

Reducing Embodied Carbon in City of Seattle Capital Projects

Project Goals:

- (1) Familiarize City contractors with providing EPDs for concrete mixes for City projects.
- (2) Establish a diverse group of stakeholders.
- (3) Establish Citywide process for EPD submittals, review of EPDs and documentation of EPDs.
- (4) Lower the greenhouse gas emissions associated with concrete used on City projects.

Project Tasks:

- Establish a preliminary specification to require EPD submittals for City projects for concrete mixes over 50 CY. Establish a preliminary process to submit and review EPDs.
- Develop standard specifications for City projects that both City agencies and the concrete industry support. After 1 year of EPD collection, the stakeholder group will work to establish maximum GWP thresholds and a strategy for reducing thresholds in the future. Guests from other agencies who have already established EPD's submittal requirements will be invited to stakeholder meetings to provide advice and lessons learned.
- Collect EPDs for all significant volumes of concrete used on City projects. Qualified City staff will review the EPDs for completeness. A database of EPDs will be established and used to help establish GWP thresholds.
- Stakeholder group will evaluate the EPD data collected and establish a maximum GWP threshold. They will also evaluate the strategy for lowering the threshold over time.



City of Seattle



Seattle
Department of
Transportation

Contact Information:

Janet Loriz

✉: janet.loriz@seattle.gov

☎: 206-615-0860