



# Fort Hood Net Zero Waste Stand Down Day

**NET**  
**ZERO**  
**WASTE** 2020  
Fort Hood

**2020** "Perfect Vision, Perfect Mission"



# Agenda



- 1400-1405      Opening Remarks
- 1405-1445      Review training slides to be used on Stand Down Day  
Topics include:  
-NZW Program Overview and Accomplishments  
-NZW Goals and Glide Paths  
-How to Reduce, Reuse, and Recycle  
-85th Civil Affairs Unit Challenge
- 1445-1455      COL McRae 41st Fires Brigade Success Story
- 1455-1500      Open Discussion and Closing Remarks



# Stand Down Day 29 April



The NZW Stand Down Day on 29 April will consist of the following actions:

- Unit rotate Soldiers through classrooms to conduct 1 hr slide presentation
- Utilize training materials on disk (videos, handouts, etc.)
- Schedule and conduct tour of the Recycle Center 287-2336
- Unit develop 2013 goals and action plans
- Create a 2013 Unit Challenge





# The Army's Net Zero Program



**NET ZERO HIERARCHY**

**ENERGY**

**Reduction**

**Re-Purpose**

**Recycling & Composting**

**Energy Recovery**

**Disposal**

**WASTE**

**WATER**

The Army Net Zero approach addresses energy, water and waste at Army installations and is comprised of five interrelated steps:

- Reduction includes maximizing energy efficiency in existing facilities, implementing water conservation practices, and eliminating generation of unnecessary waste.
- Re-purpose involves diverting energy, water or waste to a secondary purpose with limited processes.
- Recycling or composting involves management of the solid waste stream, development of closed loop systems to reclaim water, or cogeneration where two forms of energy (heat and electricity) are created from one source.
- Energy recovery can occur from converting unusable waste to energy, renewable energy or geothermal water sources.
- Disposal is the final step and last resort after the last drop of water, the last bit of thermal energy and all other waste mitigation strategies have been fully exercised.

The Net Zero Energy goal is to produce as much energy on the installation as it uses, over the course of a year.

The Net Zero Water goal is to limit use of potable fresh water and capture, re-purpose or recharge an amount of water equal to or greater than the amount of water the installation consumes.

The Net Zero Waste goal requires considering the waste stream when purchasing items, reducing the volume of packaging, reusing as much as possible, and recycling the rest.

**NET ZERO ENERGY**

- Fort Bliss, TX\*
- Fort Carson, CO\*
- Fort Detrick, MD
- Fort Hunter Liggett, CA
- Kwajalein Atol, RMI
- Parks Reserve Forces TA, CA
- Sierra Army Depot, CA
- West Point, NY

**NET ZERO WATER**

- Aberdeen Proving Ground, MD
- Camp Rilea, OR
- Fort Bliss, TX\*
- Fort Buchanan, PR
- Fort Carson, CO\*
- Fort Riley, KS
- JB Lewis-McChord, WA
- Tobyhanna Army Depot, PA

**NET ZERO WASTE**

- Fort Bliss, TX\*
- Fort Carson, CO\*
- Fort Detrick, MD
- Fort Hood, TX
- Fort Hunter Liggett, CA
- Fort Polk, LA
- JB Lewis-McChord, WA
- USAG Grafenwoehr, Germany

*\* Identified as Net Zero Pilot Installations (Energy, Water and Waste)*

**NET ZERO ENERGY PILOT INSTALLATIONS**

These are the Net Zero pilot installations. All Army installations are encouraged to continue working toward achieving Net Zero. The Army goal is to have 25 Net Zero Installations by 2030.

The Oregon Army National Guard has volunteered to pilot a unique and challenging Net Zero Energy initiative, which includes all of their installations spread across the entire state.

**Net Zero is a Force Multiplier**

Office of the Assistant Secretary of the Army  
(Installations, Energy & Environment)  
110 Army Pentagon Room 3E464  
Washington, D.C. 20310-0110  
www.asaie.army.mil  
www.army.mil

**U.S. ARMY**

Fort Hood was selected to be a Net Zero Waste Pilot Installation to significantly reduce our waste to the landfill by the year 2020

**NET ZERO WASTE**

- Fort Bliss, TX\*
- Fort Carson, CO\*
- Fort Detrick, MD
- Fort Hood, TX
- Fort Hunter Liggett, CA
- Fort Polk, LA
- JB Lewis-McChord, WA
- USAG Grafenwoehr, Germany





# Definition



A Net Zero Waste Installation is an installation that reduces, reuses, and recovers waste streams, converting them to resource values with zero landfill over the course of a year.





# Net Zero Waste Strategy



**Goal:** Change culture at Fort Hood to achieve NZW

## Key Tasks:

- Reduce amount of solid waste generated
- Re-purpose whenever possible
- Expand Recycle; increase diversion rate
- Use Waste to Energy to eliminate remaining waste
- Identify alternative disposal methods
- Employ aggressive strategic communications campaign
- Utilize Net Zero Waste Workgroups and Annual Workshops

