

**SWANA**  
SOLID WASTE ASSOCIATION OF NORTH AMERICA

**SOAR**  
SUSTAINABILITY. OPERATIONS. ACTION. RESOURCES.  
*Technical Solutions for Resource Management*

#SOAR2024  
#SWANASOAR

**LARGE SOLUTIONS  
FOR LARGE WASTE**

April 17, 2024

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**Today's  
Speakers**  
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*Shared passion for  
innovative, sustainable  
solid waste management  
solutions*


**Eugenia Manwelyan**  
*GBB Senior Project Manager*

**Sara Kirby**  
*Metro Senior Solid Waste Policy Planner*

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# Today's Agenda

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- Bulky Waste Overview
- Solutions
- Case Study: Oregon Metro Pilot
- Best Practices
- Key Takeaways
- Q&A / Contact Us

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## GBB's Story


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**GBB** is an international solid waste management consulting firm that helps public- and private-sector organizations craft practical, customized and technically sound solutions for complex solid waste management challenges.

**Since 1980**, GBB has been a trusted resource at the forefront of the industry, creating success stories that integrate smart planning with effective management of solid waste services. Our staff enables our clients to do more with less.




ENVIRONMENT



SOCIAL



GOVERNANCE



CARBON neutral






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Only directly elected regional government

Includes 24 cities and urban areas of 3 counties  
1.7 million people

 Regional Waste Plan	 Future Metro South recycling and transfer center	 Future Metro West recycling and transfer center
 Garbage and recycling service standard updates	 Multifamily recycling research	 Waste Prevention and Environmental Services budget and solid waste fee setting
 Enhancing regional dry waste recovery	 St. Johns Landfill	

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Bulky Waste  
What is it?

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**Solutions:**

Public Education on Reuse

Community Swap Events

Grants



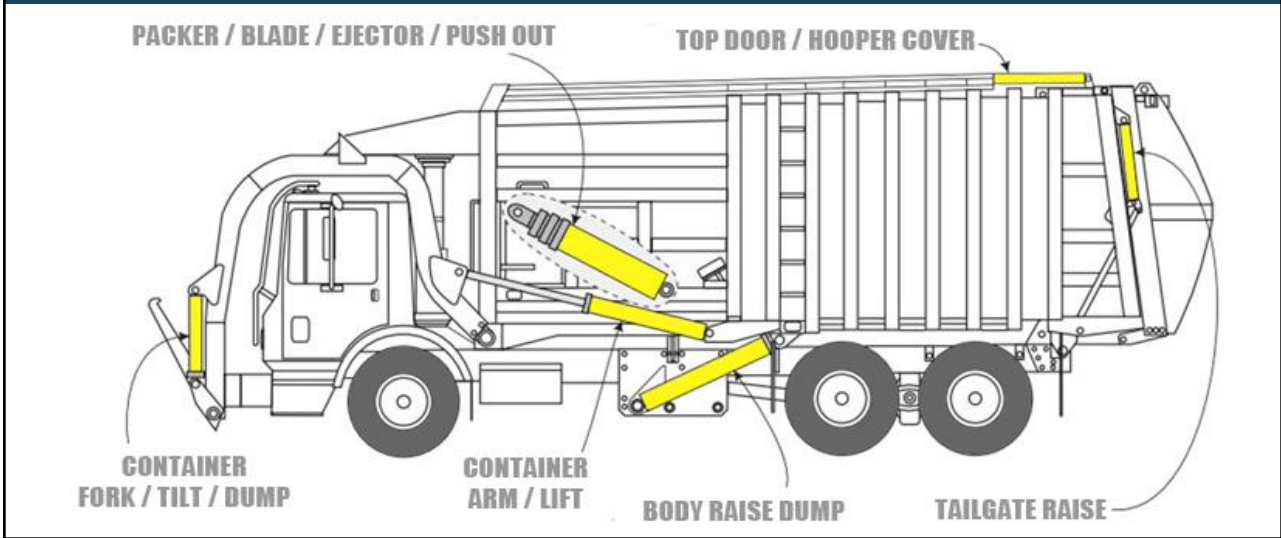
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# Solutions: Incentivization

