

Ohio Disposal Data

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Ohio's Solid Waste Landfills

37 Licensed municipal solid waste landfills

- 35 active
- 2 inactive
- 32 years of life

21,041,876 tons of waste

- 10,888,741 tons transferred
 - 55% at 3 landfills with rail access
- 10,153,135 direct-haul

12 industrial or manufacturing Landfills

- 6 for coal combustion residuals

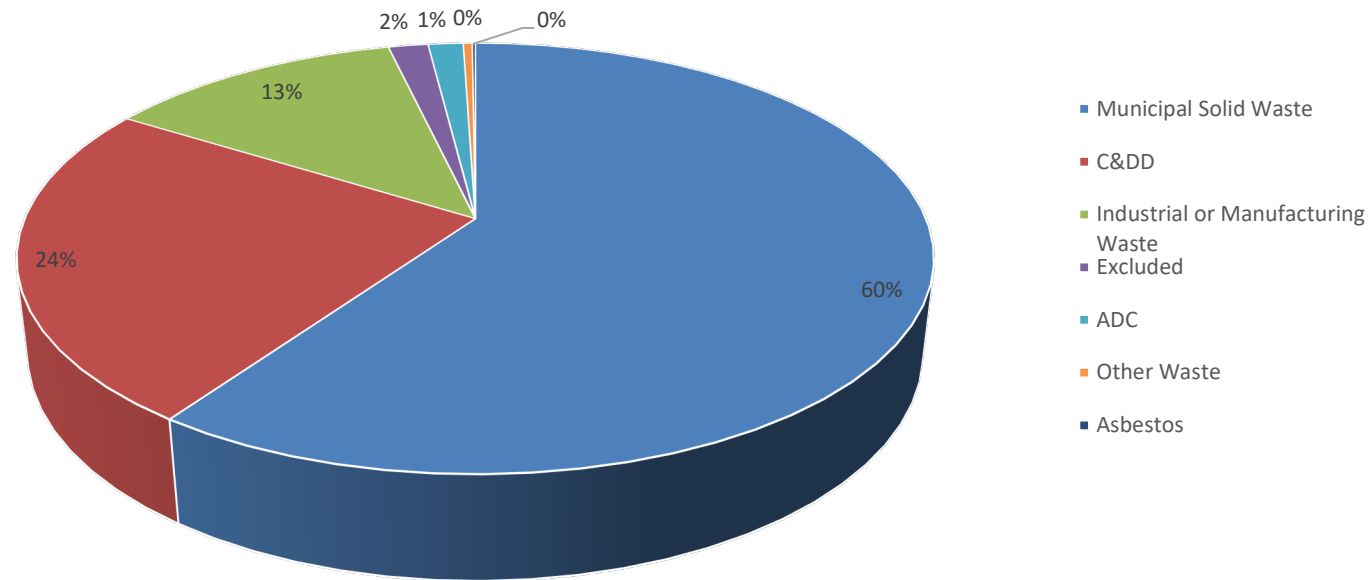