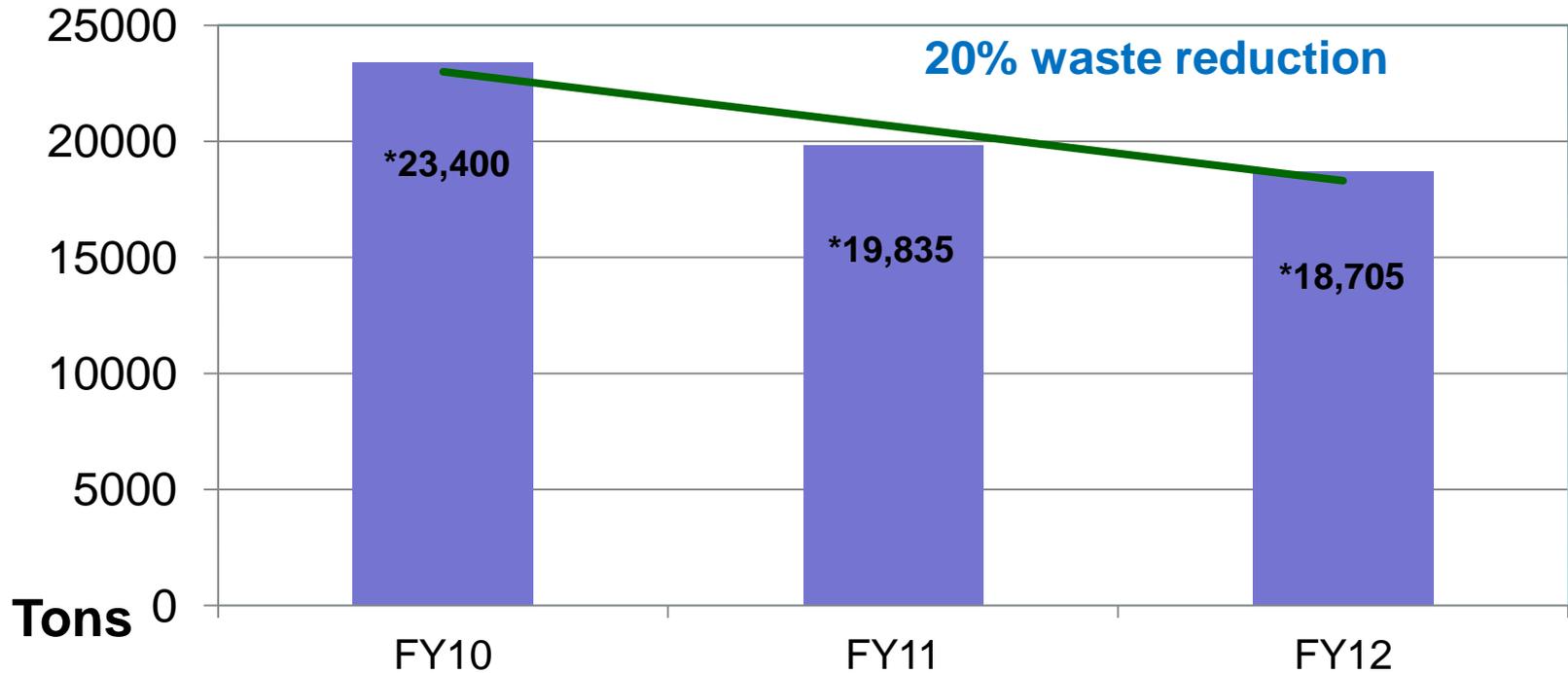
Net Zero Hierarchy



**End State:** Ft Hood Community has embraced NZW and is actively supporting the effort



# How Much Waste is in the Landfill?



*\* Does not include C&D*

## Highlights from FY11 to FY12:

- Reduced 1,130 tons in the landfill
- Recycled Cardboard up 352 tons
- Recycled Paper up 227 tons
- Recycled Plastic up 143 tons

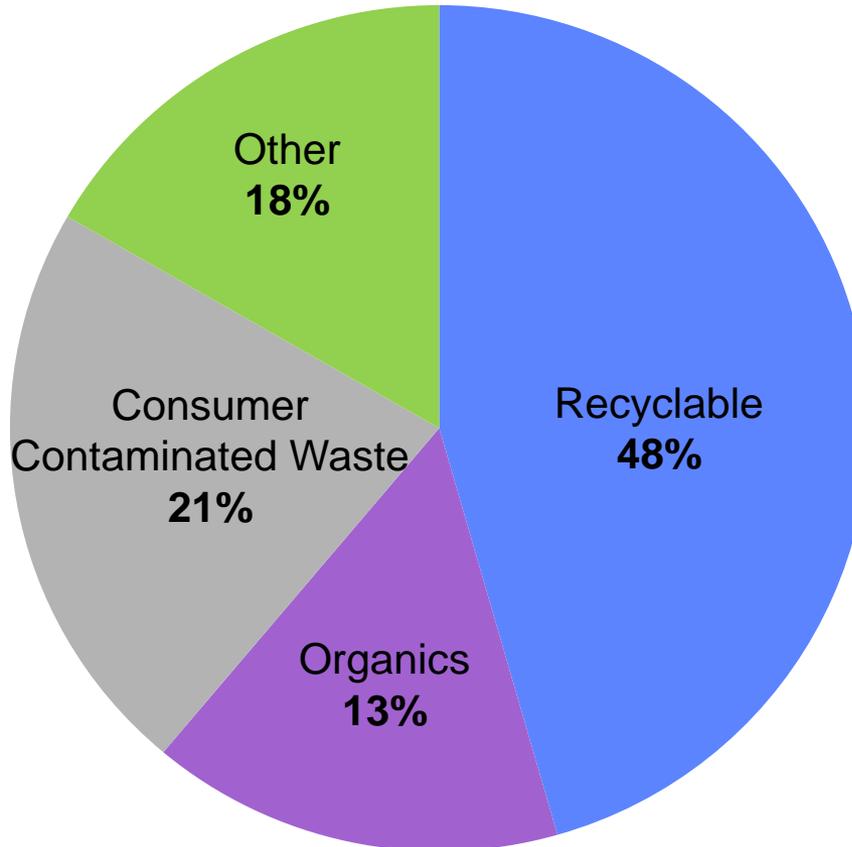


# What goes into the Landfill?



Combined Residential & Commercial Waste in the Landfill by Weight from Material Flow Analysis Study

