



Webinar #3:
State and Municipal Views on
Textile Waste in the U.S.



Webinar #1:

The Cost and Environmental Impact of U.S. Textile and Apparel Waste

Webinar #2:

How U.S. Textile Recovery Works and Emerging Innovation in Sortation Technologies

Webinar #3: Weds. Sept. 6th @ 1:00-2:00pm EST

State and Municipal Views on Textile Waste in the U.S.

Webinar #4: Weds. Sept. 20th @ 1:00-2:00pm EST

A Rising Tide of Apparel and Textile Waste - What Brands are Doing and is it Enough?

Go to <http://textileexchange.org/events/> to register



United by Action

Catalyzing the Sustainable Development Goals in Textiles

Washington, D.C. | October 9-13, 2017

More Information:

<http://textileexchange.org/2017-textile-sustainability-conference/>

#TExtileConf | #CreatingMaterialChange | #GlobalGoals



Marisa Adler,
Sr. Consultant, RRS



RRS 
recycle.com

Are you
ready to
effect
change?



ORGANICS
MANAGEMENT



WASTE
RECOVERY



GLOBAL CORPORATE
SUSTAINABILITY

since 1986



**Bridget Anderson,
NYC Department of
Sanitation**



Textile Recovery in NYC

Programs, Policies, and Priorities



Bridget Anderson, NYC Department of Sanitation (DSNY)
Textile Exchange Webinar #3, hosted by RRS
September 6, 2017

How NYC approaches waste management

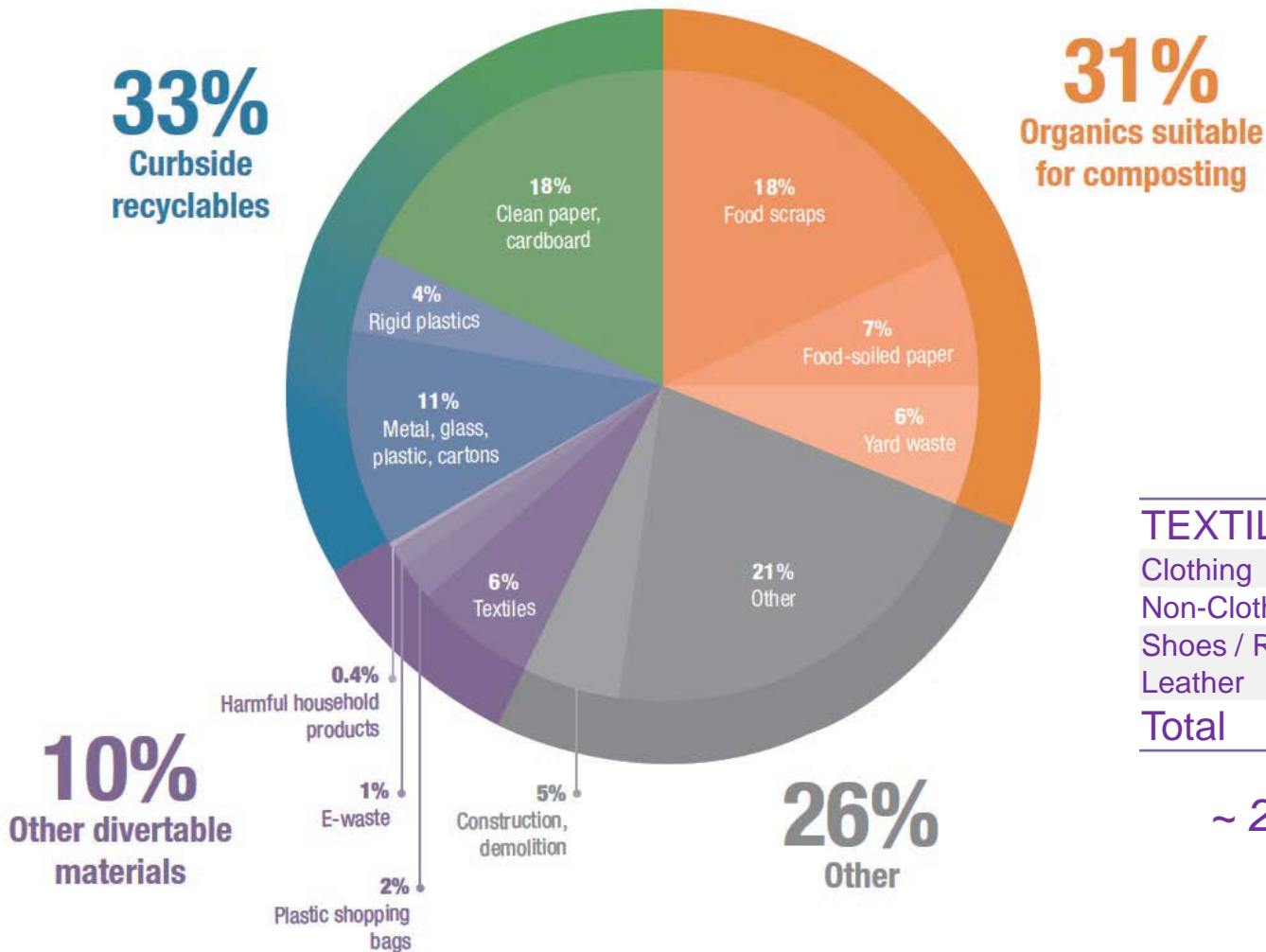
- Understand what is in the waste
- Determine Services
 - Encourage and Incentivize Participation in Services
- Track and Measure Outcomes