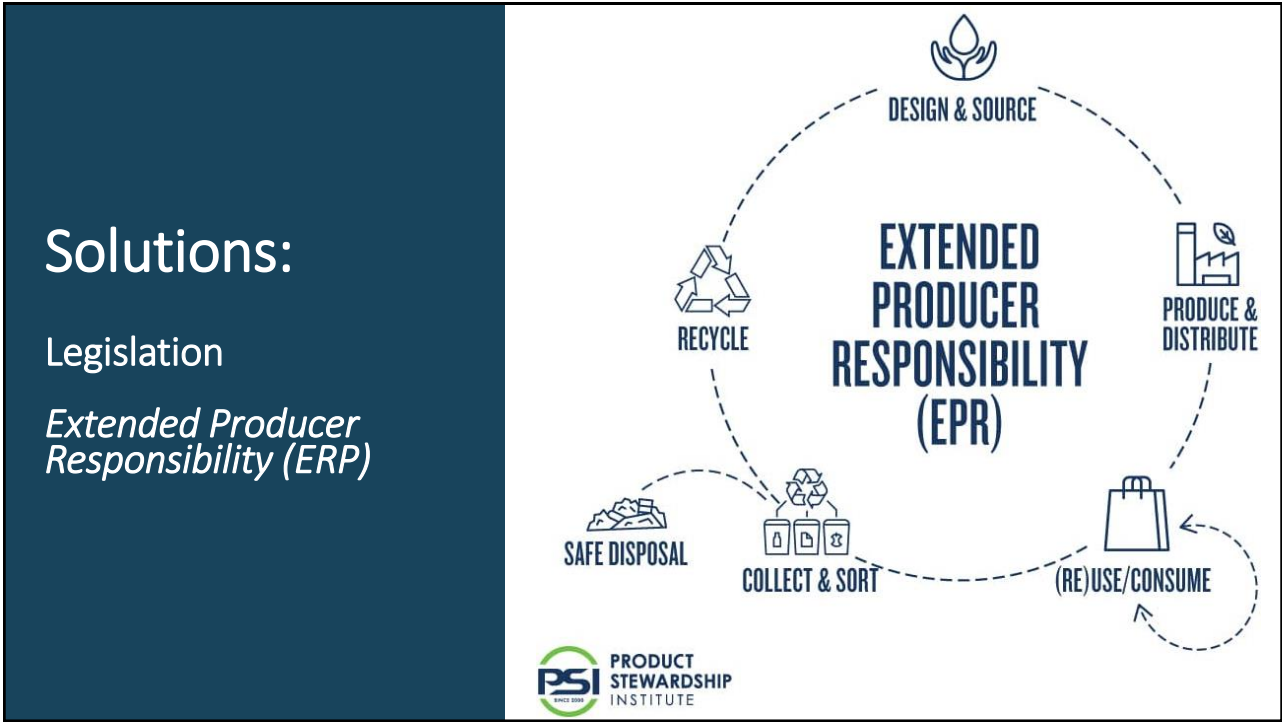


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# Solutions: Waste Hauling Technology



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## What we did

- 39 properties; 2,800 units
- 16 weeks of collection
- 2 collectors
- 3 door to door outreach pushes
- Data on generation, demand, cost, characterization and material condition

# Large item collection

Collected weekly Oct. 1, 2023 to Jan. 19, 2024

This free disposal service is available for a limited time at a small number of properties in the City of Gresham, your property included.

## Household items



✔ Accepted items must be larger than 3 feet and include: Furniture, mattresses and box springs, appliances, TVs, computers, and other electronics.

✘ No paint, motor oil, gas cylinders or hazardous waste (flammables, pesticides).



Materials will be picked up weekly by your garbage collection company. A large sign on property indicates where you can place items for collection.

Do not block access to other bins.

More information | Más información | Thêm thông tin | 更多信息 | Дополнительная информация | المزيد من المعلومات

[oregonmetro.gov/largeitemcollection](http://oregonmetro.gov/largeitemcollection)



Metro's recycling and disposal experts are available to answer questions in Spanish and English. Call 503-234-3000 or visit [oregonmetro.gov/askmetro](http://oregonmetro.gov/askmetro)

The large item collection service is a joint effort of Metro and the City of Gresham.



CITY OF  
GRESHAM

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## Initial Results

- 52 tons total over 16 weeks from 2800 units
- Developing per unit generation and cost constants
- Property level demand data
- Material condition and reuse



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# Questions & Answers



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**THANK YOU!**

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