

State of Illinois  
JB Pritzker, Governor

Illinois Environmental Protection Agency  
John J. Kim, Director



# Illinois Landfill Disposal Capacity Report



August 2021

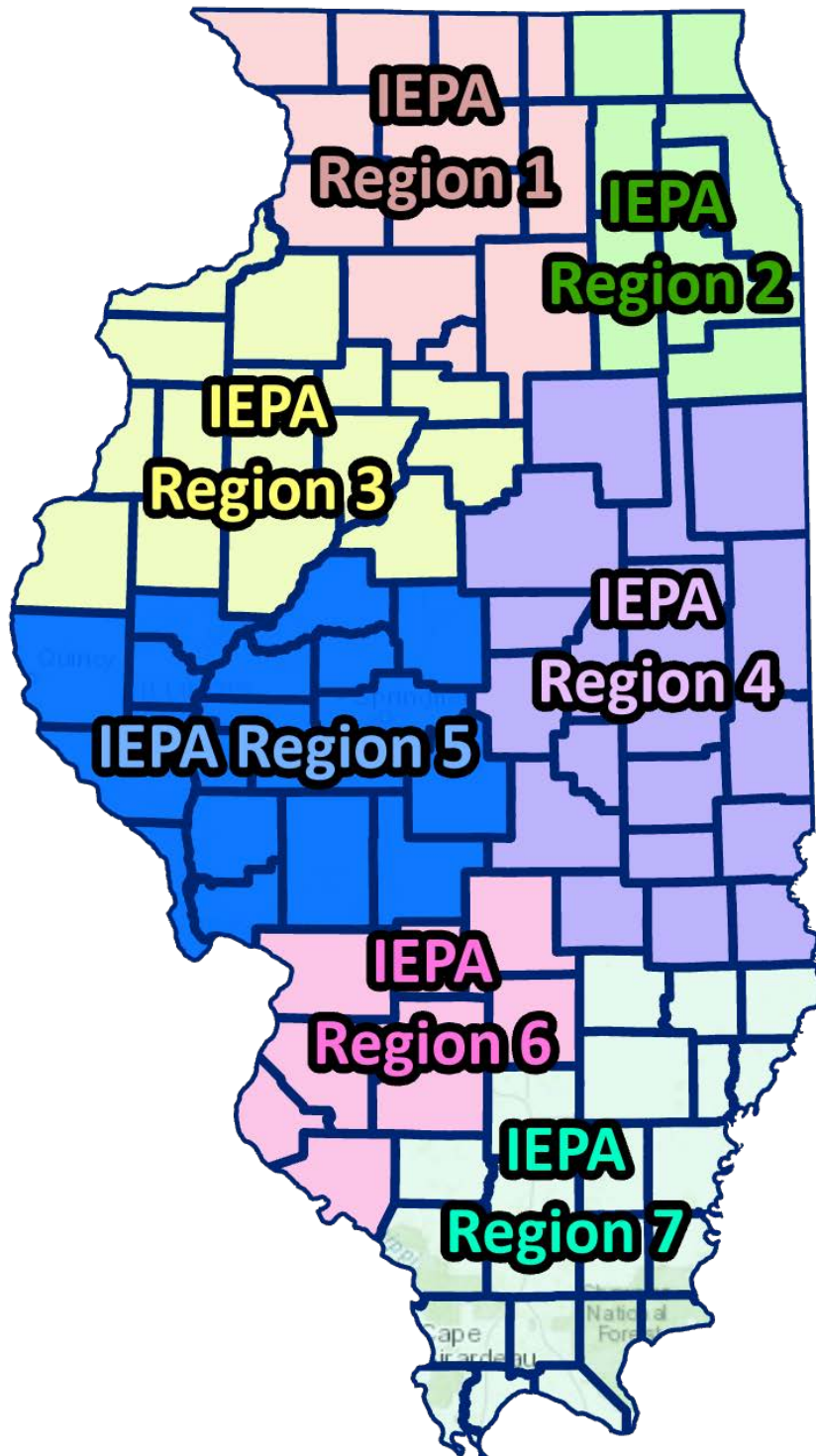
## **Introduction**

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 2020, Illinois' 36 permitted landfills located within seven regions reported receiving a total of 47,461,385 cubic yards of solid waste at the gate. This equates to 19,261,579 in-place cubic yards after compaction. These landfills have a remaining combined available disposal capacity of 450,418,561 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 24 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>	17,203,316	6,820,895	6,643,219	145,319,326	22
<b>Region 2: Chicago Metropolitan</b>	8,403,129	3,097,069	3,121,780	27,956,726	9
<b>Region 3: Peoria/Quad Cities</b>	5,517,954	2,543,094	1,776,704	53,580,489	30
<b>Region 4: East Central Illinois</b>	5,418,837	2,126,822	2,414,594	81,215,539	34
<b>Region 5: West Central Illinois</b>	1,740,024	675,370	644,177	21,772,645	34
<b>Region 6: St. Louis Metropolitan East</b>	7,386,968	3,151,208	3,423,385	76,063,622	22
<b>Region 7: Southern Illinois</b>	1,791,157	847,121	832,693	44,510,214	53
<b>Totals:</b>	47,461,385	19,261,579	18,856,552	450,418,561	24



# 2020 Landfill Capacity Information

	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 2: Chicago Metropolitan</b>					
Countryside Landfill Inc.	1,239,495	381,383	358,531	1,931,935	5
Laraway Recycling and Disposal Facility	2,234,471	1,241,373	1,292,147	6,671,745	5
Prairie View Recycling and Disposal Facility	3,582,073	838,893	846,005	13,990,095	17
Zion Landfill	1,347,090	635,420	625,098	5,362,951	8
<b>Totals:</b>	<b>8,403,129</b>	<b>3,097,069</b>	<b>3,121,780</b>	<b>27,956,726</b>	<b>9</b>

The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2020, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

