

GRAND HAVEN BOARD OF LIGHT & POWER

U-16613

SUBMITTAL OF RENEWABLE ENERGY PLAN

FEBRUARY 2025

In accordance with MCL 460.1022 and the Michigan Public Service Commission's Order issued on February 8, 2024, in Case No. U-21568, Grand Haven Board of Light & Power hereby submits the attached Renewable Energy Plan ("REP") for 2025-2045, which it believes fully satisfies its filing requirements under MCL 460.1022.

Respectfully submitted,

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By: _____

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Dated: February 25, 2025

**2025-2045 MUNICIPAL UTILITY
PA 235 RENEWABLE ENERGY PLAN SUMMARY**

GRAND HAVEN

Row #		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
1	Sales and Requirement Calculation										
2	Method: Weather Normalized or 3 Year Average										
3	If Selected Weather Normalized:										
4	Current Year Sales to Retail Customers										
5	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy										
6	Current Year Weather Normalization Factor										
7	Less VGP Sales										
8	Less Outflow from DG Customers										
9	Current Year Weather Normalized Sales										
10	If Selected 3 Year Average:										
11	Current Year Retail Sales to Retail Customers	281,678	281,938	282,235	282,558	282,893	283,238	283,593	283,954	284,342	284,745
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy	-	-	-	-	-	-	-	-	-	-
13	Less VGP Sales	304	304	304	304	304	304	304	304	304	304
14	Less Outflow from DG Customers	122	122	122	122	122	122	122	122	122	122
15	3 Year Average of Retail Sales	280,247	278,297	279,539	281,950	282,244	282,562	282,896	283,241	283,595	283,963
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	279,821	277,871	279,113	281,524	281,818	282,136	282,470	282,815	283,169	283,537
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	41,973	41,681	41,867	42,229	42,273	141,068	141,235	141,408	141,584	141,769
19	Energy Credits										
20	Energy Credit Beginning Balance	125,181	165,996	211,213	285,966	353,820	421,390	389,948	388,359	381,136	390,119
21	Energy Credits Obtained Through Generation/BOT	-	-	-	-	-	-	-	-	-	-
22	Energy Credits Obtained Through PPA	82,788	86,898	88,927	82,391	82,150	81,933	111,954	106,492	122,875	122,312
23	Energy Credits Obtained Through REC Purchases	4,123	4,123	31,554	28,517	28,517	28,517	28,517	28,517	28,517	28,245
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	86,911	91,020	120,481	110,908	110,667	110,450	140,471	135,009	151,392	150,557
25	Less: Energy Credits Sold	4,123	4,123	3,861	825	825	824	825	825	825	552
26	Available Energy Credits (Row 20 + 24 - 25)	207,969	252,893	327,832	396,049	463,663	531,016	529,594	522,544	531,703	540,123
27	Compliance Requirement (Row 18)	41,973	41,681	41,867	42,229	42,273	141,068	141,235	141,408	141,584	141,769
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	165,996	211,213	285,966	353,820	421,390	389,948	388,359	381,136	390,119	398,355

**2025-2045 MUNICIPAL UTILITY
PA 235 RENEWABLE ENERGY PLAN SUMMARY**

GRAND HAVEN

Row #		2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
1	Sales and Requirement Calculation											
2	Method: Weather Normalized or 3 Year Average											
3	If Selected Weather Normalized:											
4	Current Year Sales to Retail Customers											
5	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy											
6	Current Year Weather Normalization Factor											
7	Less VGP Sales											
8	Less Outflow from DG Customers											
9	Current Year Weather Normalized Sales											
10	If Selected 3 Year Average:											
11	Current Year Retail Sales to Retail Customers	285,154	285,568	285,005	285,903	286,306	286,704	287,097	287,490	287,872	288,255	288,251
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy	-	-	-	-	-	-	-	-	-	-	-
13	Less VGP Sales	304	304	304	304	304	304	304	304	304	304	304
14	Less Outflow from DG Customers	122	122	122	122	122	122	122	122	122	122	122
15	3 Year Average of Retail Sales	284,347	284,747	285,156	285,242	285,492	285,738	286,304	286,703	287,097	287,487	287,872
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	283,921	284,321	284,730	284,816	285,066	285,312	285,878	286,277	286,671	287,061	287,446
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	170,353	170,593	170,838	170,890	171,040	171,187	171,527	171,766	172,003	172,236	172,468
19	Energy Credits											
20	Energy Credit Beginning Balance	398,355	395,538	364,531	349,589	334,229	318,354	311,077	302,876	313,071	322,573	330,596
21	Energy Credits Obtained Through Generation/BOT	-	-	-	-	-	-	-	-	-	-	-
22	Energy Credits Obtained Through PPA	139,844	139,585	155,896	155,530	155,165	163,910	163,325	181,961	181,505	180,259	175,795
23	Energy Credits Obtained Through REC Purchases	27,692	-	-	-	-	-	-	-	-	-	-
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	167,536	139,585	155,896	155,530	155,165	163,910	163,325	181,961	181,505	180,259	175,795
25	Less: Energy Credits Sold	-	-	-	-	-	-	-	-	-	-	-
26	Available Energy Credits (Row 20 + 24 - 25)	565,891	535,123	520,427	505,119	489,394	482,265	474,403	484,837	494,576	502,832	506,391
27	Compliance Requirement (Row 18)	170,353	170,593	170,838	170,890	171,040	171,187	171,527	171,766	172,003	172,236	172,468
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	395,538	364,531	349,589	334,229	318,354	311,077	302,876	313,071	322,573	330,596	333,923