



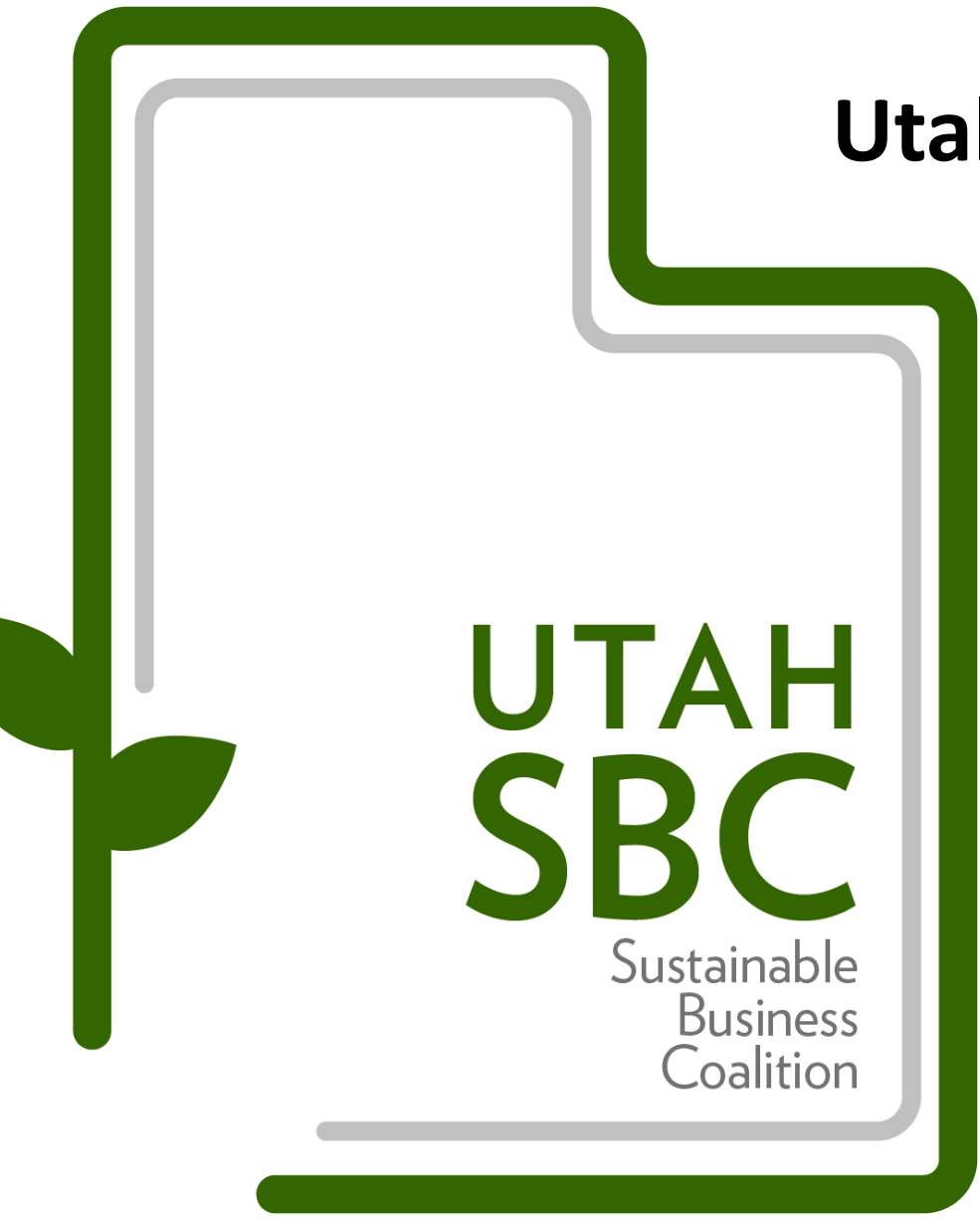
UTAH SUSTAINABLE BUSINESS COALITION

AGENDA

6/22/2021

- Understanding Recycling – Mercedes Anto
- SLC Waste Reduction Program – Kevin Staples
- Q&A and Closing Remarks – Matt Abbott





**UTAH
SBC**
Sustainable
Business
Coalition

Utah Sustainable Business Coalition

Lead. Impact. Network. Collaborate.