6,201,826 tons of waste

- 5,359,562 tons coal combustion residuals



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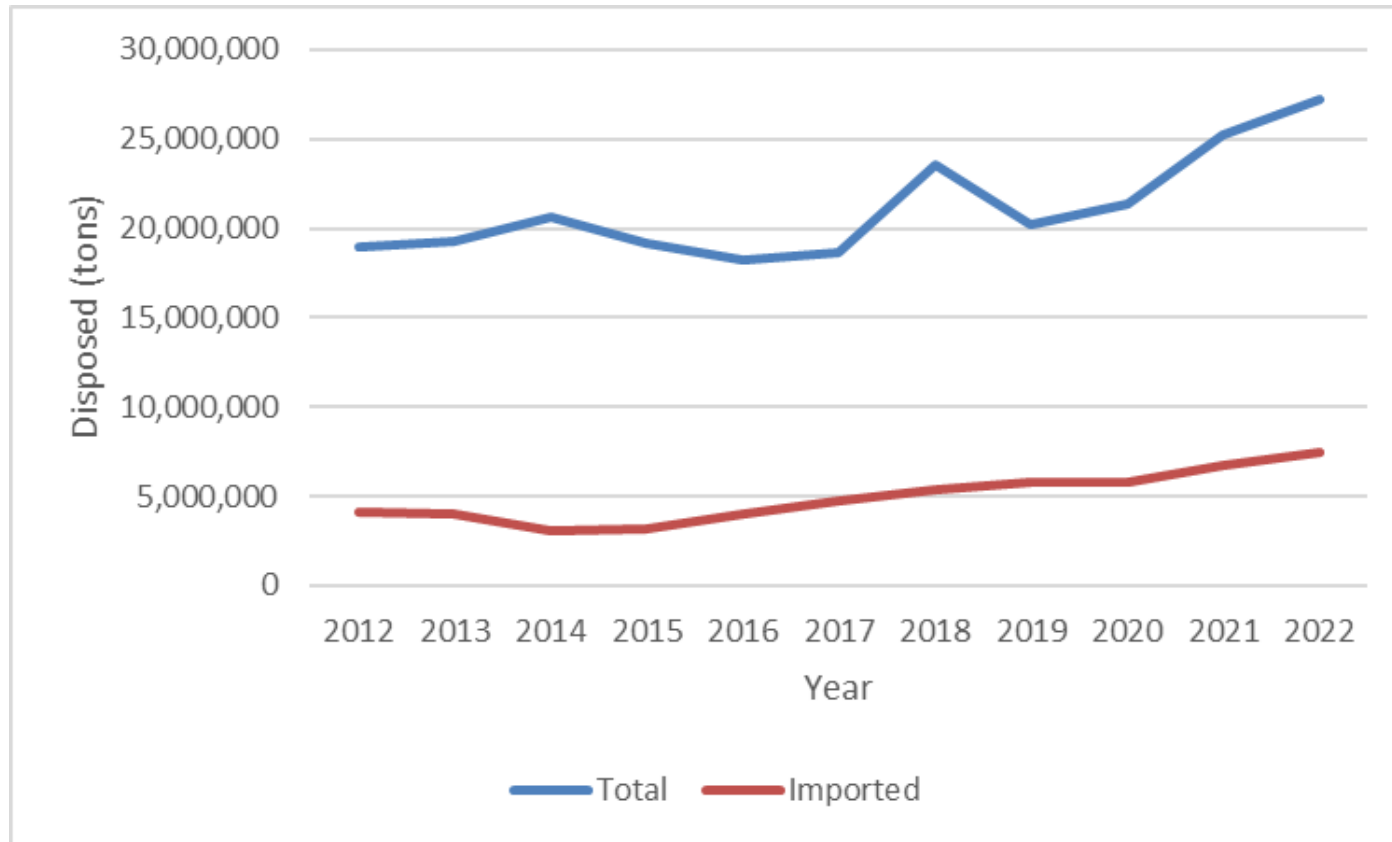
Composition of Waste Disposed in MSW Landfills 2022



Waste Type	Weight (tons)
Municipal Solid Waste	12,572,833
C&DD	5,069,894
Industrial or Manufacturing Waste	2,628,717
Excluded	351,523
ADC	310,789
Other Waste	79,546
Asbestos	28,574
Total	21,041,876



