	\$7.93	\$11.18	\$5.09	\$7.84
119	\$11.23	\$5.64	\$8.59	\$9.23	\$3.00	\$7.00
120	\$12.45	\$5.24	\$8.49	\$8.90	\$4.11	\$6.77
121	\$10.06	\$3.00	\$5.97	\$11.45	\$4.91	\$7.37
122	\$12.38	\$3.94	\$8.51	\$9.98	\$5.08	\$7.60
123	\$10.43	\$3.00	\$6.86	\$8.55	\$3.03	\$5.91
124	\$12.05	\$5.38	\$8.27	\$13.20	\$5.51	\$8.37
125	\$10.24	\$4.17	\$7.73	\$12.56	\$4.67	\$7.85
126	\$10.37	\$3.11	\$6.68	\$11.85	\$5.72	\$7.90
127	\$9.33	\$3.00	\$6.64	\$12.15	\$4.91	\$7.79
128	\$9.40	\$4.41	\$7.32	\$10.73	\$3.18	\$7.70
129	\$9.96	\$4.26	\$7.64	\$9.50	\$3.92	\$6.95
130	\$9.43	\$3.00	\$6.75	\$11.17	\$4.19	\$7.40
131	\$10.08	\$4.13	\$6.97	\$10.59	\$3.83	\$7.30
132	\$10.19	\$5.14	\$7.87	\$10.35	\$4.09	\$7.62
133	\$11.12	\$3.50	\$7.61	\$12.11	\$3.34	\$7.40
134	\$9.89	\$3.05	\$7.04	\$9.42	\$3.08	\$6.61
135	\$9.89	\$4.60	\$7.73	\$10.44	\$5.62	\$7.52
136	\$12.59	\$4.93	\$7.67	\$10.02	\$4.85	\$6.88
137	\$11.10	\$5.43	\$8.14	\$12.26	\$3.69	\$7.43
138	\$10.93	\$3.00	\$6.52	\$10.05	\$3.00	\$7.27
139	\$8.50	\$3.60	\$6.50	\$9.70	\$5.73	\$7.83
140	\$9.77	\$4.01	\$6.39	\$10.40	\$4.08	\$7.10
141	\$10.77	\$3.48	\$7.10	\$11.06	\$5.41	\$7.46
142	\$11.23	\$3.29	\$7.42	\$10.42	\$3.67	\$6.68
143	\$9.97	\$3.43	\$7.18	\$9.99	\$3.23	\$7.17
144	\$10.28	\$3.00	\$6.84	\$9.74	\$3.69	\$6.93
145	\$9.16	\$4.07	\$7.19	\$9.22	\$3.84	\$7.15
146	\$10.12	\$4.10	\$6.88	\$10.21	\$3.00	\$7.45
147	\$11.65	\$4.31	\$7.80	\$10.67	\$3.59	\$7.19
148	\$12.88	\$3.44	\$8.08	\$9.21	\$4.78	\$7.37
149	\$10.99	\$3.32	\$7.31	\$9.78	\$3.67	\$7.26
150	\$9.71	\$3.87	\$6.40	\$9.68	\$4.28	\$7.48
151	\$9.17	\$3.26	\$6.61	\$10.97	\$3.00	\$8.29
152	\$9.69	\$4.84	\$7.51	\$8.56	\$4.06	\$6.38
153	\$12.00	\$4.05	\$7.80	\$9.04	\$4.38	\$6.44
154	\$10.65	\$3.00	\$6.60	\$9.82	\$5.31	\$7.36
155	\$10.34	\$3.00	\$6.64	\$11.15	\$4.54	\$7.69
156	\$8.37	\$3.00	\$6.13	\$10.89	\$3.00	\$7.36

### Nymex Detail-Annual Ranges

Draw	2029			2030		
	max	min	avg	max	min	avg
157	\$11.31	\$3.45	\$7.42	\$12.34	\$4.96	\$8.43
158	\$10.68	\$5.08	\$7.49	\$9.48	\$4.03	\$7.50
159	\$9.31	\$3.55	\$6.77	\$11.45	\$3.00	\$7.86
