

## Appendix G

### Weather & Price Uncertainty Analysis

2018 WA IRP

## **Appendix G – Introduction**

The purpose of this document is to provide transparency to Cascade’s stochastic results. Each table in this appendix contains a sampling of draw and scenario/sensitivity mixes in Cascade’s various 10,000 draw Monte Carlo simulations. It’s important to note that any references to “Minimum” or “Maximum” Price or weather are not statistically significant draws, but rather presented to provide a reference to the most extreme event possible in either direction.

The Monthly Demand table provides insight into the impacts of weather and growth on overall monthly demand. The Monthly HDDs table allows for a deeper dive into the weather portion of the demand analysis. The Monthly PVRR table shows the impact of a variety of demand mixes on monthly total system costs over the 20-year planning horizon. The same analysis is shown for the impact of stochastic NYMEX pricing on a number of pricing sensitivities.

Monthly Demand (Dth)							
Date	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
1/1/2019	5,360,090	5,034,348	5,396,941	5,121,546	5,000,052	5,102,163	5,032,394
2/1/2019	4,447,160	4,031,026	4,477,003	4,061,233	4,499,339	4,083,959	4,529,128
3/1/2019	3,441,320	3,447,337	3,464,685	3,441,957	3,582,425	3,500,060	3,604,824
4/1/2019	2,165,150	2,259,431	2,179,248	2,496,822	2,325,248	2,311,743	2,340,270
5/1/2019	1,643,686	1,548,249	1,654,596	1,498,431	1,617,687	1,580,080	1,627,891
6/1/2019	1,113,699	1,082,000	1,120,680	1,072,286	1,108,216	1,097,126	1,115,234
7/1/2019	973,231	976,496	979,338	979,725	984,588	988,949	990,635
8/1/2019	962,043	961,003	968,103	967,370	967,200	972,763	973,198
9/1/2019	1,178,897	1,179,268	1,185,803	1,260,554	1,243,428	1,192,016	1,250,821
10/1/2019	2,354,686	2,179,451	2,369,423	2,409,082	2,085,419	2,211,975	2,099,035
11/1/2019	3,814,236	3,692,443	3,839,013	3,421,402	3,932,637	3,747,303	3,959,083
12/1/2019	5,153,559	5,863,501	5,187,387	5,223,848	5,352,647	5,933,890	5,390,087
1/1/2020	5,138,144	5,410,072	5,207,550	5,265,340	5,549,298	5,557,985	5,320,967
2/1/2020	4,560,422	4,546,890	4,621,343	4,326,633	4,354,835	4,656,798	4,411,003
3/1/2020	3,566,722	3,481,537	3,614,410	3,414,873	3,557,502	3,594,351	3,602,356
4/1/2020	2,318,233	2,329,719	2,348,534	2,539,216	2,295,011	2,412,112	2,324,616
5/1/2020	1,579,398	1,548,947	1,599,864	1,703,237	1,595,623	1,602,736	1,616,033
6/1/2020	1,110,097	1,126,325	1,124,020	1,078,621	1,137,685	1,155,076	1,151,994
7/1/2020	979,804	981,780	991,815	995,983	993,686	1,006,146	1,006,038
8/1/2020	964,657	964,186	976,587	976,164	975,444	988,443	987,601
9/1/2020	1,238,447	1,199,154	1,252,893	1,245,886	1,234,337	1,230,265	1,248,701
10/1/2020	2,146,991	2,224,662	2,173,324	2,316,445	2,398,001	2,270,167	2,429,129
11/1/2020	3,761,470	3,816,821	3,809,745	4,334,277	4,023,239	3,910,347	4,077,046
12/1/2020	5,466,342	4,910,403	5,538,513	5,276,387	5,860,890	5,049,993	5,942,263
1/1/2021	5,011,447	5,384,795	5,113,978	5,128,616	5,238,366	5,604,779	5,340,765
2/1/2021	4,262,390	4,161,680	4,348,098	4,298,554	4,124,776	4,330,678	4,204,714
3/1/2021	3,431,920	3,512,426	3,500,196	3,551,211	3,693,102	3,682,894	3,764,522
4/1/2021	2,624,731	2,291,557	2,676,377	2,475,756	2,315,903	2,382,837	2,360,043
5/1/2021	1,525,560	1,667,157	1,554,980	1,726,291	1,621,603	1,758,347	1,653,654
6/1/2021	1,134,222	1,078,503	1,155,723	1,122,268	1,106,972	1,122,487	1,127,636
7/1/2021	984,130	983,068	1,002,465	1,000,186	1,000,560	1,020,544	1,019,232
8/1/2021	974,073	974,708	992,293	992,327	992,643	1,012,138	1,011,256
9/1/2021	1,160,205	1,195,085	1,180,881	1,205,898	1,190,600	1,232,910	1,211,785
10/1/2021	2,238,421	2,220,504	2,279,960	2,228,920	2,141,486	2,307,393	2,182,026
11/1/2021	3,659,231	4,130,030	3,730,051	3,938,580	4,155,479	4,295,225	4,240,020
12/1/2021	5,298,680	5,141,156	5,404,178	5,692,581	5,263,016	5,356,800	5,371,184
1/1/2022	5,300,113	4,828,782	5,443,539	5,950,493	6,142,473	5,099,006	6,306,150
2/1/2022	4,231,285	4,399,977	4,343,462	4,655,204	4,169,221	4,661,379	4,278,015
3/1/2022	3,610,911	3,610,006	3,706,900	3,781,623	3,511,965	3,808,754	3,602,579
4/1/2022	2,250,128	2,359,082	2,308,076	2,419,068	2,425,201	2,489,959	2,489,035
5/1/2022	1,559,950	1,525,120	1,599,975	1,527,477	1,767,183	1,606,993	1,813,938
6/1/2022	1,117,222	1,088,851	1,145,519	1,124,880	1,169,867	1,147,798	1,199,312
7/1/2022	982,957	983,939	1,007,075	1,008,354	1,009,613	1,037,043	1,035,289
8/1/2022	985,107	984,313	1,009,811	1,008,994	1,009,401	1,034,389	1,034,736
9/1/2022	1,248,162	1,246,825	1,277,489	1,170,572	1,270,678	1,301,471	1,300,634
10/1/2022	2,139,998	2,131,929	2,194,192	2,193,305	2,302,995	2,240,538	2,361,492
11/1/2022	3,972,201	4,133,174	4,076,404	3,932,235	4,175,805	4,348,728	4,288,133
12/1/2022	5,281,239	4,828,401	5,420,531	6,002,521	5,908,499	5,076,818	6,072,515
1/1/2023	4,947,353	5,800,708	5,112,777	5,023,184	5,452,266	6,185,082	5,631,380
2/1/2023	3,861,340	4,189,375	3,989,557	4,112,250	4,513,247	4,468,128	4,660,152
3/1/2023	3,204,944	3,614,920	3,309,984	3,772,517	3,740,420	3,855,457	3,862,779
4/1/2023	2,354,910	2,305,667	2,431,721	2,300,833	2,461,506	2,478,949	2,541,869
5/1/2023	1,682,682	1,585,705	1,737,529	1,635,552	1,773,894	1,701,264	1,831,925
6/1/2023	1,137,395	1,146,785	1,173,301	1,228,590	1,194,189	1,223,622	1,231,788
7/1/2023	991,577	990,635	1,022,592	1,021,086	1,022,885	1,053,129	1,054,960
8/1/2023	991,324	990,792	1,022,392	1,021,850	1,022,302	1,054,661	1,054,622
9/1/2023	1,245,557	1,204,910	1,282,212	1,305,700	1,267,509	1,273,434	1,305,345
10/1/2023	2,255,428	2,279,853	2,326,057	2,210,785	2,413,742	2,423,890	2,492,122
11/1/2023	4,166,429	3,830,370	4,302,392	4,510,929	4,189,378	4,106,676	4,330,890
12/1/2023	5,108,836	5,355,784	5,275,417	5,527,384	5,972,402	5,715,396	6,185,192
1/1/2024	5,143,318	5,185,110	5,351,022	5,337,499	5,376,921	5,606,033	5,587,485
2/1/2024	4,544,310	4,659,459	4,726,629	4,286,972	4,798,559	5,037,568	4,988,443
3/1/2024	3,752,793	3,585,888	3,902,475	3,717,076	3,608,721	3,877,471	3,748,637

Monthly Demand (Dth)							
Date	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
4/1/2024	2,525,427	2,468,840	2,623,913	2,363,497	2,318,372	2,712,218	2,409,029
5/1/2024	1,521,908	1,574,435	1,580,476	1,741,722	1,683,669	1,705,103	1,750,155
6/1/2024	1,128,273	1,090,929	1,171,588	1,147,682	1,179,913	1,177,223	1,224,764
7/1/2024	1,007,954	1,007,130	1,045,470	1,043,630	1,043,646	1,085,856	1,083,198
8/1/2024	992,919	994,032	1,030,082	1,030,524	1,031,048	1,070,742	1,070,344
9/1/2024	1,329,940	1,203,456	1,377,027	1,225,025	1,264,823	1,283,052	1,310,479
10/1/2024	2,312,227	2,364,376	2,400,068	2,459,599	2,533,468	2,545,825	2,631,527
11/1/2024	3,616,091	3,871,999	3,756,969	4,156,979	4,212,093	4,207,324	4,384,407
12/1/2024	4,998,999	5,264,115	5,196,078	5,794,345	5,054,269	5,700,298	5,263,877
1/1/2025	5,515,111	5,200,703	5,775,295	5,813,690	5,693,532	5,709,139	5,954,072
2/1/2025	4,251,434	4,313,958	4,449,279	4,326,800	4,132,609	4,722,695	4,317,021
3/1/2025	3,781,444	3,404,147	3,956,264	3,433,012	3,924,756	3,722,465	4,104,511
4/1/2025	2,263,189	2,248,557	2,365,362	2,673,812	2,582,682	2,471,444	2,700,327
5/1/2025	1,541,459	1,707,025	1,610,756	1,723,953	1,760,278	1,880,379	1,840,881
6/1/2025	1,150,773	1,113,855	1,201,613	1,179,320	1,194,423	1,218,672	1,247,296
7/1/2025	1,013,186	1,011,765	1,056,930	1,056,898	1,055,675	1,103,878	1,102,374
8/1/2025	994,897	994,586	1,038,029	1,038,402	1,037,676	1,084,257	1,083,871
9/1/2025	1,239,415	1,262,557	1,290,657	1,284,226	1,294,936	1,363,873	1,348,967
10/1/2025	2,239,054	2,391,879	2,336,109	2,729,428	2,523,280	2,602,789	2,637,873
11/1/2025	3,701,938	3,712,952	3,867,452	4,056,339	4,278,004	4,072,631	4,482,678
12/1/2025	5,161,331	5,311,320	5,397,088	5,378,748	5,726,387	5,840,593	6,005,628
1/1/2026	5,157,665	5,555,070	5,431,723	5,246,438	6,060,113	6,192,958	6,380,933
2/1/2026	4,139,209	4,092,082	4,355,848	4,309,836	4,512,566	4,528,821	4,746,256
3/1/2026	3,680,133	3,922,303	3,873,834	3,833,329	3,733,845	4,351,241	3,927,686
4/1/2026	2,514,468	2,191,090	2,645,895	2,380,910	2,287,002	2,433,521	2,404,714
5/1/2026	1,678,408	1,620,179	1,764,795	1,595,259	1,733,684	1,805,226	1,824,704
6/1/2026	1,175,510	1,134,270	1,235,227	1,231,694	1,170,929	1,249,213	1,230,305
7/1/2026	1,015,146	1,016,218	1,065,485	1,070,804	1,072,335	1,121,370	1,126,205
8/1/2026	1,001,263	1,001,604	1,050,906	1,050,409	1,049,999	1,104,423	1,103,339
9/1/2026	1,289,115	1,270,805	1,349,065	1,353,193	1,289,280	1,384,923	1,351,409
10/1/2026	2,311,490	2,182,370	2,425,983	2,333,033	2,493,062	2,409,973	2,620,850
11/1/2026	4,248,299	3,881,801	4,465,806	4,045,473	4,293,859	4,312,406	4,526,665
12/1/2026	5,354,476	5,423,874	5,631,142	5,775,117	6,019,034	6,034,352	6,351,951
1/1/2027	5,496,978	5,594,170	5,826,372	5,710,861	5,755,347	6,295,340	6,094,187
2/1/2027	4,223,226	3,968,988	4,474,673	4,532,384	4,965,467	4,444,795	5,259,392
3/1/2027	3,428,595	3,711,556	3,628,718	3,824,866	3,801,149	4,139,625	4,022,979
4/1/2027	2,231,584	2,376,745	2,357,758	2,471,090	2,682,239	2,680,953	2,840,088
5/1/2027	1,702,941	1,537,071	1,802,406	1,874,182	1,771,141	1,727,414	1,875,081
6/1/2027	1,187,476	1,204,207	1,254,181	1,184,755	1,212,126	1,352,015	1,281,547
7/1/2027	1,019,986	1,019,353	1,076,551	1,074,165	1,076,680	1,137,642	1,137,738
8/1/2027	1,011,622	1,011,313	1,067,742	1,066,849	1,066,461	1,128,322	1,127,511
9/1/2027	1,297,810	1,276,702	1,366,551	1,341,196	1,346,580	1,405,554	1,419,085
10/1/2027	2,291,524	2,308,166	2,418,713	2,518,115	2,554,571	2,584,171	2,703,604
11/1/2027	3,681,483	3,896,881	3,890,711	4,408,133	4,325,034	4,375,933	4,590,472
12/1/2027	5,494,275	5,559,747	5,815,137	6,019,223	6,310,953	6,277,830	6,710,581
1/1/2028	5,075,878	5,500,542	5,412,173	5,634,280	5,887,938	6,247,350	6,277,973
2/1/2028	4,080,249	4,472,665	4,343,356	4,759,967	4,580,456	5,080,735	4,877,128
3/1/2028	3,334,549	3,577,029	3,548,573	4,048,799	4,238,492	4,049,931	4,517,866
4/1/2028	2,338,941	2,575,925	2,489,173	2,446,963	2,580,908	2,951,858	2,748,127
5/1/2028	1,629,121	1,598,868	1,734,042	1,705,964	1,764,479	1,826,600	1,880,289
6/1/2028	1,203,852	1,163,861	1,278,668	1,177,194	1,244,340	1,315,332	1,323,120
7/1/2028	1,019,714	1,019,225	1,082,492	1,084,560	1,082,828	1,152,813	1,151,072
8/1/2028	1,021,600	1,020,773	1,084,622	1,083,485	1,084,079	1,152,740	1,152,794
9/1/2028	1,197,699	1,280,543	1,268,070	1,342,215	1,339,638	1,430,187	1,420,489
10/1/2028	2,431,113	2,367,122	2,583,370	2,570,267	2,621,802	2,683,682	2,789,533
11/1/2028	4,144,967	3,845,875	4,410,240	4,342,625	4,344,360	4,369,648	4,639,543
12/1/2028	5,556,133	5,365,741	5,915,810	5,999,377	6,301,449	6,121,074	6,747,049
1/1/2029	5,163,461	5,698,799	5,538,198	5,516,612	6,158,609	6,566,967	6,610,137
2/1/2029	4,671,130	4,590,261	5,005,347	4,530,767	4,843,895	5,257,320	5,192,663
3/1/2029	3,746,549	3,501,577	4,011,939	3,740,095	4,233,550	4,036,071	4,540,033
4/1/2029	2,566,265	2,489,368	2,747,126	2,795,096	2,914,407	2,886,251	3,123,280
5/1/2029	1,604,285	1,856,172	1,716,141	1,839,715	1,799,094	2,137,222	1,928,649
6/1/2029	1,195,318	1,170,321	1,277,335	1,247,105	1,263,755	1,344,325	1,351,574

Monthly Demand (Dth)							
Date	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
7/1/2029	1,032,464	1,030,560	1,102,055	1,100,798	1,101,399	1,175,086	1,177,839
8/1/2029	1,026,341	1,026,874	1,095,946	1,095,556	1,096,976	1,173,277	1,173,365
9/1/2029	1,276,259	1,306,066	1,358,256	1,337,133	1,304,773	1,480,046	1,391,132
10/1/2029	2,229,360	2,292,279	2,381,702	2,703,316	2,551,067	2,621,105	2,730,633
11/1/2029	3,817,727	3,809,003	4,082,643	4,214,094	4,460,942	4,397,195	4,796,903
12/1/2029	5,676,595	5,338,051	6,081,507	6,191,458	6,453,741	6,173,661	6,951,062
1/1/2030	5,693,221	5,191,459	6,145,797	5,327,033	5,945,807	6,028,592	6,408,813
2/1/2030	3,916,771	4,285,003	4,216,657	4,568,404	4,828,790	5,012,260	5,209,152
3/1/2030	4,024,775	3,708,484	4,341,468	4,155,375	4,068,905	4,363,845	4,389,340
4/1/2030	2,718,123	2,418,155	2,926,123	2,531,284	2,687,665	2,817,367	2,897,521
5/1/2030	1,756,230	1,748,780	1,892,321	1,717,340	1,921,443	2,040,103	2,073,871
6/1/2030	1,166,912	1,207,391	1,253,561	1,249,600	1,320,195	1,399,459	1,421,225
7/1/2030	1,039,293	1,040,588	1,115,362	1,116,287	1,116,166	1,201,031	1,201,177
8/1/2030	1,028,543	1,027,507	1,104,182	1,104,669	1,103,341	1,187,264	1,187,660
9/1/2030	1,304,268	1,335,712	1,394,878	1,373,262	1,343,910	1,525,847	1,441,202
10/1/2030	2,342,758	2,237,630	2,514,814	2,653,885	2,608,356	2,579,443	2,809,830
11/1/2030	4,146,729	4,042,491	4,463,004	4,013,513	4,344,673	4,674,604	4,697,097
12/1/2030	5,752,748	5,630,699	6,202,159	6,186,015	6,335,679	6,563,424	6,858,449
1/1/2031	5,765,025	5,768,647	6,260,183	6,456,227	6,311,353	6,798,744	6,857,078
2/1/2031	4,197,628	4,498,150	4,545,918	4,368,420	5,139,135	5,283,962	5,577,866
3/1/2031	3,809,399	3,529,366	4,128,601	3,977,484	3,873,266	4,148,493	4,200,523
4/1/2031	2,435,273	2,367,253	2,635,166	2,538,920	2,710,463	2,814,515	2,941,507
5/1/2031	1,638,243	1,599,107	1,774,474	1,873,736	1,932,867	1,883,392	2,098,719
6/1/2031	1,171,053	1,203,394	1,265,310	1,277,250	1,223,286	1,416,244	1,324,873
7/1/2031	1,046,599	1,044,391	1,129,501	1,127,154	1,126,356	1,220,674	1,219,398
8/1/2031	1,029,803	1,029,496	1,112,112	1,111,877	1,112,008	1,203,919	1,203,870
9/1/2031	1,311,565	1,376,884	1,410,241	1,356,966	1,374,290	1,599,255	1,481,353
10/1/2031	2,432,814	2,312,589	2,626,634	2,754,424	2,685,908	2,699,333	2,908,342
11/1/2031	3,977,145	4,005,309	4,302,153	4,638,784	4,012,580	4,707,981	4,363,710
12/1/2031	5,839,044	5,956,326	6,332,387	6,507,994	6,031,565	7,020,791	6,573,621
1/1/2032	5,550,685	5,971,474	6,057,764	6,474,878	6,626,365	7,130,013	7,241,190
2/1/2032	4,545,406	4,671,355	4,955,560	4,955,888	4,920,831	5,580,740	5,372,966
3/1/2032	3,419,333	3,541,422	3,725,264	4,304,035	4,322,073	4,193,729	4,270,786
4/1/2032	2,509,397	2,438,964	2,730,448	2,742,218	2,744,228	2,924,398	2,997,597
5/1/2032	1,743,113	1,709,323	1,900,589	1,762,084	1,860,654	2,039,983	2,031,607
6/1/2032	1,108,547	1,212,481	1,204,094	1,270,768	1,278,664	1,436,969	1,392,840
7/1/2032	1,047,812	1,045,975	1,137,085	1,138,217	1,139,076	1,236,800	1,240,250
8/1/2032	1,040,484	1,039,874	1,129,729	1,128,874	1,128,984	1,229,615	1,229,338
9/1/2032	1,283,915	1,300,769	1,388,754	1,398,288	1,391,749	1,525,767	1,508,884
10/1/2032	2,359,346	2,157,278	2,563,415	2,763,217	2,590,180	2,538,502	2,825,106
11/1/2032	4,115,374	4,327,377	4,482,630	4,674,168	4,376,580	5,158,401	4,788,907
12/1/2032	5,476,745	6,203,824	5,964,309	6,351,532	6,762,167	7,410,098	7,421,626
1/1/2033	5,354,429	5,499,739	5,873,705	6,085,187	6,138,102	6,633,851	6,740,598
2/1/2033	4,388,259	4,297,625	4,813,087	5,135,025	5,191,611	5,183,305	5,702,260
3/1/2033	3,912,063	3,455,009	4,288,250	4,269,141	3,807,611	4,179,172	4,171,673
4/1/2033	2,549,726	2,388,926	2,792,399	2,488,600	2,750,599	2,915,905	3,021,142
5/1/2033	1,641,349	1,694,871	1,797,600	1,869,602	2,089,145	2,040,085	2,296,093
6/1/2033	1,214,228	1,153,617	1,326,376	1,353,270	1,335,120	1,379,120	1,462,368
7/1/2033	1,048,870	1,047,729	1,144,844	1,142,576	1,144,105	1,253,960	1,252,809
8/1/2033	1,050,888	1,050,075	1,147,183	1,145,903	1,146,243	1,256,194	1,255,710
9/1/2033	1,316,971	1,256,928	1,431,610	1,435,597	1,395,373	1,490,103	1,524,090
10/1/2033	2,227,237	2,275,863	2,429,048	2,486,787	2,799,283	2,719,604	3,068,425
11/1/2033	4,323,763	4,341,150	4,735,418	4,818,466	4,122,043	5,241,338	4,536,660
12/1/2033	5,598,409	5,399,454	6,134,834	6,810,613	6,502,893	6,536,512	7,183,731
1/1/2034	5,425,843	5,631,602	5,990,000	6,339,202	6,735,048	6,883,900	7,444,635
2/1/2034	4,459,428	4,573,151	4,912,681	5,093,206	5,168,266	5,586,675	5,710,359
3/1/2034	3,782,228	4,007,255	4,170,561	4,319,190	4,392,437	4,905,042	4,851,327
4/1/2034	2,433,801	2,610,117	2,679,928	2,962,664	2,908,754	3,206,700	3,216,070
5/1/2034	1,695,894	1,602,274	1,867,495	1,980,272	1,808,488	1,964,141	1,997,396
6/1/2034	1,192,793	1,150,939	1,310,193	1,307,119	1,338,231	1,393,583	1,474,825
7/1/2034	1,051,999	1,055,116	1,154,233	1,155,589	1,159,941	1,275,977	1,277,738
8/1/2034	1,056,355	1,055,415	1,159,198	1,158,780	1,160,240	1,277,119	1,278,661
9/1/2034	1,296,680	1,258,670	1,416,689	1,396,494	1,416,910	1,508,859	1,552,810

