

County Index of Michigan Landfill Gas Potential

County Index of Total Landfill Potential

Upper Peninsula

County	Waste in Place	MW Capacity
Alger	0	0
Baraga	0	0
Chippewa	0	0
Delta	0	0
Dickinson	0	0
Gogebic	0	0
Houghton	0	0
Iron	0	0
Keweenaw	0	0
Luce	0	0
Mackinac	0	0
Marquette	0	0
Menominee	1500000	1.5
Ontonagon	850000	1.1
Schoolcraft	0	0
Total Upper Peninsula	2350000	2.6

DTE Energy Service Area

County	Waste in Place	MW Capacity
Lapeer	0	0
Livingston	0	0
Macomb	5000000	4
Monroe	1000000	1.2
Oakland	1000000	4.5
	5700000	3.9
	3000000	2.3
Sanilac	0	0
St. Clair	2880000	2.3
Tuscola	0	0
Washtenaw	2740000	1.6
	25000000	17.4
Wayne	1000000	6.4
	13600000	8
	1000000	0.1
	1000000	1.5
	15000000	6.6
	3000000	2.3
	2944975	2.3
	6295758	4.2
	13800000	8.4
	1000000	1.2
Total DTE	104960733	78.2

Consumers Energy Service Area

County	Waste in Place	MW Capacity
Alcona	0	0
Alpena	0	0
Allegan	0	0
Antrim	0	0
Arenac	0	0
Barry	0	0
Bay	1868900	1.7
Benzie	0	0
Berrien	5101348	3.5
	2794000	2.2
	1055251	1.2
Branch	0	0
Calhoun	3876300	2.7
Cass	0	0
Charlevoix	0	0
Cheboygan	0	0
Clare	12600000	1.3
Clinton	4300000	4
Crawford	867692	1.1
Eaton	0	0
Emmet	0	0
Genesee	1000000	1.6
	4000000	3.2
	2000000	2.4
	1200000	0.8
Gladwin	0	0
Grand Traverse	0	0
Gratiot	0	0
Hillsdale	0	0
Houghton	0	0
Huron	462000	0.9
Ingham	4000000	3.2
Ionia	0	0
Iosca	0	0
Isabella	0	0
Jackson	0	0
Kalamazoo	0	0
Kalkaska	0	0
Kent	2850000	2.2
Lake	0	0
Leelanau	661743	1
Lenawee	1000000	2.4
Manistee	912000	1.1
Mason	0	0
Mecosta	0	0
Midland	1100000	1.3
Missaukee	0	0
Montmorency	0	0
Montcalm	1620000	1.5
Muskegon	2300000	0.8
	2300000	0.2

	1360000	1.4
Newaygo	0	0
Oceana	0	0
Ogemaw	0	0
Osceola	0	0
Oscoda	0	0
Otsego	0	0
Ottawa	9000000	4.8
	3000000	2.3
Presque Isle	0	0
Roscommon	0	0
Saginaw	1000000	0.8
	1440000	1.4
Shiawasee	4000000	0.8
	4000000	1.6
St. Joseph	3000000	2.3
VanBuren	0	0
Wexford	0	0
Total Consumers	73329234	55.7

Source: LMOP Landfill / Project Database

Service Area	Waste in Place	MW Capacity
Upper Peninsula	2350000	2.6
DTE Energy Service Area	104960733	78.2
Consumers Energy Service Area	73329234	55.7
Total Michigan	180639967	136.5

Source: LMOP Landfill / Project Database

Upper Peninsula

Year	MW Capacity
1	2.6
2	2.61
3	2.73
4	2.87
5	3.01
6	3.16
7	3.32
8	3.48
9	3.66
10	3.84

DTE

Year	MW Capacity
1	78.2
2	80.71
3	84.75
4	89
5	93.43
6	98.1
7	103
8	108.16
9	113.56
10	119.24