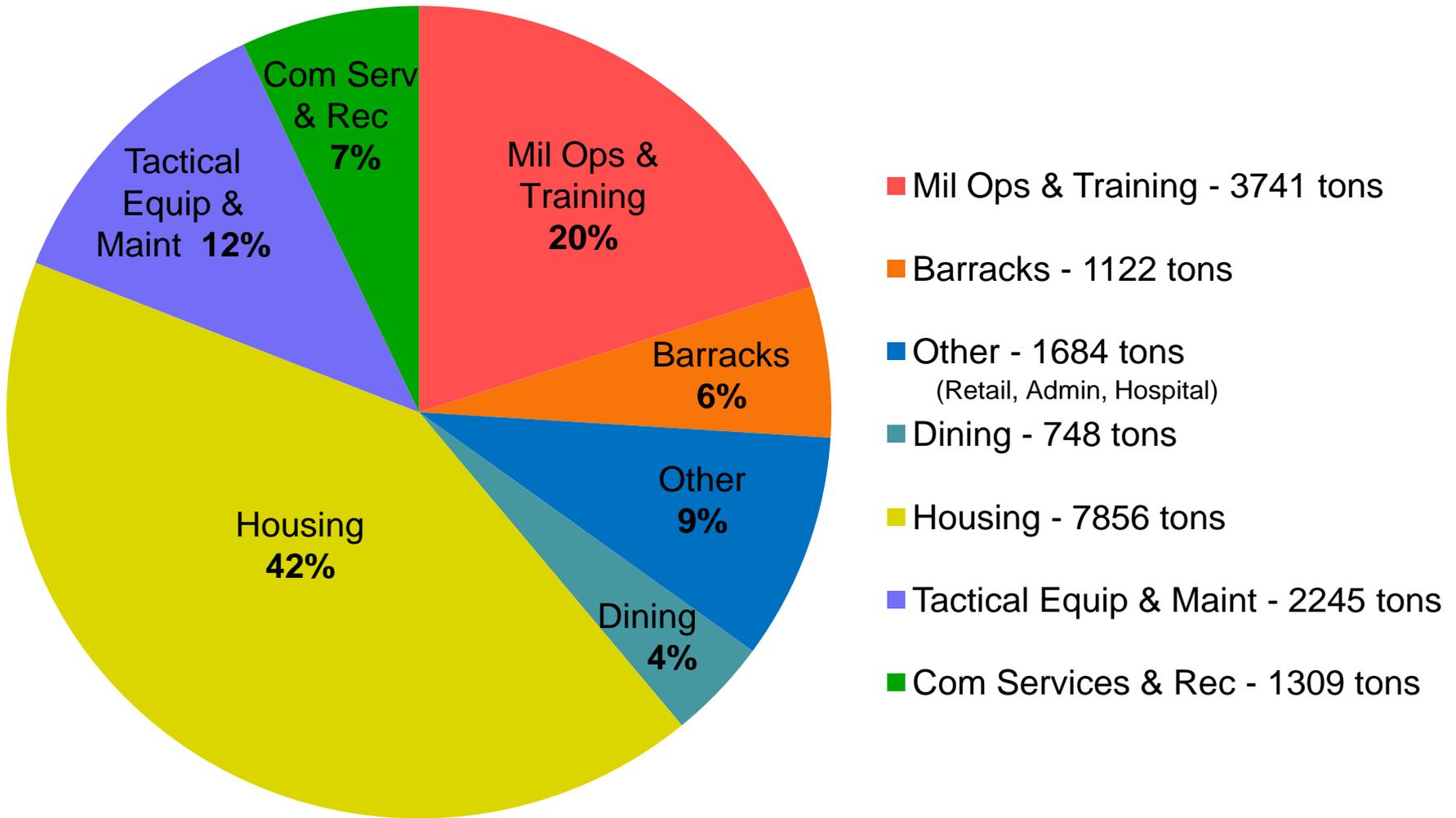
**Consumer Contaminated Waste is all food contaminated packaging items, so try to avoid food packaging.**



**48% of our waste in the landfill is recyclable material, so please use the blue bins!**



# FY12 Waste in the Landfill by Activity Group





# FRAGO 4 to Operation Order PW 11-11-800,

## Net Zero Waste Workgroup, dated 18 Oct 12.



- Establish Recycle Councils and Recycle Coordinators down to Company/Directorate/Office level to address NZW strategies
- Focus on how to Reduce, Reuse, Recycle, and Educate
- Attend Quarterly EQCC Meetings to report progress towards goals





# Recycle Coordinators



## Establish Recycle Coordinators at Company/Directorate/Office level

- Environmental Compliance Officers (ECOs) will no longer be assigned as the Recycle Coordinators (RCs); they must be two separate people
- The ECOs will work closely with the RCs to help implement NZW initiatives
- RCs are the first line educators and Commander/Director's tool for implementing Net Zero Waste Strategies
- Develop a NZW SOP for your unit
- Provide NZW training to new Soldiers every quarter





# Recycle Coordinators



## RCs responsibilities:

- Conduct weekly random inspections of trash and recycle bins
- Identify opportunities to reduce, reuse, and recycle
- Implement NZW strategies such as electronic signatures, reduced printing requirements, promote DFAC dining, recycle bins at all functions, etc...
- Organize the Recycle Councils and report obstacles to Commander
- Develop a cash for cans program for unit funds
- Provide recycling bins at unit sponsored school events
- Develop NZW unit award program for individual Soldiers and Companies
- Place NZW information/education on Unit Facebook pages



# Recycle Councils



## Establish Recycle Councils at Company/Directorate/Office level

- Consist of at least one Recycle Coordinator and at least 4 council members
- Members are chosen for work ethic and drive
- Purpose is to increase awareness, overcome obstacles, share best practices, and teach others how to improve NZW strategies
- Incorporate Recycle Councils into Recycle SOPs
- Discuss how your organization can reduce, reuse, and recycle





