

MOA Annual Update

September 2025



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Site Map 2025



Photo 03/2025

Landfill Airspace

As of 12/31/2024

Projected Airspace Volume Consumed	25,900,293.02 Cubic Yards
In Place Waste Density (3-Year Average)	1,504 lb/CY
Remaining Airspace of the Landfill	6,749,706.98 Cubic Yards

Airspace Consumed
(Annual Survey Date 01/24/2024 – 10/16/2024)

- Solid Waste Placed (CY)	368,387 Cubic Yards
- Tonnage Accepted Between Surveys:	
MSW	309,024 Tons
Fire Debris	0 Tons
Total	309,024 Tons

Landfill Site Life

Density	Remaining Tons	Annual Tons*	Remaining Life
1,250	4,218,567	325,000	13 years
1,350	4,556,052	325,000	14 years
1,450	4,893,538	325,000	15.1 years
1,550	5,231,023	325,000	16.1 years
*Based off of the Joint Technical Documents projection for annual waste tons accepted at the facility.			

1,504	5,075,780	346,800	14.6 years
Remaining site life based on Republic's Life of Site Model for all tonnage disposed based upon prior 3-year density average including fire debris. Projected remaining tons based solely on MSW, with no anticipated fire events. Accepted site life calculation method for CalRecycle.			

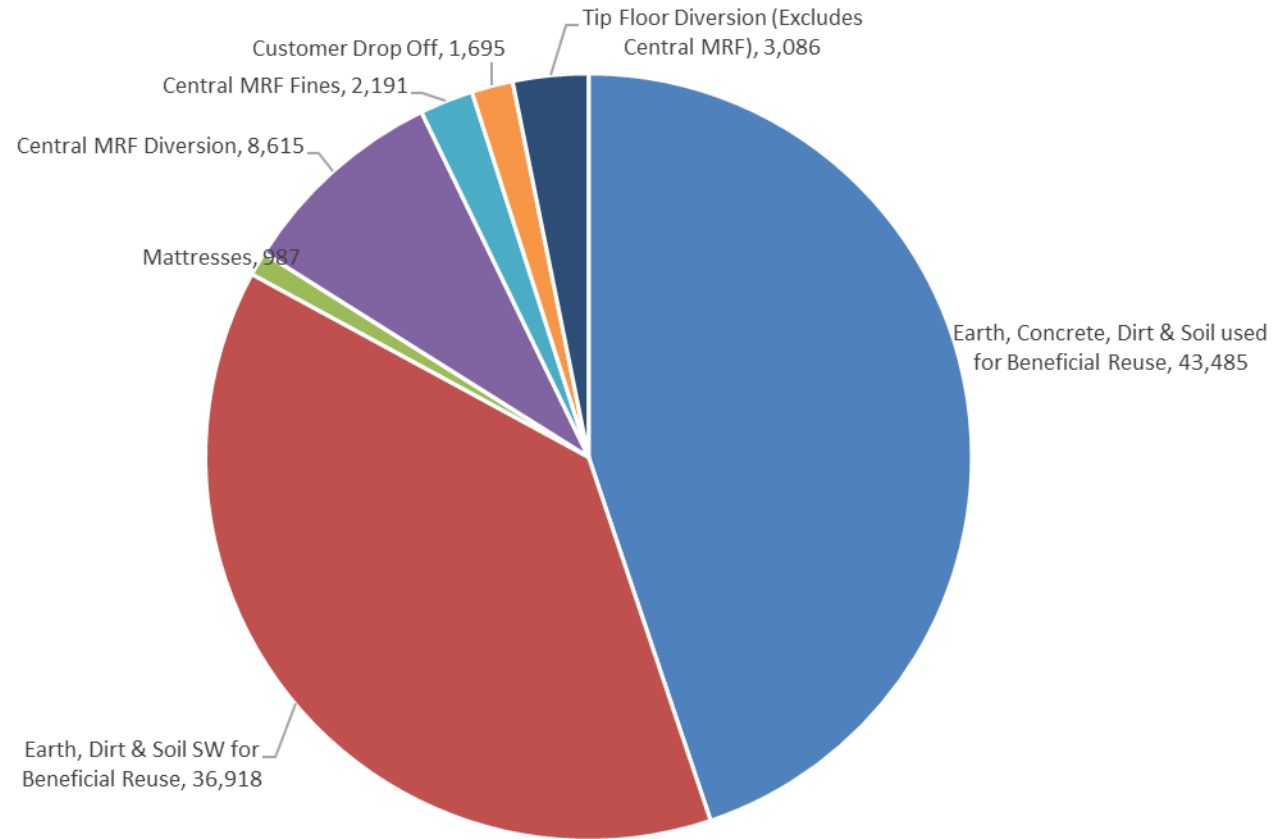
**Density units represented in pounds per cubic yard*