Waste Disposed in All Ohio Landfills – 2012 to 2022

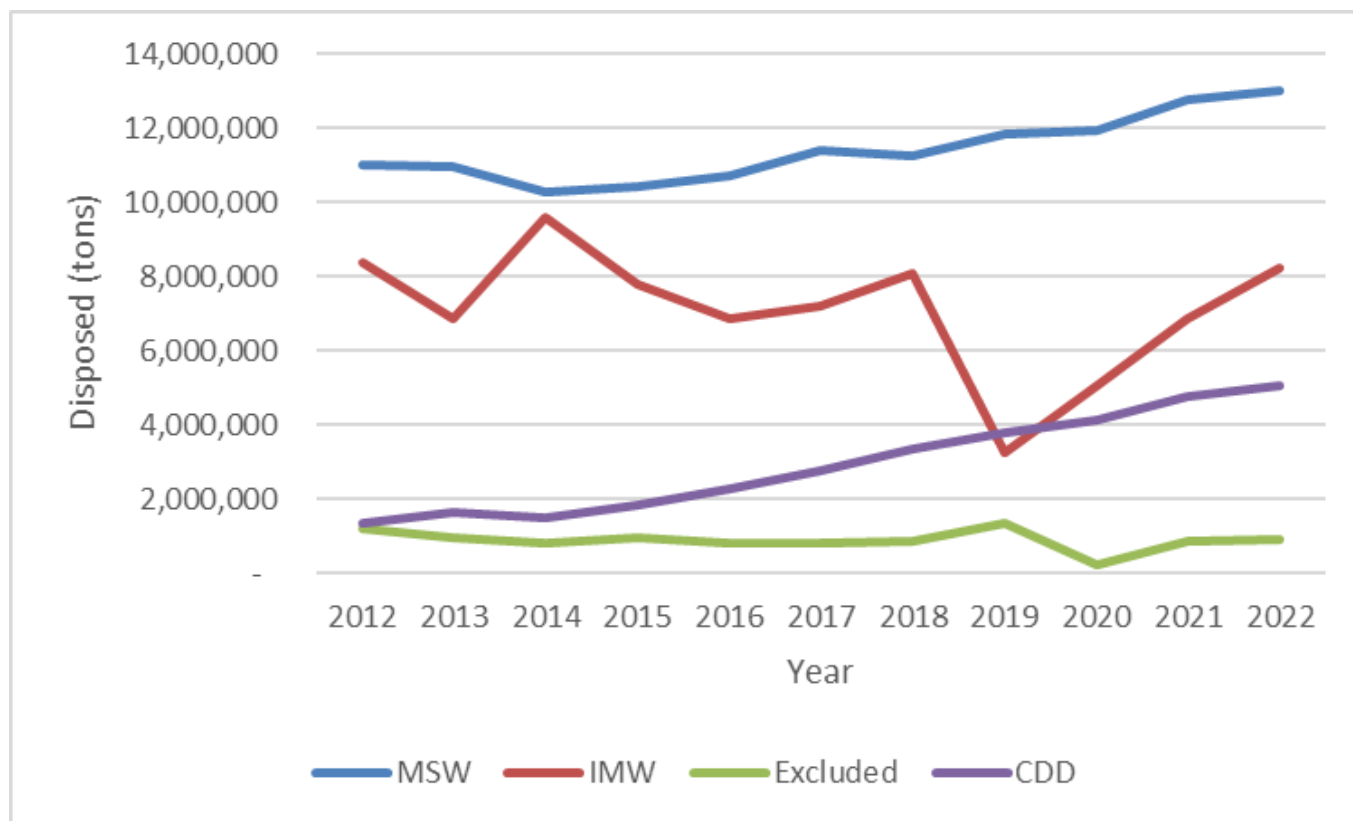


Year	Total	Imported
2012	18,983,879	4,153,796
2013	19,289,734	4,005,492
2014	20,645,166	3,074,319
2015	19,135,037	3,221,729
2016	18,193,381	3,961,305
2017	18,636,559	4,782,343
2018	23,513,577	5,367,955
2019	20,257,675	5,818,708
2020	21,344,421	5,805,002
2021	25,252,195	6,723,464
2022	27,243,702	7,426,851



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Types of Waste Disposed– 2012 to 2022