“Marching orders” from laws and regulations
– which reflect local political priorities

Balancing trade-offs

– convenience, cost, efficiency, equity, infrastructure, priority

Textiles in the NYC Waste Stream



TEXTILES	2013	2005
Clothing	2.8%	2.5%
Non-Clothing	2.2%	1.4%
Shoes / Rubber / Leather	1.1%	1.0%
Total	6.2%	4.8%

~ 200,000 tons annually

Determine services – textiles in context

Challenges

- Historically textiles ***not a policy priority*** for a mandate or disposal ban
 - Not identified directly as a human or environmental health issue
 - Not a regulated substance at the federal or state level
- Data availability for planning is limited
 - Mixed textile recycling / salvage markets ***not well understood***
 - Flow of goods for reuse is ***not well tracked***

Opportunities

- ***Local charitable organization*** reliance on textile donations to raise money to perform social services is politically supported
 - Also, prioritizes ***reuse over recycling***
- Predominance of apartment buildings offers an ***opportunity for consolidation***

Determine services – *pickup / curbside collection?*

Convenient, but costly.

- Not an item that residents discard daily or even weekly
- What fleet would need to be used to collect?
 - Can we use existing fleet?
 - How to maintain quality of the material? Rain? Compacting?
- Are there facilities to accept and sort the loads?
- Are there predictable, stable outlets / markets for the material?
- No mandate to ensure high participation

RefashionNYC

- Pickup program designed for NYC context

Curbside Textile Collection Pilot

- Give it a try and record what happens



Free Clothing & Textile Recycling

For Apartment Buildings



Items Accepted



women & men's clothing



children's clothing



shoes & boots



purses, gloves, scarves, hats & belts



towels & curtains



bedding & linens



clean rags & torn clothing

What Happens to Donations?

Some donations are sold in Housing Works thrift shops throughout New York City, including the Buy-the-Bag store in Brooklyn.

Some items are donated to Haiti or sent to other nonprofit thrift shops. The rest are sold to a textile merchant for recycling or exported to overseas markets. **No donations are sent to landfills!**

How To Enroll

To receive a refashionNYC bin, complete an online inquiry form at nyc.gov/refashion.

Service Options

The refashionNYC donation bin is offered in two sizes:

Small (2' deep x 4' wide x 6' high)

Large (3.5' deep x 4' wide x 6' high)

When the bin is full, request a pickup by contacting refashionNYC. Donations will be collected within five business days.



2015 Curbside Textile Collection Pilot

- One-day collection in four NYC districts
- Delivered to non-profit Goodwill
 - Provided tax receipts
- Bags mailed to all households



Total Participation
3.5% of bags set out
- 150 tons collected



Reuse	Salvage/Recycling	Waste
94.3	36.2	19
- \$617,000 total cost


Mailer and Education	Operational Costs
\$365,000	\$252,000
- \$625,500 net revenue for Goodwill
 - Used to support its social and employment services
- Capacity limitations to expand

Fall 2015 Curbside Textile Collection Pilot

EXECUTIVE SUMMARY

nyc.gov/sanitation |   @NYCSanitation



sanitation

Deliver services – *drop-off sites or events?*

Cheaper, less convenient.

- Promote drop-off opportunities that already exist
- DSNY-run vs DSNY-supported?
 - Leverage and expand capacity of groups already doing it
- Publicly sited bins problematic
 - How to manage and verify?

donateNYC

- Website and mobile app to promote and facilitate donations

Greenmarket collections and Stop-N-Swap events

- DSNY funding of GrowNYC to provide

Local Law 38 on Collection Bins

- Requires registration of collection bins and annual reporting



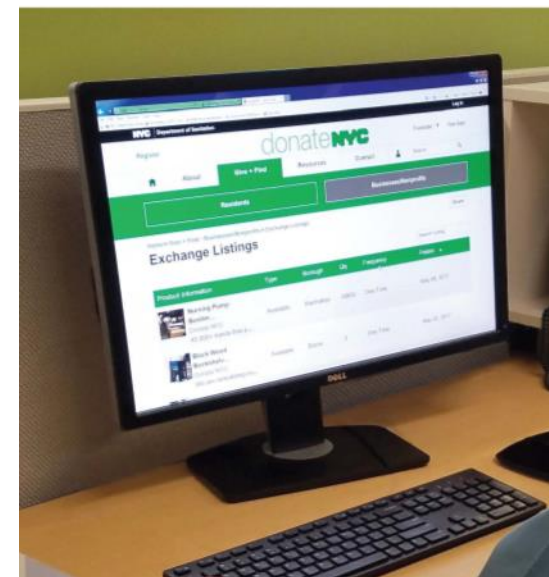
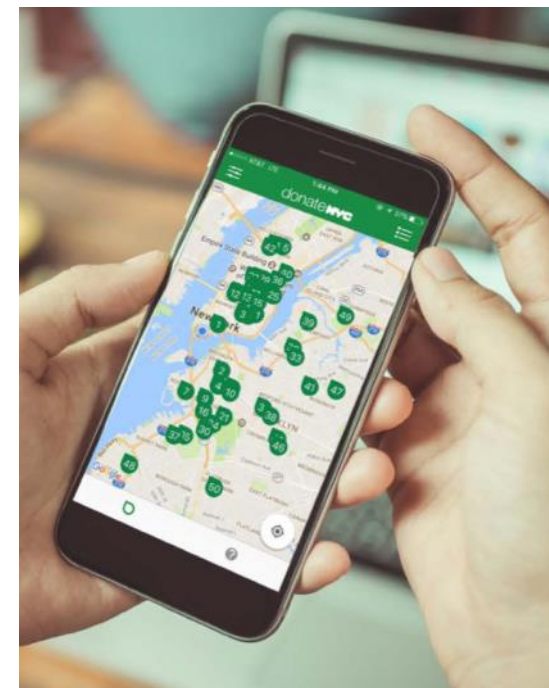
Give goods. Find goods. Do good.

