

How to Calculate My Diversion Compliance Deposit (DCD)

Please use the following guidance to estimate the amount of debris and the total project waste your project will generate. You are not required to use these conversion factors but they may be used for reference. The tonnage estimate is multiplied by the Per Ton Rate to determine the DCD amount.

Step 1 - Estimate total debris by project type

To estimate total project debris tonnage, multiply the new, remodeled, or demolished gross square footage covered by the permit by the debris tons/ft² conversion factors.

Type	Debris tons/ft ²
<i>Residential</i>	
New construction/addition	0.00219
Remodel/renovation	0.00842
Full structure demolition	0.0575
<i>Non-Residential</i>	
New construction	0.001945
Demolish interior only	0.0145
Full structure demolition	0.0775

Debris tons/ft² conversion factors derived from EPA. 2003. *Characterization of Building-Related Construction and Demolition Debris in the United States*. Retrieved from <https://www.epa.gov/smm/characterization-building-related-construction-and-demolition-debris-united-states>.

Example – 5000 ft² Residential New Construction

$$5000 \text{ ft}^2 * 0.00219 \text{ tons/ft}^2$$

Project total debris estimate = **10.95 tons**

Step 2 – Calculate total project waste (exclude materials diverted from landfill)

After determining the total debris estimate, calculate the weight of materials to be diverted from trash through job site recycling, reuse or other strategies and subtract that from total debris to calculate total project waste. The DCD is calculated based on the project waste (excluding diverted materials).

- All projects must divert a *minimum of 35%* of total project debris by weight to obtain a full refund of their deposit. At least 35% diversion should be selected when calculating the total project waste.
- Project teams are encouraged to aim for higher waste diversion goals to bring down their waste totals and deposit amounts. Any diversion rate can be selected so long as it is realistic and justifiable.

Minimum Waste Diversion Rate Amended on April 11, 2023

Permit applications submitted on or after April 11, 2023 are subject to the updated minimum waste diversion rate of 35%. Permit applications submitted between October 26, 2020 and April 11, 2023 are subject to the original 25% minimum diversion rate.

Example 1 – With 35% diversion	Example 2 – With 50% diversion
Project total debris estimate = 10.95 tons	Project total debris estimate = 10.95 tons
10.95 tons debris x 0.65% (factoring in 35% diversion)	10.95 tons debris x 0.50% (factoring in 50% diversion)
Total waste excluding diverted material = 7.1175 tons	Total waste excluding diverted material = 5.475 tons

Step 3 – Multiply total project waste by the Per Ton Rate

The Per Ton Rate is set to **\$1000 per ton of waste generated**. Multiply the total project waste from Step 2 by the Per Ton Rate.

Example 1 – 35% Diversion	Example 2 – 50% Diversion
Total waste excluding diverted material = 7.1175 tons	Total waste excluding diverted material = 5.475 tons
7.1175 tons x Per Ton Rate (\$1000/ton)	5.475 tons x Per Ton Rate (\$1000/ton)
Diversion Compliance Deposit = \$7,117.50	Diversion Compliance Deposit = \$5,475