

State of Illinois  
JB Pritzker, Governor

Illinois Environmental Protection Agency  
John J. Kim, Director



# Illinois Landfill Disposal Capacity Report



June 2023

## Introduction

Pursuant to Section 4 of the Illinois Solid Waste Management Act, the Illinois Environmental Protection Agency (Illinois EPA) has prepared this report reflecting the available disposal capacity of permitted landfills in Illinois and the estimated life expectancy of those landfills. This report identifies the cumulative remaining disposal capacity and landfill life expectancy for the State as a whole, for each of the seven Illinois EPA administrative regions of the State, and for each individual active permitted landfill.

The data contained in this report are based upon information each permitted landfill is required to report to the Illinois EPA annually; specifically the volume of solid waste accepted by a landfill during the calendar year and the remaining disposal capacity of the landfill as of January 1 of the following year. Permitted landfills report capacity in terms of historic permitting data and the remaining capacity based on the volume of waste currently in place at the facility. Previous reports used historic permitting data when determining landfill life expectancy. However, this report uses the in-place capacity, which is the landfill capacity after accepted waste has compacted. This figure is a more accurate reflection of existing conditions at each facility. Permitted landfills also report disposal volume in terms of the volume of waste at the time it is accepted and the volume after it is compacted on the active face of the facility. Both are included in this report. Previous reports used the volume of waste at the gate to determine landfill life expectancy. This report uses the in-place disposal volume for determining landfill life expectancy because it parallels the methodology for determining the remaining capacity. As in previous reports, the projected life expectancy of each landfill is determined by dividing the landfill's reported disposal capacity by the landfill's average annual disposal rate for the last five years.

## Permitted Statewide Disposal Capacity

During calendar year 2022, Illinois' 36 permitted landfills located within 7 regions reported receiving a total of 42,880,375 cubic yards of solid waste at the gate. This equates to 17,812,887 in-place cubic yards after compaction. These landfills have a remaining combined available disposal capacity of 420,302,975 in-place cubic yards. At the average in-place disposal rate over the past five years, these landfills will have a cumulative life expectancy of approximately 19 years. However, cumulative landfill capacity and life expectancy may vary year-to-year based on a number of factors, including waste disposal rates, landfill expansion, and the construction of new landfills.



## Landfill Capacity and Disposal Volume by Region

The Illinois EPA divides the State into seven administrative regions. These regions have various numbers of landfills, disposal rates, landfill capacities, and landfill life expectancies. The table identifies this information on a regional basis.

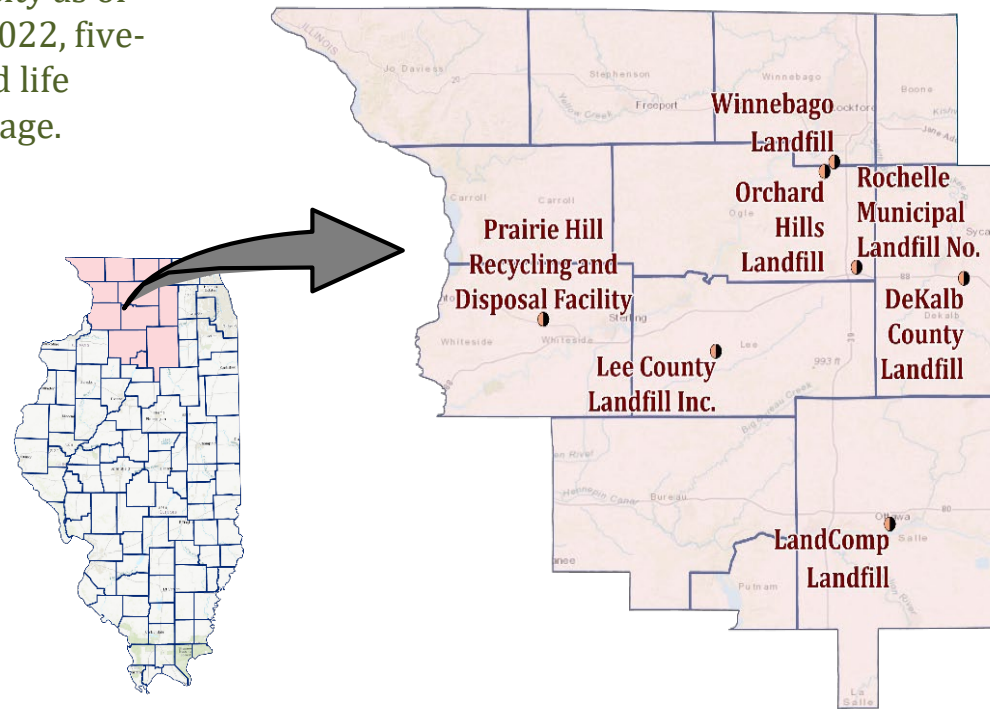
The regional life expectancy figures are intended only for informational purposes. The regional data should not be understood to reflect the maximum life expectancy of landfills that serve those areas, as many landfills serve numerous areas of the state.

