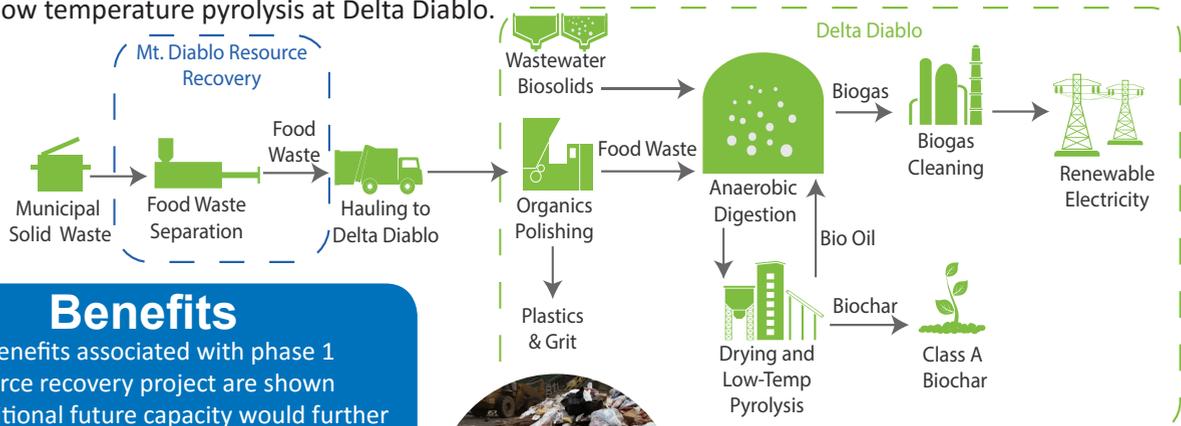


# Delta Diablo & Mt. Diablo Resource Recovery East County Bioenergy Project

The partnership envisioned between Delta Diablo and Mt. Diablo Resource Recovery (MDRR), a Garaventa company, would divert food waste from landfill and convert it into clean energy and valuable fertilizers using co-digestion, biosolids drying, and low temperature pyrolysis at Delta Diablo.



## Benefits

Estimated benefits associated with phase 1 of the resource recovery project are shown below. Additional future capacity would further improve project benefits.



**Waste Diverted from Landfill:**  
80 tons/day



**Renewable Energy Production:**  
Triples current energy production to approximately 1.7 MW. The project has the potential to make each Facility energy neutral and export surplus power to the grid.



**Fertilizer Production:** Residual solids would be dried, conditioned, and made available for sale as valuable fertilizers.



**Reduction of GHG Emissions:**  
Approximately 25,000 metric tons of GHG reduction per year, equivalent to over 5,000 passenger cars.



**Maximize Ratepayer Benefit:**  
The project leverages existing assets and infrastructure, especially excess digestion capacity.



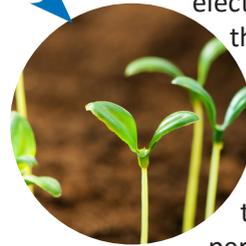
Municipal Solid Waste collected at MDRR contains valuable food waste that can be converted into renewable energy via anaerobic digestion.



Food waste would be separated from MSW using Anaergia's Organics Extrusion Press installed at MDRR, creating clean and highly digestible feedstock for anaerobic digestion.



Delta Diablo would receive trucks of feedstock from MDRR, and anaerobic digesters would co-digest it with municipal wastewater sludge to create renewable biogas and biosolids.



Biogas would be used to create renewable electricity. Biosolids would be processed through a low temperature dryer/pyrolysis system, resulting in a valuable fertilizer product and bio oil. Bio oil would either be fed back continuously to the digesters to create additional energy or stockpiled to generate energy during peak demand periods or as a hedge against utility power disruption.



Delta Diablo is the lead agency for the Bay Area Biosolids to Energy Coalition which comprises 19 public agencies responsible for wastewater resource recovery services for over four million people.