Tools for Donating and Reusing Goods in NYC



Donate items like these:

-  Appliances
-  Household Furniture/Furnishings
-  Art/Crafts
-  Kitchen Items
-  Automotive
-  Lawn/Garden Supplies
-  Baby Care
-  Musical Instruments
-  Books/Media
-  Office Furniture/Furnishings
-  Building Products
-  Office Supplies/Stationery
-  Camping/Outdoor Equipment
-  Personal Care/Hygiene
-  Cleaning Products
-  Pet Care/Food
-  Clothing/Personal Accessories
-  Sporting Equipment
-  Electronics
-  Storage/Haulage Containers
-  Food/Beverage
-  Tools/Equipment
-  Footwear
-  Toys/Games
-  Healthcare



Greenmarket Collections and Stop-N-Swaps

DSNY funds GrowNYC to provide textile recovery drop-off services



- **Greenmarket Clothing Collections**

- Weekly clothing collections at 27 Greenmarkets
- Uses Wearable Collections, a for-profit, socially-minded company
- Since 2007, 2,250 tons



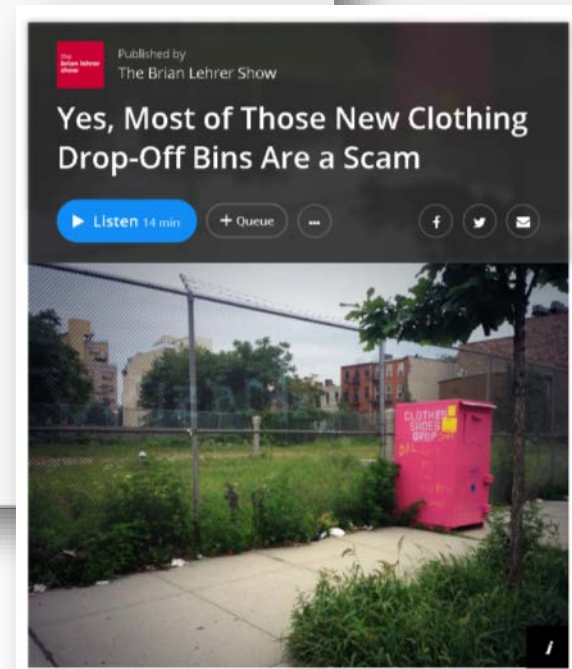
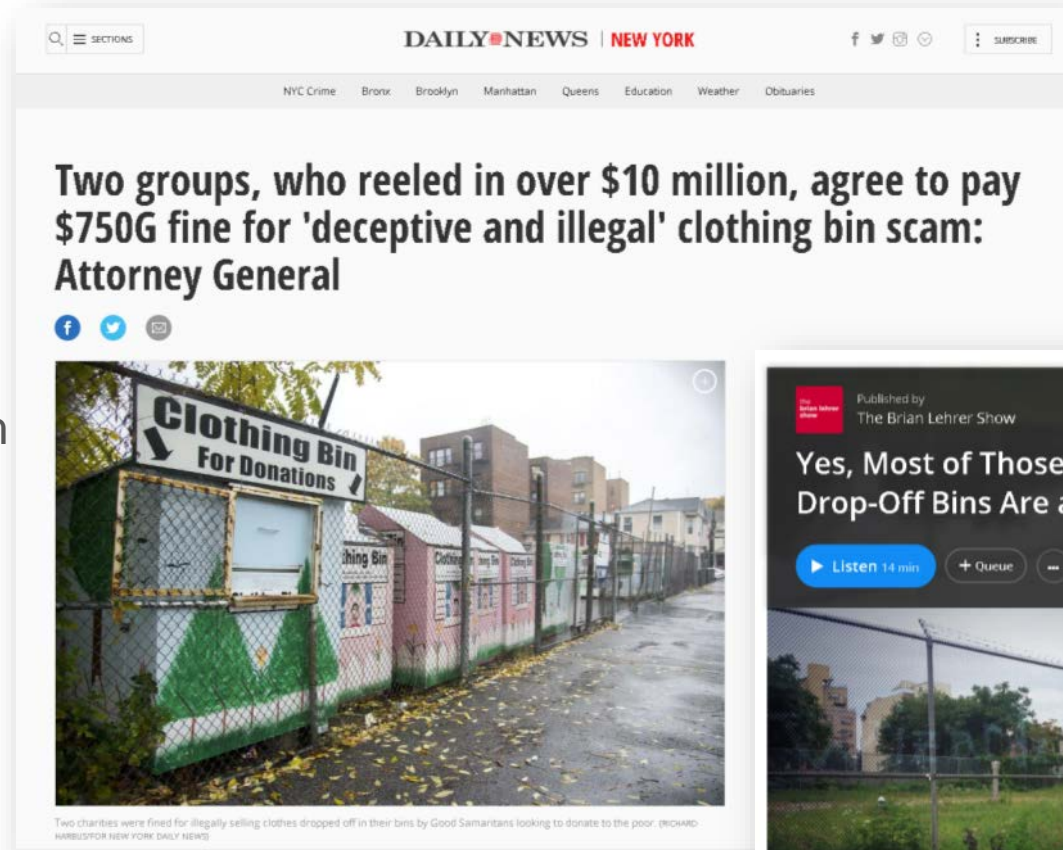
- **Stop-N-Swap Events**

