

**K I L R O Y**

Fremont Lake Union  
Center  
Zero Waste Resources



ALL ABOUT WASTE

# What is zero waste?

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- Diverting **90% or more** of waste from landfills, incineration and the environment by **reusing, reducing, recycling, and composting**
- Discarded materials become **resources** for others to use

Fremont Center currently operates at a high level, diverting more than **65% of its waste from landfills.**

**We can achieve more with your help!**



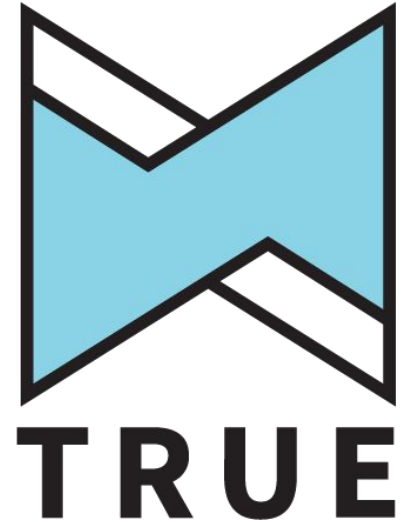
TRUE Certification

## Certification is recognition

TRUE Certification is a building certification that documents **performance** for high-achieving buildings, when it comes to waste management

**Kilroy's Fremont Center** is currently pursuing TRUE Certification in 2022

**Goal: Reach 90% waste diversion from landfills and certify the project in 2022**



ALL ABOUT WASTE

## Waste Audit

# In 2021, Fremont Center performed a waste audit of its primary waste streams

A waste audit is a quantitative assessment of how much waste is generated, what types of waste are present, and where they are being placed onsite

The following slides detail some of the key results for each waste stream, and the project's diversion rate



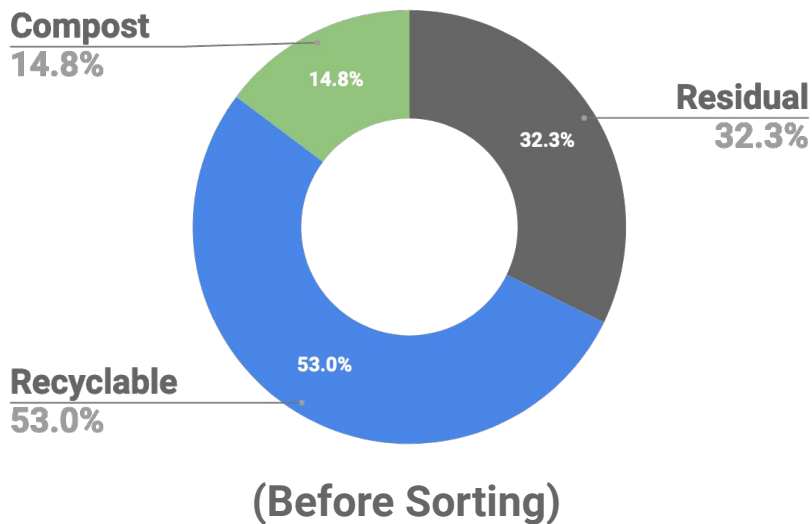
# Fremont Center - Waste Audit Results

Waste Generated: **92.47 lbs**

Actual Diversion Rate: **62.12%**

## Key Findings:

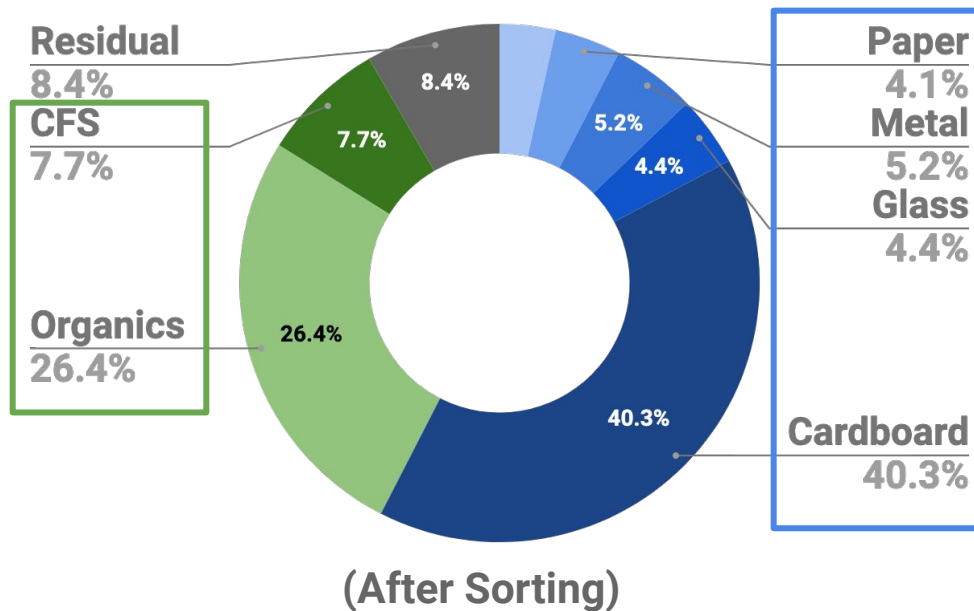
- **Compost** waste stream was the least utilized of the 3 main streams
- **Recycling** was largest, but Landfill waste made up nearly  $\frac{1}{3}$  of the overall waste
- Diversion rate was good, but still far from required 90% for zero waste



