



December 21, 2022

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California Air Resources Board
P.O. Box 2815
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[submitted electronically]

RE: Charm Comments On November 9, 2022 LCFS Workshop

Charm Industrial (Charm) appreciates the opportunity to submit comments to the California Air Resources Board (CARB) on the November 9, 2022 Low Carbon Fuel Standard (LCFS) Workshop. Charm is a California-based company working in support of State efforts to rapidly drive down greenhouse gas emissions (GHGs) on the path to carbon neutrality. Our innovative negative emissions technology can play a key role in these efforts. We look forward to continuing to work with CARB, its state agency partners and all stakeholders to deliver innovative climate solutions that will provide benefits in California and beyond.

About Our Technology

Charm has developed a proven carbon dioxide removal technology that has already removed thousands of tons of carbon from the atmosphere. Our innovative approach converts waste biomass into carbon rich liquid that is safely and permanently stored underground. Agricultural waste and highly combustible forest residue that would otherwise burn or be left to rot spewing GHGs into the atmosphere is instead transformed into a carbon benefit. In addition to the vital climate benefits that negative emissions technologies like bio-oil sequestration provide, our approach delivers critically needed air quality, wildfire resilience, and economic benefits in parts of California that most need them like the Sierras and the Central Valley.

Charm Supports CARB'S Scenario Design For 2030 Carbon Intensity (CI) Adjustments

Charm supports the ambitious 2030 CI reduction target adjustments presented at the November 9, 2022 LCFS workshop. To meet the 2030 CI reduction target and continue its key role as a global climate leader, California must build on and accelerate actions to rapidly cut GHGs. These actions must include a clear and robust policy and regulatory framework that will support and take advantage of the significant benefits that innovative carbon removal and sequestration technologies can deliver.

Charm can help support achievement of ambitious 2030 CI reduction targets through its proven carbon dioxide removal technology as part of a suite of innovative technologies that California will need to meet our climate goals. The kinds of solutions the Charm has developed can also play a key role in supporting California's biomass and forest waste management goals, wildfire and forest resilience actions, and air quality goals. As a California based-company, we are invested in helping the state continue to be a climate leader by putting in place policies that pave the way for innovative technologies and solutions to support climate action. Policies that support emerging carbon-negative technologies will ensure continued investment, job creation, and economic growth for California.

Conclusion

Charm is fully committed to helping California meet its climate goals. As the Governor noted in his recent letter to CARB Chair Randolph on the 2022 Climate Change Scoping Plan Update, innovative carbon removal and sequestration technologies will be necessary for California to reach its climate goals, including carbon neutrality by 2045. California is going to need a host of strategies to decarbonize virtually every economic sector in the state to achieve carbon neutrality. Direct emissions reductions should be the primary focus of California's pathway to achieving said carbon neutrality.

Our company was founded with the singular purpose of developing and bringing technology solutions to the collective effort needed to rapidly turn the tide against climate change. We look forward to continuing to work with CARB on this challenge.

Sincerely,



Nora Cohen Brown
Head of Market Development and Policy