- At local community locations
- Leftovers donated to local charity
- Leverages local volunteers



Problems with publicly sited collection bins

- Led to local laws requiring bin registration and annual reporting
- A lot of material recovered through these bins
- But companies not transparent about destination



Next steps as NYC pursues 0x30

- Research
 - Recycling and salvage markets
- More Pilots
 - How to make a periodic curbside collection viable
- Increase participation in
 - refashionNYC
 - donateNYC
 - Drop-off events
- Targeted policies?
- Certifications?



Thank you!

Bridget Anderson
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Simon Love,
Oregon DEQ



Reuse, Repair and Lifespan Extension of Textiles in Oregon

Simon Love

September 6, 2017

Agenda

1. How Oregon DEQ moved to Sustainable Materials Management
2. Why textiles?
3. Why recycling alone cannot solve the problem of textile waste
4. 2017 Textiles Survey & Education
5. DEQ work planned for 2018

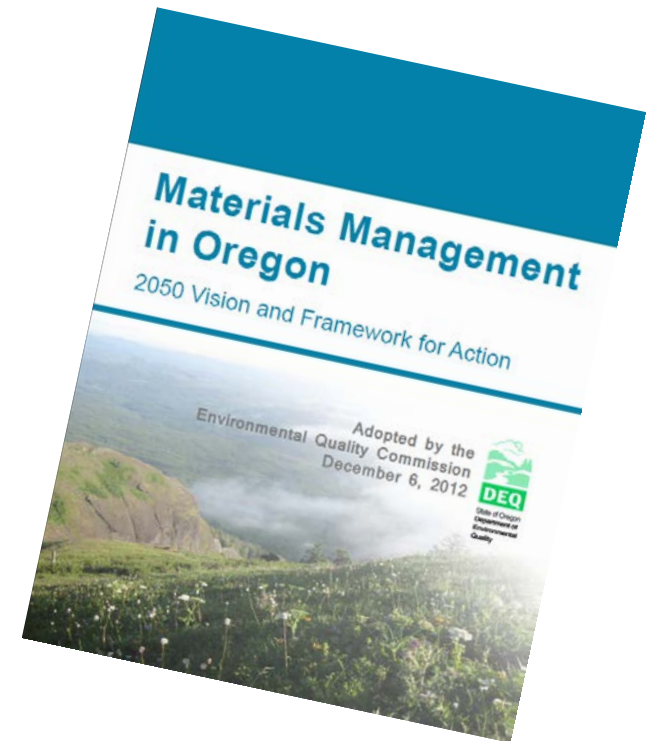


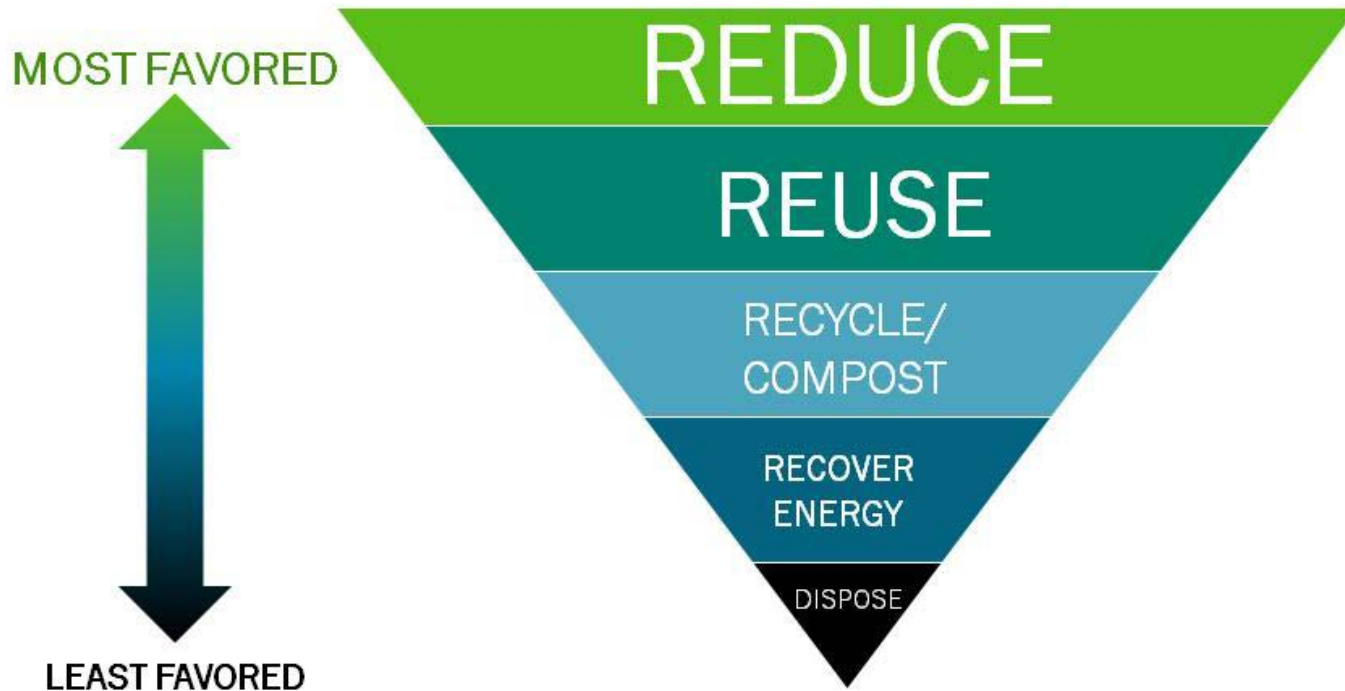
State of Oregon
Department of
Environmental
Quality

