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Public Report

OUR ENVIRONMENT



LEADING BY EXAMPLE

GreenWaste and Zanker have stepped up their efforts to keep tabs on the group's collective carbon footprint. Staff within multiple arms of the companies have now been trained on proper emissions data management, guided by The Climate Registry's reporting program, allowing for regular and ongoing understanding of the companies' environmental impact.

Beyond the innate nature of the companies' approach to waste management and the focus on keeping materials out of the landfill, the companies also strive to address environmental issues more broadly.

ENERGY PRODUCTION

GreenWaste and Zanker are proud to produce renewable energy. In 2020, at the GreenWaste Materials Recovery Facility, GreenWaste corporate office and Zanker Materials Processing Facility, solar panels collectively produced over 325 MWh, helping offset energy usage onsite and also sending energy back to the PG&E grid. Meanwhile, 4,219 MWh were produced through the anaerobic digestion of organic waste at Zero Waste Energy Development. Altogether, the energy produced by the family of companies could power over 580 homes for a year.



GREEN BUSINESS

The GreenWaste Recovery corporate office has been Green Business Certified since 2011. A new recertification process is underway, coinciding with the occupancy of the new corporate office. This effort provides the opportunity to up the ante and strengthen the company's commitment to the environment as part of day-to-day operations.

Meanwhile, the Zanker main office was certified in 2013, and the GreenWaste Watsonville office was certified in 2018, and plans for further certification are being developed.

EFFICIENT FLEETS

GreenWaste and Zanker are dedicated to reducing emissions from operations through both technology and ongoing improvements to operating practices.

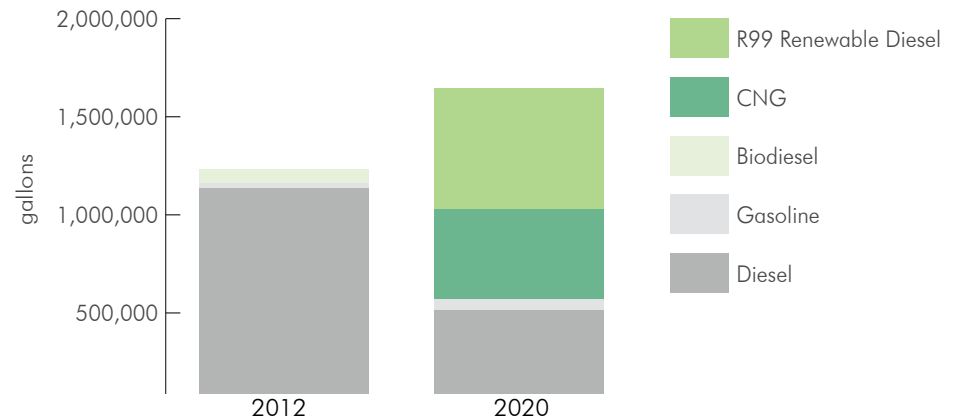
Developing and utilizing the most efficient routes reduces the carbon footprint of operations, saves resources, and provides for consistent and timely service for customers. GreenWaste utilizes RouteSmart Technologies to optimize routing. Vehicle sizes and types are also carefully chosen to maximize collection productivity and minimize environmental impacts. Notwithstanding these efforts, mobile emissions accounted for 99% of GreenWaste Recovery's operational emissions in 2020, highlighting the importance of continual improvement.



