

DEQ Low Embodied Carbon Housing Program: Roadmap to Success

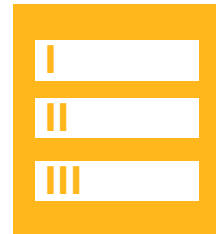
PART 1: STARTER RESOURCES

Watch Program Overview video



Watch this [video](#) for an introduction to embodied carbon, key program requirements, and the pathways to achieve compliance. The video explains embodied carbon reduction strategies in general and then dives deeper into the four different pathways to compliance and the advantages and challenges associated with each pathway.

Dive into Factsheets I-III



Refer to these three factsheets for a crash course:

1. A fundamental [introduction into embodied carbon](#), how to measure it, and how it affects housing emissions.
2. An [introduction to EPDs](#), how to obtain them, and how to use them on projects.
3. An [introduction to project LCAs](#) and how to use them to make reductions on projects.

Evaluate the Compliance Guidebook



Read the [Low Embodied Carbon Compliance guidebook](#) for the full embodied carbon requirements of the program. This includes detailed information for each pathway including: intent, scope, covered product types, required data, and reporting requirements. This guide should be used alongside [DEQ's Applicant Guidebook](#), which provides an overview of the wider grant program and eligibility criteria.

TECHNICAL ASSISTANCE

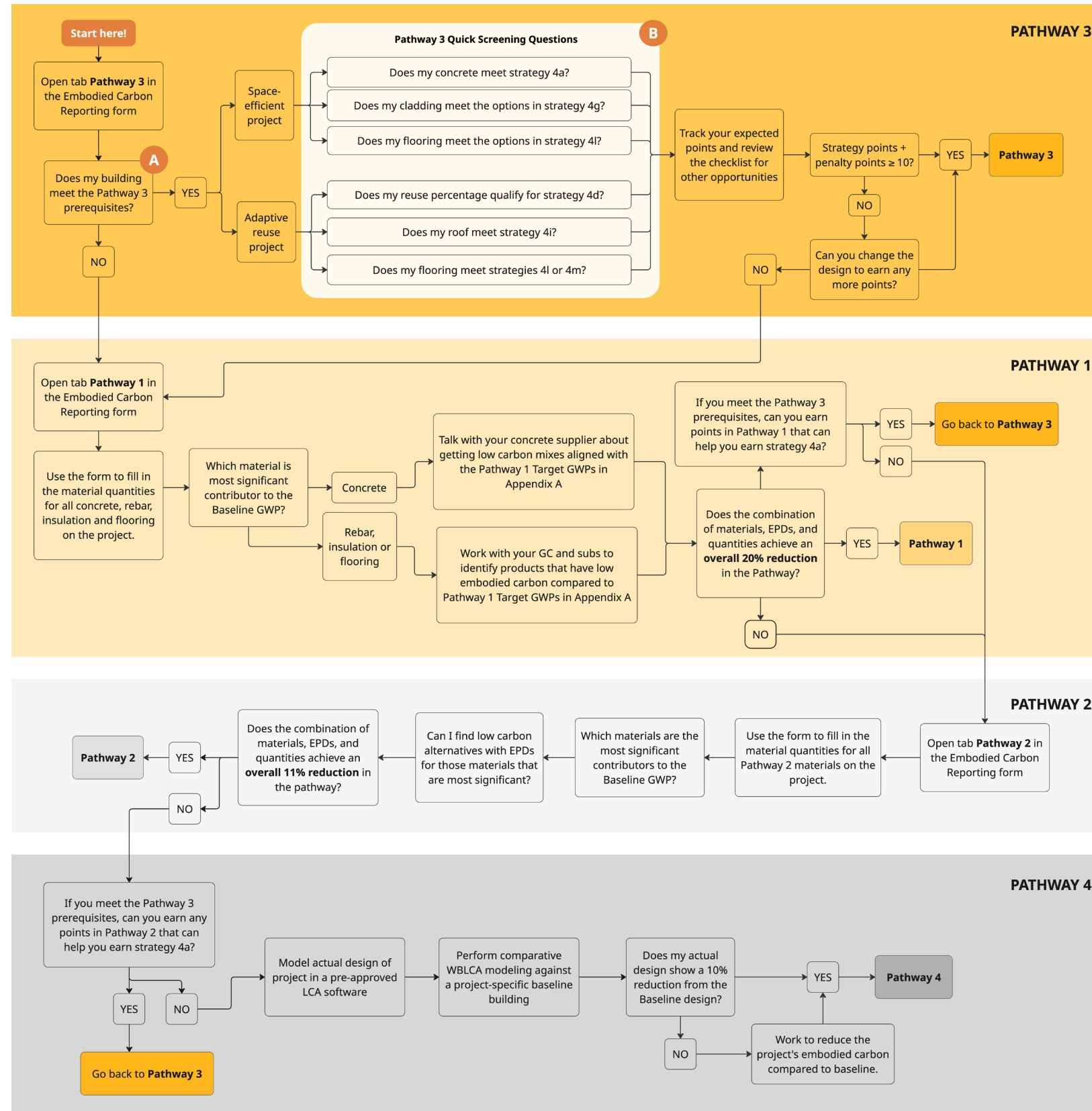
DEQ and CLF aim to help teams achieve program compliance and receive accompanying incentives. For any questions teams have, including more information about what kind of support CLF can provide, please email deqhousing@carbonleadershipforum.org for quick technical assistance.

