

Calculate Avoided Collection/Disposal Costs:

You can calculate how much waste you dispose of by volume or by weight and further decide if you can make any changes to your current hauling system.

By Volume:

Use this formula if you are using a visual estimate of the waste stream, or if you calculated volumes.

$$\frac{\text{\% of material (By visual estimation or calculation)}}{\text{\% of material (By visual estimation or calculation)}} \times \frac{\text{Total cubic yards disposed (ex: 4 cubic yard dumpster emptied 3 times per week= 12 cubic yards or 48 cubic Yards per month)}}{\text{Total cubic yards disposed (ex: 4 cubic yard dumpster emptied 3 times per week= 12 cubic yards or 48 cubic Yards per month)}} = \frac{\text{Targeted for diversion}}{\text{Targeted for diversion}}$$

$$\frac{\text{cubic yards Targeted for diversion}}{\text{cubic yards Targeted for diversion}} \times \mathbf{70\%} = \frac{\text{cubic yards}}{\text{Expected diversion}}$$

$$\frac{\text{cubic yards}}{\text{Expected diversion}} \div \frac{\text{Total volume of all waste disposed}}{\text{Total volume of all waste disposed}} = \frac{\text{cubic yards}}{\text{Percent of Waste Stream Diverted}}$$

By Weight

Use this formula if you calculated your weight or if your hauler provides weight slips for your dumpster.

$$\frac{\text{Pounds of material Discarded per year}}{\text{Pounds of material Discarded per year}} \times \mathbf{70\%} = \frac{\text{pounds}}{\text{Expected Diversion}}$$

$$\frac{\text{pounds}}{\text{Expected diversion}} \div \frac{\text{Total volume of waste disposed (provided by hauler)}}{\text{Total volume of waste disposed (provided by hauler)}} = \frac{\text{Percent of Waste Stream to be Diverted}}{\text{Percent of Waste Stream to be Diverted}}$$

70% diversion rate is used to be on the conservative side.

By calculating the amount of diversion from the waste stream that may allow you to change how often your dumpster is hauled or reduce the size of your dumpster. Ask your hauler how much your disposal costs may decrease by giving them the figures above.