FUEL DIVERSIFICATION

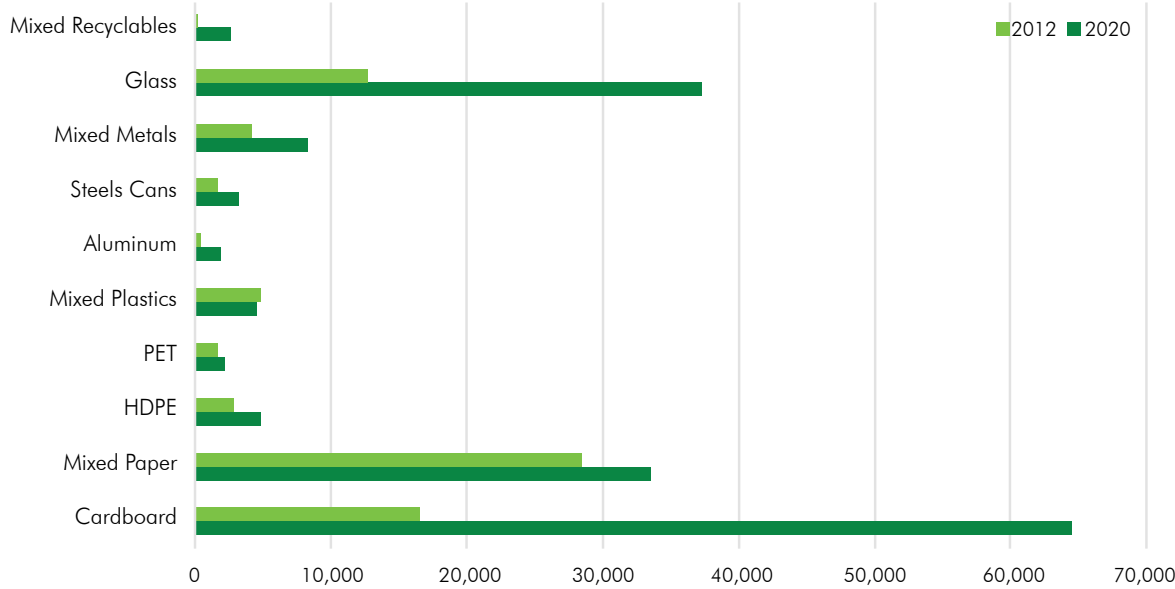
During last decade, company fleets have been transitioning from diesel and gasoline, to now predominately CNG and R99 Renewable Diesel. During this time, GreenWaste's overall fleet has increased significantly through expansion into seven new service areas, adding nearly 50 additional trucks to the overall operation. While this growth did increase direct mobile emissions by 23%, fossil fuel emissions have decreased by 22% since 2012.

Today, some operations are pursuing zero emission fleets. GreenWaste of Palo Alto now has a total of four zero emission vehicles. Meanwhile, the Materials Recovery Facility utilizes two electric forklifts and two electric scissor lifts.



RECYCLABLES MARKETS

In the last several years, recyclable commodities and their markets have changed drastically. People are not getting as many newspapers as they used to, but shipping has increased cardboard waste exponentially. GreenWaste alters processing and marketing to adapt to the current environment.

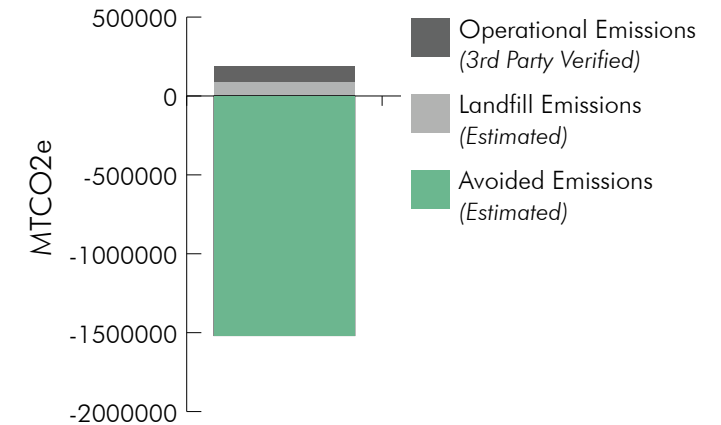


GreenWaste has also been impacted by, and has responded to evolving markets due to National Sword. The economics of recycling creates a complicated web that commodities move through before they are turned into a new product. GreenWaste wants to have confidence in the final disposition of recovered recyclables. There is greater transparency when materials are handled domestically, and therefore GreenWaste will continue to prioritize domestic markets, and forge partnerships to create alternative markets.

AVOIDED EMISSIONS VIA MATERIAL PROCESSING

GreenWaste and Zanker provide greenhouse gas benefits by 1) precluding the inherent emissions in acquiring virgin resources, and 2) preventing materials from producing methane in landfills.

For 2020, the companies calculated their Net-Zero ratio by comparing operational and landfill-associated emissions with those emissions avoided through material recovery and processing. Collectively, the companies have a Net-Zero ratio of eight (8). This means that for every metric ton of CO₂e emitted by operations, the companies avoid an average of 8 metric tons of CO₂e. The companies will continue to reach for higher diversion while minimizing their carbon footprint.



MATERIALS MANAGEMENT

In 2020, the companies managed 2,198,99 tons of inbound material. Altogether, the facilities process over 30 material types, including C&D, garbage, recyclables, food waste, yard trimmings, and more, with materials moving between the facilities for further handling. The companies offer significant material recovery and processing solutions throughout the Bay Area and beyond.