Year	MSW	IMW	Excluded	CDD	Total
2012	11,012,177	8,382,462	1,189,050	1,353,212	21,936,901
2013	10,963,932	6,869,951	940,905	1,623,353	20,398,141
2014	10,304,392	9,586,499	829,722	1,508,774	22,229,387
2015	10,444,531	7,790,691	958,539	1,830,649	21,024,410
2016	10,701,740	6,858,527	793,204	2,289,931	20,643,402
2017	11,400,357	7,225,579	839,679	2,754,362	22,219,977
2018	11,241,862	8,079,938	873,693	3,355,777	23,551,270
2019	11,847,541	3,263,794	1,331,200	3,815,140	20,257,675
2020	11,931,108	5,053,207	241,193	4,118,913	21,344,421
2021	12,775,337	6,852,781	845,397	4,778,680	25,252,195
2022	12,991,743	8,244,852	935,648	5,071,460	27,243,703



Landfills Used to Dispose of the Most Waste - 2022

Facility	Type	Tons Accepted
Gavin Power Residual Waste Landfill	IMW	2,965,484
Apex Environmental, LLC	MSW	2,551,857
Rumpke Sanitary Landfill	MSW	2,503,681
WIN Waste Innovations of Seneca County LLC	MSW	2,269,667
Tunnel Hill Reclamation LLC	MSW	1,866,988
Conesville SR 83 Residual Solid Waste Facility	IMW	1,304,260
Carbon Limestone Landfill LLC	MSW	1,270,015
SWACO Franklin County Sanitary Landfill	MSW	1,245,257
Rumpke of Northern Ohio Inc Noble Road Landfill	MSW	1,183,055
Kimble Sanitary Landfill	MSW	1,110,086

10 facilities used to dispose of more than 1 million tons each.

Percent of all disposed in Ohio:

67%



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MSW Landfills Used to Dispose of the Most Waste - 2022

Facility	MSW	IMW	Excluded	C&DD	Total
Apex Environmental, LLC	1,756,511	-	-	795,346	2,551,857
Rumpke Sanitary Landfill	1,984,734	384,637	5,555	128,756	2,503,681
WIN Waste Innovations of Seneca County LLC	159,495	7,165	-	2,103,007	2,269,667
Tunnel Hill Reclamation LLC	353,119	53,137	-	1,460,732	1,866,988
Carbon Limestone Landfill LLC	834,615	341,729	19,604	74,067	1,270,015
SWACO Franklin County Sanitary Landfill	1,187,995	57,262	-	-	1,245,257
Rumpke of Northern Ohio Inc Noble Road Landfill	1,054,595	92,269	18,841	17,350	1,183,055
Kimble Sanitary Landfill	829,948	197,180	31,362	51,596	1,110,086
Lorain County II Landfill LLC	781,396	130,865	-	19,706	931,967
American Landfill, Inc.	425,383	392,813	6,404	7,715	832,316

Top 10 MSW landfills ranked by tons of waste disposed in 2022

Percent of all disposed in Ohio:

MSW	IMW	Excluded	C&DD	Total
72%	20%	9%	92%	58%



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Waste Imports and Exports- 2022

Imports

Waste received at solid waste facilities in Ohio

New Jersey	2,849,542 tons
Massachusetts.....	1,217,110 tons
Connecticut.....	1,193,252 tons
New York.....	1,100,316 tons
Pennsylvania.....	663,244 tons
West Virginia.....	227,767 tons
Indiana.....	132,901 tons
Kentucky.....	33,297 tons
Michigan.....	9,860 tons
Canada.....	4,859 tons
Iowa.....	1,957 tons
Rhode Island	875 tons
New Hampshire.....	718 tons
Delaware	448 tons
Virginia	300 tons
Wisconsin.....	168 tons
9 Other States	237 tons

