

# New guidelines on reducing embodied carbon in construction materials for New York State projects

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## **Abstract:**

Our proposed presentation (or panel) would be about two new sets of guidance that have been issued this year on the topic of embodied carbon. The first is the Embodied Carbon Guidance as mandated by the Governor's Executive Order 22: Leading by Example, where state projects are mandated to reduce embodied carbon in common construction materials. We co-developed that guidance, and it was issued in June 2023. The second is the Buy Clean Concrete guidelines, that were mandated by a State Finance Law that was passed in Dec 2021, and made effective in June 2022. The Buy Clean Concrete guidelines (which started life off as the Low Embodied Carbon Concrete Leadership Act) were issued in Climate Week (Sept) 2023 and make us the first state to set a definition of low carbon concrete for multiple state agencies. We can go into the background of how these were developed, and what our influences were, and the key stakeholders - and we can go into the details of the guidance itself and what we hope to achieve in the future through the collection of data that is required, and how we hope to partner with industry to get everyone up to speed and not leave certain segments of industry behind.

## **Presenter Biography:**

**Mariane Jang** leads the Division of Resiliency & Sustainability team's work on reducing embodied carbon and mitigating climate risks to the state's capital assets. She most recently co-developed two sets of guidelines related to embodied carbon: to track the embodied carbon used in state projects and create a baseline to inform reduction strategies, and to set a framework for procurement of lower embodied carbon concrete on state projects.

Mikhail leads policy development on embodied carbon at NYSERDA. She is the co-author of the Executive Order 22 guidance on embodied carbon for NY state procurement, and the Buy Clean Concrete guidelines for the use and innovation of low embodied carbon concrete.

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