- Access to sustainability resources and education
- Be a part of an engaged network of sustainability leaders
- Learn about sustainable products, services, events, etc. in Utah
- Be aware of the current state of Utah legislation centered on sustainable efforts

WELCOME



Understanding Recycling

Mercedes Anto

Sustainability Director

Ace Recycling and Disposal





Types of Recycling Systems

Single Stream Recycling



Source Separated Recycling



What happens to our recyclables?





Recycling Contamination

- 30% of materials we try to recycle here in Utah wind up in the landfill
- Small amounts of particularly bad contaminants, such as glass, hazardous waste, etc., can ruin entire loads
- Costs everybody time and money



Contributing Factors

- Residents confused by inconsistent messaging
 - Different rules at work than at home
- Aspirational recycling--“Wishcycling”
- People are misled by recycling symbols
- Not naturally interested or invested in where their waste goes

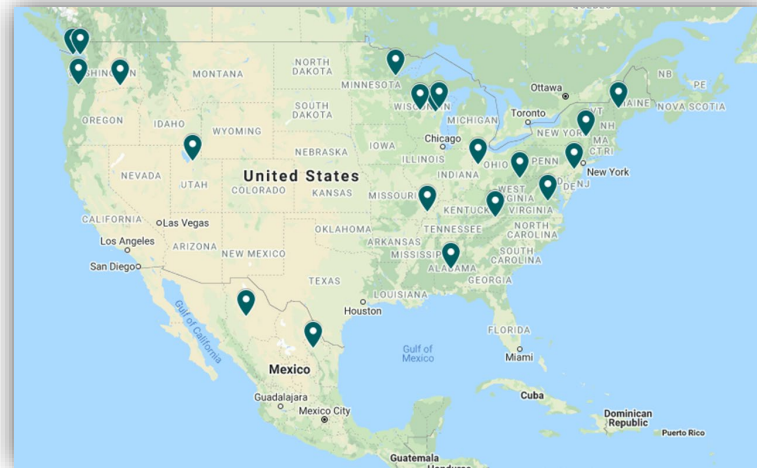


“FOR USE IN MUNICIPAL BLUE BAG PROGRAMS WHERE APPLICABLE”



What is going on with recycling?

- Chinese National Sword (2018)
 - Enforced a .5% contamination
 - Stopped taking some materials
- Flooded American markets
- Other markets overseas
 - India (August 2019)
 - Vietnam (2024)
- American markets are growing



www.resourcerecycling.com



Local End Markets

- Green Fiber
- Momentum Recycling
- Wasatch Resource Recovery
- Crossroads Paper (Potential)



What can you do?

- Only recycle materials deemed as acceptable by your city or business.
- When in doubt, find out!
- Make sure your recyclable items are empty and dry before placing them in your recycling bin—you don't have to rinse!
- Place items loosely in your container, do not bag!

REDUCE, REUSE, AND RECYCLE—IN THAT ORDER!