Monthly Demand (Dth)							
Date	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
10/1/2034	2,307,209	2,324,670	2,531,599	2,575,778	2,555,831	2,801,874	2,819,694
11/1/2034	3,652,376	4,154,908	4,013,293	5,017,793	4,578,350	5,064,972	5,076,073
12/1/2034	5,821,643	6,057,475	6,416,538	5,711,411	6,776,625	7,447,910	7,532,735
1/1/2035	5,483,833	5,187,690	6,090,857	6,467,763	6,574,741	6,395,910	7,309,740
2/1/2035	4,389,658	4,583,302	4,870,048	4,845,206	4,574,978	5,633,114	5,075,739
3/1/2035	3,956,828	3,844,185	4,385,488	4,334,707	4,248,113	4,727,874	4,716,727
4/1/2035	2,540,101	2,457,907	2,815,078	2,799,420	2,868,160	3,047,980	3,186,619
5/1/2035	1,725,057	1,641,192	1,911,855	1,880,757	2,068,401	2,020,016	2,303,552
6/1/2035	1,197,531	1,167,487	1,322,113	1,370,240	1,332,204	1,434,148	1,476,635
7/1/2035	1,062,285	1,065,595	1,171,519	1,175,214	1,173,446	1,301,651	1,300,467
8/1/2035	1,061,852	1,061,451	1,171,380	1,171,493	1,170,686	1,298,232	1,297,812
9/1/2035	1,337,636	1,276,324	1,468,291	1,437,295	1,441,217	1,543,683	1,590,258
10/1/2035	2,375,005	2,133,042	2,618,744	2,722,693	2,589,321	2,593,378	2,875,196
11/1/2035	4,203,946	4,088,397	4,648,085	4,996,015	5,147,242	5,048,013	5,740,573
12/1/2035	5,449,158	5,726,730	6,036,011	6,643,774	6,541,843	7,112,281	7,320,988
1/1/2036	5,558,577	5,921,910	6,204,103	6,505,831	5,869,018	7,407,979	6,561,335
2/1/2036	4,799,608	4,960,252	5,359,294	5,185,982	5,528,242	6,179,242	6,181,485
3/1/2036	3,651,386	3,594,477	4,070,303	4,176,287	4,282,147	4,497,847	4,782,803
4/1/2036	2,460,694	2,695,029	2,740,926	2,814,585	2,865,066	3,419,090	3,199,171
5/1/2036	1,697,228	1,740,192	1,889,462	1,952,581	2,094,265	2,160,466	2,344,895
6/1/2036	1,211,346	1,193,399	1,345,080	1,300,554	1,384,365	1,474,430	1,543,565
7/1/2036	1,071,729	1,070,787	1,188,559	1,193,054	1,190,039	1,324,497	1,326,329
8/1/2036	1,060,209	1,058,102	1,175,778	1,175,336	1,173,680	1,308,803	1,308,654
9/1/2036	1,306,333	1,297,010	1,442,024	1,457,607	1,377,051	1,587,237	1,528,978
10/1/2036	2,278,179	2,411,638	2,523,042	2,504,122	2,573,525	2,975,469	2,871,175
11/1/2036	3,997,763	4,009,814	4,444,659	5,057,312	4,320,370	5,027,276	4,842,613
12/1/2036	5,861,471	5,716,409	6,529,334	6,658,225	6,706,987	7,173,288	7,551,035
1/1/2037	5,598,539	5,768,913	6,290,658	6,638,467	6,719,615	7,267,636	7,570,009
2/1/2037	4,550,849	4,830,343	5,103,938	5,373,001	5,102,633	6,096,971	5,734,330
3/1/2037	3,895,208	3,647,052	4,362,783	4,310,901	4,531,991	4,600,964	5,097,063
4/1/2037	2,648,050	2,566,865	2,967,904	2,825,173	2,960,454	3,278,282	3,330,984
5/1/2037	1,671,758	1,775,032	1,871,746	1,966,173	2,047,526	2,240,181	2,301,302
6/1/2037	1,289,280	1,237,209	1,440,233	1,359,630	1,362,244	1,560,538	1,527,217
7/1/2037	1,079,351	1,079,582	1,203,982	1,207,225	1,201,903	1,349,346	1,346,947
8/1/2037	1,064,623	1,064,600	1,187,630	1,188,007	1,187,579	1,331,803	1,331,440
9/1/2037	1,288,027	1,278,553	1,430,254	1,463,591	1,481,141	1,577,678	1,652,661
10/1/2037	2,425,039	2,504,806	2,706,282	2,799,798	2,763,498	3,138,118	3,101,698
11/1/2037	3,989,751	3,919,350	4,463,865	4,793,135	4,934,327	4,953,938	5,567,201
12/1/2037	5,694,487	5,492,748	6,376,521	6,815,205	7,396,263	7,027,103	8,386,908
1/1/2038	5,659,916	5,658,621	6,385,976	6,259,183	6,357,963	7,221,743	7,195,254
2/1/2038	4,483,734	4,349,951	5,051,179	5,200,198	5,890,543	5,523,656	6,669,866
3/1/2038	4,006,689	3,898,637	4,514,526	5,001,390	4,507,628	4,964,000	5,095,106
4/1/2038	2,574,460	2,604,585	2,897,654	2,864,258	2,959,129	3,331,312	3,345,271
5/1/2038	1,731,046	1,749,657	1,949,464	2,018,818	2,005,386	2,240,580	2,267,815
6/1/2038	1,225,401	1,248,636	1,375,514	1,387,025	1,409,976	1,583,192	1,590,535
7/1/2038	1,079,182	1,079,444	1,209,791	1,211,190	1,209,749	1,363,605	1,363,705
8/1/2038	1,075,351	1,074,231	1,205,604	1,205,154	1,205,101	1,358,904	1,358,924
9/1/2038	1,265,154	1,307,302	1,411,326	1,498,647	1,529,922	1,633,142	1,716,408
10/1/2038	2,402,236	2,717,837	2,691,514	2,796,700	2,600,449	3,433,919	2,938,562
11/1/2038	4,489,786	4,448,123	5,050,005	4,713,422	4,976,851	5,688,515	5,648,761
12/1/2038	6,003,884	6,149,235	6,764,594	7,073,436	6,911,945	7,869,349	7,882,191

Monthly HDDs							
	Minimum Weather	1% Weather	25% Weather	50% Weather	75% Weather	99% Weather	Max Weather
1/1/2019	756	699	817	709	753	777	687
2/1/2019	641	563	606	564	594	576	644
3/1/2019	470	474	523	467	495	443	494
4/1/2019	287	316	308	363	329	333	321
5/1/2019	194	168	168	146	185	163	183
6/1/2019	73	62	52	54	59	86	67
7/1/2019	11	17	14	13	16	11	19
8/1/2019	16	12	13	10	14	12	12
9/1/2019	77	77	89	102	81	98	97
10/1/2019	329	287	312	338	299	282	259
11/1/2019	548	525	567	467	457	555	566
12/1/2019	738	864	731	744	757	721	767
1/1/2020	711	760	740	722	786	775	771
2/1/2020	649	646	610	596	626	617	602
3/1/2020	491	479	421	453	486	465	480
4/1/2020	320	328	375	367	356	378	306
5/1/2020	174	170	199	202	164	218	172
6/1/2020	64	73	66	50	48	65	73
7/1/2020	13	15	12	19	12	18	14
8/1/2020	17	12	13	15	12	16	9
9/1/2020	93	82	80	92	80	78	87
10/1/2020	275	291	269	310	260	229	328
11/1/2020	533	540	570	632	512	511	573
12/1/2020	787	687	721	739	774	782	842
1/1/2021	684	749	766	686	731	727	705
2/1/2021	597	578	556	587	624	638	556
3/1/2021	459	480	467	470	467	506	497
4/1/2021	390	308	317	342	332	320	305
5/1/2021	155	205	164	205	177	196	173
6/1/2021	75	51	64	56	77	72	53
7/1/2021	15	14	16	13	11	8	12
8/1/2021	11	15	13	11	11	13	15
9/1/2021	63	73	89	72	83	96	67
10/1/2021	295	290	290	282	255	299	262
11/1/2021	507	596	451	548	544	591	587
12/1/2021	751	722	718	800	787	792	725
1/1/2022	728	649	799	814	721	655	845
2/1/2022	586	620	552	640	537	535	555
3/1/2022	490	490	503	504	509	492	453
4/1/2022	296	324	334	323	355	323	324
5/1/2022	160	152	167	141	153	170	209
6/1/2022	65	56	53	53	81	76	75
7/1/2022	11	14	14	16	13	14	14
8/1/2022	13	11	16	11	14	10	12
9/1/2022	92	88	90	54	77	86	89
10/1/2022	268	266	236	268	301	310	293
11/1/2022	561	592	528	535	549	512	581
12/1/2022	742	660	742	842	785	732	826
1/1/2023	661	805	701	647	758	738	716
2/1/2023	513	573	603	535	578	598	605
3/1/2023	407	486	477	493	475	503	486
4/1/2023	319	311	339	289	329	351	327
5/1/2023	191	167	202	164	186	192	203
6/1/2023	68	74	69	89	67	71	74
7/1/2023	13	14	14	13	13	11	14
8/1/2023	13	10	10	13	14	12	14
9/1/2023	90	73	85	99	72	110	85
10/1/2023	290	297	276	265	314	322	311
11/1/2023	593	533	498	632	609	563	572
12/1/2023	705	748	739	749	732	754	822

Monthly HDDs								
	Minimum Weather	1% Weather	25% Weather	50% Weather	75% Weather	99% Weather	Max Weather	
1/1/2024	688	694	639	686	689	723	692	
2/1/2024	625	645	609	549	522	644	636	
3/1/2024	510	478	490	475	470	513	454	
4/1/2024	354	353	335	293	320	363	285	
5/1/2024	142	159	173	190	154	185	171	
6/1/2024	69	52	49	56	62	66	68	
7/1/2024	16	16	14	14	12	13	12	
8/1/2024	10	15	12	10	10	13	14	
9/1/2024	115	70	111	65	89	110	78	
10/1/2024	299	311	274	315	279	281	332	
11/1/2024	486	537	596	558	488	529	569	
12/1/2024	679	727	734	778	787	751	656	
1/1/2025	745	695	698	751	707	718	733	
2/1/2025	575	587	544	552	531	638	521	
3/1/2025	510	440	489	415	445	551	504	
4/1/2025	290	289	273	357	381	331	338	
5/1/2025	147	198	178	178	190	180	189	
6/1/2025	71	59	76	59	61	63	68	
7/1/2025	16	17	11	14	11	14	15	
8/1/2025	14	13	12	15	12	14	10	
9/1/2025	81	85	90	78	71	94	83	
10/1/2025	279	314	246	367	263	327	322	
11/1/2025	499	502	522	533	627	579	571	
12/1/2025	702	728	720	700	767	726	754	
1/1/2026	680	753	783	651	840	787	780	
2/1/2026	550	541	568	542	593	575	576	
3/1/2026	485	533	528	479	493	491	461	
4/1/2026	343	271	339	286	350	274	265	
5/1/2026	186	171	183	139	163	163	176	
6/1/2026	78	58	54	72	73	51	53	
7/1/2026	11	13	16	13	11	17	19	
8/1/2026	14	14	9	10	9	16	10	
9/1/2026	96	87	87	96	69	87	75	
10/1/2026	294	264	278	272	251	279	309	
11/1/2026	595	530	596	523	555	509	565	
12/1/2026	729	743	765	752	813	753	793	
1/1/2027	733	753	776	714	644	690	723	
2/1/2027	560	516	580	571	585	593	643	
3/1/2027	434	484	500	470	493	472	465	
4/1/2027	275	312	336	299	317	273	346	
5/1/2027	191	145	159	210	224	146	182	
6/1/2027	77	85	77	51	71	70	61	
7/1/2027	15	15	18	12	14	13	12	
8/1/2027	14	16	13	9	11	7	11	
9/1/2027	96	85	92	87	88	52	91	
10/1/2027	288	291	271	309	304	271	316	
11/1/2027	485	526	525	576	578	486	561	
12/1/2027	746	762	817	783	757	821	825	
1/1/2028	658	726	750	692	701	752	730	
2/1/2028	526	595	594	593	579	643	564	
3/1/2028	413	458	508	501	533	462	533	
4/1/2028	298	359	299	291	310	332	320	
5/1/2028	164	160	185	157	176	222	173	
6/1/2028	80	66	65	47	94	57	68	
7/1/2028	11	14	13	14	16	13	12	
8/1/2028	17	12	17	11	15	15	12	
9/1/2028	60	87	76	84	77	90	83	
10/1/2028	315	302	275	311	251	306	325	
11/1/2028	566	513	493	555	569	556	554	
12/1/2028	754	726	736	765	781	784	813	



Monthly HDDs							
	Minimum Weather	1% Weather	25% Weather	50% Weather	75% Weather	99% Weather	Max Weather
1/1/2029	664	753	703	665	803	643	759
2/1/2029	632	613	624	555	608	569	604
3/1/2029	488	446	444	441	525	499	525
4/1/2029	346	337	337	358	344	256	384
5/1/2029	153	226	175	185	180	143	174
6/1/2029	73	70	53	65	54	82	71
7/1/2029	17	15	13	19	14	11	16
8/1/2029	11	13	9	11	11	13	14
9/1/2029	87	96	78	80	75	81	70
10/1/2029	264	280	319	334	280	384	303
11/1/2029	502	505	507	527	495	518	566
12/1/2029	769	718	755	785	804	735	825
1/1/2030	748	663	779	625	694	739	719
2/1/2030	496	562	571	551	626	606	592
3/1/2030	534	486	509	503	490	456	489
4/1/2030	379	312	285	293	329	338	328
5/1/2030	195	193	189	149	142	167	202
6/1/2030	63	82	61	65	50	80	87
7/1/2030	14	15	15	15	15	13	15
8/1/2030	14	12	12	16	13	11	11
9/1/2030	92	99	92	86	79	83	76
10/1/2030	289	262	348	316	275	285	307
11/1/2030	559	536	554	481	567	570	540
12/1/2030	775	753	705	771	718	706	797
1/1/2031	754	754	675	785	747	693	760
2/1/2031	540	589	665	511	509	575	633
3/1/2031	491	441	513	467	520	473	448
4/1/2031	310	302	343	289	314	284	326
5/1/2031	159	149	184	187	109	159	201
6/1/2031	63	76	59	66	54	64	47
7/1/2031	12	12	12	10	17	14	10
8/1/2031	14	14	13	14	14	17	11
9/1/2031	91	114	75	75	83	98	80
10/1/2031	304	278	270	332	306	331	318
11/1/2031	526	527	536	579	520	608	476
12/1/2031	782	800	767	810	805	823	738
1/1/2032	715	784	743	774	684	725	799
2/1/2032	589	612	560	590	572	587	584
3/1/2032	415	435	484	513	469	489	514
4/1/2032	324	313	323	327	345	301	327
5/1/2032	188	181	165	154	189	186	179
6/1/2032	35	74	67	55	60	51	62
7/1/2032	13	11	14	14	12	11	16
8/1/2032	16	12	9	14	15	12	11
9/1/2032	80	86	58	83	81	80	81
10/1/2032	287	241	329	330	261	335	292
11/1/2032	543	581	565	575	592	598	528
12/1/2032	718	834	765	777	739	744	838
1/1/2033	679	699	662	707	775	696	718
2/1/2033	564	549	557	613	651	542	623
3/1/2033	501	423	499	498	518	453	423
4/1/2033	330	304	322	270	333	335	323
5/1/2033	155	172	156	173	190	177	229
6/1/2033	70	50	72	80	65	51	72
7/1/2033	12	15	16	11	14	14	14
8/1/2033	14	14	16	13	13	16	14
9/1/2033	89	67	88	90	83	74	76
10/1/2033	255	266	236	267	295	281	331
11/1/2033	576	580	555	591	518	602	479
12/1/2033	733	705	741	832	826	784	787

Monthly HDDs							
	Minimum Weather	1% Weather	25% Weather	50% Weather	75% Weather	99% Weather	Max Weather
1/1/2034	685	720	665	735	722	723	794
2/1/2034	573	595	566	598	638	600	611
3/1/2034	474	519	471	497	472	469	511
4/1/2034	304	350	339	360	287	356	349
5/1/2034	167	144	185	192	147	178	154
6/1/2034	65	48	60	62	69	76	69
7/1/2034	12	14	15	10	13	19	18
8/1/2034	18	10	12	14	11	14	19
9/1/2034	81	69	74	75	87	98	83
10/1/2034	269	273	288	279	276	312	273
11/1/2034	456	545	566	612	497	649	545
12/1/2034	767	808	725	661	793	770	818
1/1/2035	688	642	708	741	667	757	759
2/1/2035	556	589	557	552	558	615	514
3/1/2035	503	483	509	494	472	494	480
4/1/2035	324	310	306	320	302	294	333
5/1/2035	172	150	131	164	211	182	208
6/1/2035	62	54	66	78	73	58	64
7/1/2035	11	17	11	15	17	11	15
8/1/2035	14	14	12	16	13	13	11
9/1/2035	92	72	81	84	86	82	86
10/1/2035	281	226	262	302	296	342	274
11/1/2035	549	531	573	603	602	529	626
12/1/2035	700	751	833	789	761	788	772
1/1/2036	696	757	801	739	713	695	647
2/1/2036	614	642	552	589	628	583	641
3/1/2036	445	437	499	463	501	490	481
4/1/2036	302	363	337	317	350	349	327
5/1/2036	163	174	231	179	174	188	213
6/1/2036	63	58	71	50	75	64	78
7/1/2036	8	10	16	17	12	15	12
8/1/2036	17	10	17	15	16	14	10
9/1/2036	77	76	74	81	105	91	58
10/1/2036	257	284	286	252	248	282	266
11/1/2036	510	512	511	604	554	558	492
12/1/2036	760	736	798	778	753	791	786
1/1/2037	698	727	700	749	671	740	757
2/1/2037	576	623	519	616	573	607	577
3/1/2037	485	442	467	476	487	490	511
4/1/2037	339	330	343	312	327	331	338
5/1/2037	156	184	194	177	161	201	196
6/1/2037	89	76	52	65	60	84	65
7/1/2037	16	16	14	18	10	17	11
8/1/2037	11	12	14	15	12	16	13
9/1/2037	69	68	99	79	52	89	83
10/1/2037	285	305	308	306	344	269	298
11/1/2037	503	492	540	555	526	557	576
12/1/2037	728	705	846	789	772	765	874
1/1/2038	704	705	731	686	774	760	700
2/1/2038	562	536	589	584	578	578	683
3/1/2038	500	480	486	576	451	518	499
4/1/2038	320	330	354	314	352	300	333
5/1/2038	168	176	184	185	169	170	184
6/1/2038	62	74	71	69	75	51	75
7/1/2038	15	13	13	15	13	15	11
8/1/2038	14	9	11	12	13	8	12
9/1/2038	59	73	58	86	87	110	95
10/1/2038	280	351	313	301	317	352	261
11/1/2038	585	578	514	532	566	511	575
12/1/2038	772	796	740	814	787	935	792