	Disposal Volume Reported (Gate cy)	Disposal Volume (Post-Compaction In-place cy)	Five-Year Average Disposal Volume (In-place cy)	Remaining Capacity Reported (In-place cy)	Lifetime Expectancy (Year)
<b>Region 1: Northwestern Illinois</b>	12,643,812	5,662,344	6,521,572	121,847,760	19
<b>Region 2: Chicago Metropolitan</b>	9,577,256	3,696,897	3,246,941	18,624,324	5
<b>Region 3: Peoria/Quad Cities</b>	5,755,988	2,905,930	2,411,316	43,327,976	15
<b>Region 4: East Central Illinois</b>	6,721,529	2,539,587	2,336,998	66,075,353	26
<b>Region 5: West Central Illinois</b>	2,033,204	660,516	705,804	17,405,238	26
<b>Region 6: St. Louis Metropolitan East</b>	4,339,119	1,446,373	2,199,232	33,783,931	15
<b>Region 7: Southern Illinois</b>	1,809,467	901,240	874,847	37,729,971	42
<b>Totals:</b>	<b>42,880,375</b>	<b>17,812,887</b>	<b>2,613,816</b>	<b>338,794,553</b>	<b>19</b>

# 2022 Landfill Capacity Information

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<b>Region 1: Northwestern Illinois</b>					
DeKalb County Landfill	2,528,153	902,912	866,103	22,802,751	26
LandComp Landfill	679,578	242,706	371,300	6,593,681	18
Lee County Landfill Inc.	753,087	376,544	366,422	26,230,761	72
Orchard Hills Landfill	2,135,058	566,328	1,490,298	7,820,684	5
Prairie Hill Recycling and Disposal Facility	605,795	225,203	353,580	14,449,599	41
Rochelle Municipal Landfill No.	147,563	129,441	122,783	7,398,108	60
Winnebago Landfill	5,794,578	3,219,210	2,951,086	36,552,176	12
	<b>12,643,812</b>	<b>5,662,344</b>	<b>6,521,572</b>	<b>121,847,760</b>	<b>19</b>

The table reflects each landfill's reported capacity as of January 1, 2023, volume of waste disposed in 2022, five-year average of volume disposed, and projected life expectancy based on the current five-year average.



