



# Missile Demil Execution



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# AMCOM G3 Missile Demil



## Mission

Provide cost effective, safe and efficient demilitarization and disposal of DoD Tactical Missiles\* (**Class V**)

## Vision

An Effective Integrator of Demilitarization, Disposal and Reclamation Efforts in Support of DoD Tactical Missile and Army Aviation & Missile Requirements

## Objectives

- Manage Demil Program Execution Requirements
- Manage Demil Technology, Integration, and Capability Development
- Manage Class V Demil Logistical Efforts

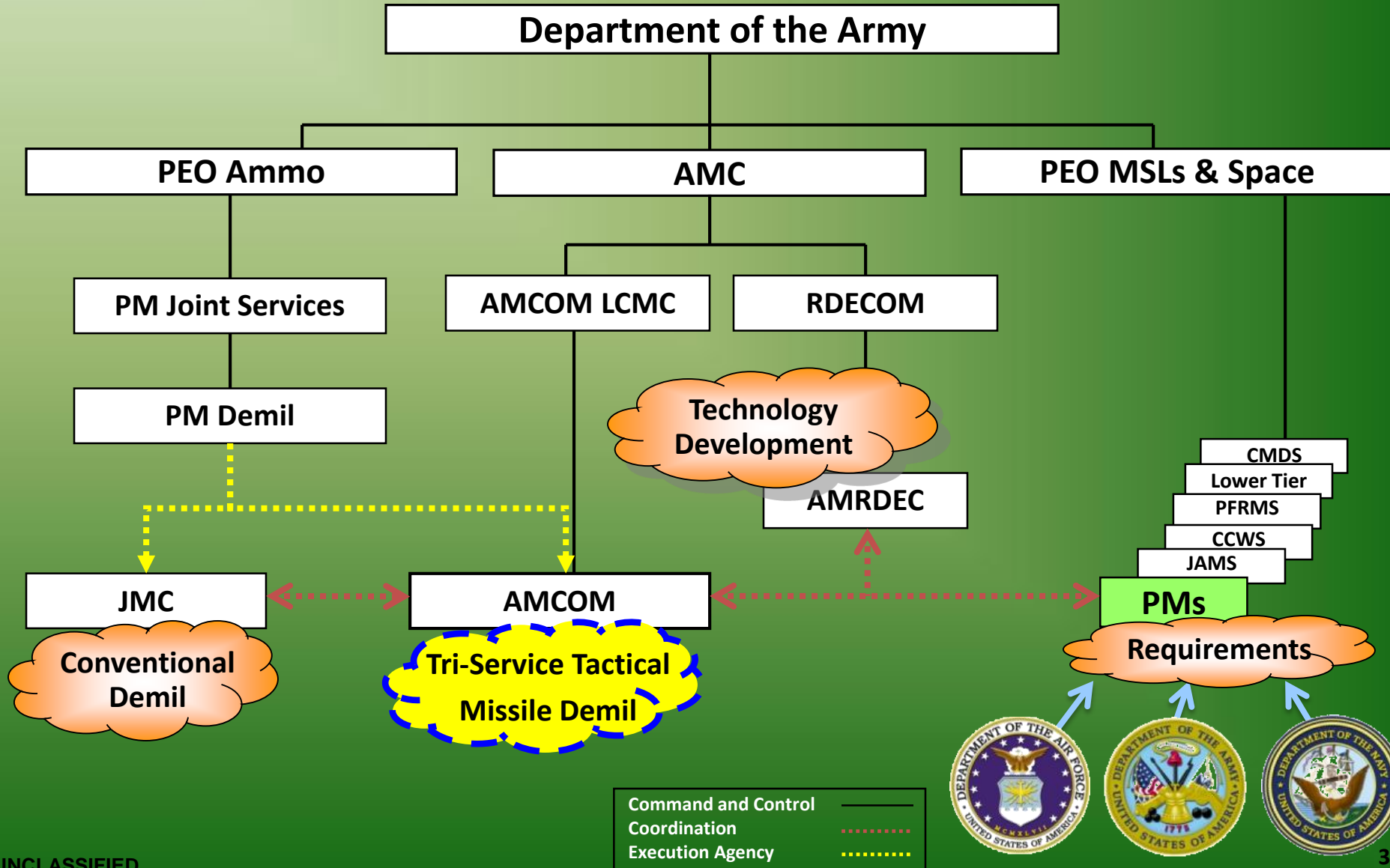
## Goals

- Reduce Demil Stockpile by at least **6% Per Year**
- Reduce Storage Footprint and Sustainment Cost Associated with Retention of Excess Items
- Maximize use of Available Resources (Organic Capability/Capacity)
- Demil Incoming Generations Within:
  - 10 Years of Entering the B5A Account
  - 10 Years of Last Shelf Life Extension
  - 35 Years of Production
- Pursue Reuse Opportunities by Gov Agencies

*\*The Army, as the single manager for class V (ammunition) demilitarization assets, assumes ownership of all ammunition and explosives of each service transferred to the B5A account.*



# Army Missile Demil Management Structure







# Missile Stockpile and Demil Locations

## Resource Recovery and Disposition Account RRDA/B5A

Missile Stockpile 339,234 Missile and Components (38,563 Tons) as of 5 Nov 2015

### HWAD (GOCO Facility)

Standard Motors	3,788
Sparrow Motors	1,098
Maverick Missiles	50
Warheads Various	8500
MLRS Pods	10
Components	<u>21,103</u>
Total	34,549

Stockpile 10%

### TEAD

Warheads Various	170
Motor Various	800
GM Various	111
MLRS Pods	10
Components	<u>38,658</u>
Total	39,749