160	\$12.05	\$3.00	\$7.49	\$9.71	\$3.00	\$7.13
161	\$8.22	\$4.08	\$6.74	\$10.45	\$3.97	\$7.62
162	\$10.56	\$4.62	\$6.78	\$9.57	\$4.03	\$6.52
163	\$10.66	\$5.04	\$7.37	\$9.69	\$3.60	\$6.39
164	\$12.12	\$5.88	\$8.60	\$13.43	\$5.67	\$8.26
165	\$8.72	\$4.03	\$6.24	\$12.54	\$4.64	\$8.06
166	\$9.22	\$4.20	\$6.81	\$10.07	\$4.85	\$7.11
167	\$10.46	\$4.90	\$7.40	\$9.58	\$4.40	\$6.99
168	\$8.14	\$4.28	\$6.65	\$9.67	\$3.18	\$6.53
169	\$11.72	\$4.82	\$7.64	\$9.57	\$5.43	\$7.04
170	\$11.77	\$3.64	\$7.94	\$10.11	\$3.95	\$8.09
171	\$11.67	\$4.66	\$7.87	\$9.68	\$4.04	\$6.67
172	\$10.61	\$4.31	\$7.92	\$8.80	\$3.60	\$6.56
173	\$13.53	\$5.45	\$8.84	\$9.83	\$3.14	\$6.70
174	\$8.24	\$3.00	\$6.17	\$11.42	\$3.60	\$7.45
175	\$10.78	\$3.00	\$7.72	\$11.33	\$4.82	\$8.01
176	\$13.39	\$4.15	\$7.01	\$10.60	\$4.01	\$7.55
177	\$11.83	\$3.87	\$7.68	\$10.41	\$3.74	\$7.85
178	\$8.85	\$3.00	\$6.44	\$9.54	\$5.76	\$7.28
179	\$12.74	\$4.32	\$6.99	\$8.91	\$3.51	\$6.82
180	\$10.42	\$4.21	\$6.81	\$10.32	\$3.02	\$6.38
181	\$9.58	\$3.37	\$7.18	\$9.33	\$4.94	\$7.47
182	\$10.04	\$4.09	\$7.38	\$9.46	\$5.77	\$7.64
183	\$10.00	\$3.67	\$7.51	\$9.75	\$3.00	\$6.85
184	\$9.59	\$3.28	\$6.29	\$10.18	\$4.86	\$7.24
185	\$10.10	\$4.47	\$6.80	\$9.62	\$4.65	\$7.69
186	\$9.75	\$4.91	\$7.53	\$9.95	\$5.19	\$7.02
187	\$11.63	\$5.77	\$7.47	\$10.10	\$4.87	\$7.60
188	\$9.74	\$3.55	\$6.97	\$8.30	\$5.00	\$6.59
189	\$10.38	\$3.00	\$6.32	\$8.49	\$4.48	\$6.41
190	\$10.40	\$3.00	\$6.51	\$10.15	\$5.36	\$7.62
191	\$11.87	\$3.64	\$6.82	\$9.16	\$3.49	\$6.76
192	\$10.62	\$5.19	\$7.41	\$11.91	\$3.00	\$7.57
193	\$10.20	\$3.67	\$7.72	\$11.25	\$4.01	\$7.59
194	\$11.04	\$3.00	\$7.01	\$11.78	\$3.59	\$7.34
195	\$11.24	\$3.15	\$7.93	\$9.87	\$3.00	\$6.37
196	\$11.85	\$3.28	\$7.79	\$10.54	\$4.16	\$8.08
197	\$10.29	\$3.00	\$7.38	\$9.34	\$5.85	\$7.25
198	\$9.36	\$3.00	\$6.78	\$10.10	\$4.58	\$6.86
199	\$9.74	\$3.00	\$7.20	\$11.60	\$5.29	\$8.00
200	\$9.88	\$5.40	\$7.83	\$12.46	\$3.00	\$7.04
<b>average</b>	\$10.50	\$4.05	\$7.22	\$10.50	\$4.24	\$7.37
Max	\$13.53			\$14.95		
Avg			\$7.22			\$7.37
Min	\$3.00			\$3.00		
Range	10.53			11.95		