Construction & Demolition Waste Diversion

LEED v5 Requirements

Construction and Demolition Materials Management Plan

Develop and implement a construction and demolition (C&D) materials management plan for the deconstruction/ demolition and construction phases. This plan should begin in project design, prior to construction.

AND

Waste Diversion

Divert C&D waste materials from area landfills by using the following strategies:

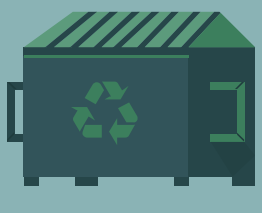
- Source-separated materials. Considered 100% diverted for credit calculation purposes. Includes:
  - Recovered materials sent to a single-material recycler
  - Materials sent to a qualifying manufacturer or industry take-back program
  - Salvaged materials, which are valued at twice the diversion rate (200%) of other diverted materials for credit calculation purposes and include recovered materials sent off-site for reuse
- Mixed C&D materials sent to a processing facility for recovery will use the facility's annual average recycling rate (if third party verified).

Earning Points

Divert at least **50%** of the total C&D materials. At least **10%** of diverted materials must be salvaged or source-separated and sent to single-material recycler(s).
1 point

Divert at least **75%** of the total C&D materials. At least **25%** of diverted materials must be salvaged or source-separated and sent to single-material recycler(s).
2 points

C&D PLAN



Summarize materials targeted for diversion, identify recycling haulers, single-material facilities, mixed C&D facilities, and reporting procedures.

Indicate whether the selected recycling facilities that process mixed C&D materials have third-party verification of their recycling rates.

Identify strategies to reduce the total amount of waste generated during construction, renovation, or demolition.

IMPORTANT STEPS

Track all renovation and demolition debris generated by the project.

Alternative daily cover (ADC) cannot be counted as diverted waste but must be included in total waste. Request detailed documentation of each facility's average ADC rates per month.

Salvaged materials must be sent to legitimate off-site salvage and reuse vendors or markets. Destinations must either directly reuse the materials or place them into a marketplace for distribution, sale, or reuse.

Hazardous waste, land-clearing debris, soil, and landscaping materials must be excluded from calculations.



FOR COMMINGLED WASTE:

Project teams should seek out recycling facilities for which recycling rates have been independently certified by an approved third-party process, such as Recycling Certification Institute. Recycling rates not verified by a third party must assume a maximum 35% diversion rate.

TIPS

- Identify materials that will be diverted. Common C&D waste materials include concrete, metals, brick, wood, and cardboard. Additional sources may include carpet, ceilings, gypsum board, and furniture.
- Ensure calculations for all materials are done by weight. If a facility does not have scales, use a volume-to-weight conversion factor or national averages.
- Track any demolition waste you have - this could be a large portion of your total diverted waste.
- If multiple dumpsters will not fit on the project site, consider rotating material streams that are collected. E.g. Start with steel and concrete, and then rotate to wood and sheetrock.
- For commingled C&D waste, locate recycling facilities that have received independent third-party certification of their recycling rates.

CREDIT DOCUMENTATION

- Provide the Construction and Demolition Materials Management Plan.
- Complete the v5 Construction and Demolition Waste Diversion calculator.

Diverted Materials
Provide supporting documentation for all diverted materials (such as recycling facility tickets, hauler reports or invoices, receipts, etc.). For all source-separated materials, demonstrate that each material is sent to a specific recycling facility or sent for reuse. For any mixed C&D materials diverted, identify whether the facility's recycling rates are verified by a third party.

Diversion Rate
Provide documentation from the processing facility showing the facility annual average diversion rate.

Third-party verification
Show evidence of third-party verified certification for the processing facility's diversion rate(s). Recycling rates not verified by a third party must assume a maximum recovery rate of 35%.

Waste materials
Provide documentation for all waste materials (such as waste tickets, hauler reports or invoices, receipts, etc.). Ensure all documentation corresponds to the LEED v5 C&D Waste Diversion Calculator (including facility name, material type, weight, date/tracking number).