# Net Zero Waste Diversion Glide Path



2010   2011   2012   2013   2014   2015   2016   2017   2018   2019   2020

## Diversion Goal

40%   42%   45%   50%   55%   60%   65%   70%   75%   80%   85%

## Actual Diversion

42%   39%   44%

## Diversion efforts include

### Recycling



### DLADS turn-ins

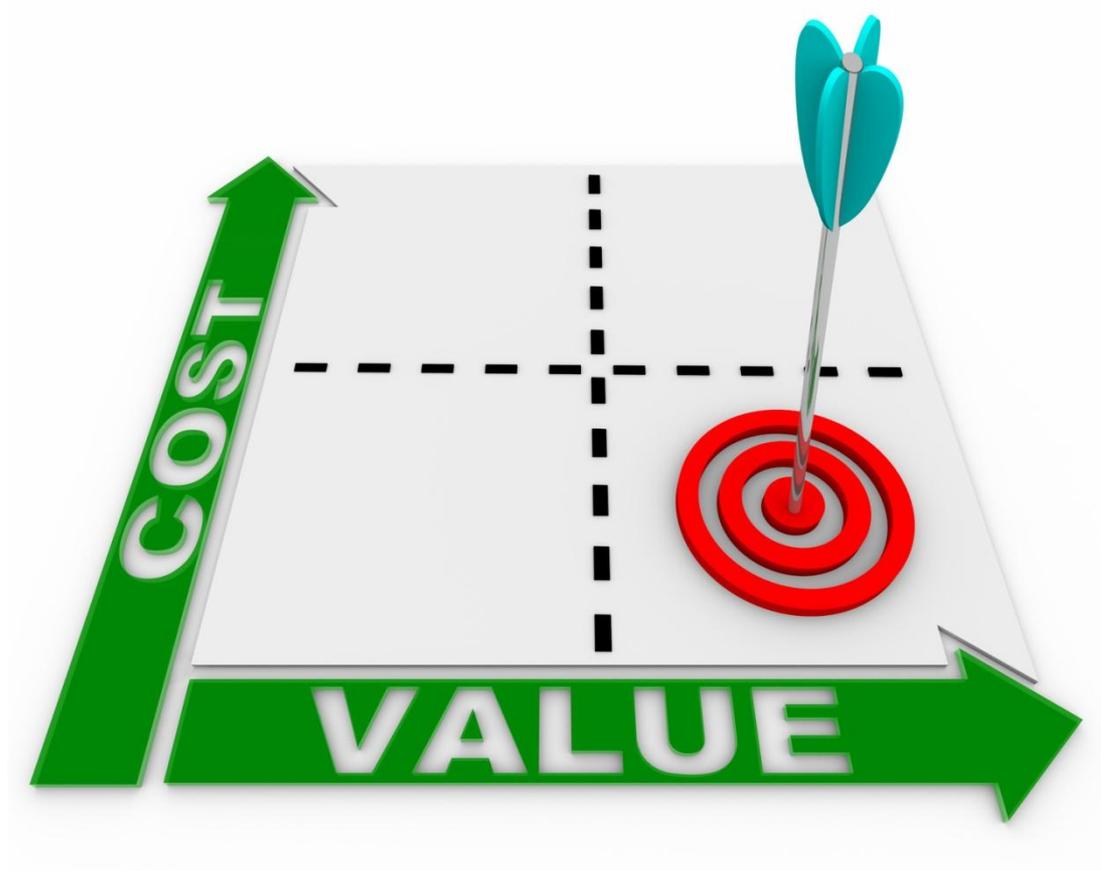


### Reuse





# Net Zero Strategies



High Value Low Cost Solutions



# Reduce



**Look at what is in your trash and try to avoid buying the things that are generating waste**



# Reduce



Utilize reusable products in kitchen areas:  
-Utensils, cups, plates, mugs, bowls, etc

Avoid purchasing single use items that get thrown away. It will save you money!





# Reduce



Use a thermos or refillable water bottle rather than disposable alternatives.

The water is safe to drink. **A family of four can potentially save \$2,878.57 each year by switching from bottled water to a water filter.**





# Reduce



## Bring your reusable bags to the store



## Reduce the use of plastic bags or at least recycle them



# Reduce



## Reduce Office paper

Going Paperless...



**Commit your organization to going Paperless**





# Reduce



## Use Electronic Signatures



### Security with Digital Signatures



**Reduce the need for printed paper and sign electronically**



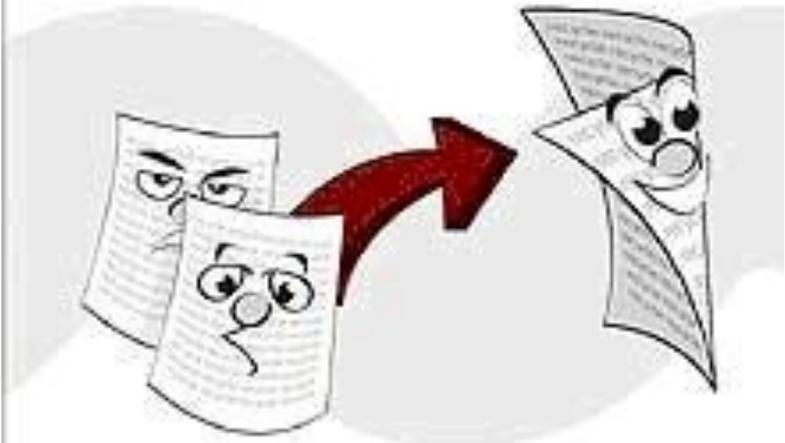
# Reduce



## Print/Copy Double Sided

Print  
Black &  
White

**Double side it!**



**Printing and photocopying  
on both sides saves paper  
and energy and can save up  
to 75% on cost!**

Print  
multiple  
slides per  
page



# Reduce



## Got Junk Mail? Its Time to “Opt Out”

The average American household receives 41 POUNDS of Junk Mail per year.



Opt Out Now



Federal Trade Commission



<http://www.ftc.gov/bcp/edu/pubs/consumer/alerts/alt063.shtm>



# CHOW TIME



**Are you eating out for lunch?**

**Brown bagging or eating at the DFAC can cut your weekly lunch cost by 80%**



**You could save up to \$2,000 per year**



# Reduce



**Only take or prepare what you can eat**



**Pack your lunch in reusable containers**





# Reduce



## Reduce Event Waste

**Waste reduction is even better than recycling!**



**Evaluate the things you are buying/using for your event and find a Zero Waste solution**

If you are serving drinks use cans or bottled drinks that can be easily recycled



# Re-purpose





# Re-purpose



## Post Wide YARD SALE

Fort Hood is going all out as residents of the Great Place put on the biggest Yard Sale of the year. Come out and see what great deals you can find in every community.

**April 13, 2013**  
**8:00am-2:00pm**

For additional information please contact you **Community Life NCO** or **Community Office**.

## Participate in Yard Sales

## Two Installation-wide yard sales during Spring and Fall Clean-up



Have items to donate?  
Call for pick up!

Furniture For Families:  
254-699-3219

The Refuge Corporation:  
254-681-5274  
or  
254-371-3421





# Re-purpose



## Repurpose items online





# Re-purpose



## Buy & Sell at Thrift Shops





# Re-purpose



## Donate personal items to Charities



**Call for a pick-up of large items (254) 634-0364**



**Call for a pick-up of large items (254) 699-2311**



# Re-purpose



## Personal Household Hazardous Reuse



Used Oil, Antifreeze, Transmission Fluid, Brake Fluid, and Fuel Additives



Household Products, Cleaners, Pesticides, Herbicides, and Aerosol Cans



Household Batteries



Paint, Varnish, and Stains



Pick-up and drop off household hazardous items that you need or no longer want during PCS/ETS for free



# Re-purpose



- Government owned property such as computers, and military equipment must go to DLADS for turn-in by calling 287-7763 for an evaluation and pick-up.





## Reuse Government Items



**Share excess materials such as military equipment, excess POL products and furniture with other units**



# Re-purpose



## Red Rag Reuse at DOL



**Determine if your motor pool can implement a Red Rag Reuse Program similar to DOL**



# Recycle



**Think Blue  
Recycle**

the new green

**Fort Hood  
Recycle Center**

Monday- Friday  
7:30 am- 4:30 pm  
4626 72nd Street, near Railhead Drive  
254-287-2336  
[www.dpw.hood.army.mil](http://www.dpw.hood.army.mil)

YOU CAN  
MAKE A  
DIFFERENCE  
TAKE THE TIME TO  
RECYCLE.