Diversion Analysis

6/2024-5/2025

Earth, Concrete, Dirt & Soil used for Beneficial Reuse	43,485
Earth, Dirt & Soil SW for Beneficial Reuse	36,918
Mattresses/Carpets	987
Central MRF Diversion	8,615
Central MRF Fines	2,191
Customer Drop Off	1,695
Tip Floor Diversion (Excludes Central MRF)	3,086
Annual Goal	44,735
Total	96,977

Diversion Analysis



Diversion Goals

<u>Initiative</u>	<u>Projected</u>	<u>2024 Totals</u>	2023 Totals
Central MRF Diversion	9,046 Tons (5% Increase)	8,615 Tons	15,224
Tip Floor Diversion	3,548 Tons (15% Increase)	3,086 Tons	3,217
*All Others	89,540 Tons (5% Increase)	85,276 Tons	46,201
Totals	102,134	96,977	64,642
**Diversion Goal	44,735		

*Includes: Appliances, Soils, E-Waste, Mattresses, Tires, and Treated Wood

**Food waste has been removed from the diversion goal for Republic and included in the contract with Recology

Green House Gas Update

This GHG inventory represents a snapshot of GHG emissions at Central Landfill from 2021 to 2024. LFG-derived GHG emissions would have occurred because of placement of the waste at any landfill facility in the region.

The Site has implemented several programs and projects that directly or indirectly lead to lowered GHG emissions. Waste diverted from disposal at the MRF results in GHG reductions. Though those reductions will be indirect and offsite, the reductions are attributable to development of the MRF. Improved LFG capture could also achieve GHG emission reductions, which could result from improvements to the GCCS and/or cover management practices.

Source	2021	2022	2023	2024
Landfill Methane	68,886	62,183	51,608	62,420
Landfill Equipment	1,277	1,977	2,175	3,016
Total GHG Emissions	70,163	64,160	53,783	65,436
Biogenic CO ₂	15,481	12,679	10,379	7,844

All emissions in MTCO₂e

SB 1383 Organics Program Update

- Food Waste Processing equipment construction is ongoing, processing material as of May 2025.
- Working with franchise haulers to capture additional food waste streams generated in County and process through equipment.
- Material diverted through this program is being processed at an anaerobic digester to produce power regionally.
- Food waste tonnage numbers by calendar year:

- 2020	5,840
- 2021	8,560
- 2022	8,658
- 2023	8,229
- 2024	8,504

New Developments

Central Landfill Improvements 2024

- Completed construction of Cell R-5
- Installed 11 vertical gas/leachate extraction wells
- Upgraded LFGTE engines with Air Fuel Ratio Devices
- Automated and upgraded leachate system

Transfer Station Improvements 2024

- Food waste processing equipment was installed
- Implemented carpet recycling program

Current Year Developments

- Construct Cell R-3
- Construct additional dual leachate/gas extraction wells

Cell R-3 Blasting Prep
(March 2025)



Cell R-3 Construction
(April 2025)



2025 Gas Construction
(March 2025)



Food Waste Processing Equipment
(2025)

