


**Building Industry Institute**

Protocol Documentation

**Waste Management**

**CGB Waste Management Requirements: Divert or recycle at least 50% of the construction site waste. Some areas may not have recycling available for all targeted material. Alternative Methods listed below may be used in this case.**

**Typical Jobsite Waste:**

Residential construction typically generates 4.0 tons of recyclable/divertible waste products per 2000 s.f. home<sup>1</sup>. There are five categories of waste that are most commonly recycled or diverted from landfills:

1. Wood (1.50 tons)
2. Drywall (1.00 tons)
3. Cardboard (0.30 tons)
4. Metal (0.075 tons) and
5. Concrete (0.50 tons)

**CGB Waste Management Implementation:**

CGB Waste Management Requirements can be met in the following manner:

1. **Fill out the CGB Worksheet to estimate the amount of waste generated. Provide the following information:**
  - a) Conditioned Floor Area;
  - b) Number of lots in the project;
  - c) Targeted materials;
  - d) Identify reuse, recycling, or disposal method(s);
  - e) Specify alternative waste reduction methods or materials and;
  - f) Using the Waste Diversion Scopes of Work, meet with haulers to estimate the percentage of materials to be recycled or diverted and complete the Waste Diversion Facilities form (CGB-WDF).
2. **Notify CGB certified inspector<sup>2</sup> of Model Construction start date**
3. **CGB certified inspector shall inspect, verify and report on a sample basis**
  - a) Builder, subcontractor or waste hauler shall complete Waste Diversion Performance form (CGB-WDP) form or maintain a file of weigh tickets for all job-site waste hauled from the project as waste materials are removed from the jobsite. Builder shall maintain CGB-WDP or weigh tickets and keep them available for inspection by BII until at least 90 days after project completion.

**ALTERNATIVE METHOD TO MEET OR EXCEED WASTE MANAGEMENT REQUIREMENTS**

If diversion and/or recycling facilities do not exist in the locality, a CGB builder must work with local agencies to establish such facilities.

<sup>1</sup> Based on NAHB Research

<sup>2</sup> CGB certified inspector is a HERS Rater with additional CGB Training. CGB certified inspectors are independent third party contractors that must be retained and paid by CGB builders independent of CGB's certification fees.

### **CGB Worksheet Information:**

The CGB Worksheet consists of four sections (energy efficiency, air quality, waste management, and water conservation). The builder shall complete *each* section of an application to be valid. The builder shall complete one application and worksheet for each home plan in the community (subdivision). If the builder chooses to type in the information then print the form, calculations will be made automatically. If the builder chooses to print the form and fill it out by hand, the builder shall perform the calculations.

### **How to complete the Waste Management Requirements section of the Plan Worksheet**

Builder and waste hauler shall consult to estimate the types and amounts of waste materials to be recycled or diverted. Builder and waste hauler complete one or more Waste Diversion Facilities (CGB-WDF) forms with waste hauler information and the estimated percentages of waste materials to be recycled or diverted.

Part 1: Mark an X where appropriate.

Part 2: Determine the correction factor by calculating the following equation:

$$CFA_{(plan)} \div 2000 sf = \textit{Correction Factor}$$

Complete the formulas for each material, as indicated.

Part 3: Calculate the materials recycled or diverted from the site and indicate where noted using the estimates from form CGB-WDF. Equations for each type of material have been provided on the worksheet.

Part 4: Indicate alternative waste reduction methods and materials by marking an X in the appropriate fields.

As the materials are being removed by the haulers, the Waste Diversion Performance (CGB-WDP) form shall be filled out and signed by the hauler(s). The completed CGB-WDP form shall be available for inspection and verification by CGB Inspector. Or the hauler shall deliver a copy of each weigh ticket for each load of waste material hauled from the project.

Each ticket shall indicate:

1. Type of material;
2. Date of haul;
3. Weight of material; and
4. Name and address of diversion, recycling, or waste disposal facility that accepted the material.