Monthly PVRR (\$000)							
Scenario	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
1/1/2019	\$ 18,469	\$ 17,759	\$ 18,606	\$ 17,817	\$ 17,886	\$ 17,883	\$ 17,929
2/1/2019	\$ 15,733	\$ 15,034	\$ 15,768	\$ 15,225	\$ 15,875	\$ 15,138	\$ 15,930
3/1/2019	\$ 14,246	\$ 13,980	\$ 14,302	\$ 14,001	\$ 14,263	\$ 14,070	\$ 14,369
4/1/2019	\$ 9,794	\$ 9,947	\$ 9,816	\$ 10,408	\$ 10,059	\$ 10,037	\$ 10,081
5/1/2019	\$ 8,373	\$ 8,170	\$ 8,394	\$ 8,058	\$ 8,301	\$ 8,234	\$ 8,321
6/1/2019	\$ 7,473	\$ 7,492	\$ 7,485	\$ 7,455	\$ 7,505	\$ 7,529	\$ 7,518
7/1/2019	\$ 7,789	\$ 7,810	\$ 7,802	\$ 7,771	\$ 7,824	\$ 7,847	\$ 7,837
8/1/2019	\$ 7,769	\$ 7,789	\$ 7,781	\$ 7,750	\$ 7,803	\$ 7,827	\$ 7,817
9/1/2019	\$ 7,548	\$ 7,575	\$ 7,561	\$ 7,590	\$ 7,600	\$ 7,608	\$ 7,614
10/1/2019	\$ 10,110	\$ 9,694	\$ 10,142	\$ 10,232	\$ 9,469	\$ 9,762	\$ 9,498
11/1/2019	\$ 13,530	\$ 13,341	\$ 13,585	\$ 12,581	\$ 13,821	\$ 13,449	\$ 13,876
12/1/2019	\$ 17,479	\$ 19,216	\$ 17,547	\$ 17,604	\$ 17,926	\$ 19,378	\$ 18,010
1/1/2020	\$ 28,164	\$ 29,026	\$ 28,437	\$ 28,127	\$ 29,481	\$ 29,793	\$ 29,760
2/1/2020	\$ 24,605	\$ 24,571	\$ 24,835	\$ 23,718	\$ 23,712	\$ 25,065	\$ 23,979
3/1/2020	\$ 21,839	\$ 21,368	\$ 22,062	\$ 21,101	\$ 21,724	\$ 21,906	\$ 21,940
4/1/2020	\$ 15,530	\$ 15,577	\$ 15,669	\$ 16,585	\$ 15,405	\$ 15,958	\$ 15,541
5/1/2020	\$ 12,543	\$ 12,381	\$ 12,634	\$ 13,146	\$ 12,603	\$ 12,630	\$ 12,695
6/1/2020	\$ 10,431	\$ 10,605	\$ 10,537	\$ 10,519	\$ 10,586	\$ 10,722	\$ 10,664
7/1/2020	\$ 10,764	\$ 10,932	\$ 10,856	\$ 10,864	\$ 10,967	\$ 11,063	\$ 11,048
8/1/2020	\$ 10,756	\$ 10,923	\$ 10,847	\$ 10,855	\$ 10,959	\$ 11,055	\$ 11,040
9/1/2020	\$ 10,931	\$ 10,796	\$ 11,024	\$ 10,848	\$ 10,866	\$ 10,920	\$ 10,943
10/1/2020	\$ 15,620	\$ 16,004	\$ 15,739	\$ 16,482	\$ 16,901	\$ 16,223	\$ 17,051
11/1/2020	\$ 23,096	\$ 23,630	\$ 23,326	\$ 25,648	\$ 24,667	\$ 24,131	\$ 24,921
12/1/2020	\$ 29,733	\$ 27,852	\$ 30,165	\$ 29,561	\$ 32,304	\$ 28,596	\$ 32,721
1/1/2021	\$ 28,580	\$ 28,661	\$ 29,051	\$ 29,151	\$ 29,848	\$ 29,853	\$ 30,474
2/1/2021	\$ 24,277	\$ 23,588	\$ 24,691	\$ 24,160	\$ 23,458	\$ 24,423	\$ 23,679
3/1/2021	\$ 21,639	\$ 22,020	\$ 21,975	\$ 22,239	\$ 22,969	\$ 22,864	\$ 23,321
4/1/2021	\$ 17,195	\$ 15,569	\$ 17,440	\$ 16,466	\$ 15,703	\$ 16,001	\$ 15,909
5/1/2021	\$ 12,247	\$ 12,994	\$ 12,384	\$ 13,266	\$ 12,769	\$ 13,426	\$ 12,918
6/1/2021	\$ 11,111	\$ 11,130	\$ 11,205	\$ 11,123	\$ 10,936	\$ 11,287	\$ 11,044
7/1/2021	\$ 11,374	\$ 11,441	\$ 11,467	\$ 11,414	\$ 11,232	\$ 11,599	\$ 11,341
8/1/2021	\$ 11,352	\$ 11,419	\$ 11,445	\$ 11,391	\$ 11,211	\$ 11,577	\$ 11,319
9/1/2021	\$ 11,104	\$ 11,244	\$ 11,199	\$ 11,223	\$ 11,015	\$ 11,400	\$ 11,123
10/1/2021	\$ 15,989	\$ 15,896	\$ 16,190	\$ 15,942	\$ 15,512	\$ 16,325	\$ 15,705
11/1/2021	\$ 22,668	\$ 25,126	\$ 23,081	\$ 24,215	\$ 24,649	\$ 26,294	\$ 25,508
12/1/2021	\$ 29,365	\$ 29,375	\$ 29,976	\$ 31,842	\$ 29,757	\$ 30,248	\$ 30,469
1/1/2022	\$ 29,135	\$ 26,954	\$ 29,926	\$ 32,235	\$ 32,913	\$ 28,412	\$ 33,678
2/1/2022	\$ 23,142	\$ 25,236	\$ 24,010	\$ 25,483	\$ 24,210	\$ 26,297	\$ 24,751
3/1/2022	\$ 22,826	\$ 22,891	\$ 23,316	\$ 23,718	\$ 22,296	\$ 23,891	\$ 22,758
4/1/2022	\$ 15,418	\$ 16,014	\$ 15,704	\$ 16,275	\$ 16,289	\$ 16,636	\$ 16,604
5/1/2022	\$ 12,508	\$ 12,352	\$ 12,694	\$ 12,198	\$ 13,432	\$ 12,629	\$ 13,669
6/1/2022	\$ 11,620	\$ 11,140	\$ 11,661	\$ 11,592	\$ 11,686	\$ 11,445	\$ 11,729
7/1/2022	\$ 11,910	\$ 11,428	\$ 11,946	\$ 11,903	\$ 11,955	\$ 11,734	\$ 11,994
8/1/2022	\$ 11,893	\$ 11,410	\$ 11,929	\$ 11,886	\$ 11,938	\$ 11,717	\$ 11,977
9/1/2022	\$ 11,818	\$ 11,261	\$ 11,870	\$ 11,612	\$ 11,813	\$ 11,588	\$ 11,868
10/1/2022	\$ 15,508	\$ 15,558	\$ 15,792	\$ 15,813	\$ 16,373	\$ 16,083	\$ 16,680
11/1/2022	\$ 24,365	\$ 24,802	\$ 25,222	\$ 24,669	\$ 25,818	\$ 26,525	\$ 26,372
12/1/2022	\$ 28,644	\$ 28,192	\$ 29,651	\$ 31,541	\$ 31,715	\$ 28,876	\$ 33,410
1/1/2023	\$ 27,730	\$ 31,228	\$ 28,482	\$ 28,320	\$ 30,181	\$ 33,228	\$ 30,852
2/1/2023	\$ 22,795	\$ 23,792	\$ 23,708	\$ 24,276	\$ 26,305	\$ 26,135	\$ 26,954
3/1/2023	\$ 21,068	\$ 23,302	\$ 21,621	\$ 24,067	\$ 23,862	\$ 24,586	\$ 24,316
4/1/2023	\$ 16,086	\$ 15,829	\$ 16,476	\$ 15,774	\$ 16,596	\$ 16,708	\$ 16,998
5/1/2023	\$ 13,173	\$ 12,858	\$ 13,330	\$ 13,046	\$ 13,479	\$ 13,288	\$ 13,772
6/1/2023	\$ 11,721	\$ 11,767	\$ 11,776	\$ 11,977	\$ 12,057	\$ 11,933	\$ 12,166
7/1/2023	\$ 12,036	\$ 12,042	\$ 12,087	\$ 12,204	\$ 12,194	\$ 12,163	\$ 12,267
8/1/2023	\$ 12,019	\$ 12,025	\$ 12,071	\$ 12,376	\$ 12,327	\$ 12,331	\$ 12,551
9/1/2023	\$ 11,828	\$ 11,827	\$ 11,904	\$ 12,137	\$ 12,204	\$ 12,005	\$ 12,325
10/1/2023	\$ 16,260	\$ 16,393	\$ 16,637	\$ 15,963	\$ 17,070	\$ 17,155	\$ 17,481
11/1/2023	\$ 25,698	\$ 23,669	\$ 26,326	\$ 27,601	\$ 26,073	\$ 25,211	\$ 26,797
12/1/2023	\$ 30,115	\$ 30,163	\$ 30,710	\$ 31,925	\$ 33,615	\$ 31,702	\$ 34,289
1/1/2024	\$ 26,760	\$ 28,646	\$ 28,803	\$ 28,220	\$ 29,125	\$ 30,693	\$ 30,635
2/1/2024	\$ 26,314	\$ 27,232	\$ 27,209	\$ 25,247	\$ 28,129	\$ 29,940	\$ 29,211
3/1/2024	\$ 24,205	\$ 23,305	\$ 25,008	\$ 23,987	\$ 23,354	\$ 24,802	\$ 24,060
4/1/2024	\$ 17,087	\$ 16,814	\$ 17,604	\$ 16,214	\$ 15,960	\$ 18,040	\$ 16,392
5/1/2024	\$ 12,556	\$ 12,538	\$ 12,663	\$ 13,350	\$ 13,007	\$ 13,087	\$ 13,305

Monthly PVRR (\$000)							
Scenario	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
6/1/2024	\$ 11,972	\$ 11,795	\$ 12,044	\$ 12,010	\$ 12,099	\$ 12,284	\$ 12,433
7/1/2024	\$ 12,189	\$ 12,111	\$ 12,437	\$ 12,235	\$ 12,274	\$ 12,387	\$ 12,452
8/1/2024	\$ 12,351	\$ 12,090	\$ 12,441	\$ 12,274	\$ 12,373	\$ 12,595	\$ 12,632
9/1/2024	\$ 12,140	\$ 11,850	\$ 12,230	\$ 12,083	\$ 12,163	\$ 12,330	\$ 12,492
10/1/2024	\$ 16,646	\$ 16,987	\$ 17,129	\$ 17,477	\$ 17,876	\$ 17,901	\$ 18,353
11/1/2024	\$ 23,199	\$ 24,716	\$ 23,857	\$ 25,886	\$ 26,337	\$ 26,332	\$ 27,087
12/1/2024	\$ 30,101	\$ 31,602	\$ 30,837	\$ 33,844	\$ 30,871	\$ 33,320	\$ 31,699
1/1/2025	\$ 28,468	\$ 27,768	\$ 30,130	\$ 30,601	\$ 29,057	\$ 30,500	\$ 30,959
2/1/2025	\$ 25,335	\$ 24,479	\$ 26,733	\$ 26,081	\$ 24,377	\$ 27,510	\$ 25,847
3/1/2025	\$ 24,514	\$ 22,420	\$ 25,443	\$ 22,574	\$ 25,299	\$ 24,031	\$ 26,163
4/1/2025	\$ 15,778	\$ 15,684	\$ 16,304	\$ 17,986	\$ 17,452	\$ 16,792	\$ 18,080
5/1/2025	\$ 12,680	\$ 13,167	\$ 12,991	\$ 13,460	\$ 13,345	\$ 14,002	\$ 13,773
6/1/2025	\$ 11,954	\$ 12,026	\$ 12,176	\$ 12,308	\$ 12,482	\$ 12,714	\$ 12,617
7/1/2025	\$ 12,185	\$ 12,235	\$ 12,365	\$ 12,422	\$ 12,498	\$ 12,637	\$ 12,594
8/1/2025	\$ 12,162	\$ 12,212	\$ 12,384	\$ 12,399	\$ 12,474	\$ 12,728	\$ 12,681
9/1/2025	\$ 11,981	\$ 12,036	\$ 12,247	\$ 12,303	\$ 12,433	\$ 12,772	\$ 12,713
10/1/2025	\$ 16,333	\$ 17,213	\$ 16,845	\$ 19,124	\$ 17,863	\$ 18,270	\$ 18,501
11/1/2025	\$ 24,184	\$ 24,427	\$ 25,053	\$ 26,080	\$ 27,011	\$ 26,251	\$ 28,017
12/1/2025	\$ 31,446	\$ 32,549	\$ 32,467	\$ 32,681	\$ 33,164	\$ 34,481	\$ 34,529
1/1/2026	\$ 27,718	\$ 28,474	\$ 29,340	\$ 27,950	\$ 33,764	\$ 34,216	\$ 34,947
2/1/2026	\$ 23,375	\$ 24,216	\$ 24,594	\$ 24,559	\$ 26,334	\$ 26,134	\$ 28,782
3/1/2026	\$ 23,689	\$ 25,347	\$ 24,998	\$ 24,708	\$ 24,186	\$ 27,603	\$ 25,161
4/1/2026	\$ 17,166	\$ 15,388	\$ 17,854	\$ 16,410	\$ 15,895	\$ 16,649	\$ 16,499
5/1/2026	\$ 13,287	\$ 12,859	\$ 13,656	\$ 13,002	\$ 13,391	\$ 13,554	\$ 13,821
6/1/2026	\$ 12,302	\$ 12,019	\$ 12,601	\$ 12,305	\$ 12,225	\$ 12,606	\$ 12,545
7/1/2026	\$ 12,360	\$ 12,224	\$ 12,606	\$ 12,478	\$ 12,423	\$ 12,652	\$ 12,626
8/1/2026	\$ 12,337	\$ 12,200	\$ 12,582	\$ 12,454	\$ 12,420	\$ 12,761	\$ 12,728
9/1/2026	\$ 12,190	\$ 12,038	\$ 12,529	\$ 12,469	\$ 12,183	\$ 12,703	\$ 12,551
10/1/2026	\$ 16,713	\$ 16,017	\$ 17,320	\$ 16,845	\$ 17,836	\$ 17,222	\$ 18,516
11/1/2026	\$ 27,189	\$ 25,172	\$ 28,279	\$ 26,287	\$ 26,926	\$ 27,206	\$ 28,196
12/1/2026	\$ 32,858	\$ 33,024	\$ 34,088	\$ 34,366	\$ 35,384	\$ 35,362	\$ 36,806
1/1/2027	\$ 28,649	\$ 29,115	\$ 31,202	\$ 30,117	\$ 31,392	\$ 34,941	\$ 33,913
2/1/2027	\$ 25,665	\$ 24,331	\$ 26,856	\$ 26,997	\$ 29,844	\$ 27,155	\$ 32,051
3/1/2027	\$ 22,805	\$ 24,233	\$ 23,874	\$ 24,708	\$ 24,836	\$ 26,505	\$ 25,972
4/1/2027	\$ 15,620	\$ 16,494	\$ 16,268	\$ 16,865	\$ 18,143	\$ 18,121	\$ 19,013
5/1/2027	\$ 13,045	\$ 12,738	\$ 13,532	\$ 13,877	\$ 13,674	\$ 13,550	\$ 14,048
6/1/2027	\$ 12,122	\$ 11,974	\$ 12,533	\$ 12,831	\$ 12,584	\$ 12,667	\$ 12,822
7/1/2027	\$ 12,056	\$ 12,183	\$ 12,526	\$ 12,632	\$ 12,606	\$ 12,742	\$ 12,808
8/1/2027	\$ 12,358	\$ 12,165	\$ 12,615	\$ 12,741	\$ 12,588	\$ 12,741	\$ 12,790
9/1/2027	\$ 12,226	\$ 12,062	\$ 12,533	\$ 12,552	\$ 12,456	\$ 12,842	\$ 12,914
10/1/2027	\$ 16,677	\$ 16,818	\$ 17,338	\$ 17,861	\$ 18,156	\$ 18,316	\$ 19,005
11/1/2027	\$ 24,447	\$ 25,275	\$ 25,609	\$ 28,077	\$ 27,618	\$ 28,057	\$ 29,251
12/1/2027	\$ 32,873	\$ 33,847	\$ 34,388	\$ 36,001	\$ 37,529	\$ 36,592	\$ 38,826
1/1/2028	\$ 26,863	\$ 27,968	\$ 29,809	\$ 29,627	\$ 32,077	\$ 34,930	\$ 35,490
2/1/2028	\$ 24,325	\$ 27,141	\$ 26,015	\$ 28,297	\$ 27,604	\$ 30,699	\$ 29,494
3/1/2028	\$ 21,934	\$ 23,680	\$ 23,055	\$ 26,185	\$ 26,764	\$ 26,145	\$ 28,737
4/1/2028	\$ 16,183	\$ 17,615	\$ 17,043	\$ 16,795	\$ 17,564	\$ 19,740	\$ 18,520
5/1/2028	\$ 13,342	\$ 13,023	\$ 13,703	\$ 13,602	\$ 13,747	\$ 13,770	\$ 14,112
6/1/2028	\$ 12,518	\$ 12,435	\$ 12,674	\$ 12,662	\$ 12,787	\$ 12,951	\$ 12,967
7/1/2028	\$ 11,780	\$ 11,953	\$ 12,262	\$ 12,407	\$ 12,456	\$ 12,924	\$ 12,931
8/1/2028	\$ 12,616	\$ 12,549	\$ 12,736	\$ 12,730	\$ 12,783	\$ 12,913	\$ 12,919
9/1/2028	\$ 12,312	\$ 12,342	\$ 12,480	\$ 12,569	\$ 12,575	\$ 12,872	\$ 12,826
10/1/2028	\$ 17,491	\$ 17,114	\$ 18,406	\$ 18,331	\$ 18,613	\$ 18,954	\$ 19,618
11/1/2028	\$ 26,810	\$ 25,235	\$ 28,046	\$ 27,392	\$ 27,937	\$ 28,254	\$ 29,775
12/1/2028	\$ 34,117	\$ 33,566	\$ 36,512	\$ 35,646	\$ 37,383	\$ 36,295	\$ 38,513
1/1/2029	\$ 28,182	\$ 28,473	\$ 29,710	\$ 29,330	\$ 33,545	\$ 35,737	\$ 37,834
2/1/2029	\$ 25,924	\$ 27,658	\$ 29,008	\$ 27,585	\$ 29,732	\$ 32,183	\$ 32,158
3/1/2029	\$ 24,398	\$ 23,554	\$ 26,019	\$ 24,617	\$ 26,998	\$ 26,522	\$ 28,923
4/1/2029	\$ 17,491	\$ 16,969	\$ 18,520	\$ 18,762	\$ 19,492	\$ 19,224	\$ 20,698
5/1/2029	\$ 13,080	\$ 13,661	\$ 13,461	\$ 13,872	\$ 13,752	\$ 15,220	\$ 14,174
6/1/2029	\$ 12,547	\$ 12,920	\$ 12,818	\$ 13,011	\$ 12,992	\$ 13,396	\$ 13,232
7/1/2029	\$ 11,895	\$ 11,966	\$ 12,390	\$ 12,383	\$ 12,340	\$ 13,162	\$ 12,970
8/1/2029	\$ 12,607	\$ 12,823	\$ 12,841	\$ 12,922	\$ 12,914	\$ 13,151	\$ 13,082
9/1/2029	\$ 12,357	\$ 12,660	\$ 12,611	\$ 12,722	\$ 12,645	\$ 13,110	\$ 12,839
10/1/2029	\$ 16,155	\$ 16,434	\$ 17,045	\$ 19,049	\$ 18,075	\$ 18,388	\$ 19,149

Monthly PVRR (\$000)							
Scenario	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
11/1/2029	\$ 25,206	\$ 25,105	\$ 26,610	\$ 27,274	\$ 28,893	\$ 28,539	\$ 30,872
12/1/2029	\$ 34,614	\$ 33,054	\$ 36,305	\$ 36,871	\$ 37,284	\$ 37,093	\$ 39,312
1/1/2030	\$ 29,810	\$ 27,777	\$ 32,915	\$ 29,539	\$ 33,493	\$ 32,662	\$ 37,088
2/1/2030	\$ 23,717	\$ 24,795	\$ 26,103	\$ 27,254	\$ 29,083	\$ 30,858	\$ 32,164
3/1/2030	\$ 25,311	\$ 23,920	\$ 26,984	\$ 26,213	\$ 26,622	\$ 27,785	\$ 28,537
4/1/2030	\$ 18,459	\$ 16,618	\$ 19,624	\$ 17,239	\$ 18,106	\$ 18,823	\$ 19,321
5/1/2030	\$ 14,006	\$ 13,427	\$ 14,662	\$ 13,565	\$ 14,178	\$ 14,535	\$ 14,753
6/1/2030	\$ 12,531	\$ 12,650	\$ 13,013	\$ 12,819	\$ 13,204	\$ 13,520	\$ 13,516
7/1/2030	\$ 11,984	\$ 11,761	\$ 12,406	\$ 12,252	\$ 12,323	\$ 13,261	\$ 13,049
8/1/2030	\$ 12,531	\$ 12,763	\$ 12,969	\$ 12,901	\$ 13,060	\$ 13,267	\$ 13,265
9/1/2030	\$ 12,323	\$ 12,594	\$ 12,773	\$ 12,746	\$ 12,898	\$ 13,188	\$ 13,155
10/1/2030	\$ 16,922	\$ 16,195	\$ 17,891	\$ 18,879	\$ 18,441	\$ 18,137	\$ 19,659
11/1/2030	\$ 27,325	\$ 26,338	\$ 28,920	\$ 26,289	\$ 27,837	\$ 30,073	\$ 29,948
12/1/2030	\$ 35,679	\$ 34,869	\$ 37,045	\$ 37,564	\$ 37,454	\$ 37,502	\$ 39,680
1/1/2031	\$ 29,981	\$ 29,428	\$ 34,347	\$ 34,547	\$ 35,162	\$ 39,090	\$ 40,542
2/1/2031	\$ 25,271	\$ 27,516	\$ 27,740	\$ 26,809	\$ 32,280	\$ 33,281	\$ 34,672
3/1/2031	\$ 25,007	\$ 23,948	\$ 26,793	\$ 25,748	\$ 25,467	\$ 26,876	\$ 27,487
4/1/2031	\$ 16,738	\$ 16,277	\$ 17,853	\$ 17,195	\$ 18,312	\$ 18,895	\$ 19,688
5/1/2031	\$ 13,212	\$ 13,285	\$ 13,825	\$ 14,224	\$ 14,439	\$ 14,603	\$ 15,020
6/1/2031	\$ 12,491	\$ 12,495	\$ 13,040	\$ 13,242	\$ 13,131	\$ 13,384	\$ 13,433
7/1/2031	\$ 11,829	\$ 11,714	\$ 12,392	\$ 12,203	\$ 12,207	\$ 13,204	\$ 12,995
8/1/2031	\$ 12,541	\$ 12,755	\$ 12,983	\$ 13,128	\$ 13,083	\$ 13,273	\$ 13,292
9/1/2031	\$ 12,418	\$ 12,675	\$ 12,886	\$ 12,948	\$ 12,923	\$ 13,331	\$ 13,195
10/1/2031	\$ 17,534	\$ 16,678	\$ 18,639	\$ 19,426	\$ 19,006	\$ 19,004	\$ 20,389
11/1/2031	\$ 26,275	\$ 26,254	\$ 27,980	\$ 29,793	\$ 27,169	\$ 30,547	\$ 29,241
12/1/2031	\$ 36,252	\$ 37,216	\$ 38,196	\$ 38,805	\$ 36,657	\$ 40,437	\$ 37,695
1/1/2032	\$ 29,415	\$ 31,290	\$ 32,633	\$ 36,103	\$ 35,258	\$ 42,183	\$ 41,870
2/1/2032	\$ 26,783	\$ 28,871	\$ 30,807	\$ 30,571	\$ 30,509	\$ 35,100	\$ 33,710
3/1/2032	\$ 23,347	\$ 24,021	\$ 24,800	\$ 27,928	\$ 28,103	\$ 27,915	\$ 30,637
4/1/2032	\$ 17,155	\$ 16,733	\$ 18,403	\$ 18,644	\$ 18,613	\$ 19,625	\$ 20,127
5/1/2032	\$ 13,718	\$ 13,639	\$ 14,463	\$ 13,955	\$ 14,027	\$ 14,948	\$ 14,482
6/1/2032	\$ 12,435	\$ 12,672	\$ 13,021	\$ 12,892	\$ 13,246	\$ 13,620	\$ 13,609
7/1/2032	\$ 11,686	\$ 11,466	\$ 12,239	\$ 12,314	\$ 12,281	\$ 13,084	\$ 13,083
8/1/2032	\$ 12,766	\$ 12,922	\$ 13,292	\$ 12,917	\$ 13,150	\$ 13,441	\$ 13,437
9/1/2032	\$ 12,583	\$ 12,631	\$ 13,146	\$ 12,734	\$ 12,943	\$ 13,411	\$ 13,289
10/1/2032	\$ 16,980	\$ 15,625	\$ 18,145	\$ 19,746	\$ 18,432	\$ 17,923	\$ 19,901
11/1/2032	\$ 27,683	\$ 28,715	\$ 29,670	\$ 30,616	\$ 28,947	\$ 33,774	\$ 31,484
12/1/2032	\$ 31,518	\$ 37,778	\$ 36,976	\$ 38,371	\$ 39,828	\$ 42,508	\$ 42,637
1/1/2033	\$ 30,466	\$ 29,998	\$ 32,720	\$ 33,385	\$ 35,297	\$ 39,116	\$ 40,452
2/1/2033	\$ 26,766	\$ 26,681	\$ 28,665	\$ 31,677	\$ 32,603	\$ 33,301	\$ 36,871
3/1/2033	\$ 26,085	\$ 23,545	\$ 27,923	\$ 28,208	\$ 25,874	\$ 27,943	\$ 27,968
4/1/2033	\$ 17,552	\$ 16,511	\$ 18,989	\$ 17,015	\$ 18,601	\$ 19,667	\$ 20,244
5/1/2033	\$ 13,550	\$ 13,643	\$ 14,301	\$ 14,183	\$ 15,402	\$ 15,238	\$ 16,202
6/1/2033	\$ 12,454	\$ 12,377	\$ 13,079	\$ 13,453	\$ 13,604	\$ 13,679	\$ 14,076
7/1/2033	\$ 11,549	\$ 11,522	\$ 12,115	\$ 12,237	\$ 12,226	\$ 12,987	\$ 13,209
8/1/2033	\$ 12,732	\$ 12,702	\$ 13,250	\$ 13,348	\$ 13,408	\$ 13,545	\$ 13,704
9/1/2033	\$ 12,624	\$ 12,371	\$ 13,182	\$ 13,205	\$ 13,179	\$ 13,399	\$ 13,547
10/1/2033	\$ 16,196	\$ 16,557	\$ 17,400	\$ 17,704	\$ 19,847	\$ 19,256	\$ 21,556
11/1/2033	\$ 28,414	\$ 28,930	\$ 30,568	\$ 31,597	\$ 27,894	\$ 33,786	\$ 30,468
12/1/2033	\$ 32,882	\$ 31,820	\$ 37,960	\$ 41,151	\$ 39,693	\$ 39,727	\$ 41,143
1/1/2034	\$ 30,903	\$ 32,269	\$ 33,132	\$ 35,774	\$ 37,256	\$ 39,117	\$ 44,610
2/1/2034	\$ 26,815	\$ 27,486	\$ 29,682	\$ 31,690	\$ 32,524	\$ 35,018	\$ 36,452
3/1/2034	\$ 25,595	\$ 26,788	\$ 27,774	\$ 28,936	\$ 29,104	\$ 32,085	\$ 31,821
4/1/2034	\$ 16,890	\$ 18,070	\$ 18,323	\$ 20,115	\$ 19,775	\$ 21,723	\$ 21,738
5/1/2034	\$ 13,828	\$ 13,159	\$ 14,753	\$ 14,898	\$ 14,450	\$ 14,692	\$ 15,267
6/1/2034	\$ 12,388	\$ 12,262	\$ 13,067	\$ 13,412	\$ 13,198	\$ 13,757	\$ 13,900
7/1/2034	\$ 11,504	\$ 11,595	\$ 12,068	\$ 12,198	\$ 12,185	\$ 13,001	\$ 13,170
8/1/2034	\$ 12,653	\$ 12,558	\$ 13,328	\$ 13,477	\$ 13,446	\$ 13,645	\$ 13,702
9/1/2034	\$ 12,445	\$ 12,373	\$ 13,131	\$ 13,193	\$ 13,267	\$ 13,565	\$ 13,653
10/1/2034	\$ 16,842	\$ 16,964	\$ 18,151	\$ 18,326	\$ 18,222	\$ 19,898	\$ 19,969
11/1/2034	\$ 25,625	\$ 28,240	\$ 27,672	\$ 33,032	\$ 30,733	\$ 33,630	\$ 33,445
12/1/2034	\$ 34,541	\$ 32,703	\$ 39,694	\$ 35,779	\$ 41,307	\$ 42,604	\$ 42,776
1/1/2035	\$ 31,234	\$ 31,846	\$ 33,752	\$ 34,632	\$ 36,480	\$ 38,760	\$ 44,899
2/1/2035	\$ 26,795	\$ 28,825	\$ 30,297	\$ 30,796	\$ 29,197	\$ 35,527	\$ 32,721
3/1/2035	\$ 26,393	\$ 26,346	\$ 28,808	\$ 28,601	\$ 28,763	\$ 31,513	\$ 31,692