Consumers

Year	MW Capacity
1	55.7
2	57.16
3	60.02
4	63.02
5	66.17
6	69.49
7	72.96
8	76.61
9	80.44
10	84.46

Total Michigan

Year	MW Capacity
1	136.5
2	140.47
3	147.53
4	154.87
5	162.61
6	170.77
7	179.28
8	188.24
9	197.66
10	207.54

County Index of Total Operational Landfill Potential

Upper Peninsula

County	Waste in Place	MW Capacity
Alger	0	0
Baraga	0	0
Chippewa	0	0
Delta	0	0
Dickinson	0	0
Gogebic	0	0
Houghton	0	0
Iron	0	0
Keweenaw	0	0
Luce	0	0
Mackinac	0	0
Marquette	0	0
Menominee	0	0
Ontonagon	0	0
Schoolcraft	0	0
Total Upper Peninsula	0	0

DTE Energy Service Area

County	Waste in Place	MW Capacity
Lapeer	0	0
Livingston	0	0
Macomb	5000000	4
Monroe	0	0
Oakland	1000000	4.5
Sanilac	0	0
St. Clair	0	0
Tuscola	0	0
Washtenaw	2740000	1.6
	25000000	17.4
Wayne	1000000	6.4
	13600000	8
	1000000	0.1
	1000000	1.5
	15000000	6.6
Total DTE	65340000	50.1

Consumers Energy Service Area

County	Waste in Place	MW Capacity
Alcona	0	0
Alpena	0	0
Allegan	0	0
Antrim	0	0
Arenac	0	0
Barry	0	0
Bay	0	0
Benzie	0	0
Berrien	0	0
Branch	0	0
Calhoun	3876300	2.7
Cass	0	0
Charlevoix	0	0
Cheboygan	0	0
Clare	0	0
Clinton	4300000	4
Crawford	0	0
Eaton	0	0
Emmet	0	0
Genesee	1000000	1.6
	4000000	3.2
	2000000	2.4
	1200000	0.8
Gladwin	0	0
Grand Traverse	0	0
Gratiot	0	0
Hillsdale	0	0
Houghton	0	0
Huron	0	0
Ingham	4000000	3.2
Ionia	0	0
Iosca	0	0
Isabella	0	0
Jackson	0	0
Kalamazoo	0	0
Kalkaska	0	0
Kent	0	0
Lake	0	0
Leelanau	0	0
Lenawee	1000000	2.4
Manistee	0	0
Mason	0	0
Mecosta	0	0
Midland	0	0
Missaukee	0	0
Montmorency	0	0
Montcalm	0	0
Muskegon	2300000	0.8
	2300000	0.2
Newaygo	0	0
Oceana	0	0

Ogemaw	0	0
Osceola	0	0
Oscoda	0	0
Otsego	0	0
Ottawa	9000000	4.8
Presque Isle	0	0
Roscommon	0	0
Saginaw	1000000	0.8
Shiawasee	4000000	0.8
	4000000	1.6
St. Joseph	0	0
VanBuren	0	0
Wexford	0	0
Total Consumers	43976300	29.3

Source: LMOP Landfill / Project Database

Service Area	Waste in Place	MW Capacity
Upper Peninsula	0	0
DTE Energy Service Area	65340000	50.1
Consumers Energy Service Area	43976300	29.3
Total Michigan	109316300	79.4

Source: LMOP Landfill / Project Database

Upper Peninsula Operational

Year	MW Capacity
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0

DTE Operational

Year	MW Capacity
1	50.1
2	52.61
3	55.24
4	58
5	60.9
6	63.94
7	67.14
8	70.5
9	74.02
10	77.72

Consumers Operational

Year	MW Capacity
1	29.3
2	30.76
3	32.3
4	33.92
5	35.61
6	37.4
7	39.27
8	41.23
9	43.29
10	45.45

Total Michigan Operational

Year	MW Capacity
1	79.4
2	83.37
3	87.53
4	91.92
5	96.51
6	101.36
7	106.4
8	111.72
9	117.31
10	123.18