Total Imports: 7,426,851 tons

Exports

Waste sent to facilities in contiguous states

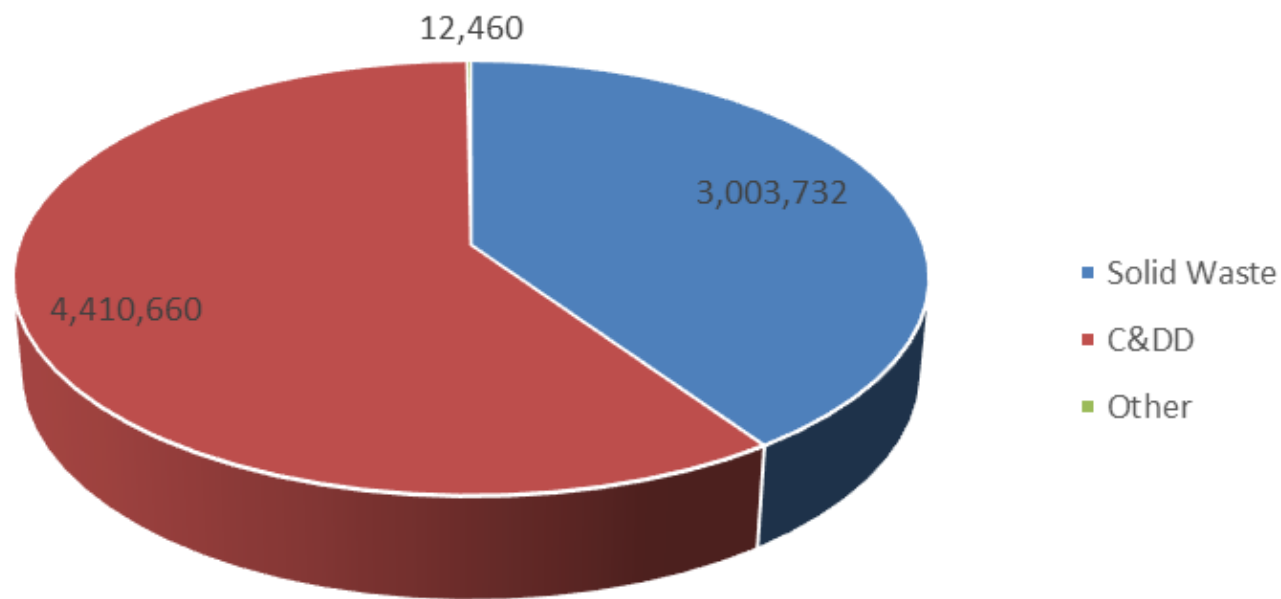
Michigan.....	418,508 tons
Kentucky.....	386,894 tons
Indiana.....	199,193 tons
Pennsylvania.....	90,023 tons
West Virginia	98,018 tons

Total Exports: 1,192,636 tons



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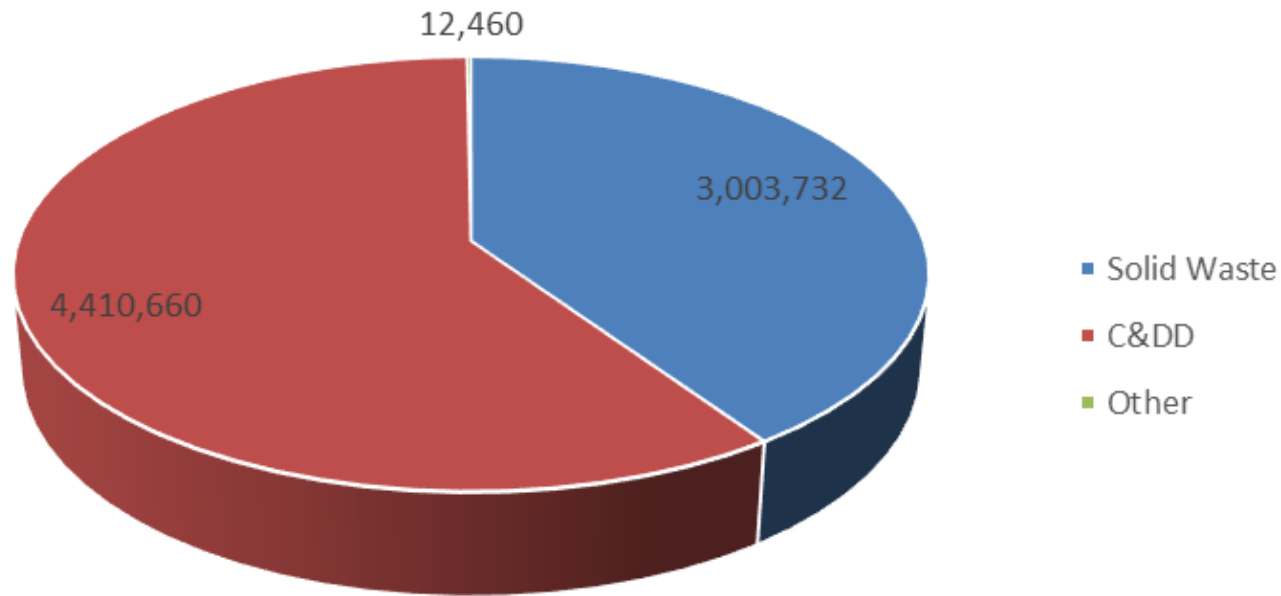
Origin of Imported Solid Waste - 2022



