

Table 1 - Recycled Content Value Calculations

[illegible]

Step 1 - Insert information for materials and/or assemblies used for calculation of the Recycled Content Value into Columns A, B, and C.

NOTE: It is not necessary to list each material or assembly product used in the project. List a sufficient number of materials and/or assembly products to meet the required percentage of Recycled Content Value. Products with a higher combination of cost and recycled content may show compliance with the RCV requirements more efficiently.

Step 2 - Insert the cost of each material and/or assembly product into Column D.

Step 3 - Insert the Post-Consumer and Pre-Consumer Recycled Content percentages (provided by the manufacturer or other source) of each material and/or assembly into Columns E and F.

NOTE 1: If the Post-Consumer and Pre-Consumer Recycled Contents of any material are provided in pounds, Table 3 (Conversion Table) may be used for calculating the percentages of the recycled contents in each material.

NOTE 2: Recycled Content Value of assemblies (products consisting of multiple materials) shall be calculated by considering each material separately. The Recycled Content of an assembly may be calculated by using Table 2 (Assembly Product Recycled Content Calculations).

NOTE 3: If the manufacturer reports total recycled content as one percentage in lieu of separately reported pre-consumer and post-consumer, one half of the reported total recycled content shall be inserted into Column E, and the other half into Column F.

Step 4 - The Recycled Content of each material and/or assembly is calculated by the following equation:

$$\text{Recycled Content (\%)} = \text{Post-Consumer Recycled Content (\%)} + 1/2 \text{ Pre-Consumer Recycled Content (\%)}$$

Using Table 1, add the values in Column E to 1/2 of the values in Column F; insert the Recycled Content (%) of each material into Column G.

Step 5 - The Recycled Content Value of each material and/or assembly is calculated by the following equation:

$$\text{Recycled Content Value (\$)} = \text{Material Cost (\$)} \times \text{Recycled Content (\%)}$$

Using Table 1, multiply the values in Column D by values in Column G, and insert the Recycled Content Value of each material into Column H.

Step 6 - Total Column H and enter the Total Recycled Content Value (\$) in the provided box.

Step 7 - The total estimated material cost for the project is calculated by ONE of the following methods:

- 1) Insert the project square footage and square foot valuation (cost per sq. foot, established by the local enforcing agency or Table A4.405.3) in the provided boxes. Multiply the project square footage by the square foot valuation; multiply that cost by 45 %. Insert the total material cost in the provided box; OR
- 2) Insert the estimated project construction cost (valuation) in the provided box; multiply the valuation by 45% and insert the total material cost in the provided box; OR
- 3) Summarize the cost of each piece of material and/or assembly used in the project, and insert the total material cost in the provided box.

Step 8 - Recycled Content Value of the project as a percentage from the Total Material Cost is calculated by the following equation:

$$\text{Recycled Content Value (\%)} = [\text{Recycled Content Value (\$)} \div \text{Total Material Cost (\$)}] \times 100$$

Using Table 1, divide the Total Recycled Content Value (\$) by the Total Material Cost (\$); multiply the value by 100, and insert the percentage in the bottom right box. This value needs to be 10 percent or greater to meet Tier 1, or 15 percent or greater to meet Tier 2.

Table 2 - Assembly Product Recycled Content Calculations *

ASSEMBLY PRODUCT:								
A	B	C	D	E	F	G	H	I
			Post-Consumer Recycled Content(lb)	Post-Consumer Recycled Content (%)	Pre-Consumer Recycled Content(lb)	Pre-Consumer Recycled Content (%)	Proportional Post-Consumer Content (%)	Proportional Pre-Consumer Content (%)
Assembly Product**	Material Weight (lb)	Material Weight (%)						
Total Weight:								
							Assembly Post-Consumer Recycled Content:	
							Assembly Pre-Consumer Recycled Content:	
<p>* Use one sheet per assembly product.</p> <p>** Materials used as components of the structural frame shall not be used to calculate recycled content. The structural frame includes the load bearing structural elements, such as wall studs, plates, sills, columns, beams, girders, joists, rafters, and trusses.</p> <p>The sum of post-consumer and pre-consumer recycled contents of each material in the assembly product cannot exceed 100%.</p>								

Step 1 - Insert the type of each material in the assembly into Column A

Step 2 - Insert the total weight of the assembly and the weight of each material in the assembly into Column B.

Step 3 - Divide the weight of each material in Column B by the total weight of the assembly; insert material weight percentages in Column C.

If the weight of materials in the assembly is provided by the manufacturer or other source in percentages, directly insert the percentage of each material into Column C, and the total weight of the assembly into Column B "Total Weight".

Step 4 - Insert the Post-Consumer Recycled Content of materials (pounds, provided by the manufacturer or other source) into Column D.

If the Post-Consumer Recycled Content is provided in percentages, insert the values in Column E.

Step 5 - Insert the Pre-Consumer Recycled Content of materials (pounds, provided by the manufacturer or other source) into Column F.

If the Pre-Consumer Recycled Content is provided in percentages, insert the values in Column G.

The Assembly Post-Consumer and Pre-Consumer Recycled Content percentages shall be calculated based on the provided information and the weight of each material in the assembly.

Step 6 - Divide the values in Column D by the total weight of the assembly, and insert the Proportional Post-Consumer Recycled Content of each material in percentages into Column H.

If the Post-Consumer Recycled Content of materials is provided as percentage, multiply the values in Column C by the values in Column E, and insert the Proportional Post-Consumer Recycled Content (%) of each material in Column H.

Step 7 - Divide the values in Column F by the total weight of the assembly, and insert the Proportional Pre-Consumer Recycled Content of each material in percentages into Column I.

If the Pre-Consumer Recycled Content of materials is provided as percentage, multiply the values in Column C by the values in Column G, and insert the Proportional Pre-Consumer Recycled Content (%) of each material in Column I.

Step 8 - Total Column H and insert the Assembly Post-Consumer Recycled Content in the box provided.

Step 9 - Total Column I and insert the Assembly Pre-Consumer Recycled Content in the box provided.

Step 10 - Transfer the Assembly Post-Consumer and Pre-Consumer Recycled Contents to Table 1, Columns E and F; insert the required information for the assembly into Table 1, Columns A, B, C and D.

Table 3 - Recycled Content Conversion Table (Pounds to %) *

A	B	C	D	E	F
Type of Material	Material Weight (lb)	Post-Consumer Recycled Content(lb)	Post-Consumer Recycled Content (%)	Pre- Consumer Recycled Content(lb)	Pre- Consumer Recycled Content (%)

* When the Post-Consumer and Pre-Consumer Recycled Content of any material are provided in pounds, Table 3 may be used for calculating the percentages of the recycled contents in each material. Table 3 shall not be used for assembly calculations.

Step 1 - Insert the type of material into Column A.

Step 2 - Insert the weight of material (provided by the manufacturer or other source) into Column B.

Step 3 - Insert the weight of Post-Consumer Recycled Content (provided by the manufacturer or other source) into Column C.

Step 4 - Insert the weight of Pre-Consumer Recycled Content (provided by the manufacturer or other source) into Column E.

Step 5 - Divide the values in Column C by the values in Column B; insert the Post-Consumer Recycled Content of each material in percentages into Column D.

Step 6 - Divide the values in Column E by the values in Column B; insert the Pre-Consumer Recycled Content of each material in percentages into Column F.

Step 7 - Transfer the percentages of Post-Consumer and Pre-Consumer Recycled Content from Column D and Column F to Table 1, Columns E and F.