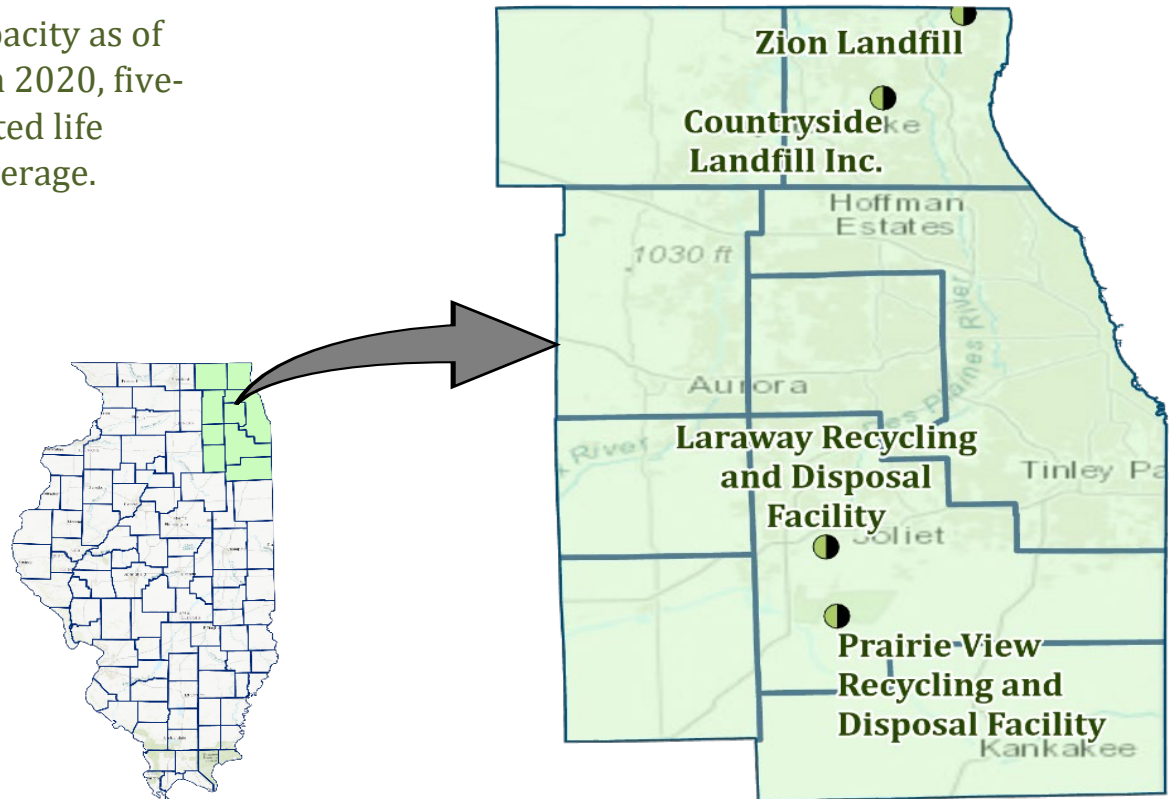
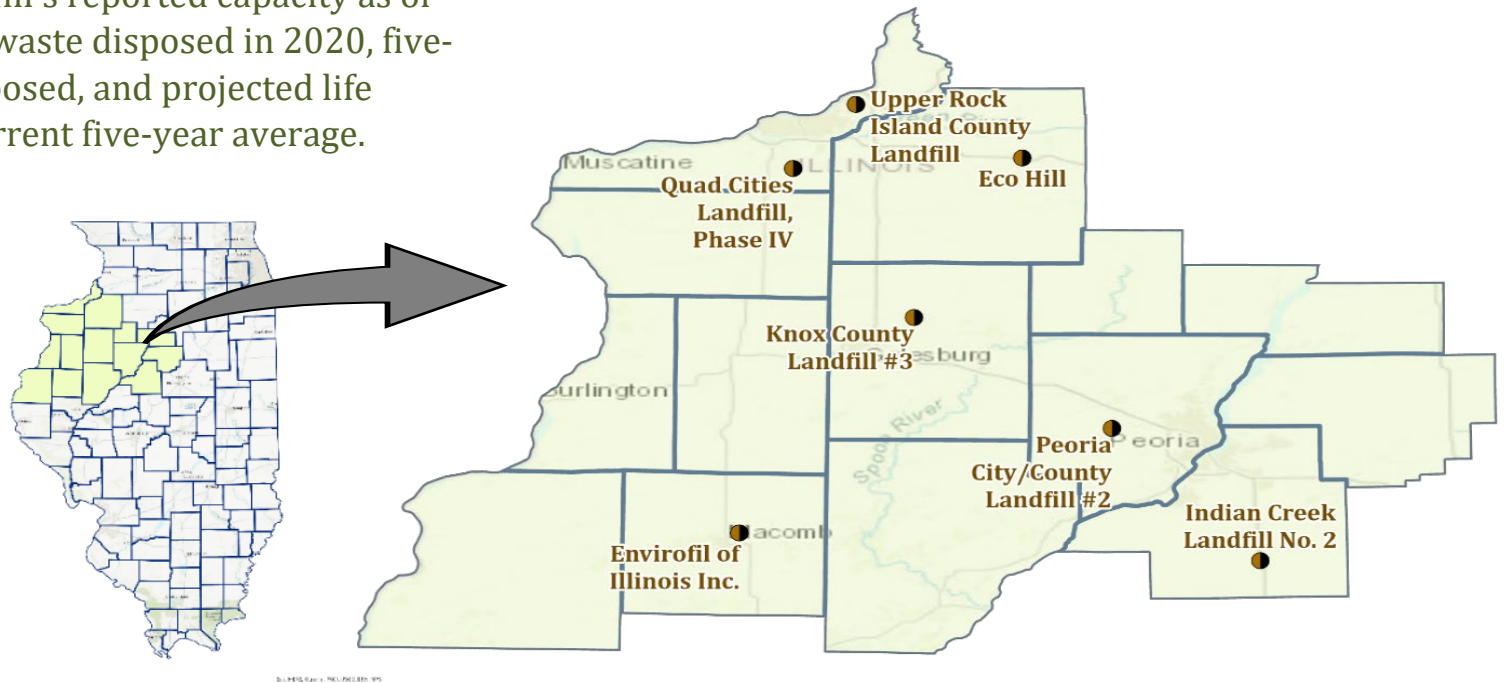


FIGURE 2-1: CHICAGO METROPOLITAN

# 2020 Landfill Capacity Information

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<b>Region 3: Peoria/Quad Cities</b>					
Eco Hill	809,213	1,011,516	271,715	11,745,000	12
Envirofil of Illinois Inc.	220,075	176,060	97,327	7,690,440	44
Indian Creek Landfill No. 2	1,061,286	377,682	399,120	12,547,615	33
Knox County Landfill #3	273,819	102,939	116,741	1,143,261	11
Peoria City/County Landfill #2	687,044	188,748	226,415	747,562	4
Quad Cities Landfill, Phase IV	1,563,085	394,718	385,531	15,736,532	40
Upper Rock Island County Landfill	903,432	291,430	279,854	3,970,079	14
<b>Totals:</b>	<b>5,517,954</b>	<b>2,543,094</b>	<b>1,776,704</b>	<b>53,580,489</b>	<b>30</b>

