

CALGreen Embodied Carbon Voluntary Measures Flow Chart

Project Scoping

Compliance Path(s)

Compliance Documents

Commercial (CBSC) Building Project

Area limit as per local ordinance

Y

N

No CALGreen Embodied Carbon Requirements

School (DSA) Building Project

Area limit as per local ordinance

Y

N

No CALGreen Embodied Carbon Requirements

Building Types not under DSA or CBSA (examples: residential uses HCD; Medical OSHPOD; Infrastructure (non building))

N

No CALGreen Embodied Carbon Requirements

Reuse of at least 45% of existing building structure and exterior; and total addition area is less than double the area of the existing structure

Y

or

or

N

Building Reuse

Over or equal 50,000 sq ft
Tier 1 A5.105.2
Tier 2 A5.105.2

Under 50,000 sq ft
Tier 1 A5.105.2
Tier 2 A5.105.2.1

> 60% reuse (local AHJ option)*

Y

N

Simple Area Analysis

Detailed Component Analysis Section 5.105.2

Prescriptive

Over or equal 50,000 sq ft
Tier 1 A5.409.3 Tier1 col
Tier 2 A5.409.3 Tier 2 col

Under 50,000 sq ft
Tier 1 A5.409.3 Tier1 col
Tier 2 A5.409.3 Tier1 col

Provide EPD for listed materials (steel, glass, mineral wool, concrete) with lower than specified GWP limits Section 5.409.3

Performance

Over or equal 50,000 sq ft
Tier 1 A5.409.2.1
Tier 2 A5.409.2.2

Under 50,000 sq ft
Tier 1 A5.409.2
Tier 2 A5.409.2.1

Provide Whole Building Lifecycle Assessment demonstrating 10% lower embodied carbon emissions than a baseline project design. Section 5.409.2

Projects \geq 50,000 sf – more strict requirements to comply with: (VERIFY)
Tier 1 - Sections A5.105.2.1 (reuse Tier 1) or A5.409.2.1 (WBLCA Tier 1) or A5.409.3 (GWP limits for Tier 1).
Tier 2 - Sections A5.105.2.2 (reuse Tier 2) or A5.409.2.2 (WBLCA Tier 2) or A5.409.3 (GWP limits for Tier 2).

Projects < 50,000 sf – less strict requirements to comply with:
Tier 1 - Sections 5.105.2 (reuse mandatory) or 5.409.2(WBLCA mandatory) or 5.409.3 (GWP mandatory).
Tier 2 - Sections A5.105.2.1 (reuse Tier 1) or A5.409.2.1 (WBLCA Tier 1) or A5.409.3 (GWP limits for Tier 1).

*The local AHJ is encouraged to consider allowing a simpler compliance paperwork package in instances where significant savings of an existing building are evident, and a detailed analysis can be foregone. This kind of flexibility saves time and money for both the AHJ and the applicant.