98% of imported solid waste came from 7 states:

State	Solid Waste (tons)	Percent of all Solid Waste
New Jersey	1,470,129	49%
Pennsylvania	380,035	13%
Connecticut	353,759	12%
New York	270,827	9%
West Virginia	226,488	8%
Massachusetts	138,075	5%
Indiana	114,095	4%

Origin of Imported C&DD - 2022



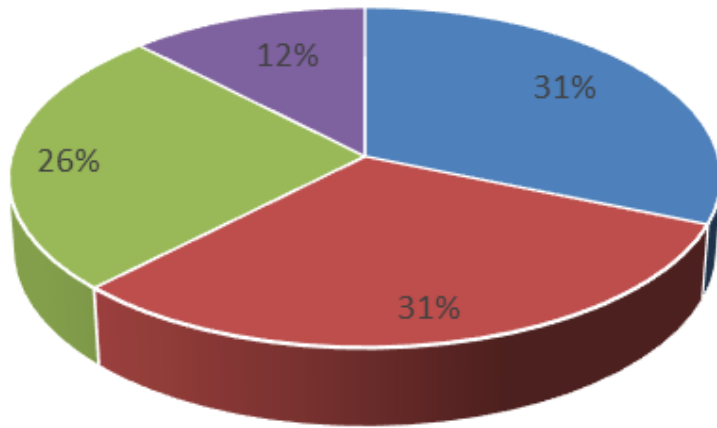
99% of imported C&DD came from 5 states:

State	C&DD	Percent of All C&DD
New Jersey	1,379,413	31%
Massachusetts	1,079,036	24%
Connecticut	839,493	19%
New York	828,131	19%
Pennsylvania	262,904	6%