2050 Vision

for Materials Management in Oregon

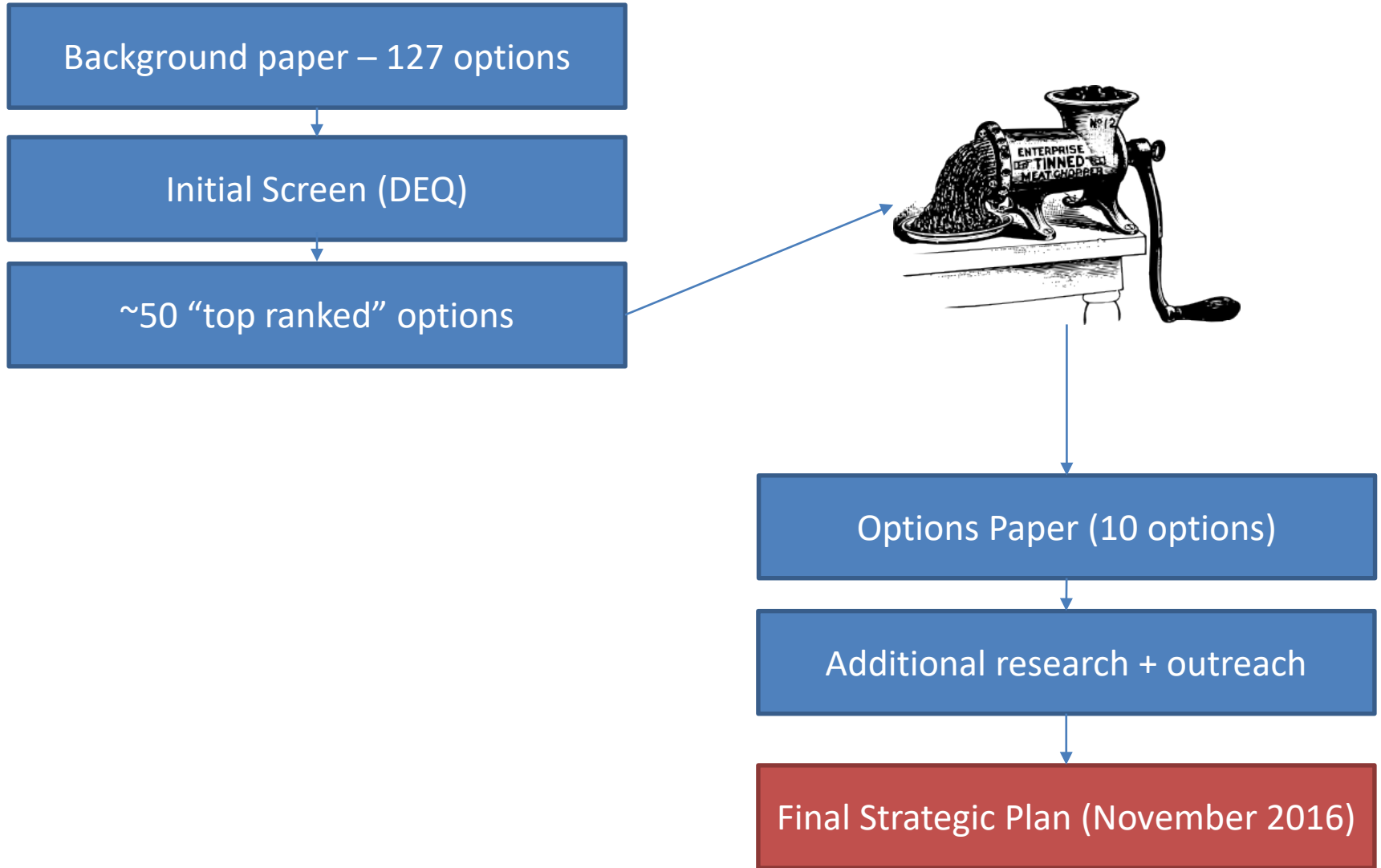
DEQ's shift from waste
management to
**sustainable materials
management**





Oregon's waste generation goal:
**reduce overall solid waste generation
to 15 percent below 2010 levels by 2025
and 40 percent below 2010 levels by 2050**

Reuse & Repair Strategic Plan



Background Paper – Textiles Ideas

- Improve collection
 - Foundational research
 - Curbside and drop-off options
 - Evaluate potential of EPR policy for clothing
- Support textile reuse/repair infrastructure
 - Research economic benefits of repair/reuse
 - Support repair industry – grants/loans/apprenticeships
 - Other reuse/repair business support

Background Paper – Textiles Ideas

- Shift to repairable/durable textiles
 - Demonstrate value of durable clothing
 - Research incentives for design for durability/repair
 - **State procurement**