SLC WASTE REDUCTION PROGRAM

Kevin E. Staples P.E. LEED AP
6/22/2021



2002 – Recycling Begins at SLC

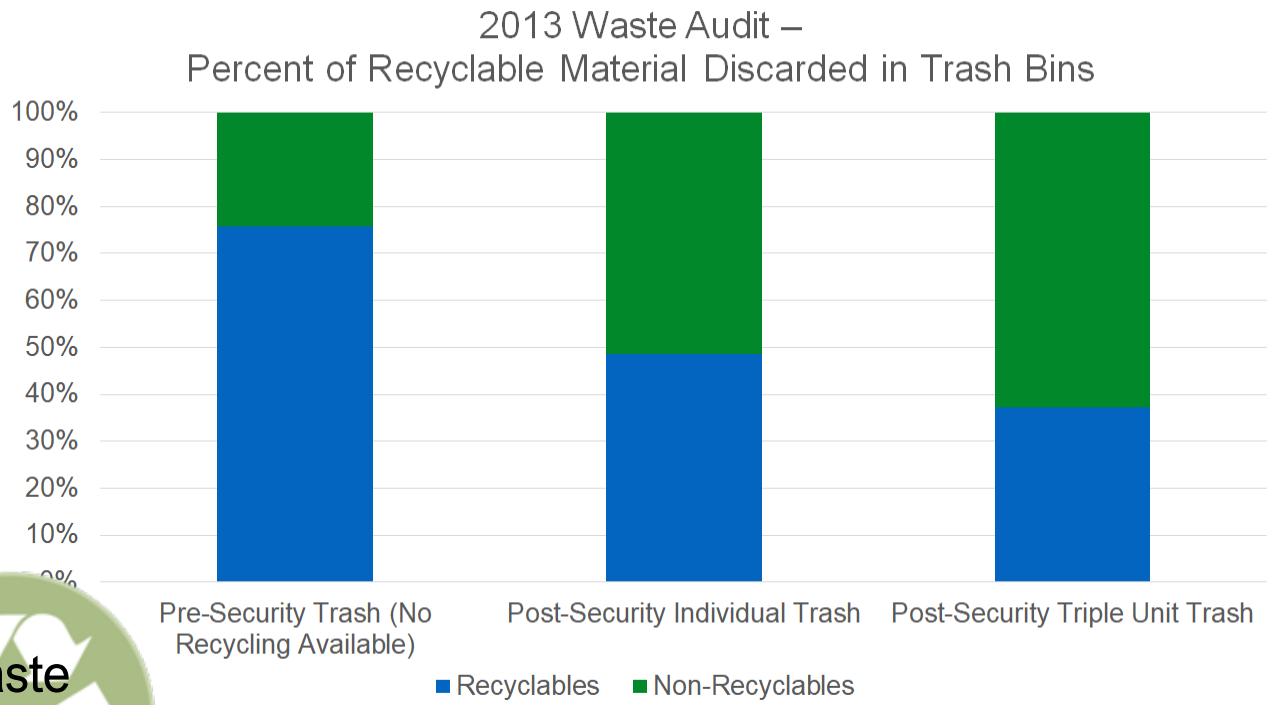
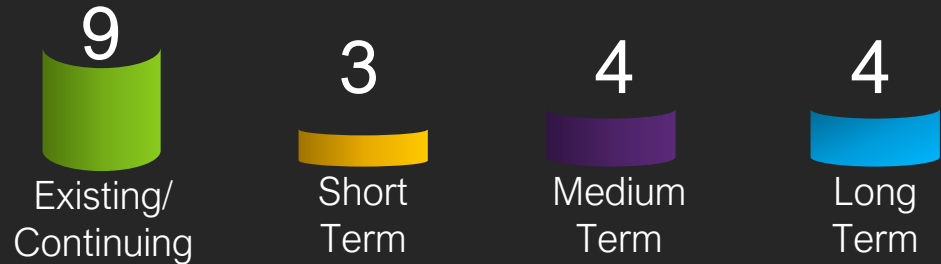
- 70 plastic and paper recycling stations were placed throughout the concourses
- Contractors required to report recycling quantities at project closeout
- Ensure items such as batteries, motor oil, tires, scrap metal, etc. are being recycled and tracked
- Highlight and measure the reuse of the airports landscaping waste (trees, shrubs, grass, etc.)



Waste Reduction Highlights – Legacy Airport

- Free “curbside” recycling to concessions, airlines, tenants – picked up weekly through the City Sanitation Department (difficult to measure).
- 20 water bottle refill locations located in terminal and tenant office areas – 6.5 million bottles filled since 2012, removing 1600 cubic yard of plastic from the landfill.
- Janitorial Program Changes:
 - Eliminated multi-fold towels (saved over \$85,000; packaging, transportation, plastic, battery, and labor waste)
 - Optimized liner thickness (saving money for packaging and transportation) and color coded for recycling and trash
 - Implemented a color-coded microfiber cleaning system eliminating over use and increasing the lifecycle of the cleaning products.
 - Changed laundry chemicals to ECO (reduced cost by \$412.00 every 15 gallons used)

Sustainability Management Plan Initiatives



Sample Initiatives

- ❖ Provide recycling receptacles in pre-security areas.
- ❖ Consolidate recycling receptacles into comingled stations.
- ❖ Utilize Activated Ozone for cleaning, which eliminates chemical cleaning processes.

Achievements

- ❖ Comingled recycling increased by 110%
- ❖ Increased number of recycling stations from 70 to 140 throughout Terminal
- ❖ Eliminated the purchase of ten separate chemicals saving an average of \$50,000 annually.