Monthly PVRR (\$000)							
Scenario	Low Growth - Minimum Weather	Low Growth - 1% Weather	Expected Growth - Minimum Weather	Expected Growth - Average Weather	Expected Growth - Maximum Weather	High Growth - 99% Weather	High Growth - Maximum Weather
4/1/2035	\$ 17,560	\$ 17,127	\$ 19,218	\$ 19,057	\$ 19,490	\$ 20,679	\$ 21,401
5/1/2035	\$ 13,614	\$ 13,118	\$ 14,429	\$ 14,573	\$ 14,789	\$ 14,930	\$ 15,888
6/1/2035	\$ 12,645	\$ 12,399	\$ 13,440	\$ 13,467	\$ 13,868	\$ 14,006	\$ 14,733
7/1/2035	\$ 11,458	\$ 11,822	\$ 12,201	\$ 12,231	\$ 12,267	\$ 13,188	\$ 13,539
8/1/2035	\$ 12,920	\$ 12,360	\$ 13,508	\$ 13,574	\$ 13,617	\$ 13,801	\$ 14,085
9/1/2035	\$ 12,704	\$ 12,184	\$ 13,369	\$ 13,351	\$ 13,412	\$ 13,675	\$ 13,993
10/1/2035	\$ 17,180	\$ 15,698	\$ 18,650	\$ 19,332	\$ 18,326	\$ 18,387	\$ 20,039
11/1/2035	\$ 28,252	\$ 27,630	\$ 31,062	\$ 32,702	\$ 33,033	\$ 33,467	\$ 36,755
12/1/2035	\$ 34,005	\$ 35,513	\$ 37,911	\$ 41,166	\$ 40,140	\$ 42,447	\$ 42,786
1/1/2036	\$ 31,348	\$ 35,092	\$ 36,492	\$ 37,848	\$ 36,588	\$ 46,173	\$ 41,449
2/1/2036	\$ 28,776	\$ 29,302	\$ 31,288	\$ 31,472	\$ 32,000	\$ 38,391	\$ 38,889
3/1/2036	\$ 25,285	\$ 24,969	\$ 27,895	\$ 28,615	\$ 28,727	\$ 30,699	\$ 31,868
4/1/2036	\$ 17,100	\$ 18,698	\$ 18,782	\$ 19,250	\$ 19,537	\$ 23,282	\$ 21,610
5/1/2036	\$ 13,522	\$ 13,831	\$ 14,490	\$ 14,867	\$ 15,430	\$ 15,732	\$ 16,506
6/1/2036	\$ 12,607	\$ 12,563	\$ 13,414	\$ 13,326	\$ 13,853	\$ 14,306	\$ 14,706
7/1/2036	\$ 11,419	\$ 11,508	\$ 12,137	\$ 12,211	\$ 12,261	\$ 13,355	\$ 13,415
8/1/2036	\$ 12,861	\$ 12,831	\$ 13,572	\$ 13,612	\$ 13,696	\$ 13,985	\$ 14,140
9/1/2036	\$ 12,579	\$ 12,570	\$ 13,355	\$ 13,397	\$ 13,200	\$ 13,921	\$ 13,899
10/1/2036	\$ 16,587	\$ 17,528	\$ 18,043	\$ 17,849	\$ 18,284	\$ 21,078	\$ 20,152
11/1/2036	\$ 27,711	\$ 27,412	\$ 30,150	\$ 33,494	\$ 30,246	\$ 33,824	\$ 33,636
12/1/2036	\$ 35,708	\$ 36,370	\$ 40,593	\$ 40,902	\$ 40,716	\$ 41,798	\$ 42,670
1/1/2037	\$ 32,411	\$ 32,962	\$ 37,988	\$ 41,538	\$ 39,851	\$ 45,890	\$ 47,505
2/1/2037	\$ 27,461	\$ 28,754	\$ 30,308	\$ 31,496	\$ 31,283	\$ 38,478	\$ 36,991
3/1/2037	\$ 27,062	\$ 25,404	\$ 29,543	\$ 29,300	\$ 30,416	\$ 31,488	\$ 34,360
4/1/2037	\$ 18,409	\$ 17,684	\$ 20,413	\$ 19,320	\$ 20,291	\$ 22,274	\$ 22,627
5/1/2037	\$ 13,657	\$ 14,003	\$ 14,551	\$ 14,912	\$ 15,153	\$ 16,349	\$ 16,193
6/1/2037	\$ 12,749	\$ 12,915	\$ 13,674	\$ 13,612	\$ 13,775	\$ 14,704	\$ 14,771
7/1/2037	\$ 11,462	\$ 11,642	\$ 12,172	\$ 12,288	\$ 12,263	\$ 13,546	\$ 13,704
8/1/2037	\$ 12,937	\$ 13,127	\$ 13,668	\$ 13,773	\$ 13,767	\$ 14,209	\$ 14,235
9/1/2037	\$ 12,519	\$ 12,666	\$ 13,298	\$ 13,501	\$ 13,587	\$ 14,006	\$ 14,182
10/1/2037	\$ 17,652	\$ 18,045	\$ 19,425	\$ 20,007	\$ 19,748	\$ 22,217	\$ 21,922
11/1/2037	\$ 27,207	\$ 27,221	\$ 29,588	\$ 32,328	\$ 32,938	\$ 33,005	\$ 37,346
12/1/2037	\$ 37,202	\$ 36,269	\$ 41,118	\$ 42,513	\$ 45,397	\$ 42,140	\$ 51,984
1/1/2038	\$ 32,597	\$ 30,995	\$ 39,848	\$ 39,406	\$ 40,754	\$ 45,002	\$ 46,098
2/1/2038	\$ 26,897	\$ 26,291	\$ 30,092	\$ 31,334	\$ 37,659	\$ 36,213	\$ 44,628
3/1/2038	\$ 26,318	\$ 25,849	\$ 30,049	\$ 33,515	\$ 30,108	\$ 32,750	\$ 34,102
4/1/2038	\$ 17,815	\$ 17,685	\$ 19,749	\$ 19,298	\$ 19,883	\$ 21,981	\$ 22,281
5/1/2038	\$ 14,084	\$ 14,259	\$ 15,600	\$ 15,776	\$ 15,758	\$ 17,415	\$ 17,169
6/1/2038	\$ 13,844	\$ 13,835	\$ 14,631	\$ 14,969	\$ 15,214	\$ 16,980	\$ 16,667
7/1/2038	\$ 11,927	\$ 11,912	\$ 13,071	\$ 13,116	\$ 12,966	\$ 14,326	\$ 13,978
8/1/2038	\$ 14,135	\$ 14,122	\$ 14,912	\$ 15,246	\$ 15,472	\$ 17,187	\$ 16,838
9/1/2038	\$ 13,227	\$ 13,357	\$ 14,223	\$ 14,700	\$ 14,878	\$ 16,178	\$ 16,160
10/1/2038	\$ 16,894	\$ 19,272	\$ 18,707	\$ 19,651	\$ 18,582	\$ 23,470	\$ 20,613
11/1/2038	\$ 29,738	\$ 28,897	\$ 33,042	\$ 31,313	\$ 33,531	\$ 36,777	\$ 37,984
12/1/2038	\$ 33,963	\$ 37,276	\$ 39,582	\$ 41,068	\$ 39,764	\$ 48,824	\$ 49,064
20-year PVRR	\$ 4,575,500	\$ 4,601,494	\$ 4,847,685	\$ 4,913,967	\$ 4,976,261	\$ 5,193,643	\$ 5,302,000

Monthly PVRR (\$)										
Date	1st Percentile No Carbon	1st Percentile Insitee Tax	1st Percentile I-1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Insitee Tax	99th Percentile I-1631	99th Percentile SCC 3%	99th Percentile Market Choice
1/1/2019	\$ 17,969,764	\$ 17,969,764	\$ 17,969,764	\$ 17,969,764	\$ 17,969,764	\$ 17,998,004	\$ 17,969,760	\$ 17,969,754	\$ 17,969,760	\$ 17,969,758
2/1/2019	\$ 15,420,157	\$ 15,420,157	\$ 15,420,157	\$ 15,420,157	\$ 15,420,157	\$ 15,409,192	\$ 15,476,084	\$ 15,476,084	\$ 15,476,084	\$ 15,476,084
3/1/2019	\$ 13,910,306	\$ 13,910,306	\$ 13,910,306	\$ 13,910,306	\$ 13,910,306	\$ 13,579,591	\$ 13,590,817	\$ 13,590,828	\$ 13,590,817	\$ 13,590,828
4/1/2019	\$ 9,905,130	\$ 9,905,130	\$ 9,905,130	\$ 9,905,130	\$ 9,905,130	\$ 9,988,260	\$ 9,865,993	\$ 9,865,993	\$ 9,865,993	\$ 9,865,980
5/1/2019	\$ 7,861,505	\$ 7,861,505	\$ 7,861,505	\$ 7,861,505	\$ 7,861,505	\$ 7,918,899	\$ 7,840,720	\$ 7,840,756	\$ 7,840,720	\$ 7,840,803
6/1/2019	\$ 6,848,779	\$ 6,848,779	\$ 6,848,779	\$ 6,848,779	\$ 6,848,779	\$ 6,912,400	\$ 6,922,361	\$ 6,922,344	\$ 6,922,361	\$ 6,922,360
7/1/2019	\$ 6,984,542	\$ 6,984,542	\$ 6,984,542	\$ 6,984,542	\$ 6,984,542	\$ 6,961,759	\$ 7,066,004	\$ 7,066,004	\$ 7,066,004	\$ 7,066,004
8/1/2019	\$ 6,869,684	\$ 6,869,684	\$ 6,869,684	\$ 6,869,684	\$ 6,869,684	\$ 6,892,287	\$ 6,950,580	\$ 6,950,580	\$ 6,950,580	\$ 6,950,580
9/1/2019	\$ 6,933,719	\$ 6,933,719	\$ 6,933,719	\$ 6,933,719	\$ 6,933,719	\$ 7,070,760	\$ 7,068,474	\$ 7,068,474	\$ 7,068,474	\$ 7,068,475
10/1/2019	\$ 8,763,593	\$ 8,763,593	\$ 8,763,593	\$ 8,763,593	\$ 8,763,593	\$ 9,297,042	\$ 9,245,423	\$ 9,245,423	\$ 9,245,423	\$ 9,245,438
11/1/2019	\$ 12,346,656	\$ 12,351,949	\$ 12,351,978	\$ 12,352,188	\$ 12,351,978	\$ 13,015,216	\$ 13,018,125	\$ 13,018,130	\$ 13,018,015	\$ 13,018,125
12/1/2019	\$ 15,325,243	\$ 15,349,617	\$ 15,349,612	\$ 15,349,794	\$ 15,349,612	\$ 16,582,584	\$ 16,586,631	\$ 16,586,596	\$ 16,606,223	\$ 16,606,164
1/1/2020	\$ 14,083,252	\$ 16,977,168	\$ 17,716,039	\$ 24,364,508	\$ 19,932,379	\$ 15,032,854	\$ 19,344,604	\$ 20,083,518	\$ 25,378,172	\$ 22,299,689
2/1/2020	\$ 12,819,468	\$ 15,064,682	\$ 15,684,087	\$ 21,257,881	\$ 17,542,221	\$ 12,951,966	\$ 16,302,190	\$ 16,921,623	\$ 21,417,309	\$ 18,779,701
3/1/2020	\$ 12,236,208	\$ 13,896,524	\$ 14,417,920	\$ 19,108,230	\$ 15,981,579	\$ 11,686,523	\$ 14,232,331	\$ 14,753,551	\$ 18,599,318	\$ 16,317,210
4/1/2020	\$ 9,475,333	\$ 10,809,847	\$ 11,142,095	\$ 14,385,568	\$ 12,223,253	\$ 8,734,048	\$ 10,564,804	\$ 10,933,038	\$ 13,693,502	\$ 12,021,602
5/1/2020	\$ 7,744,093	\$ 8,791,912	\$ 9,034,897	\$ 11,474,621	\$ 9,848,185	\$ 7,080,227	\$ 8,553,074	\$ 8,819,662	\$ 10,832,166	\$ 9,619,311
6/1/2020	\$ 6,881,846	\$ 7,676,522	\$ 7,837,615	\$ 9,557,999	\$ 8,411,076	\$ 6,403,544	\$ 7,467,094	\$ 7,658,248	\$ 9,101,342	\$ 8,231,709
7/1/2020	\$ 6,894,009	\$ 7,623,834	\$ 7,762,727	\$ 9,326,419	\$ 8,283,957	\$ 6,422,940	\$ 7,393,958	\$ 7,567,711	\$ 8,880,445	\$ 8,088,933
8/1/2020	\$ 6,826,508	\$ 7,550,606	\$ 7,695,226	\$ 9,258,919	\$ 8,216,457	\$ 6,459,181	\$ 7,426,903	\$ 7,598,225	\$ 8,878,657	\$ 8,112,190
9/1/2020	\$ 7,012,413	\$ 7,848,474	\$ 8,022,741	\$ 9,841,332	\$ 8,628,938	\$ 6,630,226	\$ 7,764,110	\$ 7,966,172	\$ 9,479,162	\$ 8,572,369
10/1/2020	\$ 9,129,214	\$ 10,623,821	\$ 10,963,918	\$ 14,266,362	\$ 12,064,753	\$ 8,595,073	\$ 10,650,102	\$ 11,017,059	\$ 13,751,211	\$ 12,117,853
11/1/2020	\$ 13,118,807	\$ 15,514,457	\$ 16,113,547	\$ 21,504,080	\$ 17,910,391	\$ 12,242,382	\$ 15,401,856	\$ 16,000,314	\$ 20,421,883	\$ 17,797,158
12/1/2020	\$ 17,039,623	\$ 20,436,281	\$ 21,285,516	\$ 28,928,129	\$ 23,833,057	\$ 15,842,078	\$ 20,705,436	\$ 21,554,264	\$ 27,732,266	\$ 24,101,955
1/1/2021	\$ 15,553,008	\$ 19,373,977	\$ 20,348,098	\$ 27,182,232	\$ 22,331,168	\$ 14,074,033	\$ 19,366,689	\$ 20,340,311	\$ 25,702,711	\$ 22,323,617
2/1/2021	\$ 13,606,840	\$ 16,656,373	\$ 17,433,781	\$ 22,888,031	\$ 19,116,447	\$ 12,359,358	\$ 16,499,559	\$ 17,277,584	\$ 21,570,305	\$ 18,860,275
3/1/2021	\$ 12,865,538	\$ 15,455,079	\$ 16,115,719	\$ 20,747,949	\$ 17,459,857	\$ 12,056,080	\$ 15,337,893	\$ 15,999,089	\$ 19,659,887	\$ 17,343,227
4/1/2021	\$ 9,529,162	\$ 11,288,688	\$ 11,737,277	\$ 14,884,330	\$ 12,650,460	\$ 9,020,320	\$ 11,390,478	\$ 11,820,921	\$ 14,363,214	\$ 12,734,132
5/1/2021	\$ 8,107,069	\$ 9,338,177	\$ 9,652,015	\$ 11,853,813	\$ 10,290,937	\$ 7,589,925	\$ 9,250,192	\$ 9,563,840	\$ 11,336,190	\$ 10,202,625
6/1/2021	\$ 7,137,853	\$ 8,017,859	\$ 8,242,197	\$ 9,816,134	\$ 8,698,908	\$ 6,843,145	\$ 8,035,361	\$ 8,259,208	\$ 9,521,119	\$ 8,715,919
7/1/2021	\$ 7,095,787	\$ 7,891,250	\$ 8,094,036	\$ 9,516,764	\$ 8,506,870	\$ 6,662,113	\$ 7,721,992	\$ 7,924,271	\$ 9,083,615	\$ 8,337,105
8/1/2021	\$ 6,909,592	\$ 7,705,056	\$ 7,907,842	\$ 9,330,569	\$ 8,320,676	\$ 6,700,668	\$ 7,768,637	\$ 7,991,883	\$ 9,136,243	\$ 8,404,717
9/1/2021	\$ 7,027,736	\$ 7,957,959	\$ 8,195,099	\$ 9,858,849	\$ 8,677,870	\$ 6,952,978	\$ 8,215,512	\$ 8,452,160	\$ 9,783,872	\$ 8,934,933
10/1/2021	\$ 8,954,105	\$ 10,649,839	\$ 11,082,143	\$ 14,115,073	\$ 11,962,234	\$ 9,119,853	\$ 11,433,264	\$ 11,865,448	\$ 14,280,384	\$ 12,745,508
11/1/2021	\$ 12,918,490	\$ 15,490,854	\$ 16,200,946	\$ 21,182,156	\$ 17,646,348	\$ 13,002,826	\$ 16,868,236	\$ 17,578,199	\$ 21,504,264	\$ 19,023,664
12/1/2021	\$ 16,817,555	\$ 20,765,736	\$ 21,772,566	\$ 28,834,576	\$ 23,821,758	\$ 17,731,500	\$ 23,335,666	\$ 24,342,018	\$ 29,734,129	\$ 26,391,186
1/1/2022	\$ 14,595,938	\$ 18,953,756	\$ 20,094,889	\$ 26,607,773	\$ 21,571,082	\$ 16,030,727	\$ 22,061,436	\$ 23,202,621	\$ 28,120,561	\$ 24,678,799
2/1/2022	\$ 13,110,843	\$ 16,528,643	\$ 17,438,811	\$ 22,633,322	\$ 18,616,176	\$ 13,438,205	\$ 18,177,943	\$ 19,088,053	\$ 23,069,568	\$ 20,265,408
3/1/2022	\$ 12,653,176	\$ 15,310,311	\$ 16,082,726	\$ 20,488,426	\$ 17,081,305	\$ 12,865,183	\$ 16,893,705	\$ 17,665,666	\$ 21,032,748	\$ 18,664,238
4/1/2022	\$ 9,368,608	\$ 11,369,065	\$ 11,892,937	\$ 14,882,769	\$ 12,570,591	\$ 9,915,497	\$ 12,613,101	\$ 13,137,021	\$ 15,490,223	\$ 13,814,504
5/1/2022	\$ 7,728,896	\$ 9,122,281	\$ 9,487,154	\$ 11,569,614	\$ 9,959,151	\$ 8,554,953	\$ 10,473,661	\$ 10,838,438	\$ 12,399,893	\$ 11,310,547
6/1/2022	\$ 6,969,241	\$ 7,957,590	\$ 8,216,437	\$ 9,693,601	\$ 8,551,245	\$ 7,627,464	\$ 9,005,753	\$ 9,264,576	\$ 10,292,721	\$ 9,599,385
7/1/2022	\$ 7,056,063	\$ 7,943,005	\$ 8,175,267	\$ 9,500,838	\$ 8,475,716	\$ 7,486,676	\$ 8,719,567	\$ 8,951,829	\$ 9,821,696	\$ 9,252,278
8/1/2022	\$ 6,818,492	\$ 7,706,882	\$ 7,939,537	\$ 9,267,289	\$ 8,240,480	\$ 7,277,934	\$ 8,501,656	\$ 8,734,300	\$ 9,652,474	\$ 9,035,243
9/1/2022	\$ 7,097,206	\$ 8,142,388	\$ 8,416,083	\$ 9,978,146	\$ 8,770,134	\$ 7,620,695	\$ 9,060,885	\$ 9,334,585	\$ 10,436,472	\$ 9,688,636
10/1/2022	\$ 9,260,880	\$ 11,182,807	\$ 11,685,742	\$ 14,558,145	\$ 12,336,755	\$ 10,225,501	\$ 12,870,908	\$ 13,374,234	\$ 15,518,556	\$ 14,025,276
11/1/2022	\$ 12,916,015	\$ 15,891,979	\$ 16,722,098	\$ 21,644,346	\$ 17,976,822	\$ 14,276,580	\$ 18,654,080	\$ 19,484,865	\$ 22,924,895	\$ 20,560,172
12/1/2022	\$ 16,718,893	\$ 21,218,176	\$ 22,396,418	\$ 29,121,316	\$ 23,920,518	\$ 19,208,100	\$ 25,507,842	\$ 26,687,590	\$ 29,942,420	\$ 28,210,783
1/1/2023	\$ 14,338,852	\$ 19,246,770	\$ 20,573,508	\$ 26,750,619	\$ 21,523,127	\$ 17,979,227	\$ 24,725,746	\$ 26,052,209	\$ 30,525,918	\$ 27,002,150
2/1/2023	\$ 12,084,861	\$ 15,955,945	\$ 17,012,342	\$ 21,930,270	\$ 17,768,557	\$ 15,528,864	\$ 20,906,742	\$ 21,963,072	\$ 25,320,168	\$ 22,718,408
3/1/2023	\$ 11,417,282	\$ 14,489,357	\$ 15,383,562	\$ 19,546,977	\$ 16,023,742	\$ 14,622,420	\$ 19,173,242	\$ 20,067,412	\$ 22,827,102	\$ 20,707,299
4/1/2023	\$ 8,547,401	\$ 10,783,193	\$ 11,387,388	\$ 14,201,016	\$ 11,819,959	\$ 11,187,468	\$ 14,247,619	\$ 14,851,852	\$ 16,306,381	\$ 15,284,416
5/1/2023	\$ 7,315,957	\$ 8,870,388	\$ 9,290,482	\$ 11,246,715	\$ 9,591,231	\$ 9,291,171	\$ 11,440,245	\$ 11,860,179	\$ 12,931,675	\$ 12,161,002
6/1/2023	\$ 6,697,250	\$ 7,790,215	\$ 8,085,596	\$ 9,461,069	\$ 8,297,062	\$ 8,180,474	\$ 9,712,091	\$ 10,007,473	\$ 10,340,446	\$ 10,218,938
7/1/2023	\$ 6,669,581	\$ 7,647,527	\$ 7,911,824	\$ 9,142,549	\$ 8,101,036	\$ 8,181,546	\$ 9,568,819	\$ 9,833,116	\$ 10,724,417	\$ 10,022,328
8/1/2023	\$ 6,517,588	\$ 7,496,683	\$ 7,761,290	\$ 8,993,460	\$ 7,950,724	\$ 7,984,333	\$ 9,366,802	\$ 9,631,409	\$ 10,696,226	\$ 9,820,843
9/1/2023	\$ 6,474,157	\$ 7,626,652	\$ 7,938,122	\$ 9,388,513	\$ 8,161,105	\$ 8,418,595	\$ 10,046,278	\$ 10,357,748	\$ 10,632,020	\$ 10,580,730
10/1/2023	\$ 7,854,895	\$ 10,004,616	\$ 10,585,593	\$ 13,290,971	\$ 11,001,518	\$ 12,279,908	\$ 15,357,040	\$ 15,938,019	\$ 16,884,381	\$ 16,353,940
11/1/2023	\$ 10,505,294	\$ 13,940,547	\$ 14,903,192	\$ 19,385,654	\$ 15,592,326	\$ 18,557,721	\$ 23,563,498	\$ 23,777,309	\$ 25,021,320	\$ 24,115,879
12/1/2023	\$ 12,844,022	\$ 17,898,633	\$ 19,264,799	\$ 25,626,039	\$ 20,242,777	\$ 24,722,828	\$ 31,105,223	\$ 29,646,818	\$ 30,695,232	\$ 29,664,432
1/1/2024	\$ 11,319,076	\$ 16,790,896	\$ 18,321,564	\$ 24,143,617	\$ 18,722,639	\$ 23,275,557	\$ 30,819,170	\$ 30,856,424	\$ 30,911,324	\$ 31,151,373
2/1/2024	\$ 10,348,050	\$ 14,811,905	\$ 16,065,620	\$ 20,833,949	\$ 16,394,105	\$ 19,745,959	\$ 26,102,305	\$ 26,996,738	\$ 28,090,258	\$ 27,264,375
3/1/2024	\$ 10,224,043	\$ 13,705,098	\$ 14,731,025	\$ 18,633,188	\$ 14,999,842	\$ 17,534,191	\$ 22,680,162	\$ 23,408,447	\$ 24,341,672	\$ 23,568,494
4/1/2024	\$ 7,824,520	\$ 10,300,011	\$ 10,992,540	\$ 13,626,512	\$ 11,173,992	\$ 12,581,512	\$ 15,844,088	\$ 16,341,313	\$ 16,956,436	\$ 16,421,268
5/1/2024	\$ 6,737,628	\$ 8,451,517	\$ 8,930,787	\$ 10,754,233	\$ 9,056,403	\$ 10,506,534	\$ 12,839,101	\$ 12,956,135	\$ 12,964,701	\$ 12,963,267
6/1/2024	\$ 6,082,284	\$ 7,274,099	\$ 7,607,499	\$ 8,875,599	\$ 7,694,857	\$ 8,769,408	\$ 10,195,823	\$ 11,300,624	\$ 12,382,260	\$ 11,495,863
7/1/2024	\$ 6,159,908	\$ 7,239,328	\$ 7,541,287	\$ 8,689,799	\$ 7,620,407	\$ 8,653,171	\$ 10,571,405	\$ 11,594,086	\$ 12,420,363	\$ 11,795,833
8/1/2024	\$ 5,922,201	\$ 7,003,288	\$ 7,305,760	\$ 8,456,084	\$ 7,385,004	\$ 8,566,053	\$ 10,574,830	\$ 11,702,209	\$ 12,417,296	\$ 11,794,717
9/1/2024	\$ 5,963,110	\$ 7,229,641	\$ 7,583,942	\$ 8,931,542	\$ 7,676,777	\$ 9,325,130	\$ 10,685,864	\$ 11,356,328	\$ 12,335,135	\$ 11,538,635
10/1/2024	\$									