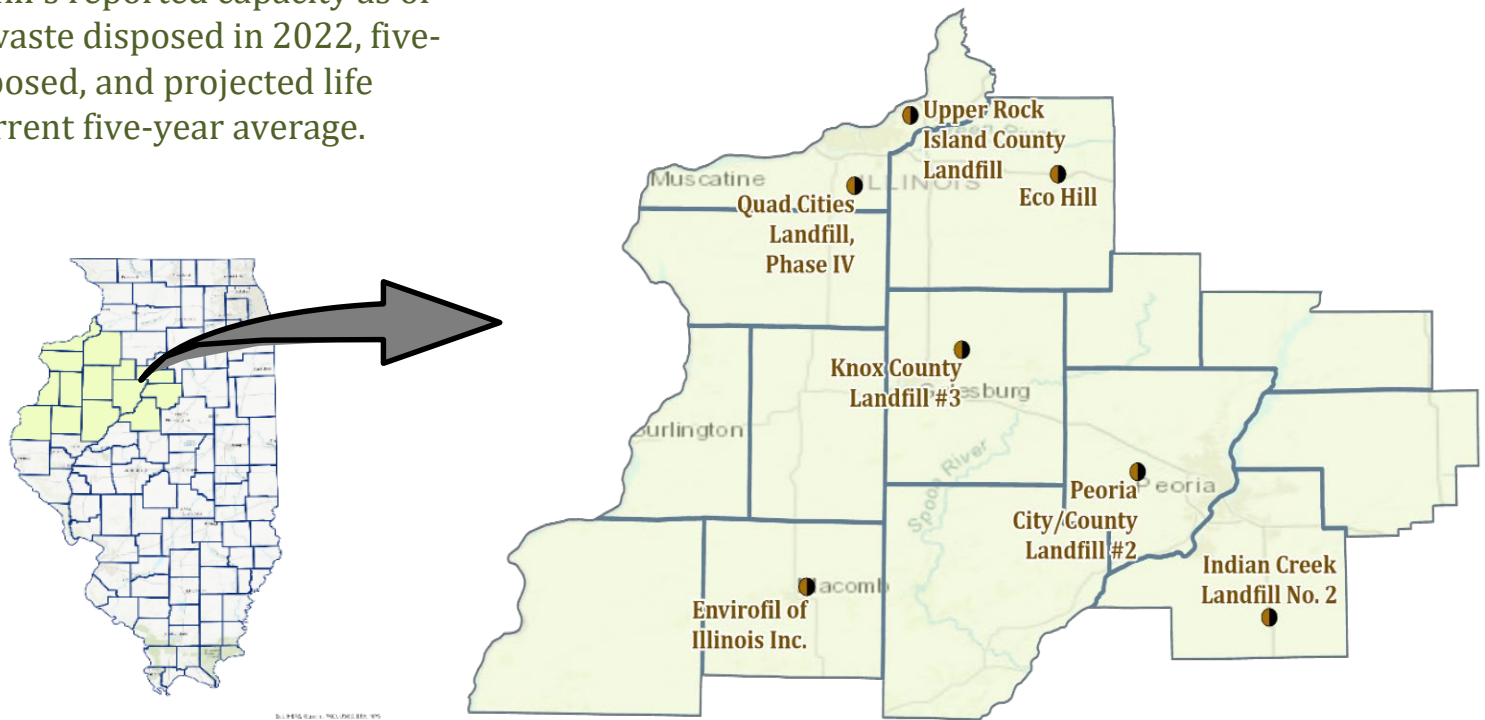




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<b>Region 3: Peoria/Quad Cities</b>					
Eco Hill	1,337,535	1,573,571	968,408	6,507,480	7
Envirofil of Illinois Inc.	154,418	63,809	81,917	7,321,954	89
Indian Creek Landfill No. 2	1,060,097	336,539	394,930	10,504,777	27
Knox County Landfill #3	262,697	100,266	104,127	634,191	6
Peoria City/County Landfill #2	693,858	179,291	194,280	265,448	1
Quad Cities Landfill, Phase IV	1,396,882	429,810	411,162	14,902,646	36
Upper Rock Island County Landfill	850,501	222,644	256,491	3,191,480	12
	<b>5,755,988</b>	<b>2,905,930</b>	<b>2,411,316</b>	<b>43,327,976</b>	<b>15</b>