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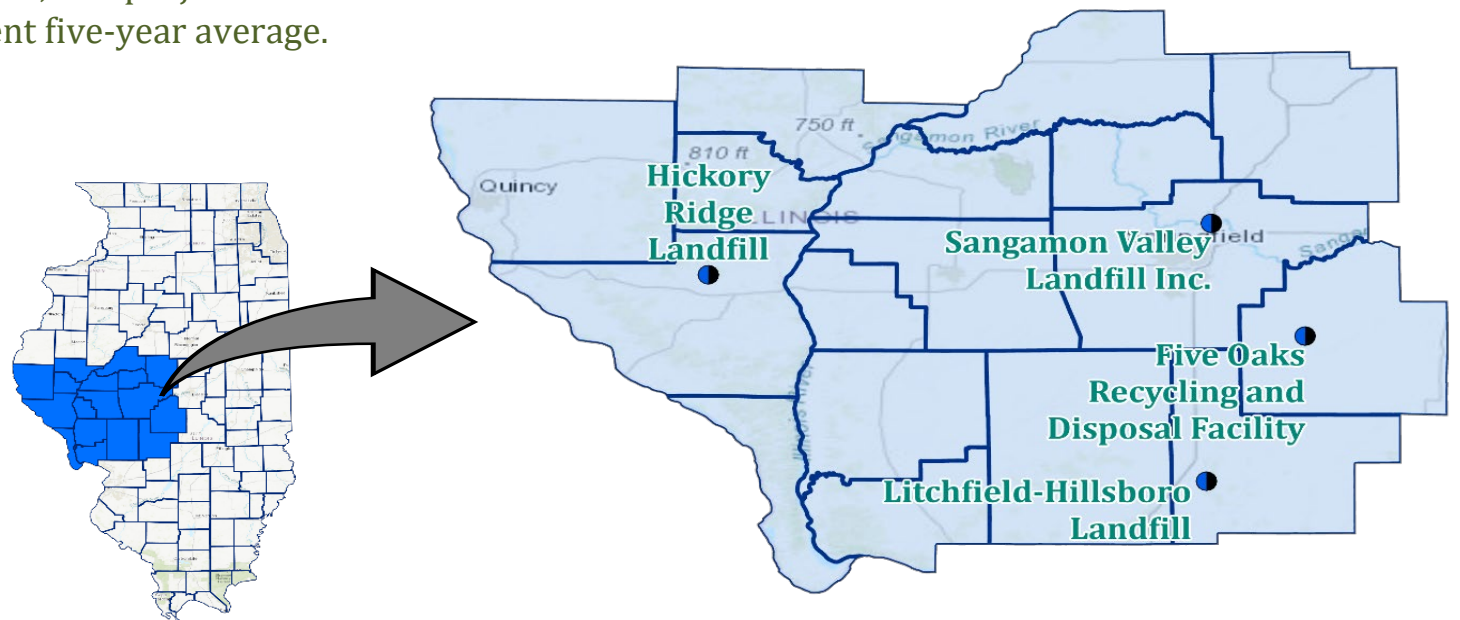




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<b>Region 5: West Central Illinois</b>					
Five Oaks Recycling and Disposal Facility	679,069	270,545	249,664	7,051,864	26
Hickory Ridge Landfill	468,105	152,975	163,186	10,836,817	71
Litchfield-Hillsboro Landfill	147,087	73,544	82,620	1,535,189	21
Sangamon Valley Landfill Inc.	445,763	178,305	148,706	2,348,775	13
<b>Totals:</b>	<b>1,740,024</b>	<b>675,370</b>	<b>644,177</b>	<b>21,772,645</b>	<b>34</b>

