

CLOSED
LOOP *fund*

Closed Loop Fund Platform



Incubate



Researches and incubates business models that build markets and roadmaps to improve environmental outcomes.

Sample Partners



Sample Projects

- Project ReFED: National study on investments to reduce food waste
- Recycling models in public housing

Commercialize



Venture fund that invests in commercializing innovation across the product lifecycle – from material innovation and design to reuse and recycling.

Potential Investors

Family offices, institutions, individuals interested in strong financial returns and positive social impact.

Status

Currently Fundraising
First close expected be in June 2016
Conducting early diligence on ~6 ventures

Scale



\$100m debt fund that invests in scaling recycling through municipal infrastructure, private companies, materials and packaging.

Sample Investors



Sample Investments



Includes investments that are in process



The Closed Loop Fund is a social impact fund investing \$100M to increase the recycling of products and packaging.

Investors
include:



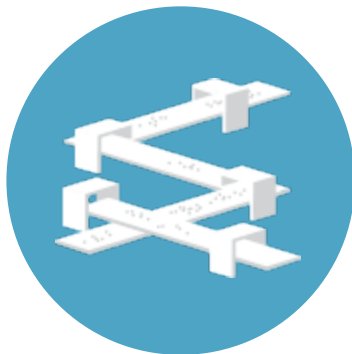
■ The Closed Loop Fund unlocks recycling's value by providing **0% and low interest loans** to cities and companies to build recycling infrastructure.

We invest in replicable models that remove barriers to an effective and financially viable recycling system

WE INVEST IN:



