GAP Assist
Tools to support GAP

Demonstrating Results of Waste Management with GAP

This GAP Assist tool can be used as a quick reference for the types of information GAP recipients should put in their GAP solid waste management progress reports, as well some common waste estimation approaches. Refer to the Supplemental Guidance for more information.

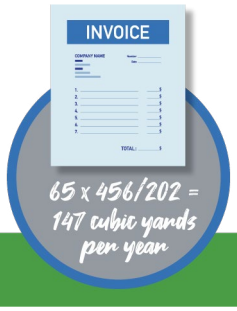
The national waste generation rate is **4.9 pounds per person per day.**

TYPE

- Appliances & Electronics
- Construction & Demolition Debris
- Household Hazardous Waste
- Compostable Material
- Mixed Recyclables
- Unsorted Trash
- Used Oil
- Automotive
- Tires

ORIGINATION

- Commercial
- Household/Residential
- Industrial
- Institutional/Government
- Unauthorized Dumping
- Unknown



AMOUNT

- Landfill Scale Receipts or Tipping Fees
- Collection Invoices or Receipts
- Transport Manifests and Invoices
- Large Platform Scale
- Handheld Luggage Scale
- Calculate from Available Data

FINAL DISPOSITION

- Composted
- Burned/Incinerated
- Landfilled
- Recycled
- Backhauled
- Sent to Hazardous Waste Facility

Determining Amount: Calculations

The following are a few examples of common waste estimation approaches, but grantees are not limited to using these methods.

Dumpster Formula

(Volume (length in feet x width in feet x height in feet) x # of times emptied) x percentage full (if not full)/27 = volume in cubic yards

For example: Assume the container has 20 Yd dimensions (11ft x 6ft x 8ft), picked up 6 times in the reporting period.

11 ft x 6 ft x 8 ft = 528 ft x 6 = 3,168/27 =

117 CY

11 ft x 6 ft x 8 ft = 528 ft x 6 x .5 = 1,584/27 =

59 CY

11 ft x 6 ft x 8 ft = 528 ft x 6 x .25 = 792/27 =

29 CY

Truck Bed Formula

(Volume (length in feet x width in feet x height in feet) x # of times emptied)/10 = volume in cubic yards

For example: Assume the pickup beds are emptied 10 times in the reporting period.

6 ft x 5 ft x 1.5 ft = 45 x 10 loads/27 =

17 CY

8 ft x 5 ft x 1.5 ft = 60 x 10 loads/27 =

22 CY

Household Trash Formula

(Volume of can in gallons x total number of cans of each volume)/202 gallons per cubic yard = volume in cubic yards

For example: Assume the number of household containers being counted is 456.

65 x 456/202 =

147 CY
per year

To learn more about how EPA is using GAP data, see **GAP Hub FAQs**.

To contact GAP Support, email us at **GAP@epa.gov**.

Indian Environmental
General Assistance Program
American Indian Environmental Office

EPA