Challenges: Blast Resistant Cans

Problem:
No Terminal Front Recycling



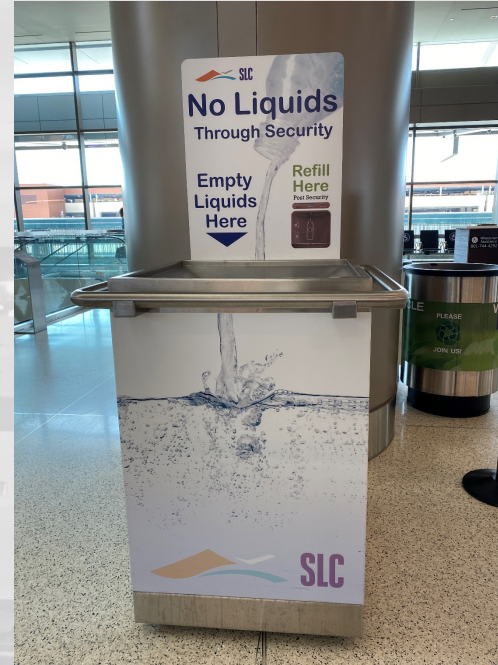
40 gallons, 1,000 Pounds,
\$\$\$\$

Solution:
Identified Unutilized Receptacles



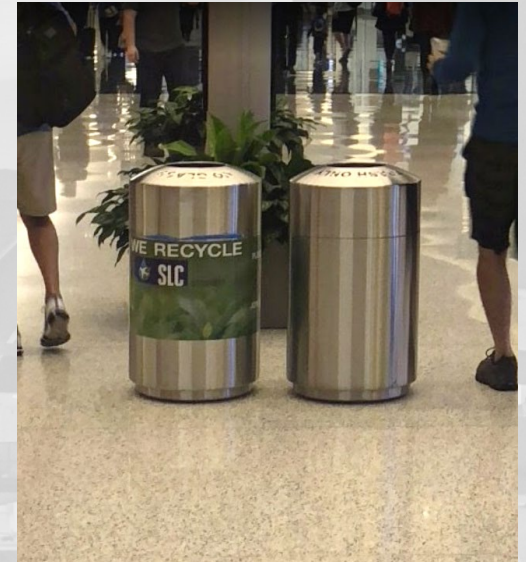
Problem:
Heavy!!

Solution:
Liquid Collection Stations



NEW SLC
Increased to 55 refill stations

NEW SLC:
Consistent



NEW SLC
125 Locations

Challenges: Bulb Recycling – To Crush or Not to Crush

Problem:
Bulbs being thrown away
(not actual picture)



Solution:
Recycle, Recycle



Problem:
Expensive,
Potential Exposure

Solution:
Bulb Crusher



Problem??
Recycling is difficult, but possible
Training is required
Treated as a Hazardous Waste
Facility

NEW SLC
NEW CHALLENGES
NEW
OPPORTUNITIES



Challenge – Passengers, Airlines, Tenants, Employees, Oh My!

Numbers Tell the Story

- Daily Passengers 25,000 and climbing
- Airline Employees – 3,400
- Tenant Employees – 2,800
- General Aviation Employees – 622
- Cargo Employees – 644
- Airport Employees – 650



Trying to Keep it Simple



Create Partnerships



- Reduce Single-Use Plastics
- Food, Blankets and Amenity Donations
- Zero-Waste Sky Clubs



- Cloth Napkins
- Recycled Glassware
- Organic Material Digested
- Bio Straws
- Glass Recycling



- Repurposing Plan Materials
- Plant Based Straws



- No Plastic Straws
- 1K lbs. of food donated/month
- Glass Recycling



- Compost coffee grounds
- Limit food packaging
- Striving for easily recyclable material



- Transport Glass
- Recycle Plastic Wrap
- Support Concessions Efforts



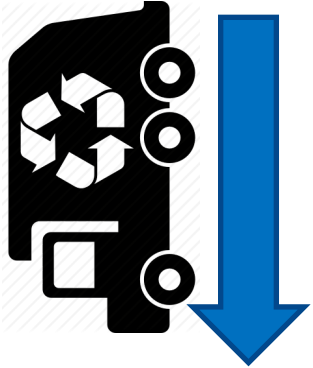
6 Miles
3,400 tons



50 Miles



Wasatch Regional LF - Tooele Co.



6 Miles
450 tons



Markets



Falling Markets



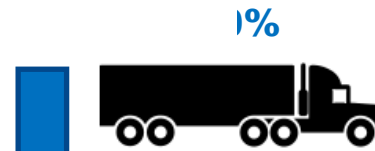
Presort Facility



Salt Lake City - 1 Mile



Materials Recovery Facility (MRF)



50 Miles



Wasatch Regional LF - Tooele Co.

Focus on "Local" Markets

Glass



Cardboard



Organics



WASATCH
RESOURCE
RECOVERY

Questions?

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Thank You



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