

SE 2050 ECAP Submission Form

Email *

sina.flynn@littleonline.com

Firm Name *

Sina

Education

The first step to increased engagement within your firm is through education. We all should strive to understand the impacts of our design decisions and their effects on our environment.

Distribute firm-wide announcement of your firm's pledge to join the SE 2050 Commitment. *



Completed



Not Completed

Provide a brief narrative describing how your firm is promoting a firm-wide education program for embodied carbon reduction and the firm's commitment to SE 2050. *

As a multi-disciplinary firm, which includes Architecture and Engineering, Little has a structured educational platform that focuses on Regenerative Outcomes and our commitments such as SE 2050, AIA 2030, AIA Materials Pledge, and MEP 2040. Little's Regen CoLab has structured a monthly newsletter, New from the Regen CoLab, which focuses on regeneration education and topics such as embodied carbon, project highlights, and the firm's measurements. In addition, Little provides quarterly firmwide events or education sessions on important topics, such as embodied carbon, integrated process, and design tools so that everyone at Little, no matter their role understands how they can support the firm's commitments. The quarterly events are a balance of training and community volunteer activities. In addition, the Regen CoLab offers weekly "office hours" providing a safe, collaborative platform to ask questions and problem solve.

Name of Embodied Carbon Champion (Point Person) *

SINA FLYNN

Email of Embodied Carbon Champion *

sina.flynn@littleonline.com

Phone number of Embodied Carbon Champion *

7045614587

LinkedIn URL

<https://www.linkedin.com/company/little-diversified-architectural-consulting>

Set a date within the first year to present the “Embodied Carbon 101” Webinar to your firm. Incorporate this information into your orientation/on-boarding programs.

*

- ☒ Committed / Completed
- ☐ Not Committed / Not Completed

Minimum (1) additional elective to educate your firm about embodied carbon and a narrative of its significance.

*

- ☒ Committed / Completed
- ☐ Not Committed / Not Completed

ELECTIVES (Min. (1) required, recommended to achieve (4) per year): *

- ☒ Have one representative of your firm (any employee) attend quarterly external education programs (e.g. webinar, workshop) provided by SE 2050, Carbon Leadership Forum (CLF), or other embodied carbon resources.
- ☒ Share the SE 2050 library of resources with technical staff.
- ☒ Share embodied carbon reduction strategies with your firm as outlined in Top 10 Carbon Reducing Actions for Structural Engineers document produced by SE 2050.
- ☐ Nominate a minimum of (1) employee per office to participate in a CLF Community Hub.
- ☒ Provide narrative outlining plans for minimum (2) firm-wide presentations per year on the topic of embodied carbon
- ☐ Present the document, “How to measure and report embodied carbon” to all technical staff.
- ☒ Attend a presentation or demo of an LCA-based tool used to calculate embodied carbon.
- ☒ Initiate an embodied carbon interest group within your firm and provide a narrative of their goals.
- ☐ Provide a narrative of how the Embodied Carbon Reduction Champion will engage embodied carbon reduction at each office. (intended for multi-office firms)
- ☒ Other actions you feel appropriate and a narrative for why.

Elective Narrative (Optional):

Material transparency for any type of materials used. Standard for selecting materials.

Reporting

Quality data is essential to making informed decisions and setting important benchmarks and the development of appropriate embodied carbon reduction targets. The SE 2050 database is a central component to building a successful Commitment Program and reaching our collective embodied carbon reduction goals by 2050.

Submit an annual minimum of (2) projects per U.S structural office or (5) total projects for the firm to the SE 2050 Database.

*

- ☐ Completed
- ☒ Committed and on track
- ☐ Need help reaching this target
- ☐ Not Completed

Number of Projects Reported Last Year (zero in first year)

6

Number of Offices Reporting Last Year (zero in first year)

2

Provide a narrative on how your firm plans to measure, track, and report embodied carbon data. *

Little is currently measuring embodied carbon and operational carbon through data collection. From employee's personal footprint, historical data, and measuring our office footprints, Little is establishing our overall carbon impact based on Scope 1, 2, and 3. For our clients, Little is providing embodied carbon analysis through the use of One Click LCA. We will continue to work to improve the process to broaden the reach of data sharing with our clients, staff, and partners. At minimum, we strive to provide EC analysis as a project deliverable report out to build awareness of the global warming impact on a broader project scale. The data is provided to our clients, published in our Firm's Annual Sustainability Report, and communicated to staff through our online platforms. We will report the data to SE2050, AIA 2030, and post results on our website.

Describe the internal training for embodied carbon measurement you provided or will provide. *

We continue to provide more pointed educational opportunities. This includes a series on carbon. Our educational series including virtual sessions and electronic educational postings. Little continues to elevate the need to understand what it is, what impacts it, and then how Little takes action. Little is also focused on starting each project with a focus on Data Driven Design, embodied carbon measurements are included in this focus. A centralized resource group is collaborating with project teams to lower embodied carbon at the project level.

ELECTIVES (Not required, recommended to achieve (1) per year):

- ☐ Submit all projects to the SE 2050 Database
- ☒ Meet your target average embodied carbon reduction from the previous year.
- ☒ Report a greater percentage of projects than the preceding year.
- ☐ For a project submitted to the database, ask the Architect or Owner if the project has a carbon budget or if there are established project sustainability goals at the project kickoff meeting.
- ☐ Other actions you feel appropriate and a narrative for why.