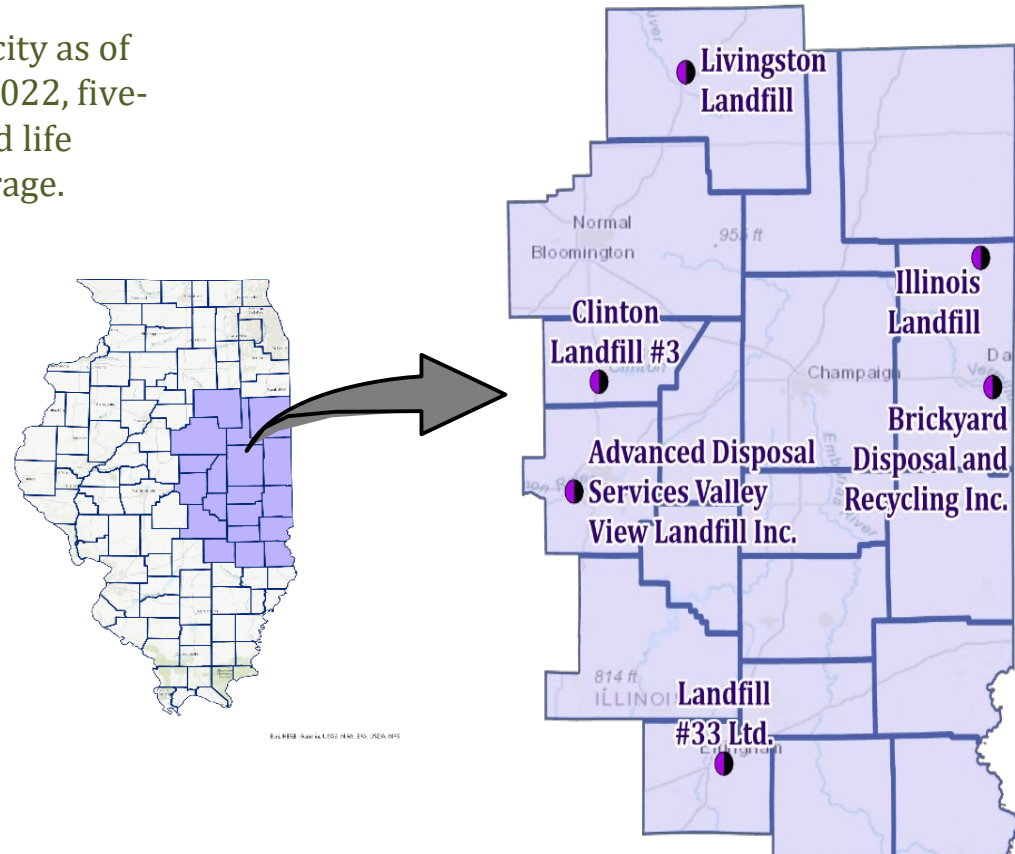
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<b>Region 4: East Central Illinois</b>					
Advanced Disposal Services Valley View Landfill	460,408	184,163	212,263	6,510,227	31
Brickyard Disposal and Recycling Inc.	742,110	337,323	314,517	5,523,452	18
Clinton Landfill #3	1,635,347	621,805	589,111	21,987,441	37
Illinois Landfill	116,017	58,009	65,644	9,593,668	146
Landfill #33 Ltd.	306,613	102,204	110,874	86,459	1
Livingston Landfill	3,461,034	1,236,084	1,044,589	22,374,106	21
	<b>6,721,529</b>	<b>2,539,587</b>	<b>2,336,998</b>	<b>66,075,353</b>	<b>26</b>