- Provide public information
 - Repair classes, home ec, clothing care campaigns, new messaging

Strategic Plan - Textiles

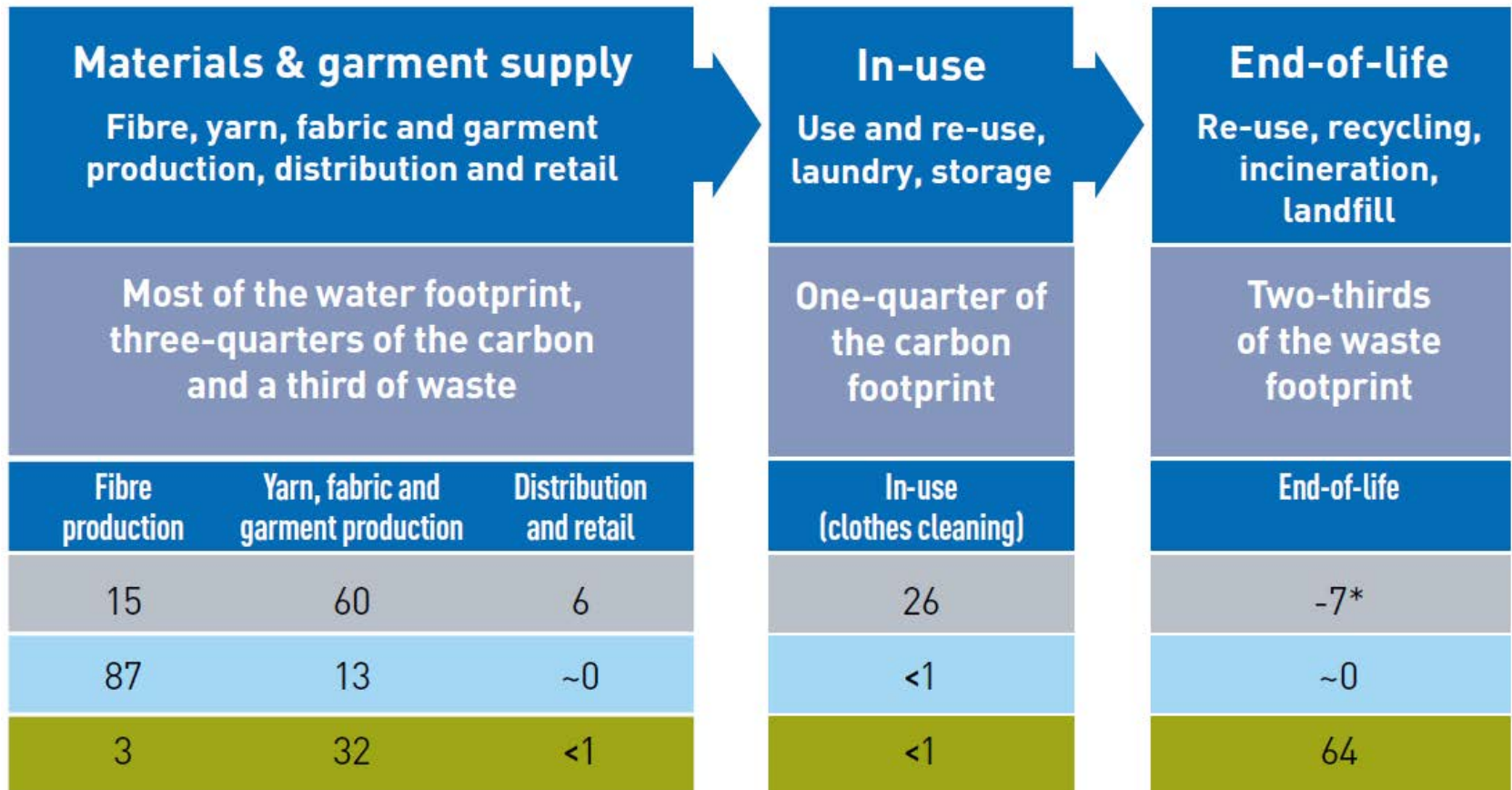
“Textiles were found to have significant impacts across their whole life cycle.” Plus in Oregon, great opportunity to involve large apparel industry players.

Initial Action

Execute a series of research projects that provide essential information about fundamental system issues in textile reuse, repair and durability.

What's Wrong with Recycling?

Textiles – Impact along Life Cycle

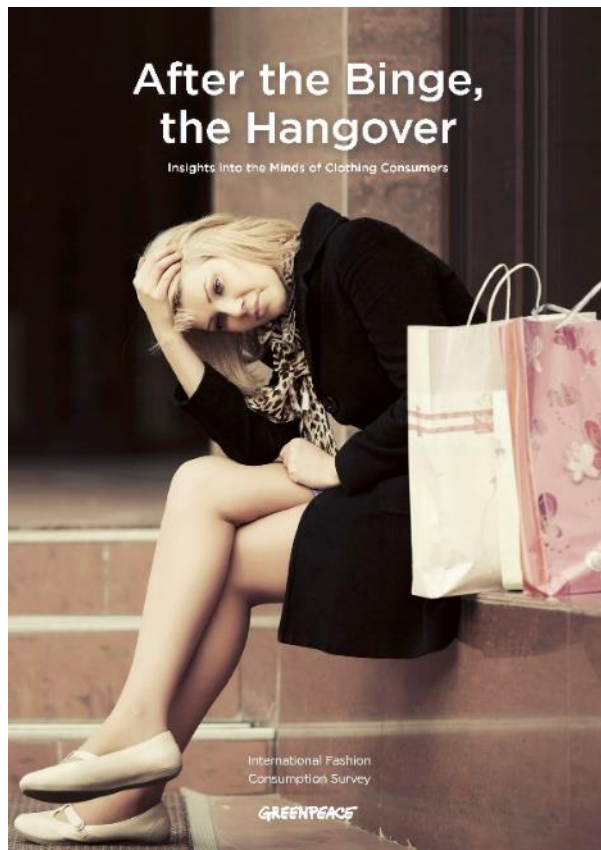


■ Carbon ■ Water ■ Waste

Source: UK WRAP

What's Wrong with Recycling?