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Imported Waste - 2022



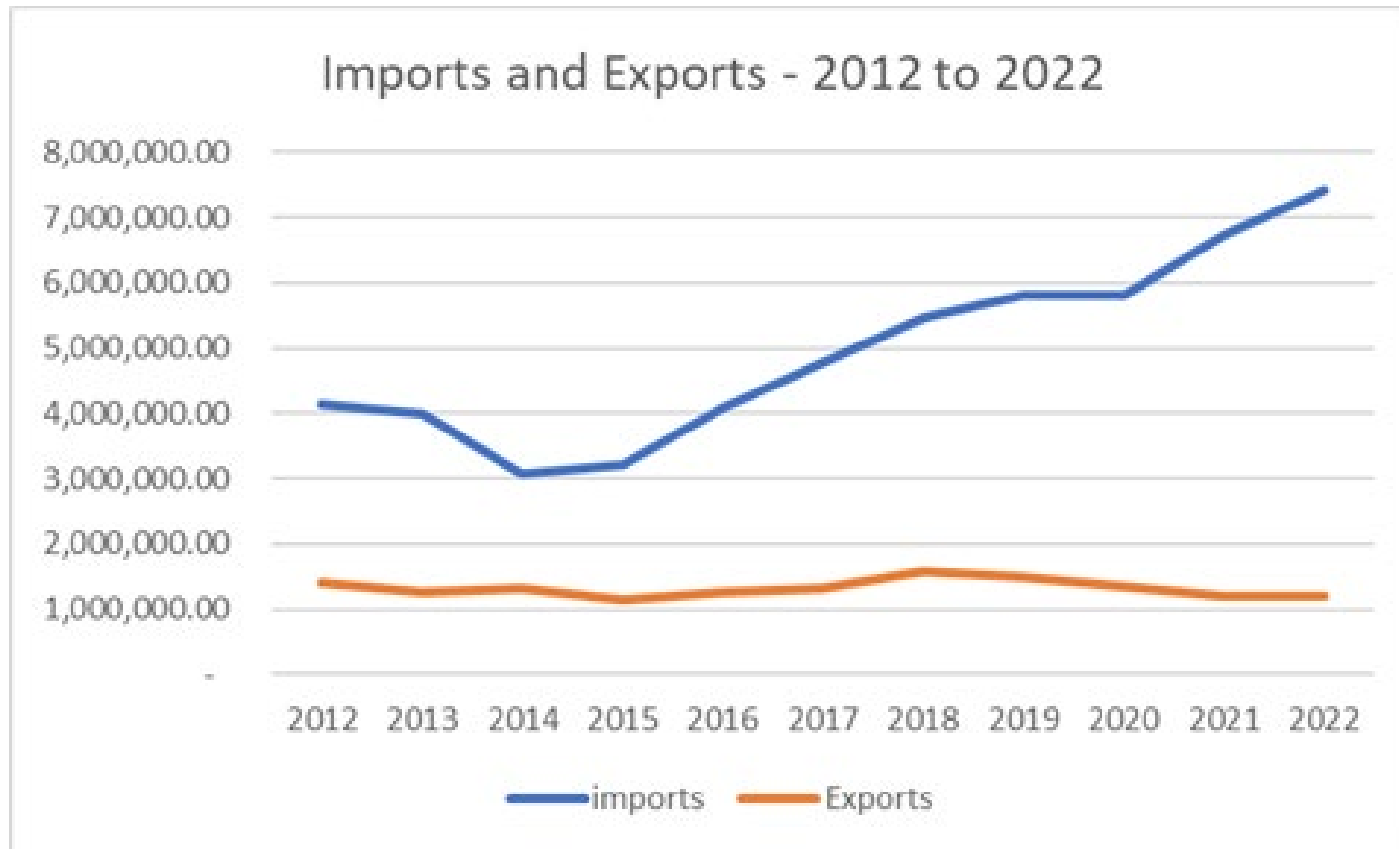
- WIN Waste Innovations of Seneca County LLC
- Apex Environmental, LLC
- Tunnel Hill Reclamation LLC
- Carbon Limestone Landfill LLC

94 percent of all imported waste went to 4 facilities:

Facility	Total Waste (tons)	Percent of Total
WIN Waste Innovations of Seneca County LLC	2,187,589	29%
Apex Environmental, LLC	2,162,214	29%
Tunnel Hill Reclamation LLC	1,781,408	24%
Carbon Limestone Landfill LLC	852,172	11%
Total	6,983,384	94%



Imports and Exports Over Time



Year	imports	Exports
2012	4,153,796.00	1,417,246.00
2013	4,005,492.00	1,264,882.95
2014	3,074,318.84	1,319,414.69
2015	3,221,728.82	1,153,701.45
2016	4,075,491.22	1,273,921.53
2017	4,782,342.55	1,320,868.23
2018	5,466,484.00	1,566,086.87
2019	5,818,708.00	1,504,714.00
2020	5,805,002.00	1,332,983.00
2021	6,723,464.00	1,188,472.00
2022	7,426,851.00	1,192,636.00



Solid Waste and C&DD - 2022

	% of Imported Waste Accepted at Facility		% of Total Imported Waste Statewide	
	Solid Waste	C&DD	Solid Waste	C&DD
Sunny Farms	5%	95%	3%	47%
Apex Environmental, LLC	64%	36%	46%	47%
Tunnel Hill Reclamation LLC	19%	81%	11%	33%
Carbon Limestone Landfill LLC	93%	6%	26%	1%