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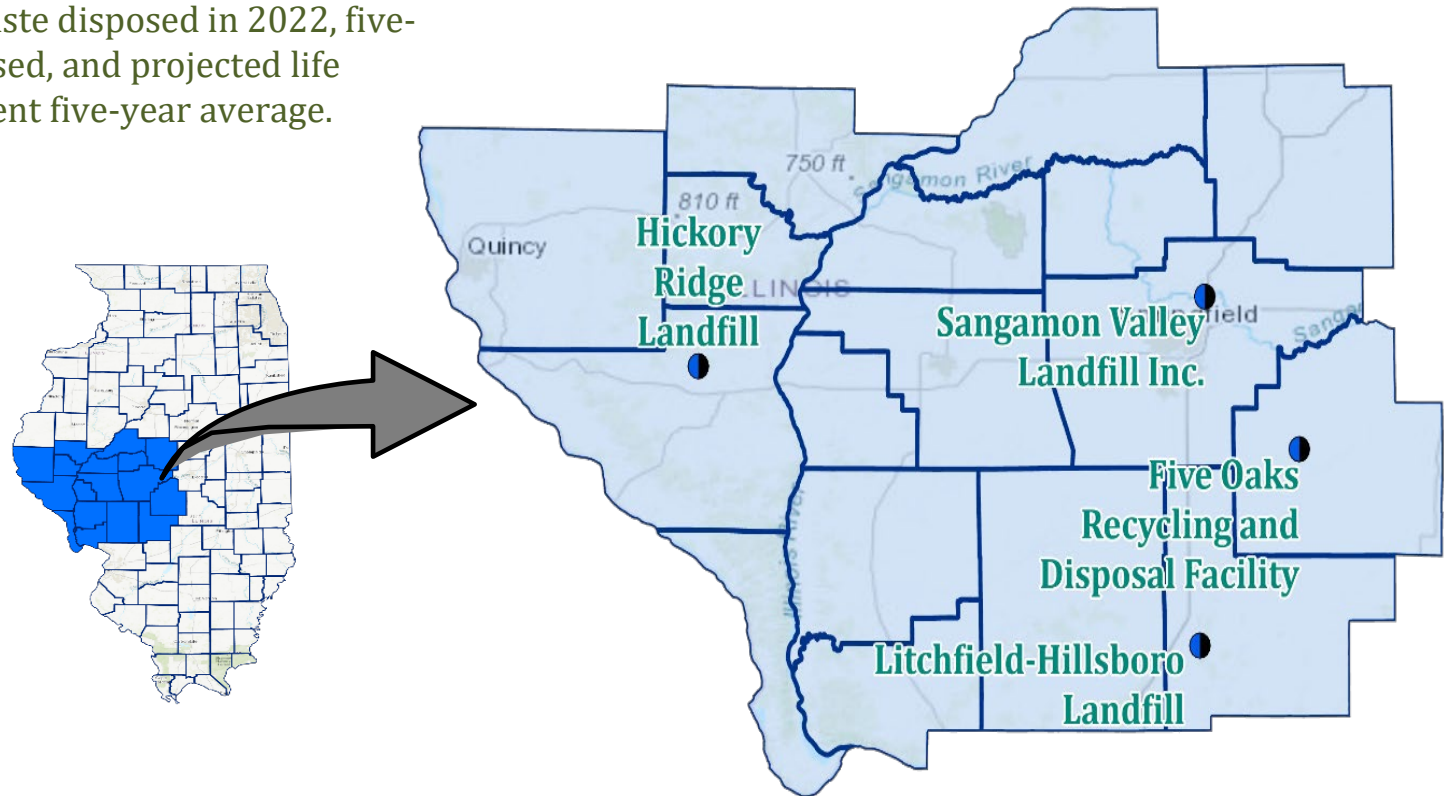




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<b>Region 5: West Central Illinois</b>					
Five Oaks Recycling and Disposal Facility	726,888	252,392	266,996	5,468,186	20
Hickory Ridge Landfill	428,182	115,413	167,483	9,396,366	56
Litchfield-Hillsboro Landfill	401,984	133,995	104,552	900,046	9
Sangamon Valley Landfill Inc.	476,150	158,717	166,773	1,640,640	10
	<b>2,033,204</b>	<b>660,516</b>	<b>705,804</b>	<b>17,405,238</b>	<b>26</b>