Recycling alone cannot solve the problem of textile waste



Education Campaign – Context

- Oregon Opportunity to Recycle Act – local govts required to implement waste prevention & reuse programs
- May use their own, or DEQ’s “shelf-ready” campaigns
- DEQ creating campaign **“to get people to think differently *before* buying clothing, make smarter choices at the register, and extend the life of their clothing”**



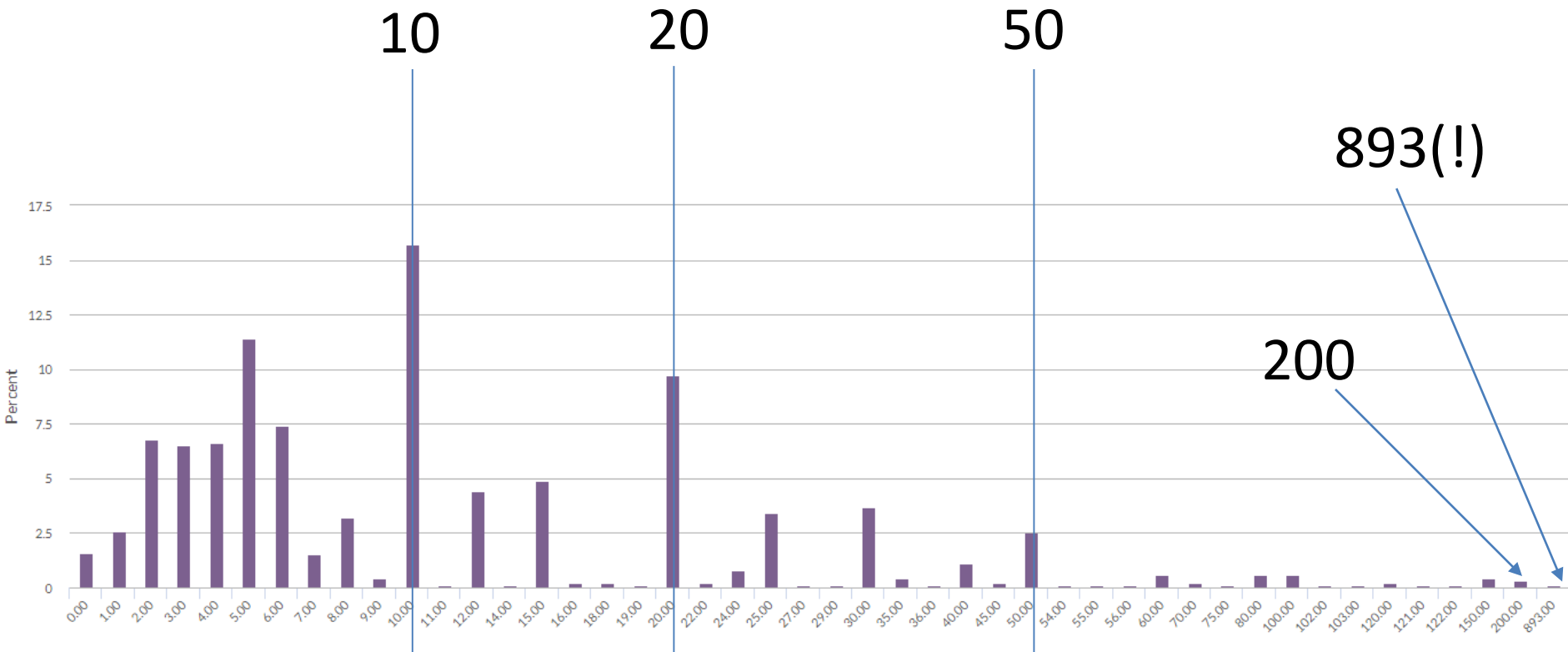
Oregon Consumer Survey

- 900 Oregon residents surveyed
- Focus on textiles – purchasing, wearing, use, cleaning, repair and discarding habits
- To inform future outreach/education campaigns



Oregon Survey Results

- Approximately how many new articles of clothing do you buy per year? (not including socks or undergarments)