COLLECTION

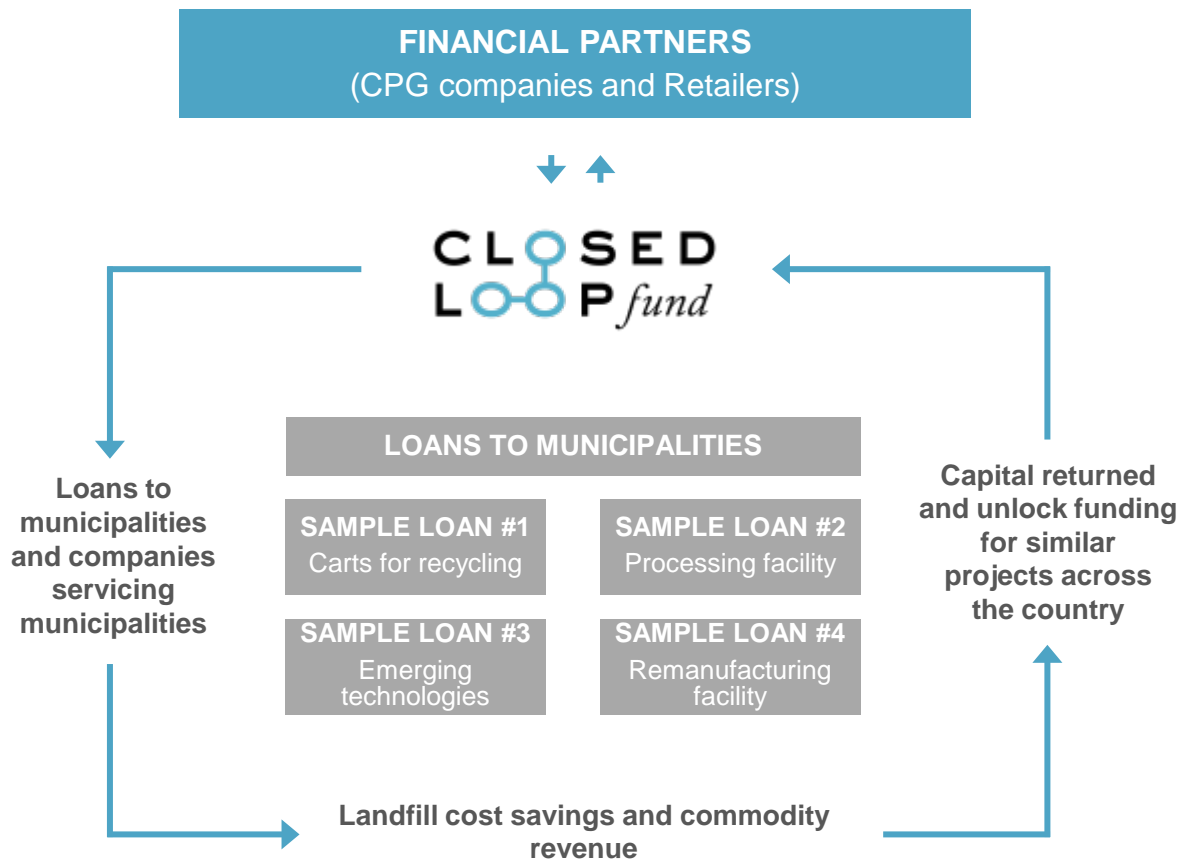


SORTING



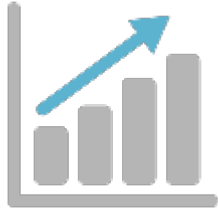
PROCESSING & MARKET
DEVELOPMENT

Fund Structure



Investment criteria

Every loan must meet four stringent criteria



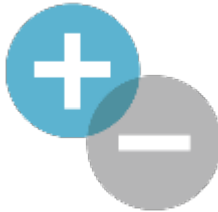
FINANCIALS

Applicants must demonstrate long term financial viability of project.



REPORTING

Applicants must demonstrate the ability to provide detailed reports.



SCALABILITY

Applicants must demonstrate that the project can scale and be replicated by other cities.



TONNAGE

Applicants must demonstrate that the project will generate a significant increase of tonnage returned to the supply chain.

Anticipated impact of the fund

The Closed Loop Fund targets following impact could be achievable over the life of the Fund (10-years):



SOCIAL

2,000+ incremental local jobs vs. land-filling.



ENVIRONMENTAL

50 million metric tons of GHG reduction



FINANCIAL TO MUNICIPALITIES

\$2B in avoided landfill tipping fees and revenue generated from selling diverted commodities.



UNLOCK PUBLIC AND PRIVATE FUNDING NATIONALLY

Create scalable models that prove financial value to funders across the country to help bring modern recycling programs to homes across the US.



**QRS -- Plastic Recovery Facility (PRF)
Baltimore, MD**

Investment: Create profitable market for hard-to-recycle rigid plastics (#3-7) for the east coast.

Impact Over 10-years: 650,000 tons, 670,000 tons of GHG

Total Project Cost: \$11,000,000

Closed Loop Fund Portion: \$2,000,000

Co-investment unlocked: \$9,000,000



Portage County, OH

Investment: New Single Stream Recycling Carts and Trucks in Midwestern semi-rural community

