



Summit for Recycling
&
Rocky Mountain Composting Symposium

Anaerobic Digester

Denver Public Schools - Chris Woodburn

August 23 - 24, 2022 Aurora, Colorado



Summit for Recycling & Rocky Mountain Composting Symposium

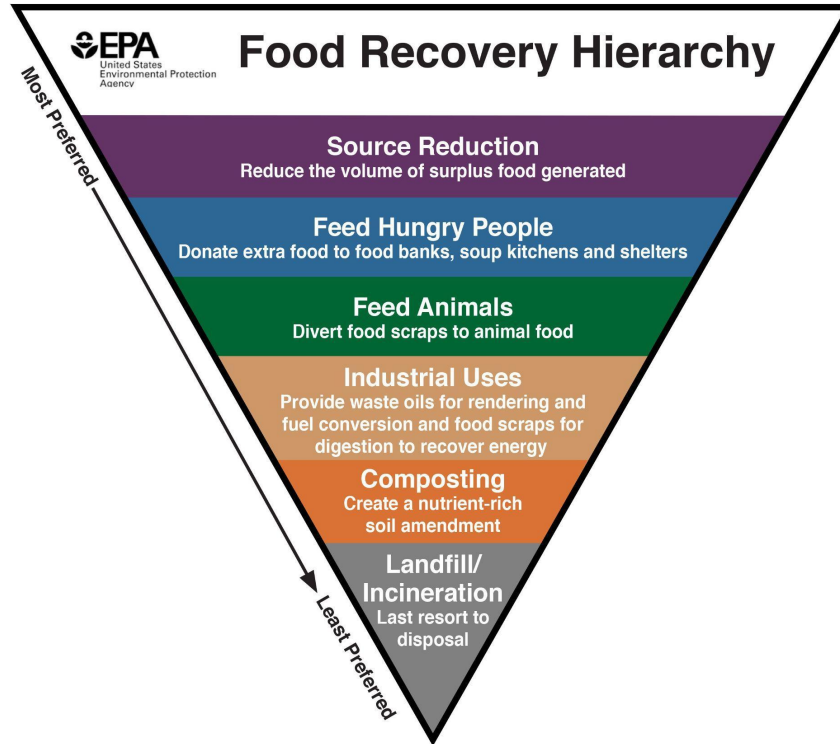
- 90k Students
- 15k Employees
- 200 Buildings
- Largest District in Colorado
- 33rd Largest in US



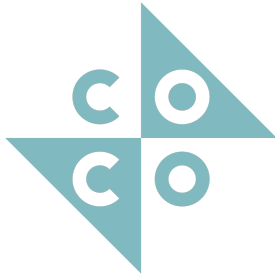
Climate Action Policy:

DPS shall be a national leader in establishing an organizational culture anchored in sustainability, climate action, and environmental justice in both the conservation of natural resources and in minimizing the carbon footprint of DPS' practices.

