

Finlayson, Ian (ENE)

From: Olivia Humphrey <ohumphrey@payette.com>
Sent: Thursday, 11 August 2022 1:41 PM
To: STRETCHCODE (ENE)
Subject: Comment for MA Stretch Code Updates

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To whom it may concern,

My name is Olivia Humphrey, and I am an Architectural Designer at Payette and co-chair of the Carbon Leadership Forum Northeast Policy subgroup. I am writing to strongly recommend that embodied carbon be included in some form as part of the MA stretch code amendments. There are many ways to incorporate embodied carbon reductions, but as a first step for this issuance of the stretch code my suggestion would be to require reporting of embodied carbon for commercial projects. This is not only a way to gather data but also have project teams start the conversation of embodied carbon in our built environment.

It is crucial to consider embodied carbon as part of the overall pie of our carbon emissions, as every single material that is produced holds a Global Warming Potential value. The IPCC reports that global carbon emissions must be cut in half by 2030 to avoid the worst effects of climate change. According to Architecture 2030, embodied carbon of the materials used to build contribute approximately 11% of global carbon emissions and the majority of carbon emissions from new construction between now and 2030.

It is crucial to introduce embodied carbon as part of the overall energy conversation, as buildings are responsible for not only operational energy but embodied energy as well. We must consider both together in order to make the most informed decisions about the sustainability of our built environment and truly affect change.

Thank you for your consideration,
Olivia

Olivia Humphrey, LEED GA
Designer

ohumphrey@payette.com

617-895-1120

PAYETTE

290 Congress Street, Fifth Floor, Boston, MA 02210 | 617-895-1000

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