Monthly PVRR (\$)										
Date	1st Percentile No Carbon	1st Percentile Insitee Tax	1st Percentile I-1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Insitee Tax	99th Percentile I-1631	99th Percentile SCC 3%	99th Percentile Market Choice
10/1/2025	\$ 6,753,914	\$ 9,406,203	\$ 10,162,902	\$ 12,511,367	\$ 10,088,943	\$ 14,513,251	\$ 16,907,795	\$ 17,180,801	\$ 17,580,102	\$ 17,154,141
11/1/2025	\$ 8,869,406	\$ 13,307,452	\$ 14,398,559	\$ 18,314,094	\$ 14,274,989	\$ 22,205,387	\$ 26,229,170	\$ 26,399,773	\$ 26,800,973	\$ 26,331,549
12/1/2025	\$ 11,021,177	\$ 17,254,627	\$ 19,059,146	\$ 24,658,090	\$ 18,882,674	\$ 30,493,959	\$ 33,490,305	\$ 33,915,953	\$ 31,727,199	\$ 33,961,191
1/1/2026	\$ 9,747,771	\$ 16,338,139	\$ 18,322,455	\$ 23,331,541	\$ 17,559,785	\$ 29,844,252	\$ 30,035,303	\$ 30,547,645	\$ 32,813,758	\$ 30,763,980
2/1/2026	\$ 8,711,489	\$ 13,944,744	\$ 15,519,683	\$ 19,497,305	\$ 14,915,010	\$ 23,689,859	\$ 28,475,051	\$ 28,148,590	\$ 28,884,641	\$ 28,129,281
3/1/2026	\$ 8,815,107	\$ 13,084,307	\$ 14,409,499	\$ 17,754,783	\$ 13,900,904	\$ 20,624,693	\$ 24,958,500	\$ 25,408,908	\$ 25,925,582	\$ 25,220,061
4/1/2026	\$ 6,762,948	\$ 9,680,920	\$ 10,567,139	\$ 12,805,356	\$ 10,226,455	\$ 14,987,617	\$ 17,408,543	\$ 17,694,014	\$ 18,067,402	\$ 17,609,811
5/1/2026	\$ 6,043,166	\$ 8,013,995	\$ 8,617,271	\$ 10,140,231	\$ 8,385,458	\$ 11,616,608	\$ 13,297,896	\$ 13,488,201	\$ 13,569,874	\$ 13,342,830
6/1/2026	\$ 5,726,785	\$ 7,039,761	\$ 7,458,741	\$ 8,516,440	\$ 7,297,747	\$ 9,859,165	\$ 12,658,509	\$ 12,864,129	\$ 12,921,384	\$ 12,691,262
7/1/2026	\$ 5,861,885	\$ 6,884,510	\$ 7,258,429	\$ 8,202,373	\$ 7,114,750	\$ 9,761,594	\$ 12,601,051	\$ 12,721,521	\$ 12,776,699	\$ 12,634,896
8/1/2026	\$ 5,757,507	\$ 6,801,118	\$ 7,175,095	\$ 8,119,039	\$ 7,031,416	\$ 9,698,313	\$ 12,694,298	\$ 12,814,769	\$ 12,867,709	\$ 12,728,143
9/1/2026	\$ 5,702,731	\$ 7,041,460	\$ 7,485,812	\$ 8,607,563	\$ 7,315,067	\$ 10,801,610	\$ 12,452,448	\$ 12,569,036	\$ 12,618,140	\$ 12,485,204
10/1/2026	\$ 6,456,902	\$ 9,323,068	\$ 10,173,114	\$ 12,319,586	\$ 9,846,396	\$ 16,721,822	\$ 17,889,008	\$ 18,105,422	\$ 18,368,994	\$ 18,074,227
11/1/2026	\$ 8,242,938	\$ 13,087,392	\$ 14,363,697	\$ 17,974,334	\$ 13,814,115	\$ 24,236,896	\$ 26,958,816	\$ 27,548,004	\$ 28,066,936	\$ 27,449,777
12/1/2026	\$ 9,918,471	\$ 16,708,313	\$ 18,754,490	\$ 23,916,832	\$ 17,968,719	\$ 30,646,186	\$ 35,689,285	\$ 35,284,012	\$ 32,956,773	\$ 35,543,332
1/1/2027	\$ 8,207,392	\$ 15,357,212	\$ 17,593,729	\$ 22,157,805	\$ 16,220,041	\$ 31,890,607	\$ 29,054,725	\$ 28,902,963	\$ 30,588,721	\$ 28,619,180
2/1/2027	\$ 7,482,075	\$ 13,160,210	\$ 14,936,062	\$ 18,560,113	\$ 13,845,290	\$ 26,221,891	\$ 29,588,189	\$ 29,432,279	\$ 29,212,777	\$ 29,365,699
3/1/2027	\$ 7,774,577	\$ 12,717,451	\$ 13,953,345	\$ 16,998,752	\$ 13,036,750	\$ 23,658,125	\$ 26,064,594	\$ 27,144,605	\$ 28,018,596	\$ 26,970,605
4/1/2027	\$ 6,709,993	\$ 9,884,335	\$ 10,883,832	\$ 12,923,645	\$ 10,269,896	\$ 17,182,332	\$ 18,643,361	\$ 18,897,693	\$ 19,063,408	\$ 18,774,254
5/1/2027	\$ 5,928,609	\$ 8,046,586	\$ 8,717,823	\$ 10,087,707	\$ 8,305,519	\$ 13,245,519	\$ 13,965,184	\$ 13,982,085	\$ 14,007,184	\$ 13,994,382
6/1/2027	\$ 5,554,590	\$ 6,896,461	\$ 7,358,908	\$ 8,302,693	\$ 7,074,852	\$ 11,258,599	\$ 13,256,972	\$ 13,471,642	\$ 13,519,297	\$ 13,280,066
7/1/2027	\$ 5,820,576	\$ 6,909,561	\$ 7,318,640	\$ 8,153,509	\$ 7,067,364	\$ 11,650,667	\$ 12,802,673	\$ 12,930,056	\$ 12,967,496	\$ 12,826,436
8/1/2027	\$ 5,657,875	\$ 6,780,688	\$ 7,189,629	\$ 8,024,499	\$ 6,938,354	\$ 11,647,158	\$ 13,061,913	\$ 13,189,295	\$ 13,225,274	\$ 13,085,676
9/1/2027	\$ 5,707,437	\$ 7,135,334	\$ 7,626,438	\$ 8,628,675	\$ 7,324,788	\$ 11,301,912	\$ 12,786,631	\$ 12,909,979	\$ 12,944,843	\$ 12,809,629
10/1/2027	\$ 6,356,958	\$ 9,434,093	\$ 10,382,690	\$ 12,319,827	\$ 9,799,658	\$ 17,730,465	\$ 18,726,045	\$ 18,905,305	\$ 18,987,654	\$ 18,843,912
11/1/2027	\$ 8,098,579	\$ 13,346,167	\$ 14,816,300	\$ 18,106,684	\$ 13,825,993	\$ 27,057,227	\$ 28,793,289	\$ 29,018,115	\$ 29,034,131	\$ 28,817,203
12/1/2027	\$ 9,546,608	\$ 16,919,422	\$ 19,226,184	\$ 23,933,129	\$ 17,809,527	\$ 30,445,955	\$ 32,270,084	\$ 32,774,082	\$ 32,792,371	\$ 32,307,131
1/1/2028	\$ 8,182,024	\$ 15,903,761	\$ 18,413,219	\$ 22,513,947	\$ 16,406,732	\$ 35,644,504	\$ 33,438,066	\$ 32,280,582	\$ 32,279,566	\$ 33,469,445
2/1/2028	\$ 7,675,180	\$ 13,985,015	\$ 16,035,482	\$ 19,386,402	\$ 14,395,847	\$ 30,443,734	\$ 29,487,885	\$ 29,820,783	\$ 29,821,322	\$ 29,500,766
3/1/2028	\$ 7,840,963	\$ 12,898,592	\$ 14,567,436	\$ 17,294,994	\$ 13,232,806	\$ 25,468,875	\$ 28,905,354	\$ 29,169,195	\$ 29,162,879	\$ 28,919,121
4/1/2028	\$ 6,554,560	\$ 9,962,817	\$ 11,076,244	\$ 12,895,627	\$ 10,186,050	\$ 18,175,840	\$ 19,753,166	\$ 19,709,916	\$ 19,712,943	\$ 19,824,936
5/1/2028	\$ 5,753,561	\$ 8,033,812	\$ 8,780,634	\$ 10,000,974	\$ 8,183,521	\$ 13,741,415	\$ 14,151,811	\$ 14,357,244	\$ 14,351,684	\$ 14,167,433
6/1/2028	\$ 5,622,800	\$ 7,035,921	\$ 7,544,032	\$ 8,374,227	\$ 7,137,817	\$ 13,153,130	\$ 13,779,528	\$ 14,046,650	\$ 14,040,869	\$ 13,792,852
7/1/2028	\$ 5,913,022	\$ 7,037,221	\$ 7,482,178	\$ 8,209,235	\$ 7,126,429	\$ 12,546,516	\$ 13,002,965	\$ 13,271,040	\$ 13,267,120	\$ 13,016,731
8/1/2028	\$ 5,783,381	\$ 6,940,877	\$ 7,386,944	\$ 8,115,830	\$ 7,030,300	\$ 12,976,268	\$ 13,432,638	\$ 13,700,713	\$ 13,696,882	\$ 13,446,405
9/1/2028	\$ 5,807,865	\$ 7,302,861	\$ 7,840,995	\$ 8,720,320	\$ 7,410,740	\$ 12,671,313	\$ 13,109,508	\$ 13,368,936	\$ 13,368,680	\$ 13,122,831
10/1/2028	\$ 6,768,454	\$ 10,066,634	\$ 11,125,644	\$ 12,856,569	\$ 10,278,707	\$ 17,935,891	\$ 19,346,941	\$ 19,210,039	\$ 19,194,654	\$ 19,412,000
11/1/2028	\$ 8,644,355	\$ 14,146,918	\$ 15,952,478	\$ 18,903,123	\$ 14,508,841	\$ 28,828,908	\$ 29,517,621	\$ 29,506,361	\$ 29,570,688	\$ 29,530,939
12/1/2028	\$ 10,900,462	\$ 18,851,219	\$ 21,435,438	\$ 25,657,943	\$ 19,369,480	\$ 31,964,818	\$ 33,522,199	\$ 33,549,234	\$ 33,592,156	\$ 33,542,871
1/1/2029	\$ 9,685,117	\$ 18,003,014	\$ 20,811,434	\$ 24,138,109	\$ 18,145,215	\$ 33,212,738	\$ 32,728,613	\$ 32,724,551	\$ 32,756,570	\$ 32,732,463
2/1/2029	\$ 8,907,327	\$ 15,487,857	\$ 17,709,770	\$ 20,341,633	\$ 15,600,340	\$ 30,070,320	\$ 29,365,994	\$ 29,362,297	\$ 29,398,697	\$ 29,369,504
3/1/2029	\$ 9,077,931	\$ 14,472,518	\$ 16,329,721	\$ 18,529,354	\$ 14,566,740	\$ 28,440,199	\$ 29,374,039	\$ 29,369,902	\$ 29,412,559	\$ 29,377,898
4/1/2029	\$ 7,282,333	\$ 10,945,865	\$ 12,183,417	\$ 13,649,448	\$ 11,008,530	\$ 18,235,447	\$ 19,855,514	\$ 19,556,016	\$ 20,087,074	\$ 19,875,514
5/1/2029	\$ 6,534,320	\$ 8,971,631	\$ 9,794,566	\$ 10,769,364	\$ 9,013,312	\$ 13,773,398	\$ 14,200,115	\$ 14,537,381	\$ 14,274,865	\$ 14,204,544
6/1/2029	\$ 5,999,614	\$ 7,637,221	\$ 8,190,153	\$ 8,845,115	\$ 7,665,232	\$ 13,244,969	\$ 13,798,406	\$ 14,181,391	\$ 13,866,090	\$ 13,802,145
7/1/2029	\$ 6,049,773	\$ 7,489,559	\$ 7,975,705	\$ 8,551,551	\$ 7,514,192	\$ 12,476,656	\$ 12,970,649	\$ 13,344,270	\$ 13,040,925	\$ 12,974,510
8/1/2029	\$ 5,908,002	\$ 7,347,845	\$ 7,833,979	\$ 8,409,823	\$ 7,372,465	\$ 13,055,716	\$ 13,547,389	\$ 13,984,585	\$ 13,619,997	\$ 13,551,249
9/1/2029	\$ 5,932,341	\$ 7,668,419	\$ 8,254,597	\$ 8,948,940	\$ 7,698,112	\$ 12,771,417	\$ 13,246,106	\$ 13,669,199	\$ 13,317,504	\$ 13,249,843
10/1/2029	\$ 7,340,592	\$ 10,820,807	\$ 11,995,920	\$ 13,387,843	\$ 10,880,302	\$ 18,004,061	\$ 19,429,039	\$ 18,978,971	\$ 19,605,051	\$ 19,446,949
11/1/2029	\$ 9,077,667	\$ 14,983,739	\$ 16,995,895	\$ 19,379,252	\$ 15,085,691	\$ 28,284,777	\$ 29,759,514	\$ 29,821,707.03	\$ 29,801,947.27	\$ 29,763,330.08
12/1/2029	\$ 10,988,919	\$ 19,535,477	\$ 22,421,619	\$ 25,839,930	\$ 19,681,949	\$ 31,290,877	\$ 33,724,285	\$ 33,830,171.88	\$ 33,786,324.22	\$ 33,729,800.78
1/1/2030	\$ 9,549,490	\$ 18,460,141	\$ 21,585,172	\$ 24,400,596	\$ 18,239,150	\$ 35,482,027	\$ 33,144,547	\$ 33,216,636.72	\$ 33,180,812.51	\$ 33,185,033.91
2/1/2030	\$ 8,452,174	\$ 15,495,186	\$ 17,965,141	\$ 20,190,457	\$ 15,320,493	\$ 30,364,795	\$ 29,741,924	\$ 29,807,105.47	\$ 29,803,765.95	\$ 29,736,521.48
3/1/2030	\$ 8,285,768	\$ 14,077,036	\$ 16,133,853	\$ 17,987,137	\$ 13,931,341	\$ 27,525,828	\$ 29,687,582	\$ 29,759,570.31	\$ 29,729,552.73	\$ 29,681,652.34
4/1/2030	\$ 6,807,992	\$ 10,704,580	\$ 12,071,472	\$ 13,301,929	\$ 10,608,435	\$ 18,170,957	\$ 19,837,031	\$ 20,169,185.55	\$ 20,100,744.14	\$ 19,806,445.31
5/1/2030	\$ 6,045,307	\$ 8,612,314	\$ 9,515,515	\$ 10,329,241	\$ 8,548,429	\$ 13,738,525	\$ 14,269,355	\$ 14,397,622.07	\$ 14,324,404.23	\$ 14,262,698.24
6/1/2030	\$ 5,696,424	\$ 7,425,344	\$ 8,024,411	\$ 8,564,099	\$ 7,383,012	\$ 13,179,965	\$ 13,729,438	\$ 13,859,232.42	\$ 13,774,740.23	\$ 13,723,673.83
7/1/2030	\$ 5,940,039	\$ 7,325,221	\$ 7,854,186	\$ 8,330,738	\$ 7,287,821	\$ 12,333,169	\$ 12,884,938	\$ 13,019,057.62	\$ 12,927,099.61	\$ 12,879,980.47
8/1/2030	\$ 5,835,307	\$ 7,232,731	\$ 7,761,682	\$ 8,238,234	\$ 7,195,317	\$ 13,133,193	\$ 13,688,261	\$ 13,822,381.84	\$ 13,727,155.27	\$ 13,682,304.69
9/1/2030	\$ 5,764,786	\$ 7,616,712	\$ 8,257,863	\$ 8,835,497	\$ 7,571,365	\$ 12,812,888	\$ 13,344,607	\$ 13,474,402.34	\$ 13,387,695.31	\$ 13,338,838.87
10/1/2030	\$ 7,131,445	\$ 10,851,836	\$ 12,148,513	\$ 13,316,665	\$ 10,760,184	\$ 17,986,197	\$ 19,419,629	\$ 19,686,423.83	\$ 19,628,632.67	\$ 19,932,492.19
11/1/2030	\$ 8,928,179	\$ 15,246,226	\$ 17,477,703	\$ 19,488,246	\$ 15,088,276	\$ 28,132,566	\$ 29,957,545	\$ 30,147,210.94	\$ 30,110,691.41	\$ 29,951,632.81
12/1/2030	\$ 11,327,809	\$ 20,500,920	\$ 23,716,887	\$ 26,614,900	\$ 20,272,703	\$ 35,848,926	\$ 33,891,883	\$ 34,174,668.75	\$ 34,113,898.44	\$ 33,882,582.03
1/1/2031	\$ 9,464,674	\$ 18,433,102	\$ 22,433,164	\$ 24,711,080	\$ 18,385,648	\$ 33,018,832	\$ 33,396,703	\$ 33,708,699.22	\$ 33,651,601.56	\$ 33,395,359.38
2/1/2031	\$ 8,621,761	\$ 15,706,167	\$ 18,865,895	\$ 20,665,322	\$ 15,668,556	\$ 31,175,883	\$ 30,731,225	\$ 30,259,201.17	\$ 30,211,777.34	\$ 30,278,921.88
3/1/2031	\$ 8,316,915	\$ 14,143,014	\$ 16,771,350	\$ 18,268,156	\$ 14,111,756	\$ 26,652,582	\$ 29,890,174	\$ 30,097,404.3	\$ 30,047,773.44	\$ 29,888,509.77
4/1/2031	\$ 6,871,292	\$ 10,782,423	\$ 12,479,783	\$ 13,467,012	\$ 10,761,334	\$ 18,048,957	\$ 19,641,168	\$ 20,187,232.42	\$ 19,969,685.55	\$ 19,634,671.88
5/1/2031	\$ 6,162,030	\$ 8,683,079	\$ 9,820,796	\$ 10,469,338	\$ 8,669,561	\$ 1				