County Index of Total Candidate Landfill Potential

Upper Peninsula

County	Waste in Place	MW Capacity
Alger	0	0
Baraga	0	0
Chippewa	0	0
Delta	0	0
Dickinson	0	0
Gogebic	0	0
Houghton	0	0
Iron	0	0
Keweenaw	0	0
Luce	0	0
Mackinac	0	0
Marquette	0	0
Menominee	1500000	1.5
Ontonagon	850000	1.1
Schoolcraft	0	0
Total Upper Peninsula	2350000	2.6

DTE Energy Service Area

County	Waste in Place	MW Capacity
Lapeer	0	0
Livingston	0	0
Macomb	0	0
Monroe	1000000	1.2
Oakland	5700000	3.9
	3000000	2.3
Sanilac	0	0
St. Clair	2880000	2.3
Tuscola	0	0
Washtenaw	0	0
Wayne	3000000	2.3
	2944975	2.3
	6295758	4.2
	13800000	8.4
	1000000	1.2
Total DTE	39620733	28.1

Consumers Energy Service Area

County	Waste in Place	MW Capacity
Alcona	0	0
Alpena	0	0
Allegan	0	0
Antrim	0	0
Arenac	0	0
Barry	0	0
Bay	1868900	1.7
Benzie	0	0
Berrien	5101348	3.5
	2794000	2.2
	1055251	1.2
Branch	0	0
Calhoun	0	0
Cass	0	0
Charlevoix	0	0
Cheboygan	0	0
Clare	1260000	1.3
Clinton	0	0
Crawford	867692	1.1
Eaton	0	0
Emmet	0	0
Genesee	0	0
Gladwin	0	0
Grand Traverse	0	0
Gratiot	0	0
Hillsdale	0	0
Houghton	0	0
Huron	462000	0.9
Ingham	0	0
Ionia	0	0
Iosca	0	0
Isabella	0	0
Jackson	0	0
Kalamazoo	0	0
Kalkaska	0	0
Kent	2850000	2.2
Lake	0	0
Leelanau	661743	1
Lenawee	0	0
Manistee	912000	1.1
Mason	0	0
Mecosta	0	0
Midland	1100000	1.3
Missaukee	0	0
Montmorency	0	0
Montcalm	1620000	1.5
Muskegon	1360000	1.4
Newaygo	0	0
Oceana	0	0
Ogemaw	0	0
Osceola	0	0

Oscoda	0	0
Otsego	0	0
Ottawa	3000000	2.3
Presque Isle	0	0
Roscommon	0	0
Saginaw	1440000	1.4
Shiawasee	0	0
St. Joseph	3000000	2.3
VanBuren	0	0
Wexford	0	0
Total Consumers	29352934	26.4

Source: LMOP Landfill / Project Database

Service Area	Waste in Place	MW Capacity
Upper Peninsula	2350000	2.6
DTE Energy Service Area	39620733	28.1
Consumers Energy Service Area	29352934	26.4
Total Michigan	71323667	57.1

Source: LMOP Landfill / Project Database

Upper Peninsula Candidate

Year	MW Capacity
1	2.6
2	2.6
3	2.73
4	2.87
5	3.01
6	3.16
7	3.32
8	3.48
9	3.66
10	3.84

DTE Candidate

Year	MW Capacity
1	28.1
2	28.1
3	29.51
4	31
5	32.53
6	34.16
7	35.86
8	37.66
9	39.54
10	41.52

Consumers Candidate

Year	MW Capacity
1	26.4
2	26.4
3	27.72
4	29.1
5	30.56
6	32.09
7	33.69
8	35.38
9	37.15
10	39.01

Total Michigan Candidate

Year	MW Capacity
1	57.1
2	57.1
3	60
4	62.95
5	66.1
6	69.41
7	72.88
8	76.52
9	80.35
10	84.36