

OP 20: Construction and Demolition Diversion

1 point available

A. Credit Rationale

This credit recognizes institutions that have diverted construction and demolition (C&D) wastes. Construction and demolition is a significant source of waste that falls outside of an institution's standard waste stream and may be handled by a separate contractor or waste hauler.

B. Criteria

Institution diverts non-hazardous [construction and demolition waste](#) from the landfill and/or incinerator.

Soil and organic debris from excavating or clearing the site do not count for this credit.

C. Applicability

This credit applies to all institutions that have conducted a major construction, renovation and/or demolition project in the three years prior to the anticipated date of submission.

D. Scoring

Institutions earn the maximum of 1 point available for this credit by diverting all of their non-hazardous construction and demolition waste from the landfill or incinerator in a one-year period. Incremental points are awarded based on the percentage of waste that is recovered. For example, an institution that diverts 50 percent of its construction and demolition waste would earn 0.5 points (half of the points available for this credit).

Points for this credit are calculated automatically in the STARS Reporting Tool as follows:

C&D waste recycled, donated or otherwise recovered		C&D waste landfilled or incinerated		Total amount of C&D waste generated (recovered + disposed)
_____	+	_____	=	_____

Factor		C&D waste recycled, donated or otherwise recovered		Total amount of C&D waste generated (recovered + disposed)		Points earned
1	×	_____	÷	_____	=	Up to 1

E. Reporting Fields

Required

- Construction and demolition materials recycled, donated, or otherwise recovered during the most recent year for which data is available within the previous three years (short tons/tonnes)
- Construction and demolition materials landfilled or incinerated during the most recent year for which data is available within the previous three years (short tons/tonnes)

Optional

- A brief description of programs, policies, infrastructure investments, outreach efforts, and/or other factors that contributed to the diversion rate for construction and demolition waste
- The website URL where information about the programs or initiatives is available
- Additional documentation to support the submission (upload)
- Data source(s) and notes about the submission
- Contact information for a responsible party (a staff member, faculty member, or administrator who can respond to questions regarding the data once it is submitted and available to the public)

F. Measurement

Timeframe

Report on the most recent data available for a one-year period from within the three years prior to the anticipated date of submission.

Sampling and Data Standards

Waste figures measured in volume may be converted to weight using the conversion factors for construction debris provided by [CalRecycle](#), other state or provincial authorities, or the guidance provided by the [United Nations Environment Programme](#) (UNEP).

G. Standards and Terms

Construction and demolition waste

Consistent with the U.S. Environmental Protection Agency (EPA), construction and demolition (C&D) materials consist of “the debris generated during the construction, renovation, and demolition of buildings, roads, and bridges. C&D materials often contain bulky, heavy materials, such as concrete, wood, metals, glass, and salvaged building components.”

Scoring Example: Construction and Demolition Waste Diversion

Example University had two major construction projects during the past year. These projects generated the following C&D materials:

- 50 tons of C&D materials that were recycled
- 10 tons of C&D materials that were donated
- 40 tons of C&D materials that were landfilled

Materials recycled, donated or otherwise recovered = $50 + 10 = 60$

Total amount of C&D waste generated = 100

C&D waste recycled, donated or otherwise recovered		C&D waste landfilled or incinerated		Total amount of C&D waste generated (recovered + disposed)
60	+	40	=	100

Factor		C&D waste recycled, donated or otherwise recovered		Total amount of C&D waste generated (recovered + disposed)		Points earned
1	×	60	÷	100	=	0.6