Designing a Community Food Waste Program

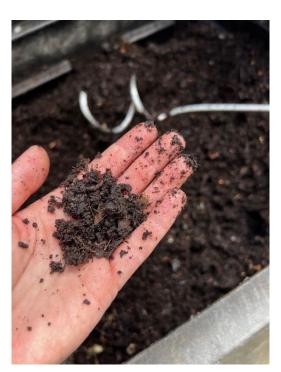
Carla Doughty
Zero Waste Providence
carla@zerowasteprovidence.com

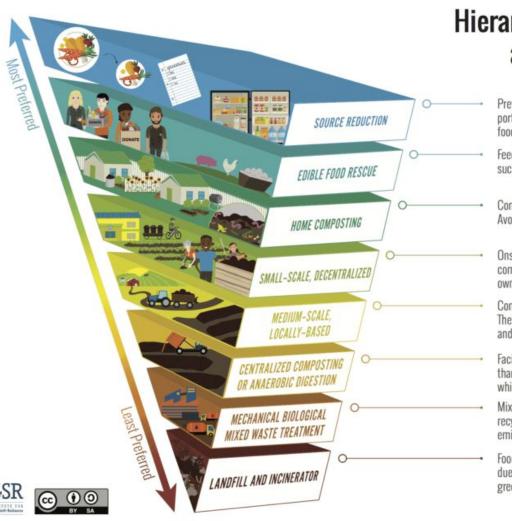


Our language has meaning and is important



- Food Scraps and Compost
- Food Scrap Diversion from Landfill and Source Separating
- Aerobic Composting at scale and Anaerobic Digestion
- Local radius (5 miles, 50, 250?)
- Are you "walking the talk?"





Hierarchy to Reduce Food Waste and Grow Community

Prevention. Do not generate food waste in the first place! Reduce portions, buy what you need, and organize your fridge for optimal food usage.

Feed hungry people. Divert food not suitable for people to animals such as backyard chickens or to local farmers' livestock.

Composting in backyards or in homes. Avoid collection costs!

Onsite composting or anaerobic digestion, and community composters can accept material from off-site or simply process their own material.

Composting or anaerobic digestion at the small town or farm scale. These systems handle typically between 10 and 100 tons per week and are designed to serve small geographic areas.

Facilities serving large geographic areas that typically handle more than 100 tons per week. Material generally leaves the community in which it is generated.

Mixed garbage is mechanically and biologically processed to recover recyclables and reduce waste volume and the potential for methane emissions before landfill disposal.

Food waste should be banned from landfills and trash incinerators due to their high capital costs, pollution, and contribution to greenhouse gas emissions.

What do we mean when we say Community?

- Local Education
 - Local Food Scraps
 - Local Hauling as needed
 - Local Processing
 - Finished Compost applied locally



Identifying Needs and Identifying Barriers

11% have never heard of compost

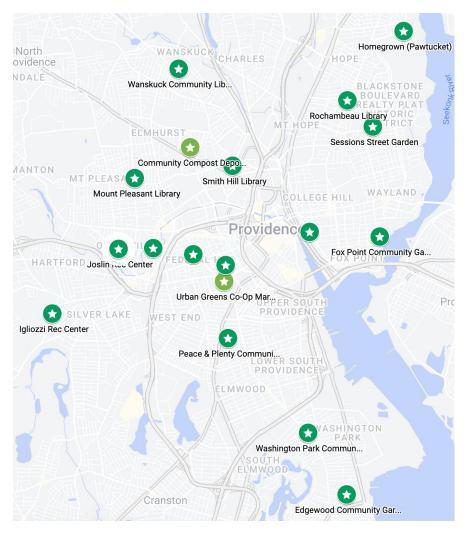
25% are unsure what can / cannot be composted

30% are unaware of services / resources available

33% lack of space or free time

Free Time is correlated to income.

We see higher participation in wealthier neighborhoods of Providence (in both paid pick-up services and drop-off locations)



ZWP Outreach Team is working to spread awareness of available resources at a peer-to-peer level in PVD

Backyard Mentorships (with Providence Gardenworks)

Pick-up Services (such as Harvest Cycle and Bootstrap)

Drop-off Sites can be free!



Composting System

Community Farms & Gardens











Meal Preparation











The Power of Small