Monthly PVRR (\$)										
Date	1st Percentile No Carbon	1st Percentile Instate Tax	1st Percentile I-1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Instate Tax	99th Percentile I-1631	99th Percentile SCC 3%	99th Percentile Market Choice
7/1/2032	\$ 5,890,008	\$ 7,126,235	\$ 7,913,089	\$ 8,188,256	\$ 7,147,369	\$ 12,444,128	\$ 13,377,087	13459619.14	13418693.36	13380590.82
8/1/2032	\$ 5,785,834	\$ 7,040,480	\$ 7,827,334	\$ 8,102,501	\$ 7,061,614	\$ 13,511,653	\$ 14,729,735	15325704.1	14772022.46	14733240.23
9/1/2032	\$ 5,632,630	\$ 7,446,978	\$ 8,421,144	\$ 8,761,809	\$ 7,473,159	\$ 13,214,641	\$ 14,254,509	14582815.43	14296110.35	14257900.39
10/1/2032	\$ 6,889,454	\$ 10,585,153	\$ 12,585,193	\$ 13,284,643	\$ 10,638,813	\$ 18,874,229	\$ 18,901,293	18778537.11	19017878.91	18910472.66
11/1/2032	\$ 9,364,465	\$ 15,741,300	\$ 19,240,977	\$ 20,464,607	\$ 15,835,301	\$ 30,267,908	\$ 31,182,441	31184189.45	31189615.23	31185849.61
12/1/2032	\$ 12,032,604	\$ 21,329,756	\$ 26,381,850	\$ 28,147,705	\$ 21,467,268	\$ 33,982,684	\$ 35,593,602	35668625	35617062.5	35599042.97
1/1/2033	\$ 10,081,044	\$ 19,185,582	\$ 25,025,346	\$ 26,151,465	\$ 19,502,648	\$ 35,383,895	\$ 34,845,832	348711425.78	34863660.16	34854187.5
2/1/2033	\$ 8,725,401	\$ 15,922,872	\$ 20,537,211	\$ 21,427,295	\$ 16,173,419	\$ 31,840,549	\$ 31,214,811	31237919.92	31234628.91	31222455.08
3/1/2033	\$ 8,428,407	\$ 14,355,934	\$ 18,190,033	\$ 18,929,697	\$ 14,564,344	\$ 30,133,199	\$ 30,994,914	31020601.56	31019683.59	31003330.28
4/1/2033	\$ 6,754,982	\$ 10,703,678	\$ 13,230,457	\$ 13,717,668	\$ 10,841,307	\$ 18,777,977	\$ 20,446,605	19995593.75	20543470.7	20489363.28
5/1/2033	\$ 6,144,897	\$ 8,654,698	\$ 10,283,670	\$ 10,597,832	\$ 8,743,109	\$ 14,045,387	\$ 14,593,620	15367719.73	14756352.54	14602643.55
6/1/2033	\$ 5,618,111	\$ 7,292,112	\$ 8,361,031	\$ 8,567,134	\$ 7,350,364	\$ 13,279,438	\$ 13,815,889	14396583.01	14007973.63	13823996.09
7/1/2033	\$ 5,953,191	\$ 7,134,715	\$ 8,048,003	\$ 8,224,136	\$ 7,184,299	\$ 12,124,807	\$ 12,679,595	13271017.58	12877872.07	12687972.66
8/1/2033	\$ 5,870,233	\$ 7,072,948	\$ 7,989,562	\$ 8,166,332	\$ 7,122,731	\$ 13,320,812	\$ 13,876,765	14732134.77	14073865.23	13885142.58
9/1/2033	\$ 5,650,220	\$ 7,435,695	\$ 8,577,255	\$ 8,797,414	\$ 7,497,663	\$ 12,998,645	\$ 13,536,248	14236308.59	13727403.32	13544355.47
10/1/2033	\$ 7,034,990	\$ 10,735,095	\$ 13,103,065	\$ 13,559,697	\$ 10,863,867	\$ 18,396,980	\$ 19,796,848	19066162.11	19792765.63	19834236.33
11/1/2033	\$ 9,196,255	\$ 15,608,979	\$ 19,772,506	\$ 20,575,389	\$ 15,834,987	\$ 29,875,744	\$ 31,409,090	31440539.06	31403226.56	31417974.61
12/1/2033	\$ 11,397,316	\$ 20,752,609	\$ 26,760,605	\$ 27,919,594	\$ 21,077,459	\$ 38,283,750	\$ 35,851,980	35971667.97	35875035.16	35865117.19
1/1/2034	\$ 9,528,862	\$ 18,712,729	\$ 25,530,865	\$ 26,420,014	\$ 19,222,051	\$ 37,449,156	\$ 35,298,145	35354394.53	35291441.41	35311574.22
2/1/2034	\$ 8,028,738	\$ 15,285,015	\$ 20,665,979	\$ 21,069,436	\$ 15,686,755	\$ 28,402,580	\$ 31,674,701	31725519.53	31668304.69	31687228.52
3/1/2034	\$ 8,047,604	\$ 14,032,914	\$ 18,499,332	\$ 18,834,188	\$ 14,366,717	\$ 29,000,904	\$ 31,376,613	31432833.98	31371667.97	31389960.94
4/1/2034	\$ 6,468,634	\$ 10,424,630	\$ 13,344,758	\$ 13,564,249	\$ 10,643,564	\$ 19,035,699	\$ 20,643,193	20315134.77	20423195.31	20710947.27
5/1/2034	\$ 5,923,534	\$ 8,426,672	\$ 10,314,166	\$ 10,455,690	\$ 8,567,674	\$ 14,016,544	\$ 14,767,563	15517288.09	15073083.01	14781896.48
6/1/2034	\$ 5,596,700	\$ 7,179,072	\$ 8,405,219	\$ 8,497,159	\$ 7,270,666	\$ 13,423,206	\$ 13,922,129	14511005.86	14275826.17	13935017.58
7/1/2034	\$ 5,868,949	\$ 6,972,020	\$ 8,029,428	\$ 8,108,022	\$ 7,050,508	\$ 12,274,372	\$ 12,783,909	13388864.26	13143605.47	12797248.05
8/1/2034	\$ 5,789,408	\$ 6,917,774	\$ 7,966,292	\$ 8,044,885	\$ 6,996,041	\$ 13,282,061	\$ 14,051,685	14878925.78	14412654.3	14065032.23
9/1/2034	\$ 5,601,116	\$ 7,191,666	\$ 8,497,875	\$ 8,595,813	\$ 7,289,223	\$ 12,996,677	\$ 13,622,326	14315329.1	13975792.97	13635244.14
10/1/2034	\$ 6,336,429	\$ 10,082,924	\$ 12,834,234	\$ 13,040,558	\$ 10,288,082	\$ 18,717,701	\$ 20,047,855	19434529.3	19670832.03	20107623.05
11/1/2034	\$ 8,129,017	\$ 14,630,245	\$ 19,482,766	\$ 19,846,387	\$ 14,994,519	\$ 31,297,881	\$ 31,815,473	31909861.33	31878654.3	31828400.39
12/1/2034	\$ 9,904,493	\$ 19,319,693	\$ 26,327,344	\$ 26,852,514	\$ 19,845,041	\$ 35,267,344	\$ 36,545,500	36746164.06	36632078.13	36566519.53
1/1/2035	\$ 8,402,992	\$ 17,651,412	\$ 25,492,561	\$ 25,358,342	\$ 18,362,100	\$ 37,434,695	\$ 35,878,590	36001031.25	35939230.47	35897140.63
2/1/2035	\$ 7,726,458	\$ 15,010,301	\$ 21,185,443	\$ 21,079,674	\$ 15,567,026	\$ 31,460,738	\$ 32,217,146	32327714.84	32266984.38	32233798.83
3/1/2035	\$ 7,578,694	\$ 13,580,854	\$ 18,690,889	\$ 18,603,322	\$ 14,039,844	\$ 31,159,412	\$ 31,793,455	31915824.22	31855857.42	31811835.94
4/1/2035	\$ 6,412,107	\$ 10,375,205	\$ 13,737,595	\$ 13,680,026	\$ 10,679,928	\$ 19,816,746	\$ 20,417,557	20,100,404	20,679,205	20,483,797
5/1/2035	\$ 5,885,057	\$ 8,391,880	\$ 10,540,196	\$ 10,503,414	\$ 8,586,223	\$ 14,434,227	\$ 15,506,036	15,718,337	15,576,060	15,524,450
6/1/2035	\$ 5,628,927	\$ 7,086,750	\$ 8,466,820	\$ 8,443,191	\$ 7,211,587	\$ 13,549,704	\$ 14,516,508	15,703,656	14,583,605	14,534,316
7/1/2035	\$ 5,737,223	\$ 6,904,239	\$ 8,086,096	\$ 8,065,861	\$ 7,011,147	\$ 12,294,308	\$ 13,289,011	13,374,695	13,360,081	13,307,429
8/1/2035	\$ 5,691,192	\$ 6,882,630	\$ 8,064,487	\$ 8,044,251	\$ 6,989,538	\$ 13,665,955	\$ 14,823,690	16,160,433	14,892,775	14,842,110
9/1/2035	\$ 5,602,627	\$ 7,194,404	\$ 8,665,769	\$ 8,640,577	\$ 7,327,493	\$ 13,214,354	\$ 14,253,037	14,941,308	14,323,682	14,270,861
10/1/2035	\$ 6,420,903	\$ 10,184,326	\$ 13,333,863	\$ 13,279,939	\$ 10,469,160	\$ 19,440,871	\$ 19,584,092	18,971,484	19,776,861	19,637,725
11/1/2035	\$ 8,524,542	\$ 15,072,060	\$ 20,637,164	\$ 20,541,889	\$ 15,575,295	\$ 31,114,594	\$ 32,308,820	32,420,814	32,376,391	32,326,693
12/1/2035	\$ 11,390,864	\$ 20,879,895	\$ 28,925,439	\$ 28,787,721	\$ 21,608,746	\$ 34,787,891	\$ 37,064,684	37,299,871	37,172,755	37,094,027
1/1/2036	\$ 9,257,449	\$ 18,583,578	\$ 27,475,314	\$ 26,663,988	\$ 19,499,502	\$ 40,715,258	\$ 36,385,984	36,527,074	36,462,004	36,409,594
2/1/2036	\$ 8,757,241	\$ 16,320,688	\$ 23,534,766	\$ 22,876,455	\$ 17,064,029	\$ 31,698,645	\$ 33,540,090	33,672,074	33,609,398	33,562,121
3/1/2036	\$ 8,301,312	\$ 14,333,624	\$ 20,113,701	\$ 19,586,182	\$ 14,929,093	\$ 30,880,344	\$ 32,213,059	32,354,246	32,283,697	32,236,707
4/1/2036	\$ 6,618,500	\$ 10,588,395	\$ 14,379,316	\$ 14,033,411	\$ 10,978,904	\$ 19,858,139	\$ 20,686,514	20,395,633	20,990,252	20,774,855
5/1/2036	\$ 5,895,289	\$ 8,408,098	\$ 10,818,043	\$ 10,598,138	\$ 8,656,338	\$ 14,662,612	\$ 15,585,026	15,852,383	15,660,933	15,608,609
6/1/2036	\$ 5,729,494	\$ 7,181,823	\$ 8,726,549	\$ 8,585,590	\$ 7,340,906	\$ 13,736,750	\$ 14,592,935	15,857,226	14,664,289	14,615,777
7/1/2036	\$ 5,822,846	\$ 6,978,171	\$ 8,302,968	\$ 8,182,074	\$ 7,114,557	\$ 12,467,967	\$ 13,351,497	13,515,867	13,424,615	13,375,087
8/1/2036	\$ 5,543,745	\$ 6,761,684	\$ 8,086,555	\$ 7,965,661	\$ 6,898,144	\$ 13,933,249	\$ 14,930,389	16,322,759	15,000,733	14,953,915
9/1/2036	\$ 5,435,271	\$ 7,075,956	\$ 8,738,750	\$ 8,587,020	\$ 7,247,220	\$ 13,539,701	\$ 14,451,822	15,205,104	14,519,128	14,474,650
10/1/2036	\$ 6,219,861	\$ 9,981,455	\$ 13,539,623	\$ 13,214,940	\$ 10,347,924	\$ 19,938,223	\$ 20,177,244	19,384,531	20,371,594	20,248,510
11/1/2036	\$ 7,962,007	\$ 14,550,059	\$ 20,843,029	\$ 20,268,891	\$ 15,198,140	\$ 32,295,287	\$ 32,942,582	33,071,949	32,975,137	32,965,207
12/1/2036	\$ 9,929,208	\$ 19,513,674	\$ 28,655,303	\$ 27,821,258	\$ 20,455,434	\$ 36,816,320	\$ 38,106,887	38,371,023	38,157,828	38,142,742
1/1/2037	\$ 8,139,672	\$ 17,535,721	\$ 27,512,295	\$ 25,992,357	\$ 18,664,916	\$ 37,631,039	\$ 37,301,242	37,460,660	37,331,117	37,329,680
2/1/2037	\$ 7,802,570	\$ 15,206,331	\$ 23,067,117	\$ 21,869,254	\$ 16,096,367	\$ 33,911,133	\$ 33,315,406	33,459,508	33,351,859	33,341,289
3/1/2037	\$ 7,668,467	\$ 13,765,220	\$ 20,254,480	\$ 19,265,527	\$ 14,500,242	\$ 32,093,629	\$ 32,739,402	32,899,016	32,786,578	32,768,074
4/1/2037	\$ 6,566,822	\$ 10,551,699	\$ 14,792,222	\$ 14,146,125	\$ 11,031,767	\$ 20,335,678	\$ 21,198,143	20,827,031	21,193,533	21,310,354
5/1/2037	\$ 5,789,235	\$ 8,298,857	\$ 10,976,267	\$ 10,568,330	\$ 8,601,957	\$ 14,946,548	\$ 15,744,137	16,045,664	15,767,038	15,773,032
6/1/2037	\$ 5,593,955	\$ 7,070,606	\$ 8,793,164	\$ 8,530,709	\$ 7,265,598	\$ 13,843,164	\$ 14,692,159	16,062,703	15,169,083	14,720,093
7/1/2037	\$ 5,758,946	\$ 6,920,734	\$ 8,387,030	\$ 8,163,621	\$ 7,086,719	\$ 12,608,080	\$ 13,485,293	13,699,445	13,495,369	13,514,158
8/1/2037	\$ 5,595,304	\$ 6,803,478	\$ 8,269,805	\$ 8,046,395	\$ 6,969,493	\$ 14,152,286	\$ 15,082,566	16,569,145	15,566,610	15,111,432
9/1/2037	\$ 5,544,050	\$ 7,164,780	\$ 9,011,195	\$ 8,729,869	\$ 7,373,798	\$ 13,689,691	\$ 14,561,913	15,384,842	14,803,368	14,589,847
10/1/2037	\$ 6,568,067	\$ 10,344,316	\$ 14,314,065	\$ 13,709,213	\$ 10,793,644	\$ 19,913,635	\$ 20,306,205	19,511,473	20,149,471	20,396,180
11/1/2037	\$ 8,387,292	\$ 15,072,845	\$ 22,103,369	\$ 21,026,283	\$ 15,876,394	\$ 31,707,877	\$ 32,973,887	33,267,574	33,130,359	33,051,250
12/1/2037	\$ 10,451,498	\$ 20,126,756	\$ 30,381,223	\$ 28,818,857	\$ 21,288,117	\$ 36,327,980	\$ 37,962,926	42,285,844	37,945,344	38,068,695
1/1/2038	\$ 8,323,956	\$ 17,782,074	\$ 28,872,619	\$ 26,612,977	\$ 19,131,363	\$ 44,228,234	\$ 48,986,719	45,448,992	49,433,336	49,258,840
2/1/2038	\$ 8,058,986	\$ 15,508,179	\$ 24,248,850	\$ 22,467,992	\$ 16,571,678	\$ 36,182,273	\$ 39,106,477	38,713,793	39,408,625	39,302,367
3/1/2038	\$ 7,662,948	\$ 13,837,608	\$ 20,995,285	\$ 19,523,861	\$ 14,722,998	\$ 29,682,344	\$ 30,270,635	30,947,027	30,436,764	30,334,645
4/1/2038	\$									

