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# EMBODIED CARBON ACTION PLAN

2025

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ARRANGED BY:  
CHRIS HEWITT

JARED GONZALEZ

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# Who We Are

At Hollingsworth Pack Austin, we are a dedicated team of structural engineers committed to pushing the of design excellence and environmental responsibility. Our mission is to create safe, sustainable and high-performance structures that not only meet the needs of our clients but also contribute to the well-being of the planet.

Our design philosophy focuses on optimizing materials, energy efficiency, and structural integrity, ensuring every project is built to last while minimizing its environmental footprint.

We believe structural engineering can be a catalyst for change. Through our passion for sustainability, we work alongside architect, developers and contractors to produce buildings that are not only resilient and functional but also reduce emissions, conserve resources, and contribute to the health of our planet.



**Chris Hewitt**

Embodied Carbon  
Champion, PE, SE, Partner  
of Hollingsworth Pack



# Education

In 2024, Hollingsworth Pack adopted and implemented cutting-edge programs to reduce carbon emissions in structural systems. By utilizing this software for life cycle analysis and carbon footprint assessment, we can design more sustainable structures that optimize material use and efficiency. In 2024, we worked closely with clients to integrate these solutions, ensuring that each project not only meets functional needs but also aligns with the goal of minimizing environmental impact. We plan to continue our education to clients and peers this coming year by utilizing the following:

- ➔ Our embodied carbon champion will actively collaborate with peers and clients to share knowledge, best practices, and solutions focused on reducing embodied carbon. We also plan to engage our Colorado office in our sustainability efforts to promote embodied carbon reduction across all of our structural locations.
- ➔ Our team will provide the publicly available 'Embodied Carbon 101' webinars to our employees. We will also have a lunch and learn to go over the first webinar and collaborate on ideas and questions to further our efforts on reducing embodied carbon in our structural design.
- ➔ We will continue to educate our BIM team and employees on the latest Revit tools and add-ons designed to calculate embodied carbon in structural systems. We will ensure seamless integration of carbon calculation tools within Revit workflows, enabling team members to easily incorporate sustainability metrics during the design phase.



# Reporting

## ➡ Project Submissions

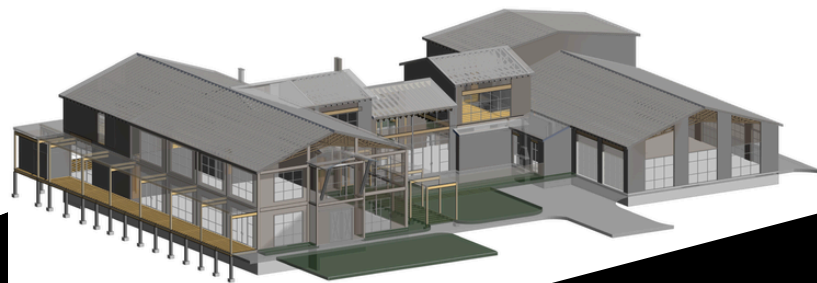
Our firm will continue to submit two projects each year and work to increase the number of analysis done on projects each year. This year our firm will submit three projects, one of which analysis was done pre-construction and collaborated with our clients to provide solutions to reduce embodied carbon.

## ➡ Comparisons

In this years submissions, we will have completed analysis of each major materials. We will gather projects from previous submissions and compare each to see the difference in embodied carbon produced by each material. We will also compare embodied carbon produced on different buildings depending on our effort to reduce emissions.

### 2024 Milestones

- ➡ Incorporate embodied carbon analysis in our first project pre-construction
- ➡ Work on solutions to reduce EC with architect and peers





# Reduction

## ➡ Goals Ahead

Continuing to report projects that represent 5% of our revenue is crucial for maintaining transparency and ensuring that all areas of carbon analysis are aligned with our future goals. By tracking the results of each project, we can assess their impact on overall performance, identify areas of improvement, and optimize future projects.

## ➡ Additional Goals

- Continue to work with concrete suppliers to create mix designs that reduce embodied carbon. This includes selecting low-carbon materials, such as supplementary cementitious materials (SCMs) like fly ash or slag, adjusting cement content, and optimizing the mix for strength and durability while maintaining performance standards.
- We will communicate embodied carbon impacts to different clients. This communication will tailor to each client's level of understanding and concerns, ranging from those with environmental priorities to clients focused on cost or performance. These conversations can focus on how solutions can be successfully implemented to reduce embodied carbon. Our goal is to demonstrate strategies that can lead to reduced carbon footprints while meeting the project's objectives.



# Advocacy

- We will continue to advocate our SE 2050 commitment at all structural offices and actively promote the goals of the SE 2050 initiative. Some actions that we will take are providing training sessions and discussions on embodied carbon reduction strategies. By continuously advocating for the SE 2050 commitment, we will inspire both staff and clients to prioritize sustainable engineering solutions.
- We will continue to declare our firm as a member of the SE 2050 Commitment on our LinkedIn and our company website.
- We will mentor our firm to create a strong, knowledgeable team that foster a culture of learning and awareness. We will promote ongoing dialogue, collaboration, and knowledge sharing across teams to ensure that embodied reduction becomes part of our firm's standard practice.



# Our Team

## ⊕ Embodied Carbon Champion



Chris Hewitt  
PE, SE

## ⊕ Structural PE



Pratik Vilas  
Khivansara



Pratima  
Chitrakar



Albert  
Limantono



Steven Austin

## ⊕ Structural EIT



Stephen Svatek



Jared  
Gonzalez



Joe Cavazos



Manan Naik

## ⊕ Revit/CAD Technicians



Josh Meucci



Anthony Segura



Gabrielle  
Rodriguez





# Contact Us



[www.hollingsworthpack.com](http://www.hollingsworthpack.com)



[chris.h@holl-pack.com](mailto:chris.h@holl-pack.com)



512-275-6060