



# Overview of 2021-2022 Biennial Solid Waste Report

Michael Nork, NHDES Solid Waste Management Bureau  
Solid Waste Working Group – December 1, 2023



# Notes about this Report



- Covers information for previous two calendar years, 2021-2022
  - Information on 2023 and 2024 will be in the next report due in 2025
- New Sections added to discuss:
  - Implementation of Solid Waste Management Plan
  - Activities related to Solid Waste Management Fund
- Disposal capacity shown in table format (vs. chart used in previous reports)
- Expected publication December 2023

# Trends of Note



*Solid Waste Disposed in New Hampshire 2020 – 2022*

<b>Year</b>	<b>Total Tons Disposed</b>	<b>Tons from In-State Sources</b>	<b>Tons from Out-of-State Sources</b>	<b>Percentage In-State Sources</b>
2020	1,956,789	1,042,957	913,833	53%
2021	1,999,123	1,121,263	877,861	56%
2022	1,923,204	1,102,364	820,841	57%

- Total tons disposed increased ~2% from 2020-2021; Decreased ~4% 2021-2022
- Proportion of waste disposed from in-state increased slightly

# Trends of Note



*Breakdown of Total Tons Disposed by Waste Type*

Year	MSW	C&D	Asbestos	Sludge	Contaminated Soil	Other
2020	1,181,749	264,777	102,050	65,917	216,480	125,815
2021	1,241,114	253,073	182,560	54,386	149,813	118,176
2022	1,128,570	266,333	128,641	53,564	246,300	99,796

- MSW roughly 60% of all waste disposed, C&D roughly 13%
- Soil disposal ebbs & flows, likely due to construction and remediation projects
- “Other” includes ash, treated infectious waste, industrial process waste

# Trends of Note



## *Disposal of MSW and C&D Compared to 2018*

Year	Total Tons MSW and C&D Disposed	% Change vs. 2018
2020	1,446,526	-3.6%
2021	1,494,187	-0.4%
2022	1,394,903	-7.0%

- In 2018, a total of 1,500,668 tons of MSW and C&D were disposed in NH
- RSA 149-M:2 sets a goal to reduce disposal of MSW and C&D 25% by 2030 and by 45% by 2050 compared to the quantity of such wastes disposed in 2018

# Disposal Projections



*Projected Waste Disposal Need & Capacity, tons per year (2023-2043)*

<b>Year</b>	<b>Projected Disposal Need</b> (assuming no change in current practices)	<b>Disposal Need Per Disposal Reduction Goal</b> (RSA 149-M:2)	<b>Projected Disposal Capacity</b> (assuming no new capacity added)
2023	1,351,000	990,000	1,876,000
2025	1,364,000	949,000	1,876,000
2030	1,394,000	847,000	1,762,000
2035	1,425,000	802,000	454,000
2040	1,456,000	757,000	447,000
2045	1,487,000	712,000	226,000

- Capacity Shortfall starts 2034 – deficit of ~260,000 tons (assuming closure of Turnkey LF halfway through year)
- Shortfall increases to ~970,000 tons in 2035 (first full year without Turnkey) up to ~1 million tons in 2041
- Shortfall increases by another ~200,000 tons in 2042 or 2043 (assuming closure of Mt. Carberry Landfill)



NEW HAMPSHIRE  
DEPARTMENT OF  
**Environmental  
Services**

# Questions?

Full Report Expected Mid-December 2023

