



Henry Ford Hospital West Bloomfield

Sustainability Report

Prepared by CO Sustainability Each 64-gallon bin collected during the pilot averaged **225 pounds** of food waste. **Pilot Food Waste Diversion Project**
March 25, 2025 – April 22, 2025

Collection Summary

Collection Date Bins Collected Total Pounds Diverted

March 25	1.5 bins	337.5 pounds
April 1	1 bin	225 pounds
April 8	2 bins	450 pounds
April 15	3 bins	675 pounds
April 22	3 bins	675 pounds

Total Bins Collected: 10.5 bins

Total Pounds Diverted: 2,362.5 pounds.

Environmental Impact

✕ Greenhouse Gas Reduction

- Diverting 1 pound of food waste prevents approximately **0.92 pounds of CO₂e**.
- **CO₂e Avoided:**

$$2,362.5 \text{ pounds} \times 0.92 = \mathbf{2,173.5 \text{ pounds of CO}_2\text{e prevented}}$$

Energy Savings Equivalent

- 1 ton (2,000 pounds) of food waste diversion saves about **3,700 kilowatt-hours (kWh)**.
- **Tons Diverted:**

$$2,362.5 \text{ pounds} \div 2,000 = \mathbf{1.181 \text{ tons}}$$

- **Energy Saved:**

$$1.181 \times 3,700 = \mathbf{4,371 \text{ kWh}}$$

This is equivalent to:

- Powering **1 average U.S. home** for approximately **4 months**
 - Charging a **Tesla Model 3** about **12 times**
 - Saving approximately **326 gallons** of gasoline consumption
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Sustainability Achievements

Thanks to Henry Ford Hospital West Bloomfield's leadership and commitment to sustainability, the pilot program:

- Diverted **2,362.5 pounds** of food waste from landfills.
 - Preventing **2,173.5 pounds of harmful greenhouse gases** from entering the atmosphere
 - Saved **4,371 kilowatt-hours** of energy.
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Employee Survey Results

(Survey based on a scale of 1 to 5, with 1 being the lowest and 5 being the highest score. This was a blind survey, and participants had complete anonymity.)

- **Separating food waste has been easy to do during my workday:** Average score **4.5**.
- **The food waste program has had a positive impact on the kitchen's operations:** Average score **4.5**.
- **The composting program is helping to protect the environment:** Average score **4.5**.
- **I received enough information and training to participate in the program:** Average score **5**.
- **I would like to keep composting food waste after our trial period ends:** Average score **5**.

Employee Quotes:

- *"The current process is easy to follow. Thanks for doing this."*
 - *"I look forward to seeing our food waste turned into compost and being used in our green house."*
 - *"The composting process was easier than I thought it would be."*
 - *"It is nice to know that the food that is thrown away is being repurposed."*
 - *"Composting our food waste is good for the environment."*
 - *"Thank you for supporting sustainability at Henry Ford Hospital!"*
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Compost Conversion Report



Summary

CO Sustainability collected a total of 2,363 pounds of food waste and compostable items. These materials were diverted from landfill disposal and processed through an aerobic composting system.



Compost Yield

Based on standard composting conversion rates (30%–50%), the following estimates apply:

Yield Rate Approx. Finished Compost

30%	709 pounds
40%	945 pounds
50%	1,182 pounds



Environmental Benefit

By composting instead of landfilling, this process helped:

- ☒ Prevent methane and CO₂ emissions
 - ☒ Return organic nutrients to the soil
 - ☒ Reduce waste hauling and landfill burden
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Did You Know?

Composting food waste is one of the most effective climate solutions, reducing methane—a greenhouse gas up to eighty-seven times more potent than CO₂.



Thank You

CO Sustainability is proud to partner with Henry Ford Hospital West Bloomfield. Together, we are building a healthier, greener future!
