

ENERGY *from* FOOD SCRAPS

The Food-to-Energy (F2E) program was designed from the ground up in a public-private partnership between Central Marin Sanitation Agency (CMSA) and Marin Sanitary Service (MSS).

The cutting edge program diverts food scraps from the landfill that are then used to generate renewable energy to power the wastewater treatment facility.

The F2E program is a first for Marin County and is now one of only two programs of its kind in California - a wastewater treatment plant that uses food scraps to generate energy through anaerobic digestion.



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MSS engages and trains participants, providing signage and carts, to help produce pure food scraps as a resource.



A trained driver inspects the collection cart for contamination before a specialized truck picks up the food scraps.



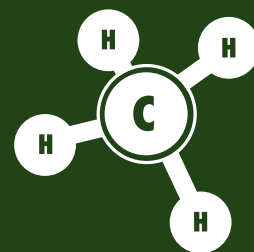
The food scraps are delivered to the MSS transfer station where it is inspected again for contaminants and ground into 1-inch size pieces or smaller.



The ground food is taken to CMSA where it is combined with fats, oils, and grease.



The combined resources are pumped into anaerobic digesters where microorganisms break them down creating methane biogas and biosolids.



The methane is piped into a filter removing any impurities before the fuel is finally run through a generator creating renewable electricity for CMSA.



The F2E program comes full circle when the biosolids is used as a Class B soil amendment for crops.