

City of Scottsdale
 Planning and Development
IGCC Worksheet - Reduced Impact Materials
 2021 International Green Construction Code (IgCC)

Project Name _____

Date _____

Completed by _____ Firm Name _____

IgCC Section 901.4.1 requires each building project to comply with any two of the following: 1) Recycled Content (min. 10% of total building materials used based on costs); 2) Regional Materials (min. 15% of total building materials based on costs); 3) Biobased Materials (min. 5% of total building materials based on costs); or 4) Environmental Product Declaration (EPD) for a minimum of 10 different products.

Material or Product	Building Element or Component	Material Properties (check ✓ where applicable)				Manufacturer	Is the material regionally manufactured within 500 miles of building site?	Percentage of Building Elements (where applicable)
		Recycl Content	Regional	Bio Based	EPDs			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								

IGCC Section 901.4.1 - Reduced Impact Materials. The building project shall comply with any two of the following: Sections 901.4.1.1, 901.4.1.2, 901.4.1.3, or 901.4.1.4. Only include materials permanently installed in the project.

901.4.1.1 Recycled content and salvaged material content. The sum of the recycled content and the salvaged material content shall constitute a minimum of 10% of building materials and products used, based on estimated cost of the total materials in the building project.

901.4.1.1.1 Recycled content. The recycled content of a material shall be the postconsumer recycled content plus one-half of the preconsumer recycled content, determined by weight (mass). The recycled fraction of the material in a product or an assembly shall then be multiplied by the cost of the product or assembly to determine its contribution to the 10% requirement.

901.4.1.2 Regional materials. A minimum of 15% of building materials or products used, based on estimated cost, shall be regionally extracted, harvested, recovered or manufactured within a radius of 500 miles of the project site. If only a fraction of a product or material is extracted/harvested/recovered or manufactured locally, then only that percentage (by weight) shall contribute to the regional value.

901.4.1.3 Biobased products. A minimum of 5% of building materials used, based on estimated cost, shall be biobased products. Biobased products shall:

- a. Comply with the minimum biobased contents of the USDA's BioPreferred Program;
- b. Contain the "USDA Certified Biobased Product" label; or
- c. Be composed of solid wood, engineered wood, bamboo, wool, cotton, cork, agricultural fibers, or other materials with at least 50% biobased content.

901.4.1.3.1 Wood building components. Wood building components used to comply with this requirement shall contain not less than 60% certified wood content tracked through a chain of custody process, either by physical separation or percentage-based approaches, or wood that qualifies as a salvaged material. Certified wood content documentation shall be provided by sources certified through a forest certification system with principles, criteria, and standards developed using ISO/IEC Guide 59 or the WTO Technical Barriers to Trade. Wood building components from a vendor shall be permitted to comply when the annual average amount of certified wood products purchased by the vendor, for which they have chain of custody verification not older than two years, is 60% or greater of their total annual wood products purchased.

901.4.1.4 Multiple-attribute environmental product declaration (EPD). A minimum of ten different products in the building project shall comply with one of the following subsections. An EPD is a disclosure of environmental impacts of a product over its lifetime. Declarations, reports, and assessments shall be submitted to the authority having jurisdiction (AHJ).

901.4.1.4.1 Industry-wide declaration. A Type III industry-wide EPD shall be submitted for each product. Where the program operator explicitly recognizes the EPD as fully representative of the product group on a national level, it is considered industry-wide. In the case where an industry-wide EPD only represents only a subset of an industry group, as opposed to being industry-wide, the manufacturer shall be explicitly recognized as a participant by the EPD operator. Each product complying with this section shall be counted as one product for compliance with Section 901.4.1.4.

901.4.1.4.2 Product-specific declaration. A product-specific Type III EPD shall be submitted for each product. The product-specific declaration shall be manufacturer-specific for a product family. Each product complying with this section shall be counted as two products for compliance with 901.4.1.4.

901.4.1.4.3 Third-party multiattribute certification. See IgCC code book.

901.4.1.4.4 Product life cycle. See IgCC code book.