

# Waste Characterization Workshop

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## Waste Program Updates

Department of  
**Environmental Quality**  
PURE *M* ICHIGAN

# Office of Waste Management & Radiological Protection

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Hazardous Waste, Solid Waste, Residential  
Recycling, Beneficial Use, E-waste, Scrap Tire,  
Radiological Protection



# OWMRP Update

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Philosophy

Office  
Priorities

Waste  
Programs

Background



# Initial OWMRP Engagement

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- § **110 one-on-one meetings**
- § **Met with all units/sections**
- § **Met with stakeholders**



# A. Spending Priorities

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**1. Existing staff - tools, technology, and training**

**2. Additional staff - justified by workload and stable funding source**

**3. Grants**



# B. Efficiency Priorities

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1. Speed up decision-making
2. Minimize “touches”
3. Apply lean processing
  - Compliance Assistance
  - Enforcement
4. Electronic document management

# C. Engagement - Empowerment - Excellence

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1. More “face time”
2. More training & professional development
3. Empower staff to set own goals
4. Timely response
5. Recognition



# Legislative and Program Activities

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# Diverted Waste

## Diverted Waste Act – PA 24 of 2014

- § Legalizes Pharmaceutical, HHW Collection, etc.
- § Diverted waste can only be sent to a “waste diversion center”, a recycling facility, or to licensed disposal facility



# Beneficial Use

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## Beneficial Use Bills – HB 5400, 5401, 5402

- § Promote use of wastes and beneficial use by-products
- § Defines categories of beneficial use (i.e. bonded uses, fill material, land applied, and waste treatment)
- § Provides exemptions from liability
- § Michigan Department of Agriculture & Rural Development oversees the land application of beneficial use by-products

# Electronic Waste

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- § 70 manufacturers registered (2013)
- § 28 recyclers registered (2013)
- § Where does it end up? How is it processed?



# Scrap Tires

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## Cleanup Grants

- § Historical focus of the program



## Market

## Development Grants

- § Future focus now that large piles are cleaned up.



# Future of Waste?

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## Present:

- § **Solid Waste (Landfills)**
- § **Scrap Tire Program**
- § **E-Waste Program**
- § **Recycling**





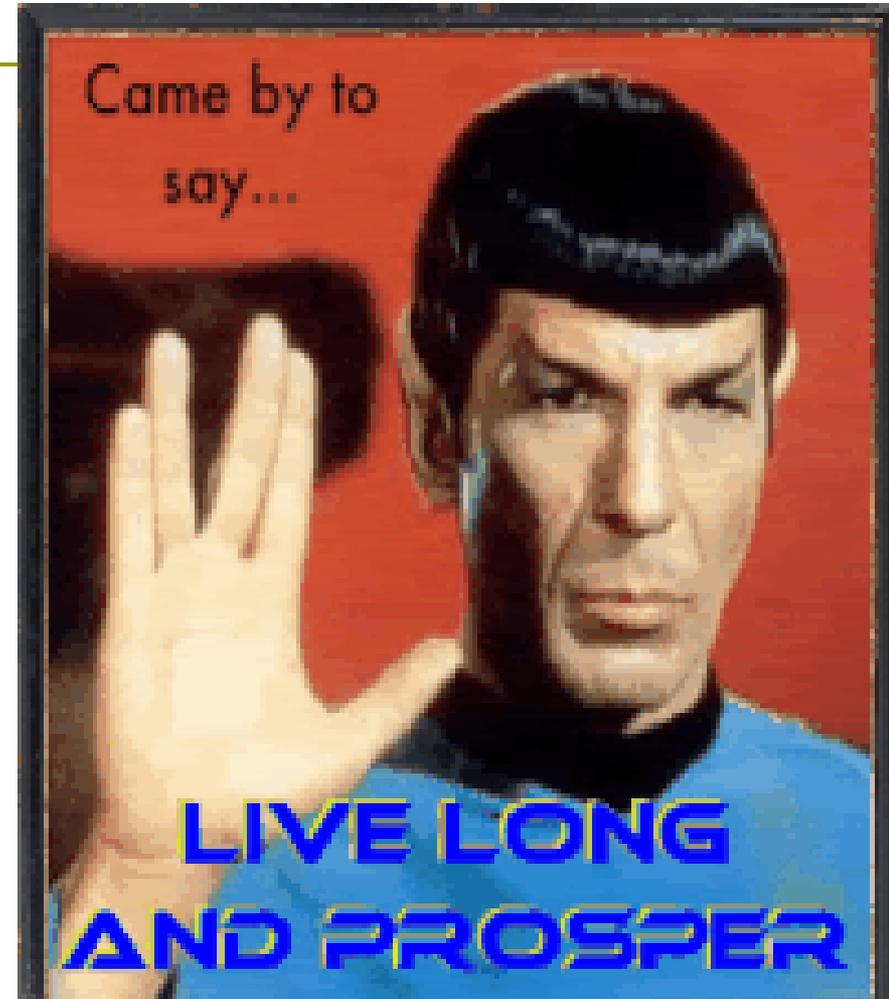
**MR. SPOCK SAYS:**

Your Logic Is Seriously Flawed.

# Future of Waste?

## Future:

- § Not focused on providing adequate landfill capacity and safe, long-term disposal
- § Will be focused on pollution prevention, waste minimization, sustainability, “cradle to cradle” manufacturing, recycling.



# Residential Recycling

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## Why Recycling?

- § Environmental Protection & Economic Growth
- § Governor Rick Snyder – Michigan's Residential Recycling Plan (April 14, 2014)
- § \$1 Million – FY15



# Governor's Recycling Plan

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**The 15-point plan focuses on four key areas:**

- § **Benchmark and measure progress**
- § **Public education and technical assistance for communities**
- § **Provide convenient access**
- § **Develop markets**





The market value of all the recyclable metal, glass and plastic sent from Michigan households to  
**Michigan landfills every year:**



**MILLION\***

\*According to the Michigan Recycling Coalition Report

Michigan's goal  
recycling rate

**30%**



Michigan's estimated  
recycling rate

**15%**



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# Don't Forget

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## Be sure to...

- § **Grab the Waste Example Exercise and Optional Characterization Form on the way out**
- § **Complete the workshop survey to help us offer training suiting tailored for you**