# Fremont Center - Overall Waste Composition

## Key Findings:

- **Organic, compostable materials** made up more than 1/3 of the overall, but compost was the smallest waste stream
- **Recyclable materials** dominated the overall composition at 57.5%
- **Residual materials** that belong in the Landfill stream made up just 8.4% by weight, although the Landfill waste stream was more than 32% of the overall



# Fremont Center - Landfill Stream Waste Data

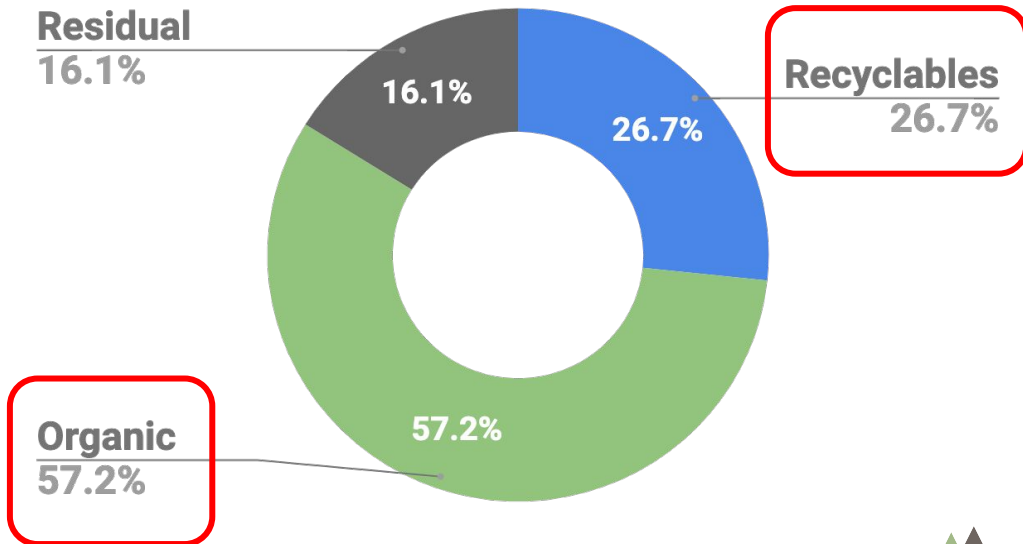
This shows the types of materials thrown into the Landfill stream at Fremont Center.

The takeaway and main focus is to remove **organic** and **recyclable** materials from the Landfill stream, and place them into the **Compost** and **Recycling** streams respectively.

## Benefits:

- **Increase** waste diversion rate
- **Reduce** carbon emissions
- **Achieve** TRUE Certification

## Landfill Waste Stream



# Takeaways: How can we improve?

## Top Priority:

Remove **compostable** materials from the Landfill stream, and place them in the **Compost** stream instead

## Other recommendations from the waste audit that support this priority:

- Redesign waste collection bins to provide for all three primary streams in the building (Landfill, Recycling, and Compost)
- Eliminate individual desk bins and prioritize central collection stations
- Adopt more effective, color-coded signage that also shows accepted materials for each waste stream
- Utilize reusable food serviceware in pantry areas onsite



# Example of Findings



This is an example of waste found in the **Landfill** waste stream, that could have been diverted in the Compost and Recycling streams.

## Ideal Sorting Example:

- **Food waste** would ideally emptied into the **Compost** stream
- **Recyclable plastic** food container would then be placed in the **Recycling** stream, after being emptied and clean of food or liquids



What is compostable?

