



THE FOOD 2 ENERGY PROGRAM

TURNING YOUR FOOD SCRAPS INTO ENERGY

THE PRIMARY GOAL OF **FOOD 2 ENERGY** IS DIVERSION OF ORGANIC MATERIAL FROM THE LANDFILL AND INTO THE ENERGY GRID.

The F2E program converts food scraps to energy through anaerobic digestion which converts organic material into a methane biogas. The gas is then utilized as a power source, which will provide additional sources of energy for the operation of Central Marin Sanitation Agency's (CMSA) sewage treatment facility.

A co-benefit of the conversion process is the avoided methane emissions at Redwood Landfill from the decomposition of organic materials and the reduction of truck trips from San Rafael to Novato.

LEARN MORE

Learn more by visiting us online:
<https://marinsanitaryservice.com/food2energy>



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.



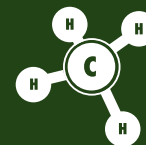
The food scraps are delivered to the MSS transfer station where it is inspected again for contaminants and ground into 1-inch size pieces or smaller.



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 are used as a Class B soil amendment for crops.