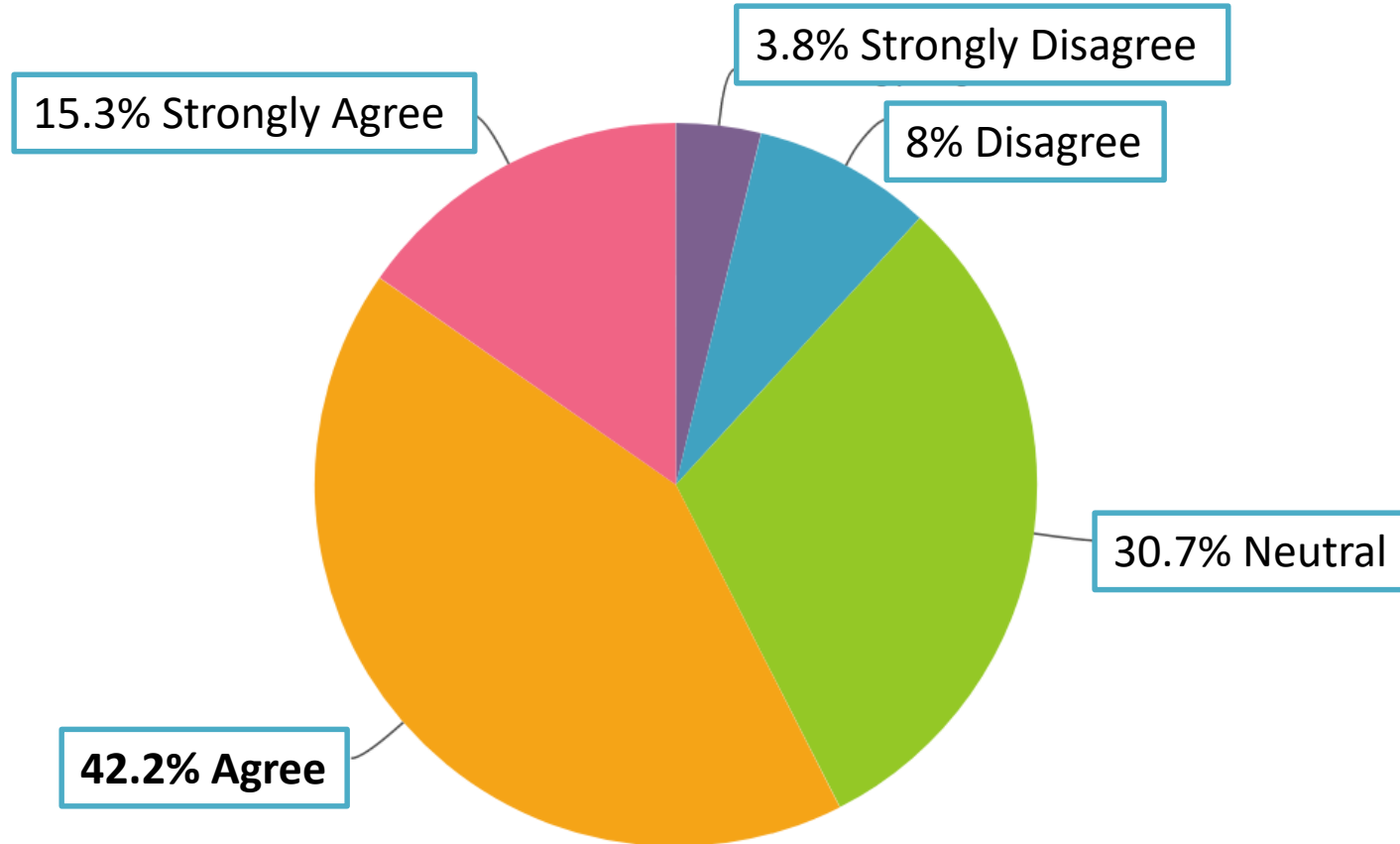


Oregon Survey Results

- **42%** made clothing purchases within the past year that they regretted, often due to an impulse buy, poor quality, or being unusable.
- **A third** of people have not repaired any of their clothing within the past year.
- **Half** or more respondents reported that they buy practical clothing, wear their clothes until they are worn out, and consider themselves to be thrifty.
- **61%** of respondents did not want to receive any further information on reducing clothing waste

Oregon Survey Results

“I don’t see buying new clothes as a problem, as long as I give away my old clothes rather than just throwing them away.”



2018 Planned Textiles Reuse/Repair Work

- Strategic approach:
 1. **Foundational Research**
 2. Develop infrastructure and build capacity
 3. Drive users to infrastructure
 4. Provide policy support where needed
- Foundational Research:
 - Why and when consumers discard textiles
 - Where Oregon textiles donated for reuse actually end up
 - Potential reusability of currently-discarded textiles
 - environmental differences between “fast fashion” and more durable clothing
 - Review of existing sustainable consumption work

Overlap with Existing Grants Programs

- **Materials Management Project Grants**
 - For any project that reduces waste generation, promotes reuse, or recovers solid waste through recycling, composting or anaerobic digestion

- **Reuse/Repair Workforce Development “Micro-Grants”**
 - Up to \$10k to small businesses & nonprofits
 - For hiring/training new reuse/repair staff



Thank you!

- Simon Love

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State of Oregon
**Department of
Environmental
Quality**



Q&A

WEBINAR SERIES

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Webinar Topic	Date/Time
✓ Webinar #1: The Cost and Environmental Impact of U.S. Textile and Apparel Waste	Wednesday, Aug 9, 2017, 1-2pm ET
✓ Webinar #2: How U.S. Textile Recovery Works and Emerging Innovation in Sortation Technologies	Wednesday, Aug 23, 2017, 1-2:15pm ET
✓ Webinar #3: State and Municipal Views on Textile Waste in the U.S.	Wednesday, Sept 6, 2017, 1-2pm ET
Webinar #4: A Rising Tide of Apparel and Textile Waste - What Brands are Doing and is it Enough?	Wednesday Sept 20, 2017, 1-2pm ET

CONFERENCE



Monday-Friday,
October 9-13, 2017