Monthly NYMEX Price (\$/Dth)											
Date	1st Percentile No Carbon	1st Percentile Inslee Tax	1st Percentile I- 1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Inslee Tax	99th Percentile I- 1631	99th Percentile SCC 3%	99th Percentile Market Choice	
1/1/2019	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	\$ 3.176	
2/1/2019	\$ 3.201	\$ 3.201	\$ 3.201	\$ 3.201	\$ 3.201	\$ 3.215	\$ 3.215	\$ 3.215	\$ 3.215	\$ 3.215	
3/1/2019	\$ 3.103	\$ 3.103	\$ 3.103	\$ 3.103	\$ 3.103	\$ 3.003	\$ 3.003	\$ 3.003	\$ 3.003	\$ 3.003	
4/1/2019	\$ 2.679	\$ 2.679	\$ 2.679	\$ 2.679	\$ 2.679	\$ 2.598	\$ 2.598	\$ 2.598	\$ 2.598	\$ 2.598	
5/1/2019	\$ 2.551	\$ 2.551	\$ 2.551	\$ 2.551	\$ 2.551	\$ 2.633	\$ 2.633	\$ 2.633	\$ 2.633	\$ 2.633	
6/1/2019	\$ 2.581	\$ 2.581	\$ 2.581	\$ 2.581	\$ 2.581	\$ 2.652	\$ 2.652	\$ 2.652	\$ 2.652	\$ 2.652	
7/1/2019	\$ 2.600	\$ 2.600	\$ 2.600	\$ 2.600	\$ 2.600	\$ 2.690	\$ 2.690	\$ 2.690	\$ 2.690	\$ 2.690	
8/1/2019	\$ 2.575	\$ 2.575	\$ 2.575	\$ 2.575	\$ 2.575	\$ 2.664	\$ 2.664	\$ 2.664	\$ 2.664	\$ 2.664	
9/1/2019	\$ 2.499	\$ 2.499	\$ 2.499	\$ 2.499	\$ 2.499	\$ 2.618	\$ 2.618	\$ 2.618	\$ 2.618	\$ 2.618	
10/1/2019	\$ 2.364	\$ 2.364	\$ 2.364	\$ 2.364	\$ 2.364	\$ 2.618	\$ 2.618	\$ 2.618	\$ 2.618	\$ 2.618	
11/1/2019	\$ 2.476	\$ 2.476	\$ 2.476	\$ 2.476	\$ 2.476	\$ 2.667	\$ 2.667	\$ 2.667	\$ 2.667	\$ 2.667	
12/1/2019	\$ 2.516	\$ 2.516	\$ 2.516	\$ 2.516	\$ 2.516	\$ 2.773	\$ 2.773	\$ 2.773	\$ 2.773	\$ 2.773	
1/1/2020	\$ 2.628	\$ 3.248	\$ 3.403	\$ 4.797	\$ 3.868	\$ 2.840	\$ 3.460	\$ 3.615	\$ 5.009	\$ 4.080	
2/1/2020	\$ 2.659	\$ 3.279	\$ 3.434	\$ 4.828	\$ 3.899	\$ 2.698	\$ 3.318	\$ 3.473	\$ 4.867	\$ 3.938	
3/1/2020	\$ 2.665	\$ 3.285	\$ 3.440	\$ 4.834	\$ 3.904	\$ 2.512	\$ 3.132	\$ 3.287	\$ 4.682	\$ 3.752	
4/1/2020	\$ 2.612	\$ 3.232	\$ 3.387	\$ 4.781	\$ 3.852	\$ 2.245	\$ 2.865	\$ 3.020	\$ 4.414	\$ 3.485	
5/1/2020	\$ 2.553	\$ 3.172	\$ 3.327	\$ 4.722	\$ 3.792	\$ 2.247	\$ 2.866	\$ 3.021	\$ 4.416	\$ 3.486	
6/1/2020	\$ 2.619	\$ 3.238	\$ 3.393	\$ 4.788	\$ 3.858	\$ 2.248	\$ 2.867	\$ 3.022	\$ 4.417	\$ 3.487	
7/1/2020	\$ 2.637	\$ 3.256	\$ 3.411	\$ 4.806	\$ 3.876	\$ 2.238	\$ 2.858	\$ 3.013	\$ 4.407	\$ 3.477	
8/1/2020	\$ 2.649	\$ 3.269	\$ 3.424	\$ 4.818	\$ 3.889	\$ 2.365	\$ 2.984	\$ 3.139	\$ 4.534	\$ 3.604	
9/1/2020	\$ 2.622	\$ 3.242	\$ 3.396	\$ 4.791	\$ 3.861	\$ 2.343	\$ 2.963	\$ 3.118	\$ 4.512	\$ 3.583	
10/1/2020	\$ 2.617	\$ 3.237	\$ 3.392	\$ 4.786	\$ 3.857	\$ 2.400	\$ 3.019	\$ 3.174	\$ 4.569	\$ 3.639	
11/1/2020	\$ 2.786	\$ 3.406	\$ 3.561	\$ 4.956	\$ 4.026	\$ 2.507	\$ 3.126	\$ 3.281	\$ 4.676	\$ 3.746	
12/1/2020	\$ 2.890	\$ 3.510	\$ 3.665	\$ 5.059	\$ 4.130	\$ 2.672	\$ 3.292	\$ 3.447	\$ 4.841	\$ 3.912	
1/1/2021	\$ 3.021	\$ 3.734	\$ 3.915	\$ 5.190	\$ 4.285	\$ 2.745	\$ 3.458	\$ 3.640	\$ 4.914	\$ 4.009	
2/1/2021	\$ 3.023	\$ 3.735	\$ 3.917	\$ 5.192	\$ 4.287	\$ 2.715	\$ 3.427	\$ 3.609	\$ 4.884	\$ 3.979	
3/1/2021	\$ 2.973	\$ 3.685	\$ 3.867	\$ 5.142	\$ 4.237	\$ 2.673	\$ 3.386	\$ 3.568	\$ 4.842	\$ 3.938	
4/1/2021	\$ 2.661	\$ 3.373	\$ 3.555	\$ 4.830	\$ 3.925	\$ 2.450	\$ 3.162	\$ 3.344	\$ 4.619	\$ 3.714	
5/1/2021	\$ 2.786	\$ 3.499	\$ 3.680	\$ 4.955	\$ 4.050	\$ 2.486	\$ 3.199	\$ 3.381	\$ 4.655	\$ 3.751	
6/1/2021	\$ 2.766	\$ 3.479	\$ 3.660	\$ 4.935	\$ 4.030	\$ 2.527	\$ 3.240	\$ 3.421	\$ 4.696	\$ 3.791	
7/1/2021	\$ 2.748	\$ 3.461	\$ 3.642	\$ 4.917	\$ 4.012	\$ 2.360	\$ 3.073	\$ 3.254	\$ 4.529	\$ 3.624	
8/1/2021	\$ 2.668	\$ 3.381	\$ 3.563	\$ 4.837	\$ 3.932	\$ 2.494	\$ 3.207	\$ 3.388	\$ 4.663	\$ 3.758	
9/1/2021	\$ 2.601	\$ 3.314	\$ 3.496	\$ 4.771	\$ 3.866	\$ 2.544	\$ 3.257	\$ 3.438	\$ 4.713	\$ 3.808	
10/1/2021	\$ 2.528	\$ 3.241	\$ 3.422	\$ 4.697	\$ 3.792	\$ 2.597	\$ 3.310	\$ 3.492	\$ 4.767	\$ 3.862	
11/1/2021	\$ 2.689	\$ 3.402	\$ 3.583	\$ 4.858	\$ 3.953	\$ 2.765	\$ 3.478	\$ 3.659	\$ 4.934	\$ 4.029	
12/1/2021	\$ 2.824	\$ 3.537	\$ 3.719	\$ 4.993	\$ 4.088	\$ 2.989	\$ 3.702	\$ 3.884	\$ 5.158	\$ 4.253	
1/1/2022	\$ 2.828	\$ 3.633	\$ 3.844	\$ 5.049	\$ 4.117	\$ 3.093	\$ 3.899	\$ 4.110	\$ 5.314	\$ 4.383	
2/1/2022	\$ 2.841	\$ 3.647	\$ 3.858	\$ 5.062	\$ 4.131	\$ 2.930	\$ 3.736	\$ 3.947	\$ 5.151	\$ 4.220	
3/1/2022	\$ 2.818	\$ 3.623	\$ 3.834	\$ 5.038	\$ 4.107	\$ 2.955	\$ 3.760	\$ 3.971	\$ 5.176	\$ 4.244	
4/1/2022	\$ 2.587	\$ 3.393	\$ 3.604	\$ 4.808	\$ 3.877	\$ 2.807	\$ 3.613	\$ 3.824	\$ 5.028	\$ 4.097	
5/1/2022	\$ 2.560	\$ 3.365	\$ 3.576	\$ 4.780	\$ 3.849	\$ 3.037	\$ 3.843	\$ 4.054	\$ 5.258	\$ 4.327	
6/1/2022	\$ 2.642	\$ 3.448	\$ 3.659	\$ 4.863	\$ 3.932	\$ 3.179	\$ 3.985	\$ 4.196	\$ 5.400	\$ 4.468	
7/1/2022	\$ 2.751	\$ 3.557	\$ 3.768	\$ 4.972	\$ 4.041	\$ 3.143	\$ 3.948	\$ 4.159	\$ 5.363	\$ 4.432	
8/1/2022	\$ 2.624	\$ 3.430	\$ 3.641	\$ 4.845	\$ 3.914	\$ 3.041	\$ 3.847	\$ 4.058	\$ 5.262	\$ 4.331	
9/1/2022	\$ 2.641	\$ 3.447	\$ 3.658	\$ 4.862	\$ 3.931	\$ 3.045	\$ 3.851	\$ 4.062	\$ 5.266	\$ 4.334	
10/1/2022	\$ 2.628	\$ 3.434	\$ 3.645	\$ 4.849	\$ 3.918	\$ 3.033	\$ 3.839	\$ 4.050	\$ 5.254	\$ 4.322	
11/1/2022	\$ 2.662	\$ 3.468	\$ 3.679	\$ 4.883	\$ 3.952	\$ 3.058	\$ 3.863	\$ 4.074	\$ 5.278	\$ 4.347	
12/1/2022	\$ 2.778	\$ 3.584	\$ 3.795	\$ 4.999	\$ 4.068	\$ 3.224	\$ 4.030	\$ 4.241	\$ 5.445	\$ 4.514	
1/1/2023	\$ 2.700	\$ 3.598	\$ 3.841	\$ 4.972	\$ 4.015	\$ 3.366	\$ 4.265	\$ 4.508	\$ 5.639	\$ 4.682	
2/1/2023	\$ 2.578	\$ 3.477	\$ 3.720	\$ 4.851	\$ 3.894	\$ 3.279	\$ 4.277	\$ 4.520	\$ 5.651	\$ 4.694	
3/1/2023	\$ 2.439	\$ 3.338	\$ 3.581	\$ 4.712	\$ 3.755	\$ 3.374	\$ 4.273	\$ 4.515	\$ 5.646	\$ 4.689	
4/1/2023	\$ 2.252	\$ 3.151	\$ 3.394	\$ 4.525	\$ 3.568	\$ 3.314	\$ 4.212	\$ 4.455	\$ 5.586	\$ 4.629	
5/1/2023	\$ 2.296	\$ 3.194	\$ 3.437	\$ 4.568	\$ 3.611	\$ 3.438	\$ 4.336	\$ 4.579	\$ 5.710	\$ 4.753	
6/1/2023	\$ 2.387	\$ 3.286	\$ 3.529	\$ 4.659	\$ 3.702	\$ 3.607	\$ 4.505	\$ 4.748	\$ 5.879	\$ 4.922	
7/1/2023	\$ 2.372	\$ 3.271	\$ 3.513	\$ 4.644	\$ 3.687	\$ 3.761	\$ 4.660	\$ 4.903	\$ 6.034	\$ 5.077	
8/1/2023	\$ 2.356	\$ 3.255	\$ 3.498	\$ 4.628	\$ 3.671	\$ 3.702	\$ 4.601	\$ 4.844	\$ 5.975	\$ 5.018	
9/1/2023	\$ 2.189	\$ 3.088	\$ 3.331	\$ 4.461	\$ 3.504	\$ 3.705	\$ 4.604	\$ 4.847	\$ 5.978	\$ 5.021	
10/1/2023	\$ 2.029	\$ 2.927	\$ 3.170	\$ 4.301	\$ 3.344	\$ 3.879	\$ 4.777	\$ 5.020	\$ 6.151	\$ 5.194	
11/1/2023	\$ 2.064	\$ 2.962	\$ 3.205	\$ 4.336	\$ 3.379	\$ 4.127	\$ 5.026	\$ 5.268	\$ 6.399	\$ 5.442	
12/1/2023	\$ 2.074	\$ 2.973	\$ 3.216	\$ 4.347	\$ 3.390	\$ 4.193	\$ 5.092	\$ 5.335	\$ 6.465	\$ 5.508	
1/1/2024	\$ 2.141	\$ 3.133	\$ 3.410	\$ 4.465	\$ 3.483	\$ 4.308	\$ 5.300	\$ 5.577	\$ 6.632	\$ 5.650	
2/1/2024	\$ 2.144	\$ 3.136	\$ 3.413	\$ 4.468	\$ 3.486	\$ 4.227	\$ 5.219	\$ 5.496	\$ 6.552	\$ 5.569	
3/1/2024	\$ 2.128	\$ 3.120	\$ 3.397	\$ 4.452	\$ 3.470	\$ 4.155	\$ 5.146	\$ 5.424	\$ 6.479	\$ 5.497	
4/1/2024	\$ 1.958	\$ 2.950	\$ 3.227	\$ 4.282	\$ 3.300	\$ 3.839	\$ 4.830	\$ 5.108	\$ 6.163	\$ 5.180	
5/1/2024	\$ 1.962	\$ 2.953	\$ 3.231	\$ 4.286	\$ 3.303	\$ 4.142	\$ 5.134	\$ 5.411	\$ 6.466	\$ 5.484	
6/1/2024	\$ 1.903	\$ 2.895	\$ 3.172	\$ 4.227	\$ 3.245	\$ 4.138	\$ 5.130	\$ 5.407	\$ 6.462	\$ 5.480	
7/1/2024	\$ 1.909	\$ 2.900	\$ 3.178	\$ 4.233	\$ 3.250	\$ 4.198	\$ 5.189	\$ 5.467	\$ 6.522	\$ 5.539	
8/1/2024	\$ 1.856	\$ 2.848	\$ 3.125	\$ 4.180	\$ 3.198	\$ 4.327	\$ 5.319	\$ 5.596	\$ 6.651	\$ 5.669	
9/1/2024	\$ 1.824	\$ 2.816	\$ 3.093	\$ 4.148	\$ 3.166	\$ 4.456	\$ 5.447	\$ 5.725	\$ 6.780	\$ 5.797	
10/1/2024	\$ 1.861	\$ 2.853	\$ 3.130	\$ 4.185	\$ 3.203	\$ 4.546	\$ 5.537	\$ 5.815	\$ 6.870	\$ 5.887	
11/1/2024	\$ 1.951	\$ 2.942	\$ 3.220	\$ 4.275	\$ 3.292	\$ 4.664	\$ 5.655	\$ 5.933	\$ 6.988	\$ 6.005	
12/1/2024	\$ 1.947	\$ 2.938	\$ 3.216	\$ 4.271	\$ 3.289	\$ 4.922	\$ 5.914	\$ 6.191	\$ 7.247	\$ 6.264	
1/1/2025	\$ 1.926	\$ 3.010	\$ 3.325	\$ 4.301	\$ 3.294	\$ 4.968	\$ 6.053	\$ 6.368	\$ 7.344	\$ 6.337	
2/1/2025	\$ 1.861	\$ 2.945	\$ 3.260	\$ 4.236	\$ 3.229	\$ 4.885	\$ 5.970	\$ 6.284	\$ 7.261	\$ 6.254	
3/1/2025	\$ 1.845	\$ 2.929	\$ 3.244	\$ 4.220	\$ 3.213	\$ 4.801	\$ 5.886	\$ 6.200	\$ 7.177	\$ 6.170	
4/1/2025	\$ 1.691	\$ 2.776	\$ 3.090	\$ 4.067	\$ 3.060	\$ 4.643	\$ 5.728	\$ 6.042	\$ 7.019	\$ 6.012	
5/1/2025	\$ 1.583	\$ 2.667	\$ 2.982	\$ 3.958	\$ 2.951	\$ 4.635	\$ 5.720	\$ 6.035	\$ 7.011	\$ 6.004	
6/1/2025	\$ 1.570	\$ 2.654	\$ 2.969	\$ 3.946	\$ 2.938	\$ 4.627	\$ 5.712	\$ 6.026	\$ 7.003	\$ 5.996	
7/1/2025	\$ 1.536	\$ 2.621	\$ 2.936	\$ 3.912	\$ 2.905	\$ 4.548	\$ 5.632	\$ 5.947	\$ 6.923	\$ 5.916	
8/1/2025	\$ 1.552	\$ 2.637	\$ 2.951	\$ 3.928	\$ 2.920	\$ 4.588	\$ 5.673	\$ 5.987	\$ 6.964	\$ 5.957	
9/1/2025	\$ 1.494	\$ 2.578	\$ 2.893	\$ 3.870	\$ 2.862	\$ 4.659	\$ 5.743	\$ 6.058	\$ 7.035	\$ 6.027	

Monthly NYMEX Price (\$/Dth)											
Date	1st Percentile No Carbon	1st Percentile Insllee Tax	1st Percentile I-1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Insllee Tax	99th Percentile I-1631	99th Percentile SCC 3%	99th Percentile Market Choice	
10/1/2025	\$ 1.578	\$ 2.663	\$ 2.977	\$ 3.954	\$ 2.947	\$ 4.786	\$ 5.871	\$ 6.185	\$ 7.162	\$ 6.155	
11/1/2025	\$ 1.626	\$ 2.710	\$ 3.025	\$ 4.002	\$ 2.994	\$ 4.972	\$ 6.057	\$ 6.371	\$ 7.348	\$ 6.341	
12/1/2025	\$ 1.720	\$ 2.805	\$ 3.120	\$ 4.096	\$ 3.089	\$ 5.119	\$ 6.204	\$ 6.518	\$ 7.495	\$ 6.488	
1/1/2026	\$ 1.825	\$ 3.003	\$ 3.357	\$ 4.252	\$ 3.221	\$ 5.416	\$ 6.594	\$ 6.948	\$ 7.844	\$ 6.812	
2/1/2026	\$ 1.770	\$ 2.947	\$ 3.302	\$ 4.197	\$ 3.166	\$ 5.141	\$ 6.318	\$ 6.673	\$ 7.568	\$ 6.537	
3/1/2026	\$ 1.740	\$ 2.918	\$ 3.273	\$ 4.168	\$ 3.136	\$ 4.936	\$ 6.113	\$ 6.468	\$ 7.363	\$ 6.332	
4/1/2026	\$ 1.489	\$ 2.667	\$ 3.021	\$ 3.916	\$ 2.885	\$ 4.755	\$ 5.933	\$ 6.287	\$ 7.182	\$ 6.151	
5/1/2026	\$ 1.558	\$ 2.736	\$ 3.090	\$ 3.986	\$ 2.954	\$ 4.853	\$ 6.030	\$ 6.385	\$ 7.280	\$ 6.249	
6/1/2026	\$ 1.572	\$ 2.750	\$ 3.104	\$ 4.000	\$ 2.968	\$ 5.135	\$ 6.313	\$ 6.667	\$ 7.562	\$ 6.531	
7/1/2026	\$ 1.487	\$ 2.665	\$ 3.019	\$ 3.915	\$ 2.883	\$ 5.392	\$ 6.570	\$ 6.924	\$ 7.820	\$ 6.788	
8/1/2026	\$ 1.536	\$ 2.713	\$ 3.068	\$ 3.963	\$ 2.931	\$ 5.537	\$ 6.714	\$ 7.069	\$ 7.964	\$ 6.932	
9/1/2026	\$ 1.501	\$ 2.678	\$ 3.033	\$ 3.928	\$ 2.897	\$ 5.678	\$ 6.856	\$ 7.210	\$ 8.106	\$ 7.074	
10/1/2026	\$ 1.454	\$ 2.631	\$ 2.986	\$ 3.881	\$ 2.849	\$ 5.716	\$ 6.894	\$ 7.249	\$ 8.144	\$ 7.112	
11/1/2026	\$ 1.486	\$ 2.664	\$ 3.018	\$ 3.914	\$ 2.882	\$ 5.505	\$ 6.682	\$ 7.037	\$ 7.932	\$ 6.901	
12/1/2026	\$ 1.527	\$ 2.704	\$ 3.059	\$ 3.954	\$ 2.923	\$ 5.739	\$ 6.917	\$ 7.271	\$ 8.167	\$ 7.135	
1/1/2027	\$ 1.538	\$ 2.809	\$ 3.206	\$ 4.017	\$ 2.962	\$ 6.112	\$ 7.382	\$ 7.780	\$ 8.591	\$ 7.536	
2/1/2027	\$ 1.476	\$ 2.746	\$ 3.144	\$ 3.955	\$ 2.900	\$ 5.629	\$ 6.899	\$ 7.297	\$ 8.108	\$ 7.053	
3/1/2027	\$ 1.479	\$ 2.750	\$ 3.147	\$ 3.958	\$ 2.903	\$ 5.726	\$ 6.996	\$ 7.394	\$ 8.205	\$ 7.150	
4/1/2027	\$ 1.463	\$ 2.734	\$ 3.131	\$ 3.942	\$ 2.887	\$ 5.956	\$ 7.226	\$ 7.624	\$ 8.435	\$ 7.380	
5/1/2027	\$ 1.476	\$ 2.746	\$ 3.144	\$ 3.955	\$ 2.900	\$ 6.345	\$ 7.615	\$ 8.013	\$ 8.824	\$ 7.769	
6/1/2027	\$ 1.383	\$ 2.654	\$ 3.051	\$ 3.862	\$ 2.807	\$ 6.199	\$ 7.469	\$ 7.866	\$ 8.678	\$ 7.622	
7/1/2027	\$ 1.465	\$ 2.736	\$ 3.133	\$ 3.944	\$ 2.889	\$ 6.218	\$ 7.488	\$ 7.885	\$ 8.697	\$ 7.641	
8/1/2027	\$ 1.460	\$ 2.731	\$ 3.128	\$ 3.939	\$ 2.884	\$ 6.312	\$ 7.582	\$ 7.980	\$ 8.791	\$ 7.736	
9/1/2027	\$ 1.500	\$ 2.770	\$ 3.168	\$ 3.979	\$ 2.924	\$ 6.304	\$ 7.574	\$ 7.972	\$ 8.783	\$ 7.728	
10/1/2027	\$ 1.412	\$ 2.682	\$ 3.080	\$ 3.891	\$ 2.836	\$ 6.762	\$ 8.032	\$ 8.430	\$ 9.241	\$ 8.186	
11/1/2027	\$ 1.455	\$ 2.726	\$ 3.123	\$ 3.934	\$ 2.879	\$ 6.936	\$ 8.207	\$ 8.604	\$ 9.415	\$ 8.360	
12/1/2027	\$ 1.442	\$ 2.713	\$ 3.110	\$ 3.921	\$ 2.866	\$ 7.357	\$ 8.628	\$ 9.025	\$ 9.836	\$ 8.781	
1/1/2028	\$ 1.505	\$ 2.869	\$ 3.312	\$ 4.036	\$ 2.957	\$ 7.337	\$ 8.701	\$ 9.144	\$ 9.868	\$ 8.790	
2/1/2028	\$ 1.480	\$ 2.843	\$ 3.286	\$ 4.010	\$ 2.932	\$ 7.223	\$ 8.586	\$ 9.029	\$ 9.753	\$ 8.675	
3/1/2028	\$ 1.493	\$ 2.856	\$ 3.299	\$ 4.023	\$ 2.945	\$ 7.665	\$ 9.028	\$ 9.472	\$ 10.196	\$ 9.117	
4/1/2028	\$ 1.395	\$ 2.758	\$ 3.201	\$ 3.926	\$ 2.847	\$ 7.200	\$ 8.564	\$ 9.007	\$ 9.731	\$ 8.653	
5/1/2028	\$ 1.395	\$ 2.758	\$ 3.201	\$ 3.925	\$ 2.847	\$ 7.575	\$ 8.938	\$ 9.381	\$ 10.105	\$ 9.027	
6/1/2028	\$ 1.437	\$ 2.800	\$ 3.243	\$ 3.967	\$ 2.889	\$ 7.626	\$ 8.990	\$ 9.433	\$ 10.157	\$ 9.078	
7/1/2028	\$ 1.567	\$ 2.931	\$ 3.374	\$ 4.098	\$ 3.019	\$ 7.494	\$ 8.857	\$ 9.300	\$ 10.024	\$ 8.946	
8/1/2028	\$ 1.587	\$ 2.950	\$ 3.393	\$ 4.117	\$ 3.039	\$ 7.488	\$ 8.851	\$ 9.294	\$ 10.019	\$ 8.940	
9/1/2028	\$ 1.610	\$ 2.973	\$ 3.416	\$ 4.140	\$ 3.062	\$ 7.258	\$ 8.621	\$ 9.064	\$ 9.788	\$ 8.710	
10/1/2028	\$ 1.595	\$ 2.958	\$ 3.401	\$ 4.125	\$ 3.047	\$ 7.484	\$ 8.847	\$ 9.290	\$ 10.014	\$ 8.936	
11/1/2028	\$ 1.607	\$ 2.971	\$ 3.414	\$ 4.138	\$ 3.060	\$ 7.761	\$ 9.125	\$ 9.568	\$ 10.292	\$ 9.214	
12/1/2028	\$ 1.710	\$ 3.073	\$ 3.516	\$ 4.241	\$ 3.162	\$ 8.480	\$ 9.843	\$ 10.287	\$ 11.011	\$ 9.932	
1/1/2029	\$ 1.798	\$ 3.255	\$ 3.747	\$ 4.329	\$ 3.280	\$ 8.554	\$ 10.011	\$ 10.502	\$ 11.085	\$ 10.036	
2/1/2029	\$ 1.786	\$ 3.243	\$ 3.734	\$ 4.317	\$ 3.268	\$ 8.034	\$ 9.490	\$ 9.982	\$ 10.564	\$ 9.515	
3/1/2029	\$ 1.831	\$ 3.288	\$ 3.780	\$ 4.362	\$ 3.313	\$ 7.885	\$ 9.341	\$ 9.833	\$ 10.415	\$ 9.366	
4/1/2029	\$ 1.702	\$ 3.158	\$ 3.650	\$ 4.232	\$ 3.183	\$ 7.226	\$ 8.683	\$ 9.175	\$ 9.757	\$ 8.708	
5/1/2029	\$ 1.835	\$ 3.292	\$ 3.783	\$ 4.366	\$ 3.317	\$ 7.392	\$ 8.848	\$ 9.340	\$ 9.923	\$ 8.873	
6/1/2029	\$ 1.868	\$ 3.324	\$ 3.816	\$ 4.399	\$ 3.349	\$ 7.776	\$ 9.232	\$ 9.724	\$ 10.307	\$ 9.257	
7/1/2029	\$ 1.913	\$ 3.369	\$ 3.861	\$ 4.443	\$ 3.394	\$ 7.754	\$ 9.211	\$ 9.702	\$ 10.285	\$ 9.236	
8/1/2029	\$ 1.882	\$ 3.339	\$ 3.831	\$ 4.413	\$ 3.364	\$ 7.604	\$ 9.060	\$ 9.552	\$ 10.134	\$ 9.085	
9/1/2029	\$ 1.820	\$ 3.277	\$ 3.769	\$ 4.351	\$ 3.302	\$ 7.528	\$ 8.985	\$ 9.477	\$ 10.059	\$ 9.010	
10/1/2029	\$ 1.785	\$ 3.242	\$ 3.733	\$ 4.316	\$ 3.266	\$ 7.513	\$ 8.969	\$ 9.461	\$ 10.044	\$ 8.994	
11/1/2029	\$ 1.695	\$ 3.152	\$ 3.644	\$ 4.226	\$ 3.177	\$ 7.913	\$ 9.370	\$ 9.862	\$ 10.444	\$ 9.395	
12/1/2029	\$ 1.723	\$ 3.179	\$ 3.671	\$ 4.254	\$ 3.204	\$ 8.158	\$ 9.614	\$ 10.106	\$ 10.689	\$ 9.639	
1/1/2030	\$ 1.797	\$ 3.347	\$ 3.890	\$ 4.380	\$ 3.308	\$ 7.989	\$ 9.539	\$ 10.082	\$ 10.572	\$ 9.500	
2/1/2030	\$ 1.703	\$ 3.252	\$ 3.795	\$ 4.285	\$ 3.214	\$ 7.582	\$ 9.132	\$ 9.675	\$ 10.165	\$ 9.093	
3/1/2030	\$ 1.645	\$ 3.194	\$ 3.737	\$ 4.227	\$ 3.155	\$ 7.621	\$ 9.171	\$ 9.714	\$ 10.204	\$ 9.132	
4/1/2030	\$ 1.533	\$ 3.082	\$ 3.626	\$ 4.115	\$ 3.044	\$ 7.008	\$ 8.557	\$ 9.101	\$ 9.590	\$ 8.519	
5/1/2030	\$ 1.574	\$ 3.124	\$ 3.667	\$ 4.157	\$ 3.085	\$ 7.149	\$ 8.698	\$ 9.241	\$ 9.731	\$ 8.660	
6/1/2030	\$ 1.661	\$ 3.210	\$ 3.753	\$ 4.243	\$ 3.172	\$ 7.309	\$ 8.858	\$ 9.402	\$ 9.891	\$ 8.820	
7/1/2030	\$ 1.705	\$ 3.254	\$ 3.798	\$ 4.287	\$ 3.216	\$ 7.609	\$ 9.158	\$ 9.702	\$ 10.191	\$ 9.120	
8/1/2030	\$ 1.726	\$ 3.275	\$ 3.818	\$ 4.308	\$ 3.237	\$ 7.820	\$ 9.369	\$ 9.913	\$ 10.402	\$ 9.331	
9/1/2030	\$ 1.730	\$ 3.279	\$ 3.823	\$ 4.312	\$ 3.241	\$ 7.457	\$ 9.006	\$ 9.549	\$ 10.039	\$ 8.968	
10/1/2030	\$ 1.731	\$ 3.281	\$ 3.824	\$ 4.314	\$ 3.242	\$ 7.381	\$ 8.931	\$ 9.474	\$ 9.964	\$ 8.892	
11/1/2030	\$ 1.682	\$ 3.231	\$ 3.775	\$ 4.264	\$ 3.193	\$ 7.342	\$ 8.891	\$ 9.434	\$ 9.924	\$ 8.853	
12/1/2030	\$ 1.778	\$ 3.327	\$ 3.871	\$ 4.360	\$ 3.289	\$ 7.459	\$ 9.008	\$ 9.552	\$ 10.041	\$ 8.970	
1/1/2031	\$ 1.774	\$ 3.324	\$ 4.015	\$ 4.408	\$ 3.315	\$ 7.627	\$ 9.176	\$ 9.867	\$ 10.261	\$ 9.168	
2/1/2031	\$ 1.745	\$ 3.294	\$ 3.985	\$ 4.379	\$ 3.286	\$ 7.356	\$ 8.906	\$ 9.597	\$ 9.990	\$ 8.898	
3/1/2031	\$ 1.665	\$ 3.215	\$ 3.906	\$ 4.299	\$ 3.206	\$ 7.171	\$ 8.720	\$ 9.411	\$ 9.805	\$ 8.712	
4/1/2031	\$ 1.573	\$ 3.122	\$ 3.813	\$ 4.207	\$ 3.114	\$ 6.688	\$ 8.238	\$ 8.929	\$ 9.322	\$ 8.229	
5/1/2031	\$ 1.654	\$ 3.203	\$ 3.894	\$ 4.288	\$ 3.195	\$ 6.863	\$ 8.412	\$ 9.103	\$ 9.497	\$ 8.404	
6/1/2031	\$ 1.694	\$ 3.244	\$ 3.935	\$ 4.328	\$ 3.236	\$ 6.900	\$ 8.449	\$ 9.140	\$ 9.534	\$ 8.441	
7/1/2031	\$ 1.777	\$ 3.327	\$ 4.018	\$ 4.411	\$ 3.318	\$ 7.320	\$ 8.869	\$ 9.560	\$ 9.954	\$ 8.861	
8/1/2031	\$ 1.790	\$ 3.339	\$ 4.030	\$ 4.424	\$ 3.331	\$ 7.201	\$ 8.750	\$ 9.441	\$ 9.835	\$ 8.742	
9/1/2031	\$ 1.811	\$ 3.360	\$ 4.051	\$ 4.445	\$ 3.352	\$ 6.945	\$ 8.494	\$ 9.185	\$ 9.579	\$ 8.486	
10/1/2031	\$ 1.728	\$ 3.278	\$ 3.969	\$ 4.362	\$ 3.269	\$ 7.178	\$ 8.728	\$ 9.419	\$ 9.812	\$ 8.719	
11/1/2031	\$ 1.701	\$ 3.250	\$ 3.941	\$ 4.335	\$ 3.242	\$ 7.567	\$ 9.117	\$ 9.808	\$ 10.201	\$ 9.108	
12/1/2031	\$ 1.755	\$ 3.304	\$ 3.995	\$ 4.389	\$ 3.296	\$ 8.174	\$ 9.723	\$ 10.414	\$ 10.808	\$ 9.715	
1/1/2032	\$ 1.754	\$ 3.303	\$ 4.145	\$ 4.440	\$ 3.326	\$ 8.475	\$ 10.024	\$ 10.866	\$ 11.160	\$ 10.047	
2/1/2032	\$ 1.739	\$ 3.289	\$ 4.131	\$ 4.425	\$ 3.311	\$ 8.647	\$ 10.196	\$ 11.038	\$ 11.333	\$ 10.219	
3/1/2032	\$ 1.695	\$ 3.245	\$ 4.086	\$ 4.381	\$ 3.267	\$ 8.813	\$ 10.363	\$ 11.204	\$ 11.499	\$ 10.385	
4/1/2032	\$ 1.597	\$ 3.147	\$ 3.989	\$ 4.283	\$ 3.169	\$ 7.954	\$ 9.503	\$ 10.345	\$ 10.639	\$ 9.526	
5/1/2032	\$ 1.654	\$ 3.203	\$ 4.045	\$ 4.339	\$ 3.226	\$ 8.288	\$ 9.837	\$ 10.679	\$ 10.974	\$ 9.860	
6/1/2032	\$ 1.657	\$ 3.207	\$ 4.049	\$ 4.343	\$ 3.229	\$ 8.288	\$ 9.837	\$ 10.679	\$ 10.974	\$ 9.860	

