

LANSING BOARD OF WATER & LIGHT

U-16619

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, Lansing Board of Water & Light 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,

DICKINSON WRIGHT PLLC
Attorneys for Lansing Board of Water &
Light

By: _____
Nolan J. Moody (P77959)

Business Address:
123 W. Allegan Street, Suite 900
Lansing, MI 48933-1816
Telephone: (517) 371-1730

Dated: February 25, 2025

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

LANSING BOARD OF WATER & LIGHT - CASE # U-16619

Row #		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
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	2,143,911	2,275,432	2,568,868	2,701,854	2,716,296	2,730,690	2,745,085	2,759,339	2,774,014	2,788,694	2,807,658
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy											
13	Less VGP Sales	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
14	Less Outflow from DG Customers	2,884	3,443	3,749	4,102	4,508	4,975	5,513	6,133	6,846	7,666	8,611
15	3 Year Average of Retail Sales	2,093,014	2,169,097	2,329,404	2,515,385	2,662,340	2,716,280	2,730,690	2,745,038	2,759,479	2,774,016	2,790,122
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	2,050,130	2,125,655	2,285,654	2,471,283	2,617,832	2,671,305	2,685,177	2,698,905	2,712,634	2,726,349	2,741,511
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	307,519	318,848	342,848	370,692	392,675	1,335,652	1,342,588	1,349,453	1,356,317	1,363,175	1,644,907
19	Energy Credits											
20	Energy Credit Beginning Balance	1,043,468	1,252,436	1,468,651	1,947,366	2,591,191	3,211,937	2,891,279	2,566,607	2,237,648	1,896,056	1,546,445
21	Energy Credits Obtained Through Generation/BOT	2,412	22,034	68,061	67,897	67,744	67,588	67,439	67,287	67,124	66,487	66,332
22	Energy Credits Obtained Through PPA	554,075	553,029	793,502	986,620	985,677	987,407	990,477	993,207	987,601	987,077	954,177
23	Energy Credits Obtained Through REC Purchases	-	-	-	-	-	-	-	-	-	-	-
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	556,487	575,063	861,563	1,054,517	1,053,421	1,054,995	1,057,916	1,060,494	1,054,725	1,053,564	1,020,509
25	Less: Energy Credits Sold	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
26	Available Energy Credits (Row 20 + 24 - 25)	1,559,955	1,787,499	2,290,214	2,961,883	3,604,612	4,226,931	3,909,195	3,587,101	3,252,373	2,909,620	2,526,954
27	Compliance Requirement (Row 18)	307,519	318,848	342,848	370,692	392,675	1,335,652	1,342,588	1,349,453	1,356,317	1,363,175	1,644,907
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	1,252,436	1,468,651	1,947,366	2,591,191	3,211,937	2,891,279	2,566,607	2,237,648	1,896,056	1,546,445	882,047

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

LANSING BOARD OF WATER & LIGHT - CASE # U-16619

Row #		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	2,818,254	2,833,313	2,848,220	2,863,143	2,877,880	2,892,813	2,907,584	2,922,298	2,936,768	2,951,407
12	Less Number of Megawatt Hours Sold from Michigan Nuclear Energy										
13	Less VGP Sales	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
14	Less Outflow from DG Customers	9,699	10,951	12,392	14,051	15,961	18,159	20,690	23,603	26,957	30,818
15	3 Year Average of Retail Sales	2,804,869	2,819,742	2,833,262	2,848,225	2,863,081	2,877,945	2,892,759	2,907,565	2,922,217	2,936,824
16	RECs Reported to Provider Subject to Section 29(4)	-	-	-	-	-	-	-	-	-	-
17	MWh Electricity Sold for PA-235 Compliance Requirement (Row 15 - 13 - 14 - 16)	2,755,170	2,768,791	2,780,871	2,794,175	2,807,121	2,819,786	2,832,069	2,843,962	2,855,260	2,866,007
18	RPS Required Energy Credits (Row 17 * Compliance Factor) (Compliance Factors: 2025-2029 = 15%, 2030-2034 = 50%, 2035+ = 60%)	1,653,102	1,661,275	1,668,522	1,676,505	1,684,272	1,691,872	1,699,241	1,706,377	1,713,156	1,719,604
19	Energy Credits										
20	Energy Credit Beginning Balance	882,047	982,621	1,071,560	1,147,919	1,212,849	1,265,883	1,112,114	952,871	724,435	423,996
21	Energy Credits Obtained Through Generation/BOT	66,181	66,029	65,877	65,725	65,574	65,422	65,274	65,122	64,973	64,826
22	Energy Credits Obtained Through PPA	1,727,495	1,724,185	1,719,004	1,715,710	1,711,733	1,512,680	1,514,724	1,452,819	1,387,743	1,362,332
23	Energy Credits Obtained Through REC Purchases	-	-	-	-	-	-	-	-	-	-
24	Plus: Energy Credits Obtained (Row 21 + 22 + 23)	1,793,676	1,790,214	1,784,881	1,781,435	1,777,307	1,578,102	1,579,998	1,517,941	1,452,716	1,427,158
25	Less: Energy Credits Sold	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
26	Available Energy Credits (Row 20 + 24 - 25)	2,635,723	2,732,835	2,816,441	2,889,354	2,950,155	2,803,985	2,652,112	2,430,812	2,137,152	1,811,155
27	Compliance Requirement (Row 18)	1,653,102	1,661,275	1,668,522	1,676,505	1,684,272	1,691,872	1,699,241	1,706,377	1,713,156	1,719,604
28	Less: Energy Credit Expiration	-	-	-	-	-	-	-	-	-	-
29	Energy Credit Ending Balance (Row 26 - 27 - 28)	982,621	1,071,560	1,147,919	1,212,849	1,265,883	1,112,114	952,871	724,435	423,996	91,551