



## 7.7 Waste and Materials Management Opportunity Menu



### Measure 13

### *Reduce Methane Emissions from Waste and Wastewater Systems*

ANNUAL GHG EMISSIONS REDUCED IN 2030

**1,110 MTCO<sub>2</sub>e**

ANNUAL GHG EMISSIONS REDUCED IN 2050

**3,590 MTCO<sub>2</sub>e**

#### DESCRIPTION

Upgrade waste and wastewater management to capture or prevent methane emissions.

#### OPPORTUNITY MENU

1. Install energy efficiency measures at wastewater treatment plants to reduce operational emissions (F)(\$\$\$)(by 2040).
2. Introduce incentives for methane capture, flaring, or energy recovery at landfills and wastewater facilities (M)(\$\$\$)(by 2040).
3. Enforce methane collection, destruction, and utilization standards at major landfill and wastewater operations (HI)(\$\$)(by 2030).

#### AUTHORITY TO IMPLEMENT

City/County, State

### METRICS FOR TRACKING PROGRESS

1. Publicly disclosed number of wastewater treatment plants implementing energy efficiency measures
2. Number of total incentive programs for methane capture, flaring, or energy recovery
3. Tons of methane captured, destroyed, or utilized by major landfills and wastewater facilities

### KEY CO-BENEFITS

Improved air quality, health and well-being, cost-savings, and improved reliability

### INTERSECTION WITH OTHER FUNDING AVAILABILITY

- [Better Plants](#)
- [Resources for Funding Landfill Gas Energy Projects](#)

## Measure 14 *Promote Waste Reduction, Organics Diversion, Composting, and Construction Waste Reduction*

ANNUAL GHG EMISSIONS REDUCED IN 2030

**791,120 MTCO<sub>2</sub>e**

ANNUAL GHG EMISSIONS REDUCED IN 2050

**3,586,280 MTCO<sub>2</sub>e**

### DESCRIPTION

Expand recycling, composting, and circular material practices to reduce landfill waste.

### OPPORTUNITY MENU

1. Conduct education and outreach campaigns to reduce food, yard, and construction waste at the source. (F)(\$\$(by 2030).
2. Provide grants or incentives for community composting programs and reuse of salvaged building materials. (M)(\$\$(by 2030).
3. Invest in large-scale composting and anaerobic digestion infrastructure; mandate diversion rates for major construction and demolition projects. (HI)(\$\$(by 2040).

### AUTHORITY TO IMPLEMENT

City/County, H-GAC

### **METRICS FOR TRACKING PROGRESS**

1. Number of household/residential waste reduction outreach events conducted -  
Number of contractors/developers reached through construction and demolition outreach efforts
2. Number of community grants or incentives awarded for composting programs
3. Number and total capacity (tons/year) of composting and anaerobic digestion facilities

### **KEY CO-BENEFITS**

Improved air quality, health and well-being, cost-savings, and improved reliability

### **INTERSECTION WITH OTHER FUNDING AVAILABILITY**

- Keep Texas Beautiful Grants
- H-GAC Solid Waste Management Grants
- Resources for Funding Landfill Gas Energy Projects