**Command driven support!      Education!      Quarterly Unit recycle training!**



# Recycle



- Incorporate recycling container inspection into SDO/SDNCO and CQ checklist



- Establish recycle centers in barrack's common areas



- Collocate and label recycle containers with trash containers in central and heavy traffic areas



# Recycle



## Recycle whenever possible

### At the office



### In Break Rooms



### In Public Places





# Recycle



In Barracks



In FHFH Villages



At outdoor events



At field training/exercises



# Containers are Available



35 Gallon



Desk side



Wire Frame



Your organization can get recycle containers at the Recycle Center or purchase them at the HAZMART Building #4406 (254) 532-9861



# Event Containers



Call us for event support [287-2336](tel:287-2336)



# What Goes in Each Container?



**Cardboard**

**Paper**

**Plastic/Metal**





# Cardboard



Cardboard Boxes

Food Boxes

Cereal Boxes

Frozen Food Boxes

Corrugated Cardboard Boxes

Paper Board Boxes





# PAPER



Magazines

Newspaper

Brochures

Mail

Books

Maps

Fast food bags

All Paper



# Plastic & Metal



Plastic Bottles

Plastics # 1-7

Shopping Bags

Coat Hangers

Pill Bottles

CD's and CD cases

Metal Cans



# What to Bring to the Center



## Scrap Metal



Brass  
Copper  
Aluminum (Nonferrous)  
Iron and Steel  
Stainless Steel  
Tin  
Wire

If you are a large generator of scrap metal we can place a separate container at your building or bring metal to the Center



# Sensitive Document Shredding



To set an appointment, please contact  
Mr. Hector Nunez at **535-8569**.



# Other Shredding Services



- Staples do not have to be removed.
- Please bring documents to the Recycle Center.
- If transportation is needed for large quantities, please contact the Recycle Center.
- If you shred in your office buildings, place material in a bag in the outdoor paper containers.
- Non Sensitive items can be shredded with no appointment.





# Collect Additional Materials



## Bring the following to the Center:

- Athletic shoes
- Unbroken pallets
- Tires with Rims
- Lead acid auto batteries
- Cooking oil
- Christmas lights
- Toner Cartridges
- Hangers
- Aluminum Cans for Cash





# Appliance and Scrap Metal



## Household appliances:

- irons, mixers, hair dryers, microwaves,
- toaster ovens, blenders, pots and pans,
- washer, dryer, refrigerator, air-conditioners, etc





# Recycling Glass



- **Glass** can be dropped off at the:
  - Community Centers
  - Recycle Center
  - Commissaries





# GUIDE TO RECYCLING



B  
l  
u  
e  
  
B  
i  
n  
s

Recycle  
Center

Recycle these items at the Fort Hood Recycle Center, Warrior Way Commissary, Clear Creek Commissary, Community Life Centers and blue containers throughout the installation.

<p><b>PLASTIC</b></p> <p><b>PAPER &amp; CARDBOARD</b></p> <p><b>GLASS &amp; METAL</b></p> <p><b>MISC.</b></p>	 Plastics #1-7	 Plastic Coat Hangers	 White Packing Styrofoam	 Plastic Shopping		
	 Magazines, Phone Books & Catalogs	 Mixed & Office Paper, Maps, Newspaper & Junk Mail	 Paperback & Hardcover Books	 Cardboard, Pizza, Cereal & Food Boxes		
	 Glass Bottles & Jars <small>*Accepted only at special marked containers at the Recycle Center, Community Life Centers and Commissaries*</small>	 Aluminum Cans	 Tin & Steel Cans			
	 Holiday Lights	 Athletic Shoes	 Toner Cartridges	 Scrap Metal	 Pallets	 CDs

Recycle these miscellaneous recyclables at the Fort Hood Recycle Center.



# Recycle Services



## Call the Recycle Center **287-2336**

- For a scrap metal or other outdoor containers
- For an event that needs containers
- To sign for containers
- To schedule a tour
- To schedule some training





# Fort Hood Family Housing Recycling



 Place **ONLY** Recyclable Items In This Container.

## Paper



Newspapers



Magazines



Office Paper



Junk Mail



Pizza Boxes



Cardboard



Paperboard



Paper Bags

## Plastic



Water and Soda Bottles  
(Plastic #1)



Milk Jugs  
(Plastic #2)



**through**  
PETE OTHER  
(numbers found on  
bottom of containers)



Detergent Bottles  
(Plastic #2)



Plastic Tubs and Jars  
(Plastic #3-#7)

## Glass & Metal



Glass Bottles  
(Green, Clear, & Brown)



Glass Jars



Aluminum Cans



Tin and Steel Cans



FHFH Villages will place recyclable material into the single stream green 96 gallon container



# YES

FOR QUESTIONS ABOUT SINGLE-  
STREAM RECYCLING CALL:  
INLAND SERVICES - 254-539-4697





# Brush, Leaves, and Lawn Clippings



## Fort Hood Family Housing Residents

- All bagged yard waste such as leaves, trimmings, grass clippings, etc. can be placed in the brown compost bins for curb side pick-up. Contact the Community Center for a bin to be placed at the home.

### Units

- Units can bring this material to the compost center at Clarke Rd and Turkey Run during Spring and Fall Clean-up. No trash please.





# Unit Generated POL Materials



**Unit operations** send the following items to the **Classification Unit** for processing and recycling by calling 288-7627 or 553-0896 for an appointment.

- Oil and fuel filters
- Fluorescent bulbs
- Batteries (lithium, sulfur dioxide, nickel metal hydride, etc.)
- Damaged vehicle batteries
- Aerosol and paint cans
- Empty POL containers
- POL contaminated (rags, pads, etc.)