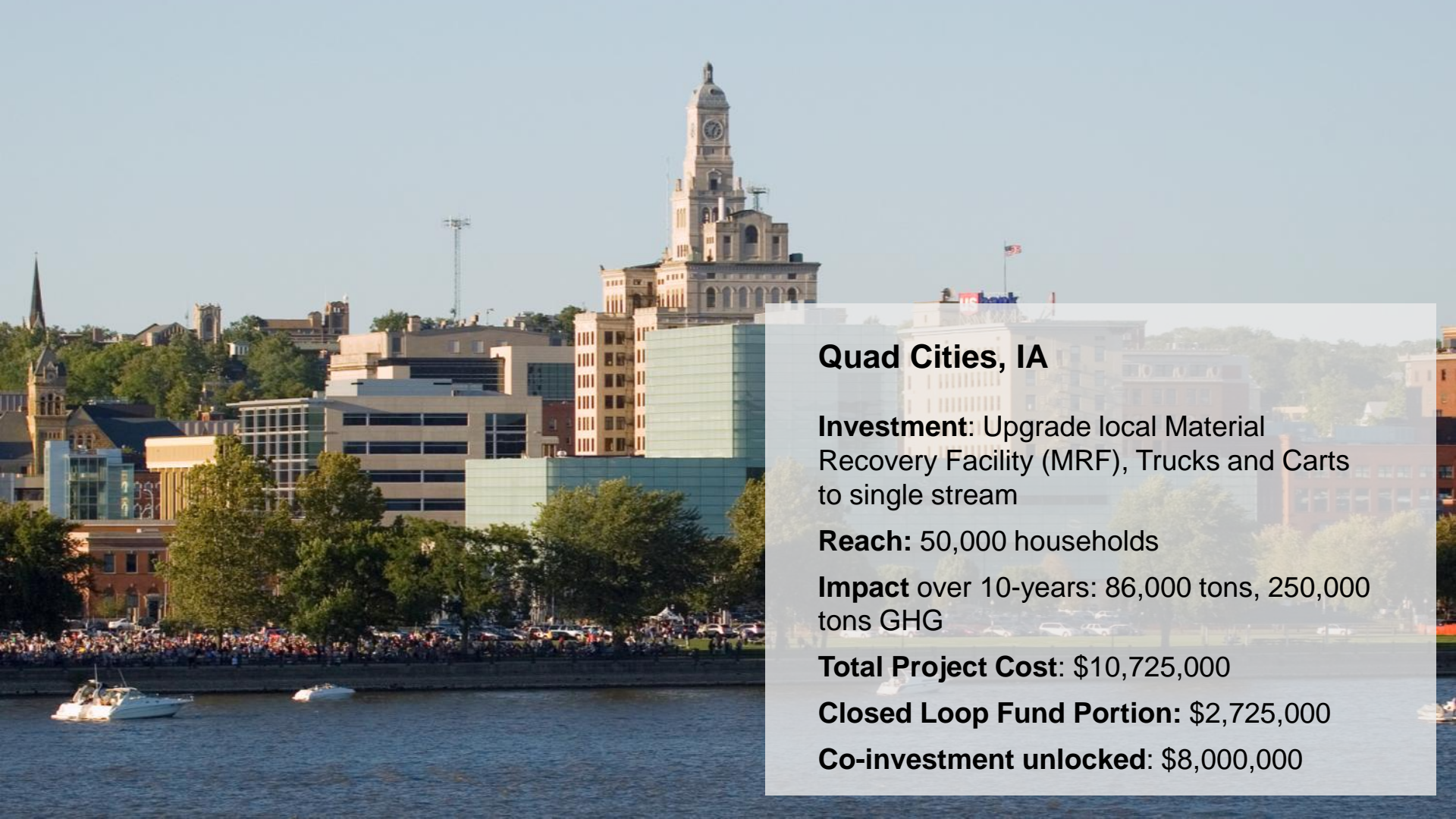
Reach: 25,000 households

Impact over 10-years: 37,000 tons, 110,000 tons of GHG

Total Project Cost: \$4,300,000

Closed Loop Fund Portion: \$3,100,000

Co-investment unlocked: \$1,200,000



Quad Cities, IA

Investment: Upgrade local Material Recovery Facility (MRF), Trucks and Carts to single stream

Reach: 50,000 households

Impact over 10-years: 86,000 tons, 250,000 tons GHG

Total Project Cost: \$10,725,000

Closed Loop Fund Portion: \$2,725,000

Co-investment unlocked: \$8,000,000

Rethinking Food Waste through Economics and Data (ReFED)