Monthly NYMEX Price (\$/Dth)											
Date	1st Percentile No Carbon	1st Percentile Inslee Tax	1st Percentile I-1631	1st Percentile SCC 3%	1st Percentile Market Choice	99th Percentile No Carbon	99th Percentile Inslee Tax	99th Percentile I-1631	99th Percentile SCC 3%	99th Percentile Market Choice	
7/1/2032	\$ 1.666	\$ 3.216	\$ 4.058	\$ 4.352	\$ 3.238	\$ 8.678	\$ 10.227	\$ 11.069	\$ 11.363	\$ 10.250	
8/1/2032	\$ 1.689	\$ 3.238	\$ 4.080	\$ 4.375	\$ 3.261	\$ 8.634	\$ 10.183	\$ 11.025	\$ 11.319	\$ 10.206	
9/1/2032	\$ 1.676	\$ 3.226	\$ 4.067	\$ 4.362	\$ 3.248	\$ 8.589	\$ 10.138	\$ 10.980	\$ 11.274	\$ 10.161	
10/1/2032	\$ 1.634	\$ 3.184	\$ 4.025	\$ 4.320	\$ 3.206	\$ 8.497	\$ 10.047	\$ 10.888	\$ 11.183	\$ 10.069	
11/1/2032	\$ 1.747	\$ 3.297	\$ 4.139	\$ 4.433	\$ 3.319	\$ 8.904	\$ 10.454	\$ 11.295	\$ 11.590	\$ 10.476	
12/1/2032	\$ 1.880	\$ 3.429	\$ 4.271	\$ 4.566	\$ 3.452	\$ 9.124	\$ 10.674	\$ 11.515	\$ 11.810	\$ 10.696	
1/1/2033	\$ 1.850	\$ 3.399	\$ 4.395	\$ 4.587	\$ 3.453	\$ 8.749	\$ 10.298	\$ 11.294	\$ 11.486	\$ 10.352	
2/1/2033	\$ 1.780	\$ 3.329	\$ 4.325	\$ 4.517	\$ 3.383	\$ 8.482	\$ 10.032	\$ 11.028	\$ 11.220	\$ 10.086	
3/1/2033	\$ 1.706	\$ 3.256	\$ 4.252	\$ 4.444	\$ 3.310	\$ 8.301	\$ 9.851	\$ 10.846	\$ 11.039	\$ 9.905	
4/1/2033	\$ 1.578	\$ 3.127	\$ 4.123	\$ 4.315	\$ 3.181	\$ 7.386	\$ 8.935	\$ 9.931	\$ 10.123	\$ 8.989	
5/1/2033	\$ 1.691	\$ 3.240	\$ 4.236	\$ 4.428	\$ 3.294	\$ 7.400	\$ 8.950	\$ 9.946	\$ 10.138	\$ 9.004	
6/1/2033	\$ 1.671	\$ 3.220	\$ 4.216	\$ 4.408	\$ 3.274	\$ 7.272	\$ 8.821	\$ 9.817	\$ 10.009	\$ 8.875	
7/1/2033	\$ 1.702	\$ 3.252	\$ 4.247	\$ 4.440	\$ 3.306	\$ 7.285	\$ 8.835	\$ 9.830	\$ 10.022	\$ 8.889	
8/1/2033	\$ 1.736	\$ 3.285	\$ 4.281	\$ 4.473	\$ 3.340	\$ 7.361	\$ 8.910	\$ 9.906	\$ 10.098	\$ 8.965	
9/1/2033	\$ 1.680	\$ 3.229	\$ 4.225	\$ 4.417	\$ 3.283	\$ 7.334	\$ 8.883	\$ 9.879	\$ 10.071	\$ 8.937	
10/1/2033	\$ 1.711	\$ 3.261	\$ 4.256	\$ 4.448	\$ 3.315	\$ 7.623	\$ 9.173	\$ 10.168	\$ 10.360	\$ 9.227	
11/1/2033	\$ 1.705	\$ 3.254	\$ 4.250	\$ 4.442	\$ 3.308	\$ 7.756	\$ 9.306	\$ 10.302	\$ 10.494	\$ 9.360	
12/1/2033	\$ 1.760	\$ 3.309	\$ 4.305	\$ 4.497	\$ 3.363	\$ 8.054	\$ 9.603	\$ 10.599	\$ 10.791	\$ 9.657	
1/1/2034	\$ 1.750	\$ 3.300	\$ 4.453	\$ 4.539	\$ 3.386	\$ 8.314	\$ 9.863	\$ 11.016	\$ 11.103	\$ 9.949	
2/1/2034	\$ 1.624	\$ 3.173	\$ 4.326	\$ 4.412	\$ 3.259	\$ 8.339	\$ 8.888	\$ 11.041	\$ 11.128	\$ 9.974	
3/1/2034	\$ 1.603	\$ 3.153	\$ 4.306	\$ 4.392	\$ 3.239	\$ 8.201	\$ 8.751	\$ 10.904	\$ 10.990	\$ 9.837	
4/1/2034	\$ 1.459	\$ 3.008	\$ 4.162	\$ 4.248	\$ 3.095	\$ 7.496	\$ 9.045	\$ 10.198	\$ 10.284	\$ 9.131	
5/1/2034	\$ 1.548	\$ 3.098	\$ 4.251	\$ 4.337	\$ 3.184	\$ 7.721	\$ 9.270	\$ 10.424	\$ 10.510	\$ 9.357	
6/1/2034	\$ 1.585	\$ 3.135	\$ 4.288	\$ 4.374	\$ 3.221	\$ 7.533	\$ 9.082	\$ 10.235	\$ 10.322	\$ 9.168	
7/1/2034	\$ 1.558	\$ 3.108	\$ 4.261	\$ 4.347	\$ 3.194	\$ 7.906	\$ 9.455	\$ 10.608	\$ 10.695	\$ 9.541	
8/1/2034	\$ 1.600	\$ 3.150	\$ 4.303	\$ 4.389	\$ 3.236	\$ 7.824	\$ 9.374	\$ 10.527	\$ 10.613	\$ 9.460	
9/1/2034	\$ 1.492	\$ 3.041	\$ 4.194	\$ 4.281	\$ 3.128	\$ 7.548	\$ 9.098	\$ 10.251	\$ 10.337	\$ 9.184	
10/1/2034	\$ 1.432	\$ 2.982	\$ 4.135	\$ 4.221	\$ 3.068	\$ 7.754	\$ 9.304	\$ 10.457	\$ 10.543	\$ 9.390	
11/1/2034	\$ 1.460	\$ 3.009	\$ 4.163	\$ 4.249	\$ 3.096	\$ 8.183	\$ 9.732	\$ 10.885	\$ 10.972	\$ 9.818	
12/1/2034	\$ 1.504	\$ 3.053	\$ 4.206	\$ 4.293	\$ 3.139	\$ 8.854	\$ 10.403	\$ 11.556	\$ 11.643	\$ 10.489	
1/1/2035	\$ 1.551	\$ 3.101	\$ 4.414	\$ 4.392	\$ 3.219	\$ 9.003	\$ 10.552	\$ 11.866	\$ 11.843	\$ 10.671	
2/1/2035	\$ 1.523	\$ 3.072	\$ 4.386	\$ 4.363	\$ 3.191	\$ 9.352	\$ 10.902	\$ 12.215	\$ 12.193	\$ 11.021	
3/1/2035	\$ 1.465	\$ 3.015	\$ 4.328	\$ 4.306	\$ 3.134	\$ 8.885	\$ 10.435	\$ 11.748	\$ 11.726	\$ 10.554	
4/1/2035	\$ 1.407	\$ 2.956	\$ 4.270	\$ 4.248	\$ 3.075	\$ 8.213	\$ 9.762	\$ 11.076	\$ 11.053	\$ 9.881	
5/1/2035	\$ 1.518	\$ 3.068	\$ 4.381	\$ 4.359	\$ 3.187	\$ 8.394	\$ 9.943	\$ 11.257	\$ 11.234	\$ 10.062	
6/1/2035	\$ 1.508	\$ 3.057	\$ 4.371	\$ 4.348	\$ 3.176	\$ 8.438	\$ 9.988	\$ 11.301	\$ 11.279	\$ 10.106	
7/1/2035	\$ 1.476	\$ 3.025	\$ 4.339	\$ 4.317	\$ 3.144	\$ 8.326	\$ 9.876	\$ 11.189	\$ 11.167	\$ 9.994	
8/1/2035	\$ 1.529	\$ 3.078	\$ 4.392	\$ 4.369	\$ 3.197	\$ 8.454	\$ 10.004	\$ 11.317	\$ 11.295	\$ 10.123	
9/1/2035	\$ 1.516	\$ 3.066	\$ 4.379	\$ 4.357	\$ 3.184	\$ 8.202	\$ 9.751	\$ 11.065	\$ 11.042	\$ 9.870	
10/1/2035	\$ 1.508	\$ 3.058	\$ 4.371	\$ 4.349	\$ 3.176	\$ 8.627	\$ 10.176	\$ 11.490	\$ 11.468	\$ 10.295	
11/1/2035	\$ 1.565	\$ 3.114	\$ 4.428	\$ 4.405	\$ 3.233	\$ 8.407	\$ 9.956	\$ 11.270	\$ 11.247	\$ 10.075	
12/1/2035	\$ 1.712	\$ 3.261	\$ 4.575	\$ 4.552	\$ 3.380	\$ 8.518	\$ 10.067	\$ 11.381	\$ 11.358	\$ 10.186	
1/1/2036	\$ 1.702	\$ 3.252	\$ 4.729	\$ 4.595	\$ 3.404	\$ 8.525	\$ 10.074	\$ 11.552	\$ 11.417	\$ 10.226	
2/1/2036	\$ 1.694	\$ 3.243	\$ 4.721	\$ 4.586	\$ 3.395	\$ 8.649	\$ 10.198	\$ 11.676	\$ 11.541	\$ 10.351	
3/1/2036	\$ 1.613	\$ 3.163	\$ 4.640	\$ 4.506	\$ 3.315	\$ 8.871	\$ 10.420	\$ 11.898	\$ 11.763	\$ 10.572	
4/1/2036	\$ 1.466	\$ 3.015	\$ 4.493	\$ 4.358	\$ 3.167	\$ 8.195	\$ 9.745	\$ 11.222	\$ 11.087	\$ 9.897	
5/1/2036	\$ 1.530	\$ 3.079	\$ 4.557	\$ 4.422	\$ 3.231	\$ 8.531	\$ 10.080	\$ 11.558	\$ 11.423	\$ 10.232	
6/1/2036	\$ 1.594	\$ 3.144	\$ 4.621	\$ 4.487	\$ 3.296	\$ 8.671	\$ 10.220	\$ 11.698	\$ 11.563	\$ 10.372	
7/1/2036	\$ 1.556	\$ 3.105	\$ 4.583	\$ 4.448	\$ 3.258	\$ 8.711	\$ 10.260	\$ 11.738	\$ 11.603	\$ 10.412	
8/1/2036	\$ 1.473	\$ 3.023	\$ 4.500	\$ 4.366	\$ 3.175	\$ 8.889	\$ 10.439	\$ 11.916	\$ 11.782	\$ 10.591	
9/1/2036	\$ 1.416	\$ 2.966	\$ 4.443	\$ 4.309	\$ 3.118	\$ 8.941	\$ 10.490	\$ 11.968	\$ 11.833	\$ 10.642	
10/1/2036	\$ 1.409	\$ 2.958	\$ 4.436	\$ 4.301	\$ 3.110	\$ 9.279	\$ 10.828	\$ 12.306	\$ 12.171	\$ 10.981	
11/1/2036	\$ 1.431	\$ 2.980	\$ 4.458	\$ 4.323	\$ 3.132	\$ 9.420	\$ 10.970	\$ 12.447	\$ 12.313	\$ 11.122	
12/1/2036	\$ 1.463	\$ 3.012	\$ 4.490	\$ 4.355	\$ 3.164	\$ 10.166	\$ 11.716	\$ 13.193	\$ 13.058	\$ 11.868	
1/1/2037	\$ 1.510	\$ 3.060	\$ 4.705	\$ 4.454	\$ 3.246	\$ 10.178	\$ 11.727	\$ 13.372	\$ 13.121	\$ 11.913	
2/1/2037	\$ 1.509	\$ 3.058	\$ 4.703	\$ 4.452	\$ 3.244	\$ 9.501	\$ 11.050	\$ 12.695	\$ 12.445	\$ 11.237	
3/1/2037	\$ 1.448	\$ 2.997	\$ 4.642	\$ 4.392	\$ 3.184	\$ 9.065	\$ 10.614	\$ 12.259	\$ 12.009	\$ 10.801	
4/1/2037	\$ 1.438	\$ 2.988	\$ 4.633	\$ 4.382	\$ 3.174	\$ 8.555	\$ 10.105	\$ 11.750	\$ 11.499	\$ 10.291	
5/1/2037	\$ 1.463	\$ 3.012	\$ 4.657	\$ 4.406	\$ 3.198	\$ 8.913	\$ 10.462	\$ 12.107	\$ 11.856	\$ 10.648	
6/1/2037	\$ 1.476	\$ 3.026	\$ 4.671	\$ 4.420	\$ 3.212	\$ 9.011	\$ 10.560	\$ 12.205	\$ 11.955	\$ 10.747	
7/1/2037	\$ 1.497	\$ 3.047	\$ 4.692	\$ 4.441	\$ 3.233	\$ 9.321	\$ 10.870	\$ 12.515	\$ 12.265	\$ 11.056	
8/1/2037	\$ 1.524	\$ 3.074	\$ 4.719	\$ 4.468	\$ 3.260	\$ 9.577	\$ 11.127	\$ 12.772	\$ 12.521	\$ 11.313	
9/1/2037	\$ 1.494	\$ 3.043	\$ 4.688	\$ 4.437	\$ 3.229	\$ 9.291	\$ 10.841	\$ 12.486	\$ 12.235	\$ 11.027	
10/1/2037	\$ 1.551	\$ 3.100	\$ 4.745	\$ 4.494	\$ 3.286	\$ 9.104	\$ 10.653	\$ 12.298	\$ 12.048	\$ 10.839	
11/1/2037	\$ 1.509	\$ 3.058	\$ 4.703	\$ 4.452	\$ 3.244	\$ 9.260	\$ 10.810	\$ 12.455	\$ 12.204	\$ 10.996	
12/1/2037	\$ 1.531	\$ 3.080	\$ 4.725	\$ 4.474	\$ 3.266	\$ 9.950	\$ 11.499	\$ 13.145	\$ 12.894	\$ 11.686	
1/1/2038	\$ 1.522	\$ 3.072	\$ 4.888	\$ 4.518	\$ 3.293	\$ 9.902	\$ 11.451	\$ 13.267	\$ 12.897	\$ 11.672	
2/1/2038	\$ 1.551	\$ 3.101	\$ 4.917	\$ 4.547	\$ 3.321	\$ 9.464	\$ 11.014	\$ 12.830	\$ 12.460	\$ 11.235	
3/1/2038	\$ 1.463	\$ 3.012	\$ 4.828	\$ 4.458	\$ 3.233	\$ 9.728	\$ 11.277	\$ 13.094	\$ 12.724	\$ 11.498	
4/1/2038	\$ 1.388	\$ 2.938	\$ 4.754	\$ 4.384	\$ 3.159	\$ 9.202	\$ 10.751	\$ 12.567	\$ 12.197	\$ 10.972	
5/1/2038	\$ 1.436	\$ 2.985	\$ 4.802	\$ 4.432	\$ 3.206	\$ 9.799	\$ 11.348	\$ 13.164	\$ 12.794	\$ 11.569	
6/1/2038	\$ 1.504	\$ 3.053	\$ 4.869	\$ 4.499	\$ 3.274	\$ 9.462	\$ 11.012	\$ 12.828	\$ 12.458	\$ 11.232	
7/1/2038	\$ 1.544	\$ 3.094	\$ 4.910	\$ 4.540	\$ 3.315	\$ 10.228	\$ 11.777	\$ 13.593	\$ 13.223	\$ 11.998	
8/1/2038	\$ 1.568	\$ 3.118	\$ 4.934	\$ 4.564	\$ 3.339	\$ 10.181	\$ 11.730	\$ 13.546	\$ 13.176	\$ 11.951	
9/1/2038	\$ 1.514	\$ 3.063	\$ 4.879	\$ 4.509	\$ 3.284	\$ 9.915	\$ 11.464	\$ 13.280	\$ 12.910	\$ 11.685	
10/1/2038	\$ 1.584	\$ 3.133	\$ 4.949	\$ 4.579	\$ 3.354	\$ 9.822	\$ 11.371	\$ 13.187	\$ 12.817	\$ 11.592	
11/1/2038	\$ 1.560	\$ 3.109	\$ 4.925	\$ 4.555	\$ 3.330	\$ 9.926	\$ 11.475	\$ 13.291	\$ 12.921	\$ 11.696	
12/1/2038	\$ 1.585	\$ 3.135	\$ 4.951	\$ 4.581	\$ 3.356	\$ 10.452	\$ 12.001	\$ 13.817	\$ 13.447	\$ 12.222	