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ANNUAL CONFERENCE

WASHINGTON STATE
RECYCLING ASSOCIATION

May 24, 2016



THEME

- To Recycling and Beyond
- Celebrate 40th anniversary
- Begin to talk about what's to come

OPENING KEYNOTE SPEAKER

- Hannah Ubl from BridgeWorks
- Communication Across Generations



CLOSING KEYNOTE SPEAKER

- Yoram Bauman
- Stand Up Economist
- Carbon Tax Initiative (I-732)



COMPOST PLENARY

- Jeff West (New Day Recycling and Olympic Organics)
- Susan Thoman (Cedar Grove Composting)
- Mason Giem (WSU Snohomish County Extension)
- Mary Harrington (WA Dept. of Ecology)
- Scott Deatherage (Barr Tech Compost & Organics Recycling)
- Chad Kruger (WSU Center for Sustaining Agriculture and Natural Resources)

RECYCLER OF THE YEAR PLENARY

- II Businesses Honored
 - NW Tub Co & Across the Street Antiques
 - Old School Creations
 - Tumbleweed Beed Co.
 - WA Veteran's Home
 - City of Federal Way Solid Waste & Recycling
 - Garbology Action Project (WM)
 - Stan's Merry Mart ACE Hardware
 - Tom Watson
 - U of W Recycling
 - Green Sports Alliance
 - Strategic Materials



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BREAKOUT SESSIONS

4 TRACKS

MARKETS

- **Overcoming Compost Contamination: A 360 Degree Perspective from Collection, Processing & End-Use Markets**
- **How Recycling Depots can Contribute to a Circular Economy**
- **Recycling Markets Explained: An Economist's View**
- **From Supermarket to Curb to New Glass Packaging: Where does your empty container go and what happens to it?**
- **Float/Sink: A Market Update on Plastics and Metals**

OPERATIONS

2D/3D SEPARATION IS KEY TO HIGH RECOVERY
Overall loss rates of plastic materials varied from 3% to 12%

Usual reasons for high loss:

- 25% loss at large facility had unusually compacted and wet material due to equipment failures and snowstorms
- 12% loss at both medium facilities likely had worn disc screen discs

Screen maintenance is key to consistent performance

- Clean screens of material that are wrapped around the shafts
- Replace worn and damaged discs

More screens, produced better

results

Screening is a critical part of good process control

- Operational 2D
- Operational 3D

- High loss rates of plastic materials
- The year 2008

Screening is a critical part of good process control

- **Measuring Our Success in the Face of Changing Waste Stream**
- **Bagging the Single Use Habit: Addressing Human Behavior and Challenging the Status Quo**
- **Car Seat Reuse & Recycling: A Community and Industry Collaboration**
- **Rethinking the Concept of Recycling: Recycling Waste Heat to Energy and Exploring Residual Ash Material Recovery**

EDUCATION

- **Going Beyond Bags with WRAP**
- **Multi-Family Valet Recycling: It's in the Bag**
- **The Path to Progress - Recycling Hard to Recycle Materials**
- **Recycling Corps: Behavior Change on a Large Scale**

POLICY

- **C & D: Paths to Zero Waste of Resources**
- **Policy, Legislation and Rules: The Future of Recycling**
- **Food Service Packaging: How to get the Food and Not the Contaminants**

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TRADE SHOW

20+ VENDORS

- Capital Industries
- FleetMind Solutions
- Recology CleanScapes
- InterConnection
- American Chemistry Council
- WA State Department of Ecology
- GK/Industrial Refuse Systems
- TREX
- Waste Connections
- Machinex Technologies
- Carton Council
- OTTO Environmental
- Waste Management
- Recycle Systems
- Concrete Washout Systems
- NW Product Stewardship Council
- Modulo Béton
- Republic Services



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FACILITY TOURS

STEMILT



- Apple Packing Facility
- Compost Facility



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CONFERENCE BY THE NUMBERS

ATTENDEES

- 232 Attendees
 - 201 from within WA State
 - 166 Western Washington
 - 12 Central Washington
 - 23 Eastern Washington
 - 31 from outside WA State
 - OR --
 - 90 from public agencies
 - 142 from private



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IMAGES FROM THE CONFERENCE