# Marketing/Outreach



**2020** "Perfect Vision, Perfect Mission"



# Marketing/Outreach



## Net Zero Waste Website



[www.hood.army.mil/netzero](http://www.hood.army.mil/netzero)

**WWW.HOOD.ARMY.MIL**  
THE OFFICIAL WEBSITE OF FORT HOOD, TEXAS

Friday, March 30, 2012 12:18:05

Home **Fort Hood Net Zero Waste 2020 - Perfect Vision. Perfect Mission.**

**NET ZERO Waste** 2020 • Fort Hood

**Net Zero Videos**

Share More info

*"It's an honor to be selected as a Net Zero Waste installation. Such a selection confirms that the Army fully recognizes the great work that has already been done with recycling on the installation and affirms the the Army sees potential in our ability to achieve Net Zero Waste by 2020"*  
Col. Mark Freitag  
Fort Hood U.S. Army Garrison Commander

**Net Zero Events**

**Post Wide Yard Sale** - April 14, 8 a.m.-2 p.m.  
Don't trash it - Repurpose it [Info Flve](#)  
All on-post residents are encouraged to participate.  
[Yard Sale Safety Checklist](#)

**Earth Fest** - April 27

**Resources**

- [Army Vision for Net Zero](#)

**Net Zero Waste**

April 19, 2011, Fort Hood was selected as a Net Zero Waste pilot installation to reach zero landfill by the year 2020. This new challenge brings re-energized awareness on the importance of the Sustainability Program and helps to highlight where Fort Hood needs to prioritize limited resources.

In Fiscal Year 2011, the

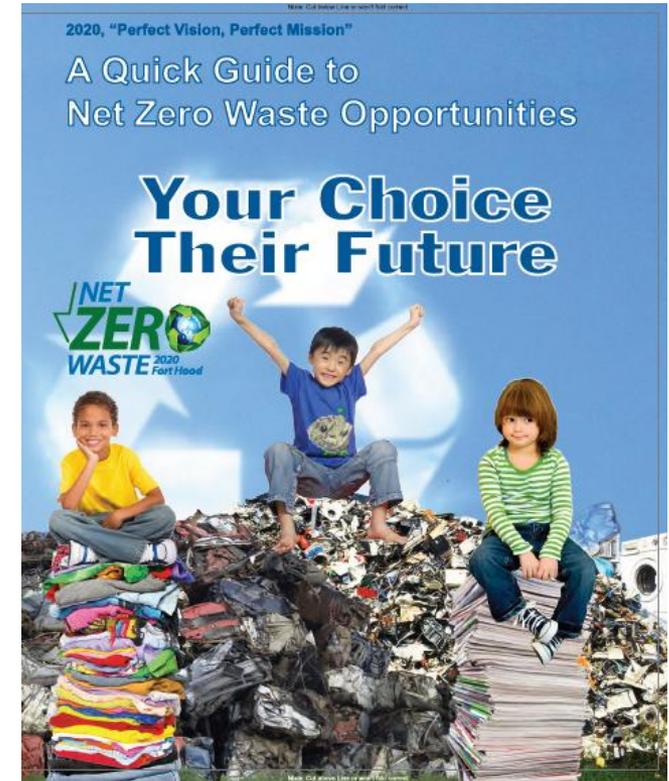
**Top Headlines**

More information and resources can be found on the NZW website



## Communicate Messages

**Place signage at your building recycle stations**



**Distribute booklet via email and get a copy of it on the NZW Website**



# Marketing/Outreach



A screenshot of a Facebook post. At the top is the Facebook navigation bar with the search bar containing the text 'Search for people, places and things'. The main image shows a woman, a young child, and a soldier in camouflage sitting on a red and white checkered picnic blanket outdoors. The soldier is wearing a name tag that says 'USA911'. In the bottom left corner of the post is a logo for 'U.S. ARMY MWR' (Morale, Welfare and Recreation) featuring a globe and the text 'MILITARY • FAMILY • RESERVE • CIVILIAN'. Below the image, the post title is 'Fort Hood Family and Morale, Welfare and Recreation' and it shows '10,202 likes • 311 talking about this'.

**Share NZW strategies and best practices on Unit Facebook Page**



## NZW Training

Contact the Environmental Division **287-6499** for specific NZW and Environmental training needs.





# Marketing/Outreach



## Site Visits



Take a tour of the  
Recycle Center  
(254) 287-2336



# Marketing/Outreach



**LOOKING TO GET RID OF A LITTLE WASTE?**

**RECYCLING CAN MAKE YOU MONEY!**

**The Fort Hood Recycle Center accepts the following:**  
 (\*Please rinse out milk bottles and tin cans before discarding into container)

- ▶ Paper, newspaper
- ▶ Office files
- ▶ Cardboard
- ▶ Mail
- ▶ Telephone books, coloring books
- ▶ Glass (bottle & jars)
- ▶ Metal cans \*
- ▶ Aluminum cans \*
- ▶ Tin cans \*
- ▶ Plastic bottles\*
- ▶ Detergent bottles \*
- ▶ Shampoo, conditioner and bubble bath bottles \*
- ▶ Milk, water and juice jugs \*
- ▶ Wooden pallets
- ▶ Printer toner cartridges
- ▶ Scrap metal of all kinds and More...

**Aluminum Can Buy Back Program**

- ▶ Fort Hood Recycle will pay you for your aluminum cans.
- ▶ Great way for Family Readiness Groups and Units to generate funds.
- ▶ Prices change monthly. Call for updated price.

The Recycle Center is located at the south end of 72nd Street next to Railhead Drive (Business Office is Bldg 4626, Recycle Processing Center is Bldg. 4621). For more information call 254-287-6437.



**NET ZER WASTE 2020**  
 Fort Hood  
 2020 "Perfect Vision, Perfect Mission"  
[www.dpw.hood.army.mil](http://www.dpw.hood.army.mil)

**Think Blue Recycle**  
 the new green



**Who knew**  
 tennis shoes?  
 Books  
 CDs  
 and  
 scrap metal  
 are just a few  
 of the various items  
 that can be recycled.

**Drop off your recyclable items to a blue recycling box conveniently located throughout post.**  
**50 - 80%**  
 of all waste  
 can be  
 recycled.

**Don't bury the past.**  
**Think Blue Recycle**  
 the new green  
**Recycle for a better future.**

**NET ZER WASTE 2020**  
 Fort Hood

Ensure everyone in your building knows what can be recycled



# Contact Information



- **Recycle Center: Monday-Friday 7:30am - 4:30pm.  
Phone # 254-287-2336**
- **Classification Unit: M-F 7:30am-4:00pm.  
Phone # 254-553-0896**
- **Landfill/Compost: M-F 7:30am-5:00pm and Saturday  
7:30am to 2:00pm.  
Phone # 254-532-2256**



# NZW Unit Goals and Action Plans



**2020** "Perfect Vision, Perfect Mission"



# Instructions



After visiting the Recycling Center and receiving the NZW training. Take some time to brainstorm some specific unit goals and actions to accomplish in 2013.

