



via email: slcp.organics@calrecycle.ca.gov

September 5, 2023

Dear Staff at CalRecycle:

RE: H Cycle Waste to Hydrogen Process-Article 2

GreenWaste is a locally operated recycling and diversion company that specializes in the collection and processing of waste generated by residents and businesses. GreenWaste has a long history of providing successful, effective, and environmentally sound collection and processing operations. GreenWaste has made significant contributions that have helped shape the evolution of the solid waste and recycling industry and continues to be at the forefront in the development of new and innovative collection and processing technologies with a focus on SB 1383 compliance for our jurisdictions.

We support the State's goals for SB 1383, and we have reviewed a variety of options over the years to process and market organics. However, waste haulers and processors working with municipalities face difficulties with organic diversion, mainly due to limited capacity and feedstock contamination impacting anaerobic digestion and composting as SB 1383 tools.

We are strongly in favor of supporting the agency's push to explore the development of new and innovative processing technologies with a focus on SB 1383 compliance for our jurisdictions. This is why we are writing to express strong support for H Cycle, LLC's waste-to-hydrogen process, which will play a critical role in solving for organics diversion in California.

In our view, the H Cycle process is regarded as complementary to existing approaches to diversion, due to its ability to target organic-rich streams from MSW and C&D that are difficult to purify (e.g. contain glass, metal) or difficult to handle by conventional methods (e.g. paper). The H Cycle process can handle a wider envelope of organic feedstocks because thermal conversion extracts hydrogen from energy-rich organics.

Furthermore, with the future of trucking turning towards zero-emission vehicles as per the CARB Scoping Plan, and the recently adopted Advanced Clean Fleet (ACF) regulation which requires a phase out of all internal combustion engine vehicles by the

end of their useful life, H Cycle's ability to provide cost-competitive and low-carbon hydrogen derived from organic waste processed at local facilities to hydrogen fuel cell-electric trucks provides an additional opportunity to de-fossilize future fleets, while also delivering clean air benefits to local communities. These solutions are distinctively circular, with waste otherwise going to landfill, being repurposed to help de-fossilize substantial industrial sources, and heavy-duty diesel trucks.

We are excited to work with H Cycle to tackle several California goals of utmost importance to the environment, namely SB1383, SB32 (40% carbon emission reduction by 2030), and the state's goal of carbon neutrality by 2045. We strongly urge Cal Recycle to move swiftly in its determination of H Cycle's Article 2 designation and approve this much needed pathway to addressing a critical, growing environmental risk.

Sincerely,

A handwritten signature in black ink, appearing to read "Tracy Adams". The signature is fluid and cursive, with a large, sweeping flourish at the end.

Tracy Adams
CEO - GreenWaste

From: Short-Lived Climate Pollutants@CalRecycle
To: Ngo, Victoria@CalRecycle; Beckner, Scott@CalRecycle
Cc: Short-Lived Climate Pollutants@CalRecycle
Subject: FW: Letter of Support for H Cycle's Waste to Hydrogen Process
Date: Wednesday, September 13, 2023 2:31:36 PM
Attachments: [Article 2 Support for H Cycle.pdf](#)

From: Nicholas Schlick <nicholas.schlick@greenwaste.com> **On Behalf Of** Tracy Adams
Sent: Thursday, September 7, 2023 10:52 AM
To: Short-Lived Climate Pollutants@CalRecycle <SLCP.Organics@calrecycle.ca.gov>
Subject: Letter of Support for H Cycle's Waste to Hydrogen Process

[[EXTERNAL]]

Dear CalRecycle,

As the CEO of GreenWaste, a California based waste-management company committed to environmental sustainability, I am writing to express my strong support for H Cycle and their innovative Waste to Hydrogen Process. I believe that their business model has the potential to revolutionize waste management practices in California and contribute significantly to our state's efforts in achieving a greener future.

GreenWaste and H Cycle share a common vision of creating a more sustainable and eco-friendly waste management industry. We understand the importance of finding innovative solutions to address the growing waste crisis and reduce our carbon footprint. H Cycle's Waste to Hydrogen Process aligns perfectly with our goals and values, as it not only tackles the issue of waste management but also promotes the use of clean energy.

Please find our formal support attached here and ask Cal Recycle to

move swift in its determination of H Cycle's 'Article 2' Designation and approve of this much needed pathway which will not only address and comply with State Regulations but, create a pathway to transcend them, and into the Green Future we hope to all be apart of.

Sincerely,

Tracy Adams

CEO, GreenWaste

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