



EMBODIED CARBON ACTION PLAN

2026

ARRANGED BY:

CHRIS HEWITT STEPHEN SVATEK

Table of Contents

Who We are	03
Education	04
Reporting	05
Reduction	06
Advocay and Knowledge Sharing	07
Our Team	08

Who We Are

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

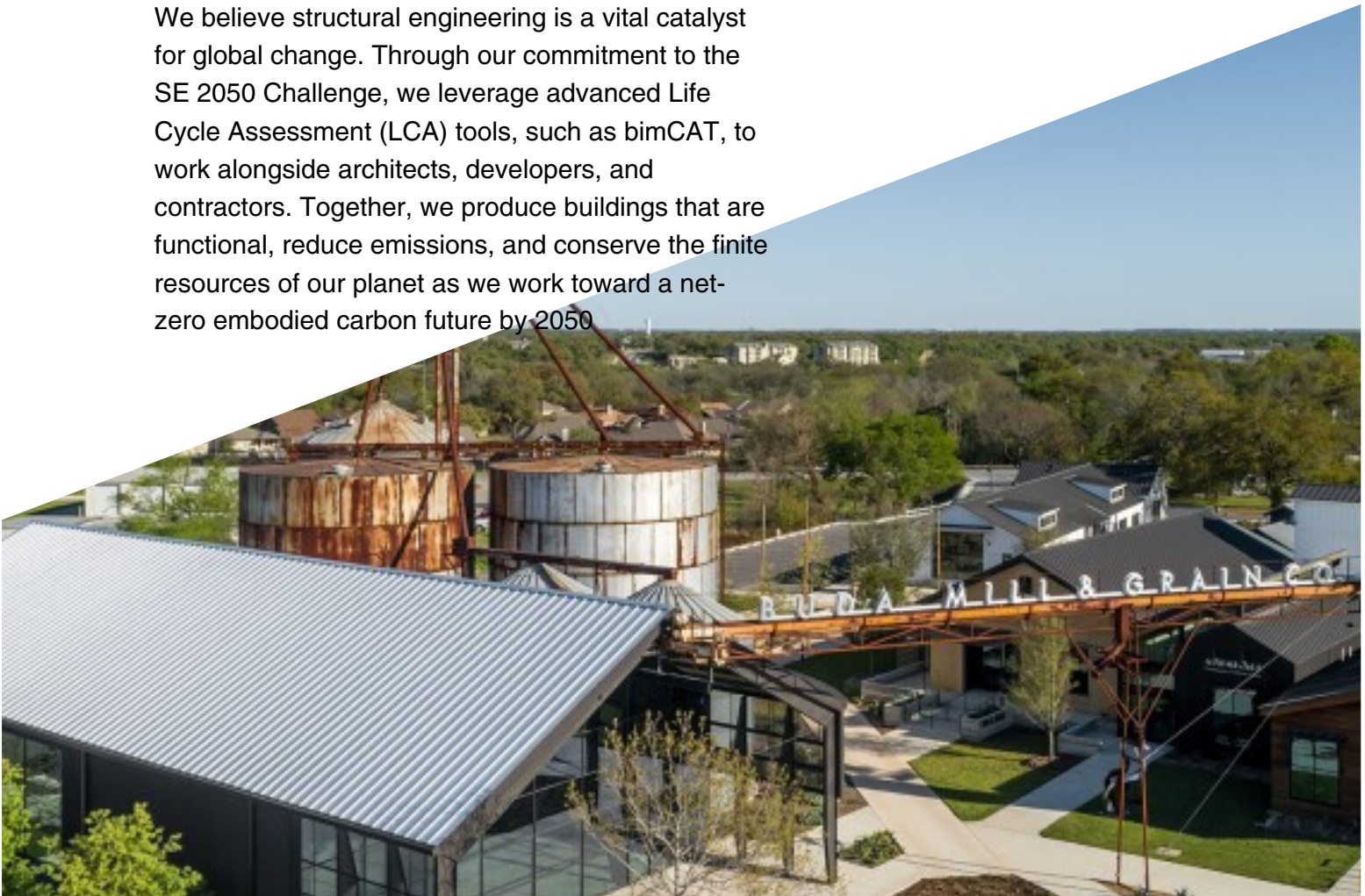
Our design philosophy has evolved to focus on optimizing materials, energy efficiency, and structural integrity, ensuring every project is built to last while minimizing its environmental footprint.

We believe structural engineering is a vital catalyst for global change. Through our commitment to the SE 2050 Challenge, we leverage advanced Life Cycle Assessment (LCA) tools, such as bimCAT, to work alongside architects, developers, and contractors. Together, we produce buildings that are functional, reduce emissions, and conserve the finite resources of our planet as we work toward a net-zero embodied carbon future by 2050.



Chris Hewitt

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



Education

In 2026, Hollingsworth Pack will advance its commitment from internal foundational training to external industry leadership and the practical implementation of sustainable structural standards.



Synergy Between Operational & Embodied Carbon:

Building upon our recent architectural roundtables with Michael Hsu Office of Architecture and Webber + Studio, we will educate our staff on the critical intersection of structural design and building performance. This curriculum includes analyzing how specific structural components, such as thermal breaks, optimize operational energy efficiency while carefully balancing the lifecycle embodied carbon footprint of the materials themselves.



Client & Peer Advocacy:

To ensure sustainability is a primary objective from the beginning of a project, we will continue to present the technical resources we have in our possession to our staff and clients. This practice establishes a shared technical language and ensures that carbon reduction strategies are integrated into the initial project kickoff.