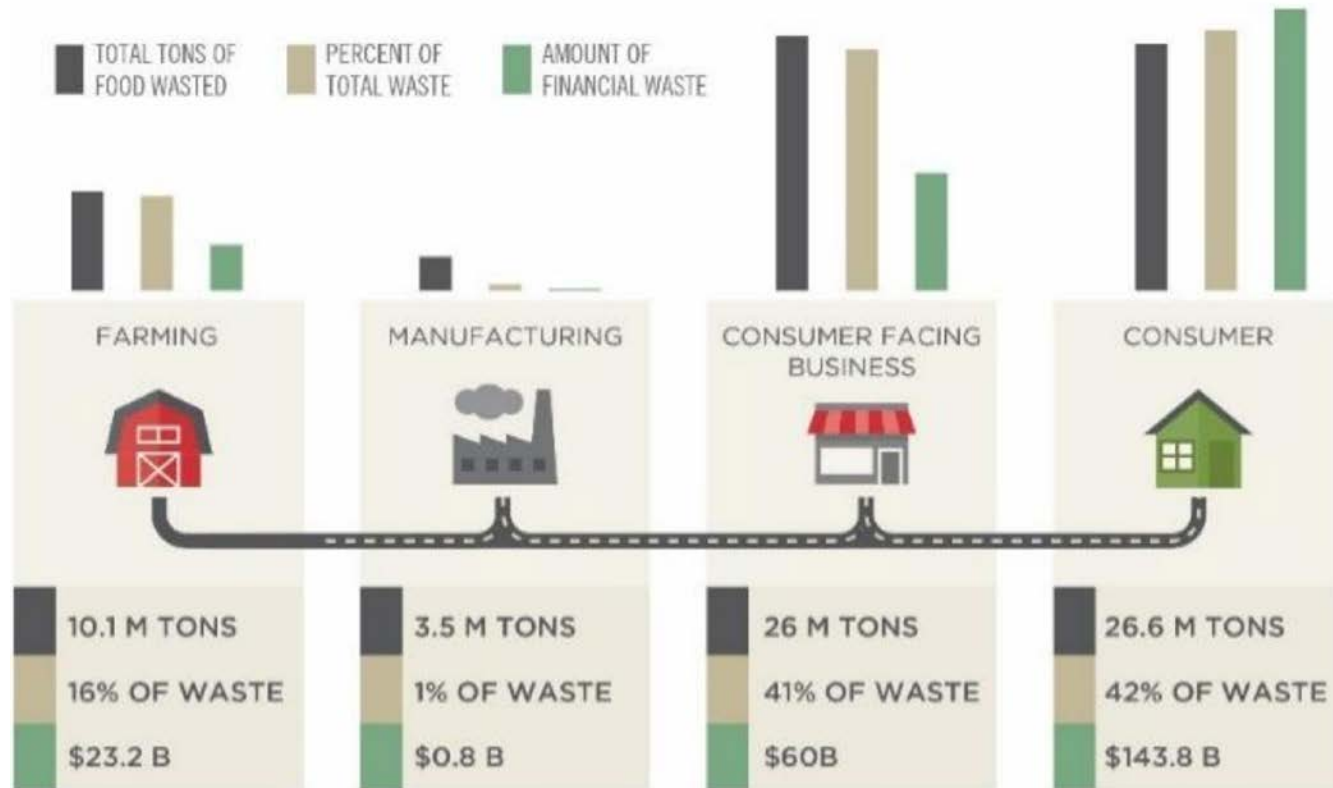
Problem: Today, the United States spends \$218 billion – 1.3% of GDP – growing, processing, transporting, and disposing of food that is never eaten.

Roadmap: ReFED envisions a future where combating food waste is a core driver of business profits, job creation, hunger alleviation, and environmental protection.

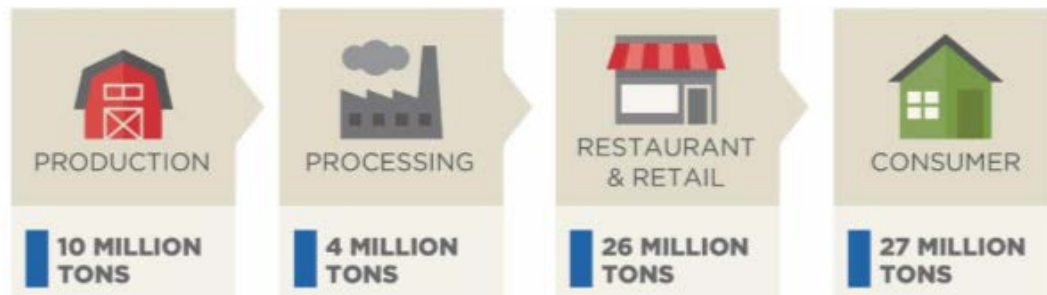


VALUE CHAIN: WHERE DOES FOOD WASTE OCCUR?

Food waste is created throughout the entire food value chain, from farms, distributors, and processors to retailers, restaurants, and households. All of this waste has enormous economic value across every segment of the food supply chain—a **loss of \$227.8B annually** at current market prices:



The enormous amount of food waste generated today is more than any one type of solution has the capacity to manage. Therefore, the proper management of food waste will require a suite of solutions.



PREVENTION

Food Waste Reduction Technology Businesses

Businesses that use technology to reduce spoilage and inefficient practices in the manufacturing, delivery and sale of food.



RECOVERY

Donation

Business models that increase the amount of food traditionally slated for waste that can instead reach people in need.



RECYCLING

Anaerobic Digestion

Large Scale Digesters- Leading processing system for handling large amounts of food waste

Small Scale Digesters – Best solution for commercial entities like supermarkets and colleges that have space.

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