

## Attachment 2 Calculating the Required Amount of Recycling

The Construction and Demolition Debris Recycling and Reuse Ordinance requires that 50 percent of total C&D debris generated by a project, be recycled or reused. The Ordinance allows that a maximum of 2/3 of the total C&D debris required to be recycled or reused be composed of inert materials (i.e. asphalt, brick, concrete, and ceramics).

This means that for every 100 tons of total C&D debris generated, 50 tons is required to be recycled. Of this 50 tons, 33.3 tons of inert material, may be credited for recycling or reuse. Other materials, such as wood, mixed C&D debris, metal, glass, and wall board, may be used to make up the difference. These other materials would comprise of 16.6 tons.

**Below is this example:**

<p><b>To find the <span style="color: blue;">Required Amount</span> that needs to be recycled or reused,</b></p>			
<p>Take the total C&amp;D debris times the <span style="color: red;">Required 50%</span></p> <p style="text-align: center;">↓</p> <p>(For example 100 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>X</p>	<p style="text-align: center;">↓</p> <p style="color: red;">(.50)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>to equal</p> <p style="text-align: center;">=</p> <p style="color: blue;"><b>The Required Amount</b></p> <p style="text-align: center;">↓</p> <p style="color: blue;">(50 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<p><b>To find the <span style="color: green;">Maximum Amount</span> of inert materials (exclusive of rock, soil, or gravel) that you can get credit for recycling or reusing,</b></p>			
<p>Take the <span style="color: blue;">Required Amount</span></p> <p style="text-align: center;">↓</p> <p style="color: blue;">(50 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>times</p>	<p>the <span style="color: red;">2/3 Maximum Allowed</span></p> <p style="text-align: center;">↓</p> <p style="color: red;">(.667)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>to equal <span style="color: green;"><b>The Maximum Amount of Credit for Inert Materials</b></span></p> <p style="text-align: center;">↓</p> <p style="color: green;">(33.3 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
<p><b>To find <span style="color: brown;">how much more</span> C&amp;D debris you need to recycle or reuse,</b></p>			
<p>Take the <span style="color: blue;">Required Amount</span></p> <p style="text-align: center;">↓</p> <p style="color: blue;">(50 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>minus</p>	<p><span style="color: green;"><b>The Maximum Amount of Credit for Inert Material</b></span></p> <p style="text-align: center;">↓</p> <p style="color: green;">(33.3 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<p>to equal</p> <p style="text-align: center;">=</p> <p style="color: brown;"><b>Amount of Non-Inert Materials to be Recycled or Reused</b></p> <p style="text-align: center;">↓</p> <p style="color: brown;">(16.6 tons)</p> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>

Remember, more inert material may be recycled, but for the Ordinance, you will only get credit for 2/3 or 66.7 percent of the total C&D debris required to be recycled or reused.