



# Fighting Food Waste in Worcester Public Schools



# WPI

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## Problem

40% of All Food is Wasted  
50% is from Schools



18% of Landfills is Food

## Impacts

- 3.3 Billion Tons Carbon Dioxide
- Methane: 21 Times as Potent
- Hungry people could be fed
- 1 in 7 Americans rely on food banks

## Goal

Reduce the amount of food waste produced in the Worcester Public Schools by recommending a solution for untouched food and food scraps that is efficient, beneficial and sustainable.

## Recommendation

Donation of Untouched Leftovers

Composting of Food Scraps

### Rachel's Table

- Local company in Worcester that redistributes leftover food

### School Composting

- Low maintenance way to recycle food scraps

## Data Collected



26 pounds of food was wasted in 1 lunch period (~240 students)

## Moving Forward

1. Develop internal transportation system for Worcester Public Schools
2. Develop partnership with Casella Resource Solutions
3. Assess efficiency by weighing food donated and food scraps

## Acknowledgements

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## Background



Worcester Public Schools  
46 schools with about 25,000 students



- Repurposes unwanted food to feed local food insecure people



- Reduces greenhouse gas emissions
- Potential for STEM education

## References

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