



UA LOCAL 290

To:

Co-Chairs Frederick and Levy and Ways
and Means Subcommittee on Natural Resources

From:

Brad Archuleta
Local 290 Business Agent

Date:

5 February 2025

Dear Committee,

We have spilled 2 Trillion tons of climate pollution (aka GHG) into the environment over the past 150 years, and due to slow decarbonization we continue to spill another 40B tons per year.

We urgently need to stop doing that! Also, to keep the temperature increase below 2 degrees C, GGR will be required at a scale of 10-20B tons/year per the UN IPCC. That means GGR needs to scale up over 1000x from today's levels over the next 15-20 years.

Sequestration of CO2 in basalt is one of several very promising pathways to accomplish GGR, and we will need ALL the pathways to achieve the targets laid out by the IPCC.

There is also a way to reduce the carbon dioxide footprint to also include efforts to advance above-ground sequestration of solid carbon into asphalt. Modern Hydrogen is already doing this in a pilot project in Portland Oregon. Over one third of US domestic CO2 emissions come from burning natural gas for heat and electricity. Reducing the CO2 footprint associated with energy consumption from C&I sectors is critically important for national security, domestic economic health, and climate stability.

Modern Hydrogen solves this problem. By removing carbon from natural gas at the point of use, Modern Hydrogen technologies leverage the versatility and reliability of existing natural gas infrastructure to deliver low CO2 fuels for heat and power in the most difficult-to-decarbonize commercial and industrial operations.

I am in full support of all Carbon Sequestration projects to help us reach our climate goals.

I would hope some of this government funding could also scale into more projects like Modern Hydrogens.

Brad Archuleta

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