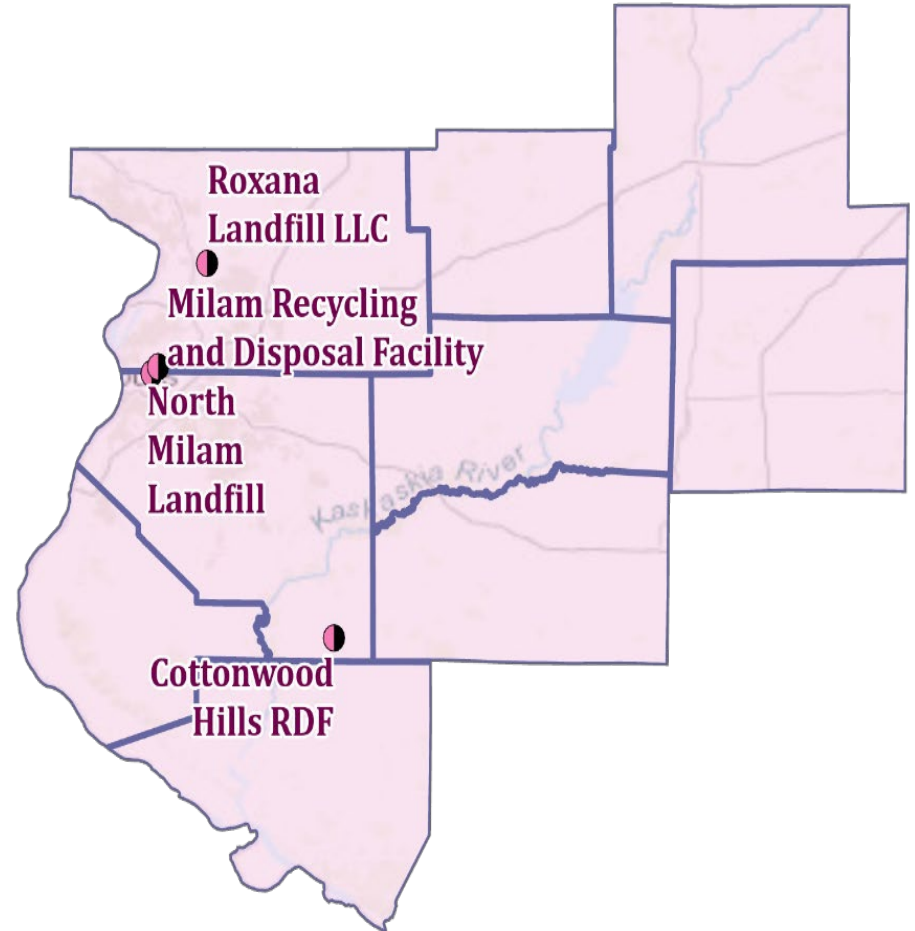
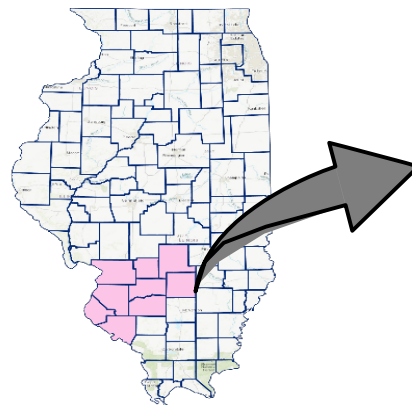
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<b>Region 6: St. Louis Metropolitan East</b>					
Cottonwood Hills RDF	1,156,177	385,392	341,837	24,798,330	73
Milam Recycling and Disposal Facility	58,283	19,428	43,718	402,390	9
North Milam Landfill	2,277,086	759,029	778,466	8,687,616	11
Roxana Landfill LLC	4,339,119	1,446,373	2,054,395	27,177,862	13
	<b>4,339,119</b>	<b>1,446,373</b>	<b>2,199,232</b>	<b>33,783,931</b>	<b>15</b>

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<b>Region 7: Southern Illinois</b>					
Perry Ridge Landfill Inc.	242,996	233,650	192,750	10,215,536	53
Southern Illinois Regional Landfill Inc.	1,064,017	425,607	442,357	15,595,041	35
Sumner Landfill Inc.	203,361	92,437	96,304	2,215,574	23
West End Disposal Facility	299,093	149,547	143,436	9,703,820	68
<b>Totals:</b>	<b>1,809,467</b>	<b>901,240</b>	<b>874,847</b>	<b>37,729,971</b>	<b>42</b>

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