# Compostable Materials

1. Meat, fish, poultry, bones
2. Dairy products (yogurt, cottage cheese, etc.)
3. Vegetable and fruit trimmings
4. Egg shells, bread, pasta, and coffee grounds
5. Food-soiled paper and cardboard like pizza boxes, paper coffee filters napkins, paper towels, brown paper bags and paper plates

**Rule of Thumb: If a pig can eat it, or it was once alive, it is compostable**



## Example Signage

This is signage showing accepted materials for Fremont Center's **compost** waste hauler, **Cedar Grove**

Access here:



**Food+ Compostables**

**Commercial Collection**

**Food**

- Fruits: Bananas, apples, oranges, pineapple
- Vegetables: Broccoli, carrots, tomatoes, eggplant, corn
- Shells & bones: Shrimp, scallops, crab, chicken bones
- Pasta & rice: Spaghetti, rice
- Eggshells, nutshells (paper carton): Eggs, eggshells
- Bread & grains: Bread, sandwiches, burgers
- Meat, fish & dairy: Salmon, chicken, cheese

**Food Soiled Paper**

- Paper bags, towels & newspaper: Paper bags, paper towels, newspaper
- Greasy pizza boxes & waxed cardboard: Pizza boxes, cardboard
- Uncoated paper plates & napkins: Paper plates, paper napkins
- Tea bags: Tea bags
- Coffee grounds & filters: Coffee grounds, coffee filters

**Approved Compostable Packaging\* Plants & Flowers**

- Approved compostable packaging: Paper cups, paper plates, paper bowls, paper containers
- Plants & Flowers: Flowers, leaves

\*Approved compostable packaging: [www.resourceventure.org/foodpluscompostables](http://www.resourceventure.org/foodpluscompostables)

**! NO Plastic — NO Metal — NO Glass !**

# Here are other strategies to help you better sort your waste

1. Implement central waste collection stations, where bins for all three streams (**Landfill**, **Recycling**, and **Compost**) are located next to each other
2. Eliminate individual desk bins and prioritize the central collection stations
3. Adopt clear, color-coded signage that also shows accepted materials for each waste stream

See specific examples on the following slides



# Central Waste Collection Stations

## Strategy:

Provide bins for all three streams (**Landfill**, **Recycling**, and **Compost**), located next to each other



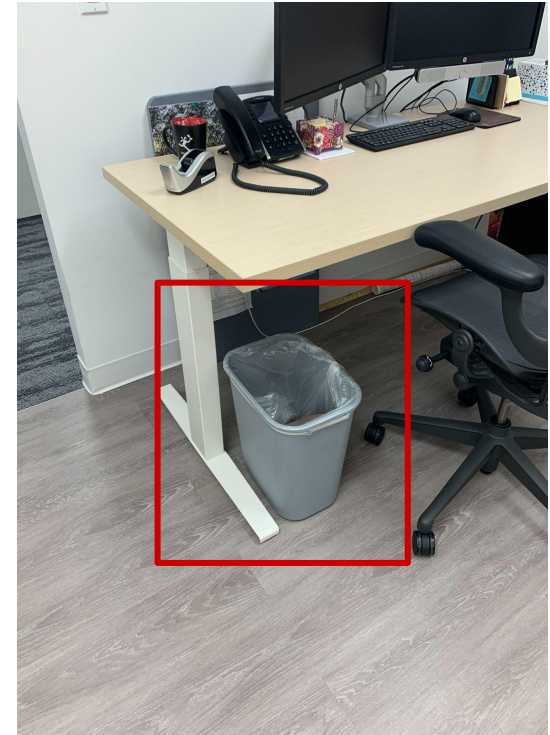
# Eliminate Individual Desk Bins

## Strategy:

Eliminate individual desk bins and prioritize the central collection stations

**Reason:** Deskside bins lead to more mixing of materials, because they only offer one or two waste streams

**Examples on the right of individual deskside bins to remove**



## Adopt Clear, Color-Coded Signage

### **Strategy:**

Adopt clear, color-coded signage that also shows accepted materials for each waste stream

**Reason:** Signage helps occupants associate colors with each waste stream, know what stream each bin is for, and know what materials are accepted



**City of Seattle provides free posters for businesses that request them, use this QR code to find the order link!**



## Next Steps

# Together, we can better manage our compostable materials

If your tenant space already has **Compost** waste stream bins in place, then educating employees/occupants educating is one of the best ways to improve

If your tenant space does not currently have **Compost** waste stream bins in place, implementing them now and using the strategies shared here can help

## Let's get to zero waste and achieve the TRUE Certification!





## Resources

1. [Seattle Commercial Composting](#)
2. [Compostable Items Flyer](#)
3. [Waste Signage Order Form](#)
4. [Seattle 3 Waste Stream Flyer](#)



# Any Questions?

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Reach out to the Kilroy Property Manager, Samantha Suon at [ssuon@kilroyrealty.com](mailto:ssuon@kilroyrealty.com)!



# Thank you!

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