



Army Net Zero Conference



Day 1 – Waste Track

18 January 2012



Agenda



- **Welcome & Introductions**
- **Track agenda overview**
 - Day 1: Technical sessions & Pilot Installation updates
 - Day 2: Pilot Installation updates (cont.), Industry presentation, & technical sessions
- **Administrative announcements**
- **Post-conference information**



Net Zero Waste Definition



A Net Zero **WASTE** Installation

reduces, reuses, and recovers waste streams, converting them to resource values with zero solid waste to landfill over the course of a year

Goals:

- Eliminate unnecessary purchase of materials
- Minimize amount waste generated wherever feasible
- Expand efforts to re-purpose & recycle/divert used materials
- Use Waste-to-Energy technologies for waste that cannot be avoided, re-purposed, recycled, or composted
- Eliminate landfill disposal to the maximum extent feasible



Defining Diversion

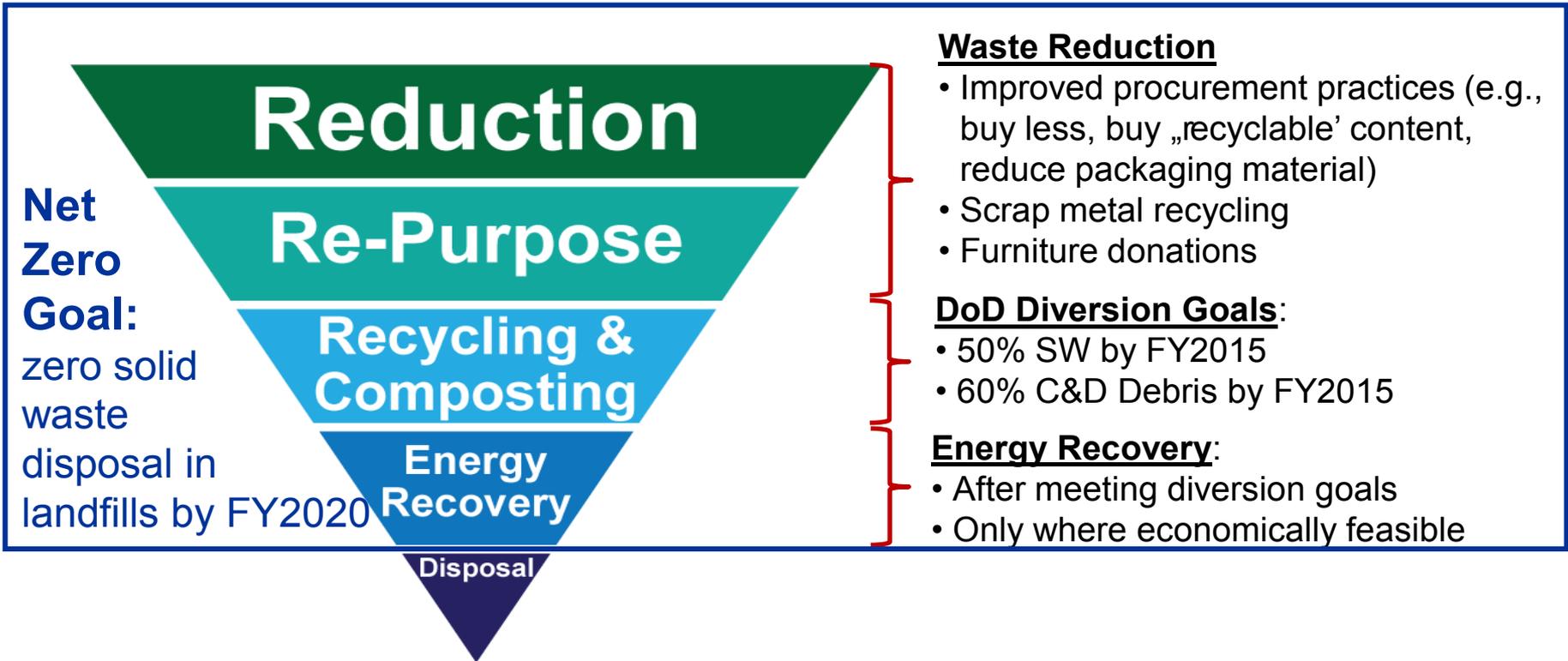
OSD & Army goal definitions

Panel Members:

- **Bob Luther**
Office of the Deputy Assistant Secretary of the Army for Environment, Safety, & Occupational Health (ODASA(ESOH))
- **Robert Durham**
Office of the Assistant Chief of Staff for Installation Management (OACSIM) – Installation Services Directorate
- **Cecile Holloway**
OACSIM – Operations Directorate