Elective Narrative (Optional):

Embodied Carbon Reduction Strategies

Embodied carbon reduction of structural materials is the ultimate goal of the SE 2050 program. As a starting point, you will have access to the SE 2050 project database and Program resources to identify and set strategies. This section

also serves to share lessons learned and incite innovation. Demonstrate leadership by not only applying, but developing best practices and actively collaborating with the design community. This is our profession's opportunity to take action and make an impact.

Set an EC reduction goal for the coming year and an implementation narrative (Qualitative goals focused on education are appropriate for the first year) *

Little's goal of EC reduction will remain at 30 percent on projects. This will be incrementally raised as a more robust process is set in place, including staffing. Our focus will be on revising documents to support this goal, the education and training of project teams, elevating market materials, and increasing the number of project analysis that are performed. Performing the analysis, collecting the data, and reporting the data is key for progress at Little and as an industry. This is a multiprong approach that requires different tools and processes to allow for flexibility based on project types.

For second year's ECAP and beyond, provide a narrative about what you have learned about embodied carbon reduction in the past year. Describe successes and misses to help the program improve.

Little has learnt and continues to learn that embodied carbon reduction requires an integrative approach from several stakeholders, not just the designers, and engineers. Education and great communication are required to make measurable impacts. In addition, flexibility is vital with the tools and approach to each project. Focused champions are necessary to advocate and continue to push forward. Successes have been through education and discussing results of carbon analysis at the early stage of a project and even after a project is complete for lessons learned. Misses are through the assumptions that project members will make this a priority or have the time to make this a priority. Embodied Carbon requires a diverse team of professionals bringing their knowledge (Engineer, Architect, Specifier/Materials Expert, Trade Partners, Contractor, and Owner at minimum).

Minimum (1) additional elective to educate your firm about embodied carbon and a narrative of its significance. *

☒ Committed / Completed

☐ Not Committed / Not Completed

ELECTIVES (Min. (1) required, recommended to achieve (4) per year): *

- ☐ Incorporate data visualization into your ECAP. How are you looking at data to make informed design decisions and communicate design options to your clients?
- ☐ Provide a project case study in your ECAP that captures a reduction of embodied carbon or some lessons learned.
- ☒ Create a project-specific embodied carbon reduction plan.
- ☒ Complete a system embodied carbon design comparison study during the project concept phase.
- ☒ Participate in a project LEED design charrette and speak to potential design considerations impacting embodied carbon.
- ☒ Calculate your firm average benchmark for embodied carbon.
- ☒ Update your specifications and incorporate embodied carbon performance. Include embodied carbon in your submittal review requirements.
- ☒ Collaborate with your concrete supplier to reduce embodied carbon in a mix design.
- ☒ Work with a contractor during material procurement to meet an embodied carbon performance criteria on at least (1) project.
- ☐ Have an Environmental Product Declaration (EPD) created as a result of a project.
- ☐ Incorporate biogenic materials on at least one project annually.
- ☐ Provide a narrative of how circular economy has been used on your projects. Incorporate re-use or design for deconstruction into at least one project.
- ☒ Quantify construction waste reduction on a project and the impact to embodied carbon.
- ☒ Integrate embodied carbon mitigation strategies in your General Notes.
- ☐ Other actions you feel appropriate and a narrative for why.

Elective Narrative (Optional):

Advocacy

True change can only come with industry-wide adoption. This section recognizes that our impact reaches beyond any one firm. Plan opportunities to share your experience and knowledge within your firm, with your design community, and

beyond. Host a webinar or lunch ‘n learn, attend a conference, connect with the SEI Sustainability Committee, or reach out to manufacturers and policy-makers.

Provide a narrative about how you plan to share knowledge and data to accelerate adoption of embodied carbon reduction. *

Little continues to share knowledge and data through our commitments with SE2050, AIA Materials Pledge, and AIA 2030. Directly sharing our knowledge to our clients through data analysis that are shared as an “actionable” educational tool, through our website, and internally through our measurement and shoulder to shoulder collaboration. It is also important to share our commitments and expectations with our design partners that are outside of Little. Little publishes our Beyond Sustainability Annual Report on Earth Day, the report is easily found on our website.

Describe the value of SE 2050 to clients. How can we collaborate to drive adoption? At your option, attach any associated marketing materials. *

Little elevates the value of SE 2050 and the AIA Materials Pledge to our clients through our website, our project case studies, and publishing our Beyond Sustainability Annual Report. In addition, our marketing material includes our commitments to elevate awareness and a priority for Little. Both include the overall importance of carbon reduction and also why the SE 2050 is important and valued by Little.

Optional: Upload any documents you would like to exhibit.

 Add file

Declare your firm as a member of the SE 2050 commitment on boilerplate proposal language. *

☒ Committed / Completed

☐ Not Committed / Not Completed

ELECTIVES (Not required, recommended to achieve (2) per year):

- ☒ Share your commitment to SE 2050 on your company website
- ☒ Give an external presentation on embodied carbon that demonstrates a project success or lessons learned (Tip: Get connected at a CLF local hub near you!)
- ☒ Discuss with the Owner / Client the option of requiring that some of the structural materials come with facility-specific or product-specific EPDs
- ☒ Share education opportunities with clients
- ☐ Provide a narrative of how you have encouraged industry and policy change incentivizing availability of low-carbon and carbon sequestration materials
- ☒ Start an embodied carbon community of practice or mentorship program in your office
- ☒ Mentor a firm new to the embodied carbon space
- ☐ Other action you feel appropriate and a narrative for why.

Elective Narrative (Optional):

Program Feedback

Please add any comments that you wish to share publicly. The Program Leadership Group is committed to transparently improving SE 2050.

Comments:

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