LEARNING COHORTS

CLF will host training cohort learning meetings to complement the technical assistance support. The cohorts will serve as combined training for city and county agencies and interested project team applicants. Email deqhousing@carbonleadershipforum.org to get updates related to this programming.

PART 2: PATHWAY FINDER

After reviewing the resource materials in Part 1, the flowchart below will help the project team choose the best fit pathway



PART 3: TECHNICAL RESOURCES

Review the Model Specifications Factsheet



The [Model Specifications Factsheet](#) outlines how a project team can ensure their low embodied carbon design intentions become documented requirements for construction. Communicating lower embodied carbon design requirements is typically done via specifications and/or plan notes. Specifications are a part of the contract documents and support alignment between design intent and actual outcomes.

Analyze and tailor the Model Specification Package to suit



If your project is using specifications, CLF has provided [sample specifications](#) meant to serve as a foundation for project teams to take and adapt to their specific projects. The sample specifications provides guidance for submittal requirements related to Pathway 1 but could be adapted and extended for use with Pathway 2. **NOTE: These specifications do not constitute professional advice, and should be used at the discretion of the design team.**

Explore the Embodied Carbon 101 Playlist



This [playlist](#) provides a selection of videos to support housing project teams in meeting the 10% embodied carbon reduction requirement identified in the program approach. These resources introduce key concepts and explain important embodied carbon topics that will arise in using the program's pathways. While these videos are not specific to this program, they offer an additional resource to learn about embodied carbon reductions.

ADDITIONAL NOTES

See [Compliance Guidebook](#) for more details and definitions.

- A** Pathway 3 Prerequisites:
- Majority Type V construction
 - No new attached parking
 - No new HFC-based insulation
 - Carpet is <30% of the flooring area
 - No synthetic stucco (EIFS) or brick as exterior cladding

- B** Brief summary of these top strategies:
- 4a - Cement content adheres to Tier 1 or 2 limits. Or earning points from Pathways 1 or 2
 - 4g - Exterior cladding is mostly engineered wood, natural wood, or salvaged materials.
 - 4l - New interior flooring is primarily cork, linoleum, earthen, hardwood, engineered wood, bamboo, or ceramic tile.
 - 4d - Significant share of structure and enclosure is reused
 - 4i - Newly installed roofing is clay tile.
 - 4m - Interior flooring is salvaged material.