



TO: **Bill Sponsors:** Sen: Matt Ball, and Rep: Kyle Brown
Members of the CO Senate Transportation and Energy Committee
Senator Faith Winter (Chair), Senator Lisa Cutter (Vice Chair), Senator Tony Exum, Senator Nick Hinrichsen, Senator Kyle Mullica, Senator Byron Pelton, Senator Cleave Simpson, Senator Tom Sullivan,

FROM: The Colorado Renewable Energy Society (CRES)

DATE: March 10, 2025

RE: **SB25-182 - A bill for an act-** Embodied Carbon Reduction
Concerning encouraging the reduction of embodied carbon.

After reviewing the bill, CRES urges the Committee to vote **YES** on SB25-182.

CRES is a nonpartisan, science-based nonprofit with a reach of thousands of Coloradans annually. The CRES Policy Committee brings together a broad range of energy policy and technology experts who review energy bills before the Colorado state legislature to provide our perspective.

CRES encourages the reduction of green house gas emissions from all facets of building use and construction, including embodied carbon in buildings. CRES approves of this bill that adds embodied carbon improvements to the list of new energy improvements that are eligible for property assessed clean energy financing. And, the bill modifies the industrial clean energy tax credit so that embodied carbon improvements are greenhouse gas emission reduction improvements.

Thank you for sponsoring this bill and for your consideration of this recommendation.

Sincerely,

Vincent P. Calvano
CRES Policy Committee
Colorado Renewable Energy Society

**Testimony in Support for SB 25-182
Provided by Lora Melnicoe, MD, FAAP
March 12, 2025**

I'm Dr. Lora Melnicoe, representing the American Academy of Pediatrics, Colorado Chapter. I would like to thank this committee for allowing me to offer support of SB 25-182.

I am a retired pediatrician who has worked for over 30 years in Colorado, in Trinidad, Walsenburg, and Denver. I am deeply concerned about the health of all children in our beautiful state. I recall several instances when children with asthma presented in respiratory distress, triggered by smoke in the air from out-of-control wildfires.

We have known for decades the impact of rising CO2 levels and its harmful effects on our atmosphere as seen by the warming of the planet. The resulting global warming and extreme weather creates many dangerous risks for children. The rise of extreme weather events, including Increase in wildfires, flooding, and tornadoes cause physical and mental harm to our children. Their relatively small size makes them more vulnerable to injury and death during climate disasters. They are also more susceptible to the effects of extreme temperatures. Extreme heat is a danger for children who need to play outside, teenagers engaging in outdoor sports or employment, and families residing in homes ill prepared to stay cool during heat waves.

The American Academy of Pediatrics supports a multifaceted approach to solving the climate crisis. Decreasing the carbon emissions of construction is a way to work towards energy efficiency and a greener future. By promoting decreased carbon emissions and more energy efficient buildings, we can continue to improve air quality and to mitigate the impact of climate change on future generations. SB 25-182 is a step in the right direction for promoting energy efficiency and to decrease carbon emissions.

We support SB182 and urge you to pass it.

Thank you for your consideration.

Senate Transportation & Energy

03/12/2025 01:30 PM

SB25-182 Embodied Carbon Reduction

Typed Text of Testimony Submitted

Name, Position, Representing	Typed Text of Testimony
Leslie Glustrom For Clean Energy Action	Dear Members of the Senate Transportation and Energy Committee, Please vote "Yes" on SB25-182 related to reducing the carbon intensity of building materials. Adding embodied carbon improvements to the list of new energy improvements that are eligible for property assessed clean energy financing and modifying the industrial clean energy tax credit so that embodied carbon improvements are considered greenhouse gas emission reduction improvements are two good ways to help us reduce the amount of carbon used in building materials. Please vote "Yes" on SB25-182 and thank you as always for serving our state and country! Leslie Glustrom for Clean Energy Action



4 CORNERS

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March 12, 2025,

Honorable Senator Faith Winter, Chair

Senate Committee on Transportation & Energy
Colorado State Capitol
200 E Colfax Ave, Room 346
Denver, CO 80203

RE: Letter of Support for [Bill Number or Title] Before the Senate Committee on Transportation & Energy

Chair Winter and Members of the Committee,

Thank you for the opportunity to speak today. My name is Chris Neidl, and I am the founding director of the 4 Corners Carbon Coalition. We are a network of local governments located throughout the Mountain West, including founding member Boulder County, dedicated to accelerating innovative decarbonization solutions that can be advanced through local leadership and resources. I testify today to express our Coalition's strong and unqualified support for SB25-182.

Since 4 Corners' founding in 2022, supporting new emissions reduction approaches that can be realized and scaled in the built environment, and those involving concrete specifically, has been an important focus of our mission and work. There are two reasons for this. First, concrete is the most widely used material in construction, and its emissions footprint is significant. Second, opportunities for high impact transformation in this area that can be locally implemented are considerable. And Colorado, both at the state and local level, is already setting a high bar for this important area of policy and private sector action.

But Colorado has more at stake in this than emissions reductions. The state is already home to an impressive number of startups and research initiatives that are accelerating progress in building materials decarbonization. Our local established concrete and cement industry companies are among the most innovation-oriented and climate aligned in the country. A number of our coalition's recent grant awards illustrate what is happening here already in exciting ways. Boulder-based Travertine Technologies and Minus Materials, two young companies, are both working to manufacture novel, drop in cement replacements that are made with carbon that has been removed directly from the air - permanently storing CO₂ in concrete, rather than releasing it. Our program also funded equipment for a Hempcrete building project in Durango, last year; as well as a feasibility study for the use of biochar as concrete aggregate, which holds the potential of driving concrete to net zero or even net-negative embodied carbon in the future.



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This transformation can and is happening here in Colorado. But both established and emerging low carbon material providers need customers in order to ultimately matter. And as with all new areas of innovation, these early phases are challenging. Products new to market often face cost premiums, and the twin burdens of low awareness and inertia. We need to change that, by making it more economically attractive for the construction and real estate sectors to opt for low embodied carbon options.

And we believe SB 182 is a critical next step forward in this direction for Colorado. It builds on existing policies and commitments already in place, by expanding eligibility for existing tax credits and financing tools. And because these are tools that are already established and authorized, making this high impact move requires no new public resources to implement and administer.

With this first of its kind policy, Colorado has an opportunity to continue its leadership in this area, and help accelerate the state's transition to cleaner, more sustainable construction.

Thank you.

Sincerely,

Christopher Neidl
Executive Director
[4 Corners Carbon Coalition](#)
E: cneidl@gmail.com