

Materials Management TAG MEETING

Responses from discussion - August 7th, 2014

Imagine Austin in 2050 with zero GHG emissions coming from Materials Management.
What does Austin look like?

What does a construction site look like?

- Prefab homes and buildings constructed with recycled metal
- All materials are reused material
- Homes are created with 3D printers fed with biodegradable feedstock
- The waste goes to a manufacturing node for reuse

What do landfills look like?

- Landfill mining - reusable materials
- Landfills only take one type of waste
- Local manufacturing
- Landfills- become economic centers
- More Austin EcoParks - manufacturing and re-manufacturing
- Higher tipping fees?
- Pre-sort facilities
- Open landfills once a year
- Landfills -> motocross

Homes

- No centralized collection
- More Compost Peddlers and nodal composting facilities in neighborhoods
- Use of Goats for organic waste and landscaping
- More efficient delivery/distribution

Material design

- Recycled content
- No packaging on shelf - new display/delivery systems
- Design for the Environment
- Rechargeable everything
- Take-back programs
- Re-manufacturing

Lifestyle

- Most products shift to services
- Sharing economy fully built out
- Home Depot (and others) - more rentals of equipment
- Demand-side requirements
- Pneumatic tubes take trash from homes
- Shift from zero waste to negative waste