Internal Growth & Knowledge Transfer:

Our Embodied Carbon Champion will continue to spearhead firm-wide efforts by establishing annual reduction targets and facilitating "lessons learned" debriefs following project completions. These sessions ensure that specialized knowledge (including the standardized implementation of our new carbon-reduction general notes) is seamlessly shared across all structural employees and offices.



Reporting

➡ Project Submissions

Hollingsworth Pack continues its commitment to submitting a minimum of two projects annually to the SE 2050 database while consistently expanding the depth and scale of our carbon tracking workflows. For this reporting cycle, our submissions highlight a diverse contrast in structural systems to better understand material performance:

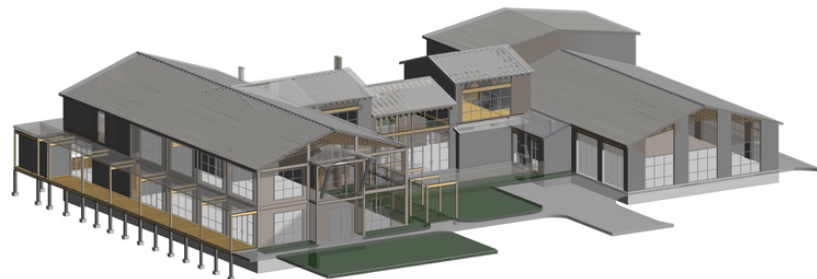
- Large-Scale Steel & Concrete: The first project represents one of our largest footprints to date by gross square footage, providing critical benchmarking data for a conventional steel and concrete framing configuration.
- Mass Timber & CLT: The second project showcases an innovative mass timber and Cross-Laminated Timber (CLT) design, allowing our team to evaluate the carbon sequestration benefits of bio-based structural systems.

➡ Comparisons

In this year's cycle, we have finalized a comprehensive carbon analysis across all primary structural material categories used in these projects. By aggregating data from current and prior reporting cycles, we can cross-reference our findings to isolate the variance in embodied carbon inherent to different material selections, strengths, and framing configurations. This comparative framework allows us to evaluate the empirical performance of our designs, contrast standard concrete/steel baselines against mass timber typologies, and measure how targeted structural reduction strategies directly influence overall emissions across different building scales.

2025 Milestones

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



Reduction

➔ Goals Ahead

2026 Implementation: Structural General Notes

In 2025, Hollingsworth Pack successfully tracked projects representing 5% of our revenue to identify carbon reduction trends. For the 2026 cycle, we have moved from tracking to active specification. We have developed and implemented a standardized "Embodied Carbon Reduction Guidance" section within our Structural General Notes. These specifications help start the conversation with General Contractor's and Building Owner's about some tradeoffs between cost and sustainability.

- Concrete & Cement Standards: Our standard notes now mandate that Portland Limestone-Cement (PLC) must conform to ASTM C595 Type IL with a 15% limestone content.
- SCM Maximization: We now permit extending minimum compressive strength requirements to 56 days to allow for higher Supplementary Cementitious Material (SCM) content, such as fly-ash and slag, without limiting content provided ACI test data is approved.
- Certified Material Sourcing: Our specifications require all structural steel and concrete reinforcement to be EPD (Environmental Product Declaration) certified, with strict limits on CO2 equivalent per metric ton of steel produced.
- Bio-Based Materials: We have standardized the requirement for FSC Certified wood for all framing, trusses, decking, and sheathing to ensure responsible carbon sequestration through the chain of custody.

➔ Future Reduction Goals

- Expand Revenue Tracking: We will continue tracking embodied carbon for projects representing at least 5% of revenue to assess the real-world impact of our new general notes.
- Early Phase Analysis: Where feasible, we will utilize Carbo Life Calculator and bimCAT during the concept phase to provide clients with "carbon-optimized" framing options before finalizing construction documents.
- Direct Supplier Engagement: We will work closely with regional concrete suppliers to refine low-carbon mix designs that meet our performance standards while further reducing cement content.

Advocacy

In 2025, Hollingsworth Pack focused on firm-wide awareness and digital presence. For the 2026 reporting cycle, we have expanded our advocacy to include direct technical collaboration with our architectural partners and material suppliers to accelerate the adoption of low-carbon structural systems.

Architectural Sustainability Roundtables: We have launched a successful series of technical roundtables with prominent firms, such as Michael Hsu Office of Architecture and Webber + Studio, specifically focused on the intersection of structural design and carbon emissions. These sessions address critical topics like the implementation of structural thermal breaks and the real-world application of the SE 2050 commitment.

Standardizing Best Practices: We are actively advocating for the adoption of our "Embodied Carbon Reduction Guidance" general notes as a baseline for all projects. By sharing these specifications early in the design process, we empower architects and developers to make carbon-informed decisions before construction begins.

Supplier Engagement and EPD Incentives: We will engage with regional concrete and steel suppliers to communicate the necessity of facility-specific Environmental Product Declarations (EPDs). By specifying strict CO2 limits in our contract documents, we are helping to incentivize the availability of low-carbon material options in our construction markets.



Our Team

Embodied Carbon ➔ Champion



Chris Hewitt
PE, SE

➔ Structural PE



Pratik Vilas
Khivansara



Stephen Svatek



Albert
Limantono



Manan Naik



Francisco
Romo de Vivar

➔ Structural EIT



Jared
Gonzalez



Luis Leyva

➔ Revit/CAD Technicians



Josh Meucci



Anthony Segura



Gabrielle
Rodriguez



Contact Us



www.hollingsworthpack.com



chris.h@holl-pack.com



512-275-6060