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Compost Colorado



Impact Bioenergy

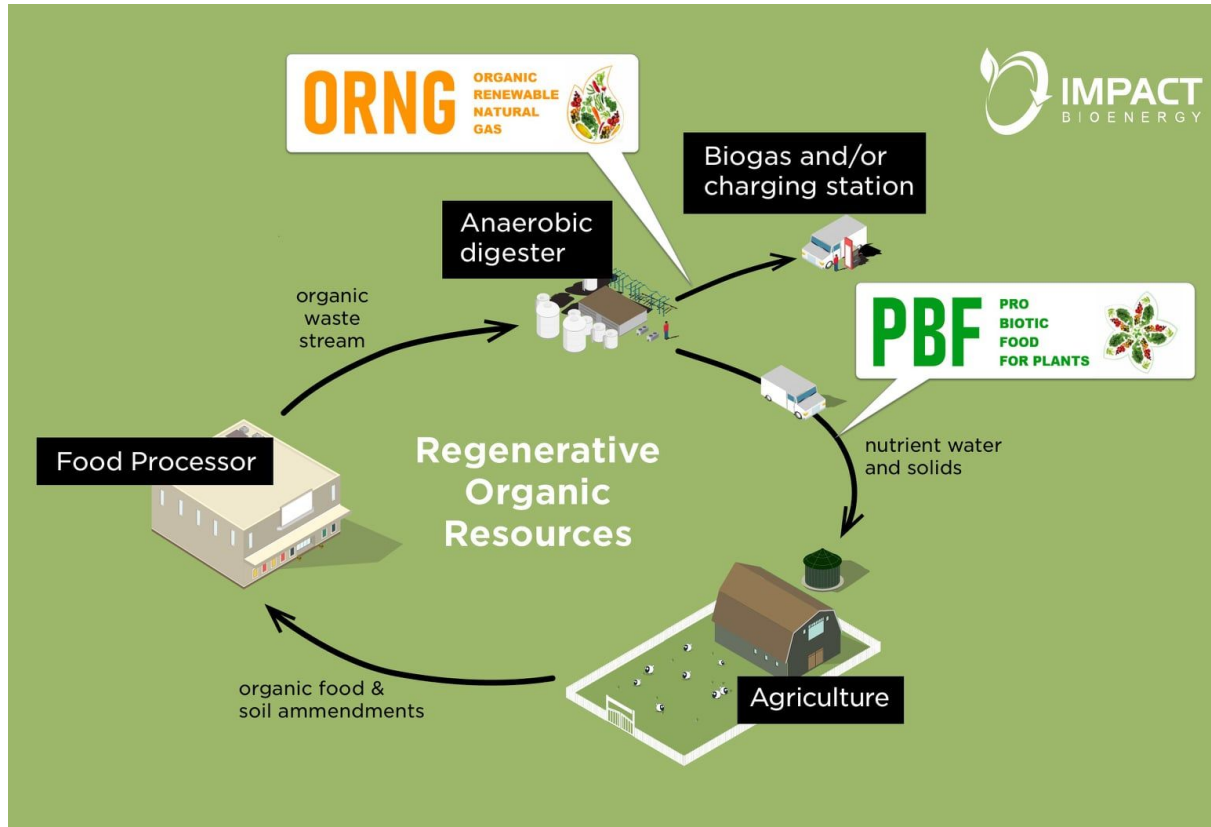


Gas Technology
Institute

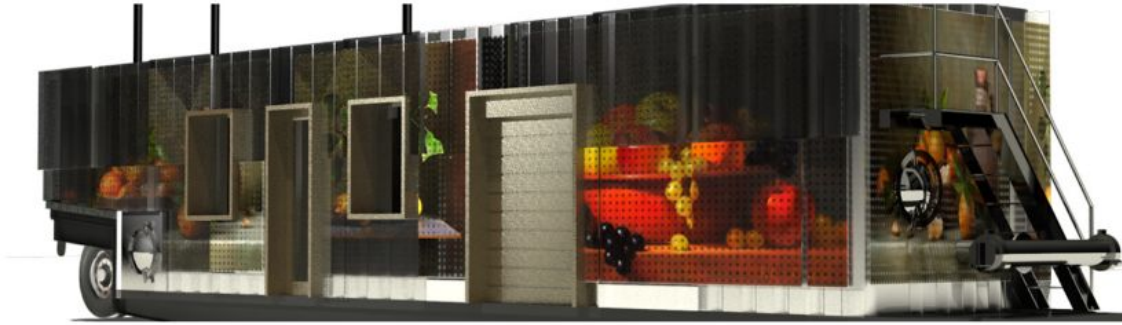
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Cafeteria Waste Audit at Carson Elementary

- 170 total pounds of waste
 - 24 pounds of landfill materials 14%
 - 16 pounds of recyclable materials 9%
 - 130 pounds of food and compostable materials 73%
-
- 650 pounds of compost per week
 - More than 5,500 pounds per school year
 - More than 4000 tons per year for the district

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Maximum Energy Production

15,000 - 105,000 BTU/hour

The energy production is designed for 15,000-105,000 BTU/hour continuously.

Organic Input

960 – 6,700 lbs/week

Organic feedstock input is designed for 960-6,700 lbs/week (440 – 3,050 kg/week).

Organic Matter Output

100 – 730 gallons/week

Produces 100 – 730 gallons/week (400-2,800 liters/week) of liquid organic fertilizer.

Carson Elementary Example:

- 10K BTU/hour
- 652 pounds of waste/week
- 68 gallons of fertilizer/week



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- 1st Digester in Metro Area
- Northeast Early College
- Collect data for future sites

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Thank You!

<https://sustainability.dpsk12.org>
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