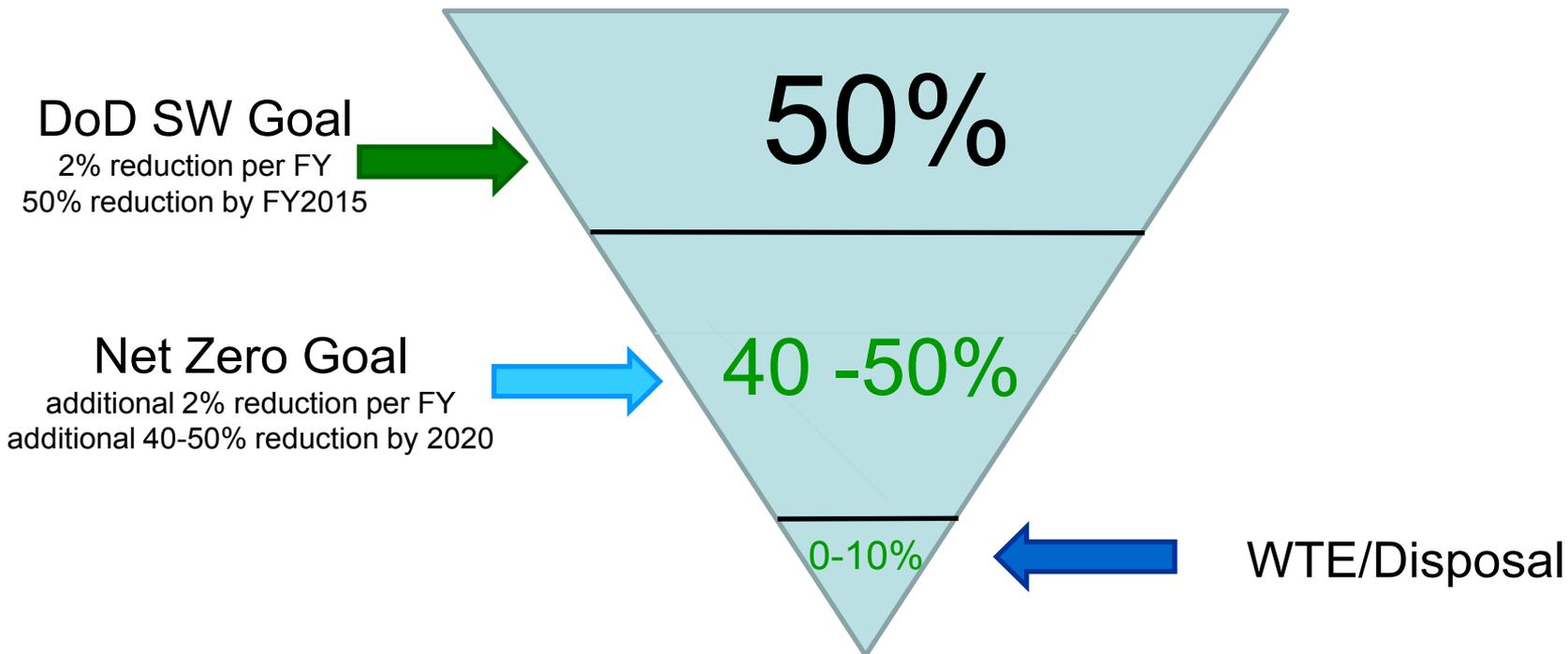


DoD Diversion vs. Net Zero Waste





Net Zero Waste Diversion Hierarchy



OSD Memo of 01 Feb 08 defines “Diversion of Solid Waste” as an activity to divert solid waste from landfill disposal or incineration, including reuse, donation, recycling, and composting/mulching. Waste-to-energy recovery is not considered diversion for the DoD solid waste diversion goal, although WTE is applicable to the energy reduction goals of EO13423.



DoD Diversion-Eligible Waste Categories



Draft OSD Proposal ¹

<i>Category</i>	<i>QRP Eligible</i>	<i>Diversion Metric Eligible</i>
Paper, cardboard, scrap wood, etc.	generally yes	generally yes
Deconstruction waste	yes (with caveats)	yes (with caveats)
Scrap metal	yes	no ²
AFH & RCI waste	yes	yes
Universal waste, used oil, tires, etc.	it depends	generally no
Furnishings, property, items, etc.	generally no	generally no

1. Working proposal in development; subject to change
2. Scrap metal would not be included in the tons SW generated



Army Policy & SWARweb Updates



- **Both are pending finalization of OSD's proposed 'diversion' definition & reporting categories**
- **Army Solid Waste policy update:**
 - Will increase Army diversion goals to match DoD SSPP diversion goals
 - Will incorporate Net Zero Waste hierarchy concepts
 - May establish guidelines & approval process for new on-Post WTE facilities
- **SWARweb update:**
 - Will add specified reporting categories for additional waste streams