Accumulation of Plastic in Landfills
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90% of recyclables end up in landfills due to contamination from consumers.

Landfill leachate seeps into the ground. Plastic chemicals in leachate contaminate soil and ground water.

Current Solution
Waste-to-Energy Facilities
Release ash, with heavy metals
Remaining waste goes to landfill
Air Emissions-\(\text{CO}_2, \text{NO}_x, \text{and CH}_4\)

Wastewater

How can I recycle this bottle?

Our Solution
Open app
Take picture
Scan recycling code

How to dispose properly

How to dispose properly

Implementation and Assessment
Implementation Plan
Contact RecyclingWorks in Massachusetts to develop app
Contact Recycle Across America to develop nationwide
Advertise on social media

Assessment Plan
Sample recovery, contamination, and landfill rates of towns 3 years after app
Monitor frequency app is used
Compare rates and usage data

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Key References