The following slides are just some examples to consider





# Reduce



## Example 2013 Goals for Unit

(Reduce, Repurpose, Recycle/Compost, Marketing/Outreach)

- **Three unit/organizational level project actions**

1. Maximize digital and paperless processing.

2. Mandate use of rechargeable batteries.

3. Utilize network printers rather than individual desktop printers.



# Reuse



## Example 2013 Goals for Unit

(Reduce, Repurpose, Recycle/Compost, Marketing/Outreach)

- **Three unit/organizational level project actions**
  1. Repurpose media equipment and furniture (Day Rooms & Families)
  2. Centralized location for Garage Sales
  3. Reuse of old clothes for motor pool rags



# Recycle



## Example 2013 Goals for Unit

(Reduce, Repurpose, Recycle/Compost, Marketing/Outreach)

- **Three unit/organizational level project actions**
  1. Incorporate recycling into SDO/SDNCO and CQ checklist
  2. Establish recycle centers in barrack's common areas
  3. Quarterly recycle emphasis and training



# Marketing and Outreach



## Example 2013 Goals for Unit

(Reduce, Repurpose, Recycle/Compost, Marketing/Outreach)

- **Three unit/organizational level project actions**
  1. Develop unit incentive program/challenge
    - Such as a “Cash for Cans Challenge” at the recycle center
  2. Publish NZW strategies on Unit Facebook Page
  3. Make all unit events zero waste



# Next Steps





# 2013 Next Steps



- Unit/Organization level goals and actions will be worked by respective Recycle Coordinators and other Soldiers as needed
- Recycle Coordinators implement the Unit/Organizational actions and report progress at the quarterly NZW Workgroup meetings and EQCC
- Next NZW Workgroup meeting for **Recycle Coordinators** is scheduled for May 23, 2013 (1330-1500) in the Remagen Room, Bldg 1001
- Next EQCC meeting is scheduled for June 18, 2013 (1030-1130) in the Remagen Room, Bldg 1001

# 85<sup>th</sup> Civil Affairs NetZero Stand Down Unit Challenge

## Challenge Summary:

Select at least 3 initiatives from the NetZero III Corps Working Group to implement and communicate them to all levels.

## Initiatives:

1. Default to 2 sided printing- S6 developed a program for the NEC to distribute to all unit computers.
2. Produce unit reusable products to decrease the use of disposable products.
3. Implement Staff Duty checks to increase waste segregation compliance.
4. Label dumpsters with unit identification to instill ownership.
5. Issue recycle containers for barracks rooms.



**Reduce** by default  
2 sided printing



# Net Zero 2020 Program

22 April 2013



## ***41<sup>st</sup> Fires Brigade***



## ***Railgunners!***

**Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!**



# Net Zero Program Overview



**Solid Waste and Recycling**

90 percent of discarded materials are either reusable, recyclable or compostable.

- Consuming less energy as a result of extracting, processing and transporting fewer virgin raw materials
- Utilizing recycled content products, which release less greenhouse gases than mining or harvesting virgin materials
- Establishing local end markets for the consumption of recovered recyclables and compostable materials, which reduces transportation impacts

**Energy**

**Air**

- Professional Development
- Good Stewardship
- Resource Awareness

- Footprint Management
- Community Impacts
- Industry Integration

**Water**

**Pollution Prevention**



# Net Zero 2020 Implementation Methodology

Standard

People

Process

Tools

- Active Participation
- Command Emphasis
- Communications campaign

Awareness

Innovation

- Team Building Events
- Solutioneering
- Creative Mission Planning

- Junior Leader Ownership
- Incentives
- Recognition

Empowerment

Dynamic



*It's essential to remember that this is a part of  
Soldiering!*

*Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!*



# Net Zero 2020 Bottom Line



*“In order to succeed with our Zero Waste goals, we need to **create lasting habits** that **foster environmental stewardship** and **waste reduction**...”*

*“Educating Austin’s youth is one of the ways we seek to achieve this.”*

*- Bob Gedert, Director,  
Austin Resource Recovery*



Develop a unit mindset that is:

- Internally Focused
- Externally Aligned
- Results Oriented



*Accurate, Timely, & Decisive Fires for America’s First Team...Rail Gunner Strong!!*



# Unit Vignettes/Case Studies



***Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!***



# 589<sup>th</sup> BSB “Support the Fight!”



## Awareness

- Command Emphasis on Motor Pool Conservation
  - 589<sup>th</sup> BSB Rodeo Round Up
  - Guard shack over watch of recycle containers
  - Repurpose scrap metal

## Innovation

- Battalion Recycling Council
  - Modeled after BOSS program hierarchy
  - Expanded program to battalion-wide. Total of 6 members chaired by Battalion ECO / CS

## Empowerment

- Junior Leader Ownership
  - Soldiers presented recycling messages at weekly close-out formation
- Diversity of Ideas - Uses the new generation of Soldiers to Solutioneer
- Program was adopted by III Corps (FRAGO 1 to PW 11-11-800)



*Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!*



# 2-20 FA “Deep Strike!”

## Awareness

- Recycle in the “field.” Soldiers sustain NZW focus/awareness at all times
- Recycling competition with Meadows Elementary
  - Meadows recycle 1,720 pounds of paper, 640 pounds of plastic and 404 pounds of aluminum cans
  - 2-20FA recycled 840 pounds of paper, 1,274 pounds of plastic and 343 pounds of aluminum cans

## Innovation

- Recycling competition with Meadows Elementary
  - Broken down into “focus” months – aluminum/plastic/paper
  - Trophy made from plastic bottles and aluminum cans

## Empowerment

- Soldiers and students inspired to embrace the recycling effort
- Proceeds from competition to school’s Project Green garden

### School, soldiers compete in recycling competition

By Todd Martin  
Special to the Daily Herald

**F**ORT HOOD — There was plenty of trash talk. It was all of the friendly variety. Since January, the soldiers of the 2nd Battalion, 20th Field Artillery Regiment, 41st Fires Brigade have competed against Meadows Elementary School at Fort Hood to gather the most recyclable material.

At the beginning of the school day May 22, televised on Meadows’ in-house Roadrunner

News, two battalion officers admitted defeat. They smiled the whole time.

While the Deep Strike Battalion gathered 2,457 pounds of paper, plastic and aluminum cans, Meadows staff and students came up with 2,764 pounds.

The soldiers presented to the school a trophy made from plastic bottles and aluminum cans.

