

INTRODUCING...



**STRUCTURAL
ENGINEERING
INSTITUTE**



WHAT IS SE 2050?

STRUCTURAL ENGINEERS 2050 COMMITMENT PROGRAM

- Program was a response to the SE 2050 Challenge created by the Carbon Leadership Forum (CLF).
- Program's objective is to ensure that there will be a substantive embodied carbon reduction in design and construction
- The basic aim is to Educate, Engage, and Report.
- Firms can submit project data in a sheet provided by SE 2050 or on their website dashboard. By providing firm's data, it is a step closer to net-zero carbon emissions by the year of 2050.

ELEMENT STRUCTURAL ENGINEERS, INC.

HOW WE SHOW OUR COMMITMENT

- Element SE will be committing to the SE 2050 because we understand that SE has a large impact in carbon emissions through material production and usage
- Staff will be educated and trained about program's requirements.
- Staff will input in data from projects they have worked on that will help in keeping track of our materials used
- In meetings with clients, staff will introduce our commitment while advocating to the client the importance of their impact when participating in the SE 2050 program.

**ENGINEERING THE CHANGE
WE WANT TO SEE**



ELEMENT STRUCTURAL ENGINEERS PROCESS



PLAN

EMBODIED CARBON ACTION PLAN
Element's action plan will include educating staff and internal Structural Material Quantities (SMQ) and GWP (Global Warming Potential) tracking



IMPLEMENT

Engaging in sustainable goals of projects, specify low carbon impact materials, and understand the GWP of each project using Life Cycle Assessment (LCA) methods.



SHARE

Uploading GWP and SMQ data of structural systems for a benchmark establishment and development of annual reduction targets.

For more information visit the link: [HTTPS://SE2050.ORG/](https://se2050.org/)