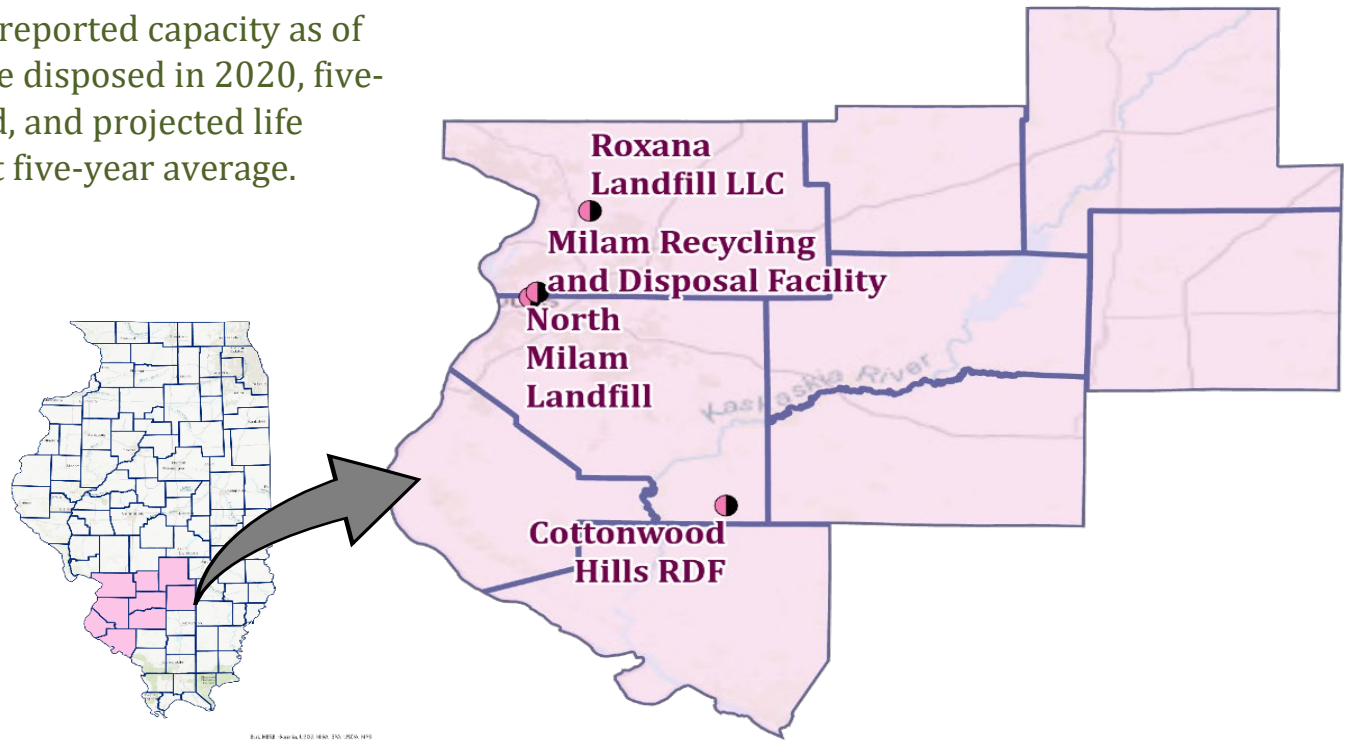
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<b>Region 6: St. Louis Metropolitan East</b>					
Cottonwood Hills RDF	997,203	332,401	347,418	28,243,600	85
Milam Recycling and Disposal Facility	13,000	13,000	120,375	284,500	22
North Milam Landfill	2,295,456	765,152	756,360	11,035,000	14
Roxana Landfill LLC	4,081,309	2,040,655	2,199,232	36,500,522	18
<b>Totals:</b>	<b>7,386,968</b>	<b>3,151,208</b>	<b>3,423,385</b>	<b>76,063,622</b>	<b>22</b>

The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2020, five-year average of volume disposed, and projected life expectancy based on the current five-year average.



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<b>Region 7: Southern Illinois</b>					
Perry Ridge Landfill Inc.	158,464	152,369	173,629	11,375,764	75
Southern Illinois Regional Landfill Inc.	1,115,282	446,113	429,668	18,125,391	41
Sumner Landfill Inc.	221,470	100,668	93,890	2,807,604	28
West End Disposal Facility	295,941	147,971	135,506	12,201,455	82
<b>Totals:</b>	<b>1,791,157</b>	<b>847,121</b>	<b>832,693</b>	<b>44,510,214</b>	<b>53</b>

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