More importantly, the proceeds from turning in the recycling will benefit the



■ Email items and photos to [news@kdhnews.com](mailto:news@kdhnews.com). Items run Sunday as space allows.

school’s Project Green garden, which has taken shape outside the school over the course of the year.

Also important, soldiers,

faculty and students said, is a change in behavior: Recycling has become commonplace around Meadows and around their Adopt-A-School unit.

Lt. AnnMarie McCreight said the unit wanted to recycle aluminum cans and helped organize a competition with Meadows through the month of January.

Plans called for the unit and school to compete in recycling plastic and paper in each of the

.....  
*Please see Class Acts, Page D3*



**Accurate, Timely, & Decisive Fires for America’s First Team...Rail Gunner Strong!!**



# 1-21 FA “First Strike!”



## Awareness

- Paperless meetings, awards, NCOER production
- Education and training quarterly
  - Safety Stand Down Days

## Innovation

- Quarterly “cash for cans” competitions
  - Incentives based program

## Empowerment



*Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!*



# Offices, Barracks and Family Housing

## Awareness

- Pay attention to Mock Billing! Only use lights when necessary.
- Enhance recycling within barracks rooms and common areas (increase #s of recycle containers)
- Posters and Media
- Leverage applicable IO and Public Affairs assets
- Carry the message forward during Housing Area Town Hall Meetings.

## Innovation

- FRG meetings
- Collect and report on metrics in staff updates
- Incorporate Army systems like Property Accounting and Leader Checks

## Empowerment

- Organize and support outreach
- Involve Non-profit Organizations
- Special events

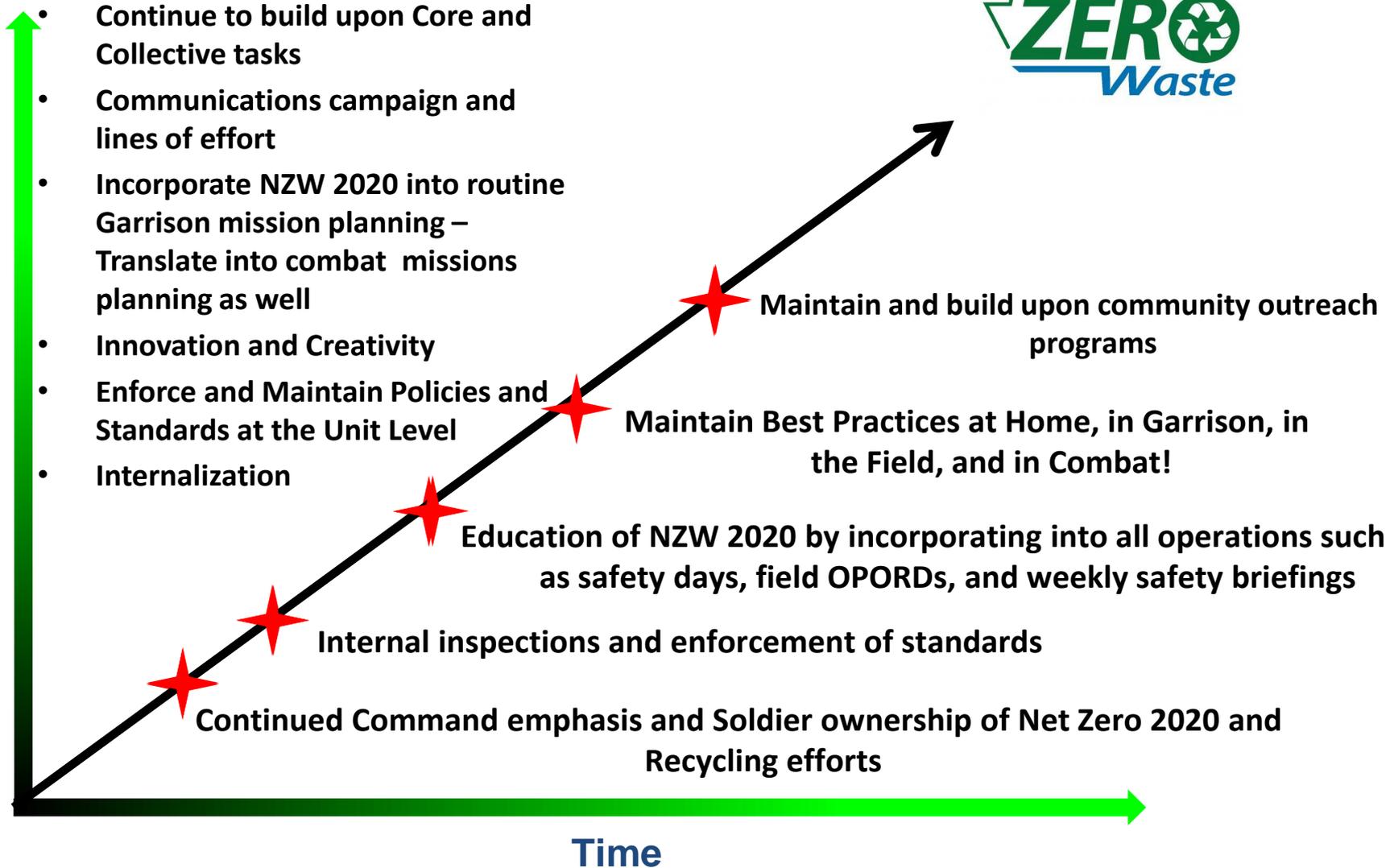




# Way Ahead



Capabilities



*Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!*



# Net Zero 2020 Program

## “Everyone contributes”



*Accurate, Timely, & Decisive Fires for America's First Team...Rail Gunner Strong!!*

# Fort Hood Education Services College Fair



## When:

April 29, 2013 11am-7pm

April 30, 2013 9am-2pm

## Where:

Fort Hood Education Services  
Division Bldg 33009

The event is open to all Active Duty Military, Military Family Members, Retirees and Fort Hood Civilians.

This is your opportunity to visit College Representatives from around the state and country.





# Questions/Discussion



**NET  
ZERO  
WASTE** 2020  
Fort Hood

2020 "Perfect Vision, Perfect Mission"

The central graphic features the text 'NET ZERO WASTE 2020 Fort Hood' in a mix of blue and green fonts. A green recycling symbol with a globe inside is positioned to the right of the word 'ZERO'. Below the main text is the slogan '2020 "Perfect Vision, Perfect Mission"'.

Net Zero Waste Project Officer: Jennifer Rawlings (254) 535-8557