Stockpile 12%

### CAAA

Standard Motors	803
Stinger Missiles	43
TOW Missiles	101
MLRS Pods	8
GM Various	1,375
Warheads Various	4,000
Motors Various	2,100
Components	<u>36,231</u>
Total	44,666

Stockpile 13%

### MCAAP

MLRS Pods, Mtr, Whds	19,480
Stinger Missiles/ Comp	2,777
Maverick Missiles/Comp	1341
Warheads Various	3,811
Patriot Msl, Mtr, Whd	1,046
Motors Various	3,500
Components	<u>14,041</u>
Total	45,996

Stockpile 14%

### LEMC

MLRS Pods, Mtr, Whds	18,844
ATACMS	43
Standard Missiles	756
Warheads Various	3,799
Motors Various	11,176
Components	<u>11,524</u>
Total	39,142

Stockpile 12%

### BGAD

Hellfire Whds	131
GM AGM 130	220
Components	<u>120</u>
Total	471

Stockpile .01%

### ANMC

TOW Msl, Mtr, Whds	21,931
MLRS Pods, Mtr, Whds	38,431
Hellfire Missiles	276
Javelin Missiles	89
Honest John Mtr, Whds	1,153
Standard Missiles	395
SRAW	610
Components	<u>66,070</u>
Total	128,955

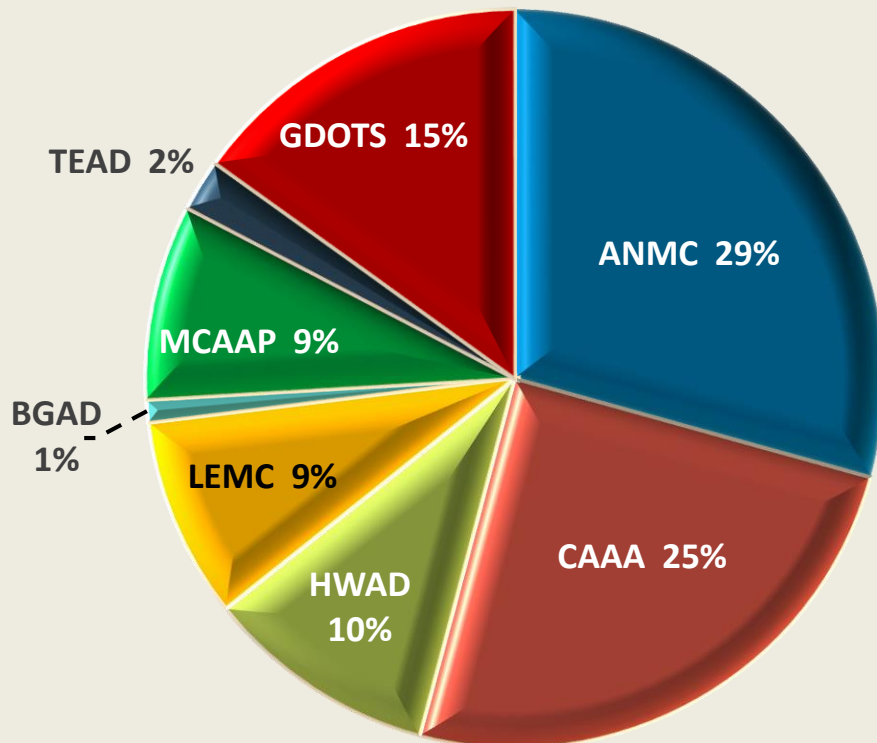
Stockpile 38%



# Missile Demil Workload

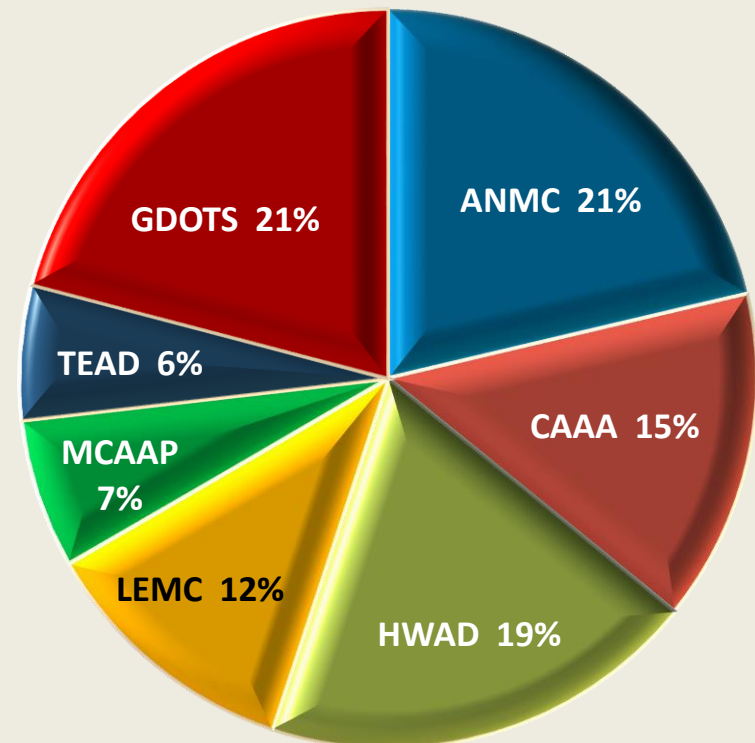
## - Army & Other Service Missile -

**FY15 Organic/Commercial Programs**



ANMC - Anniston Munitions Center  
 CAAA - Crane Army Ammunition Activity  
 HAWD - Hawthorne Army Depot  
 LEMC - Letterkenny Munitions Center

**FY16 Organic/Commercial Programs**

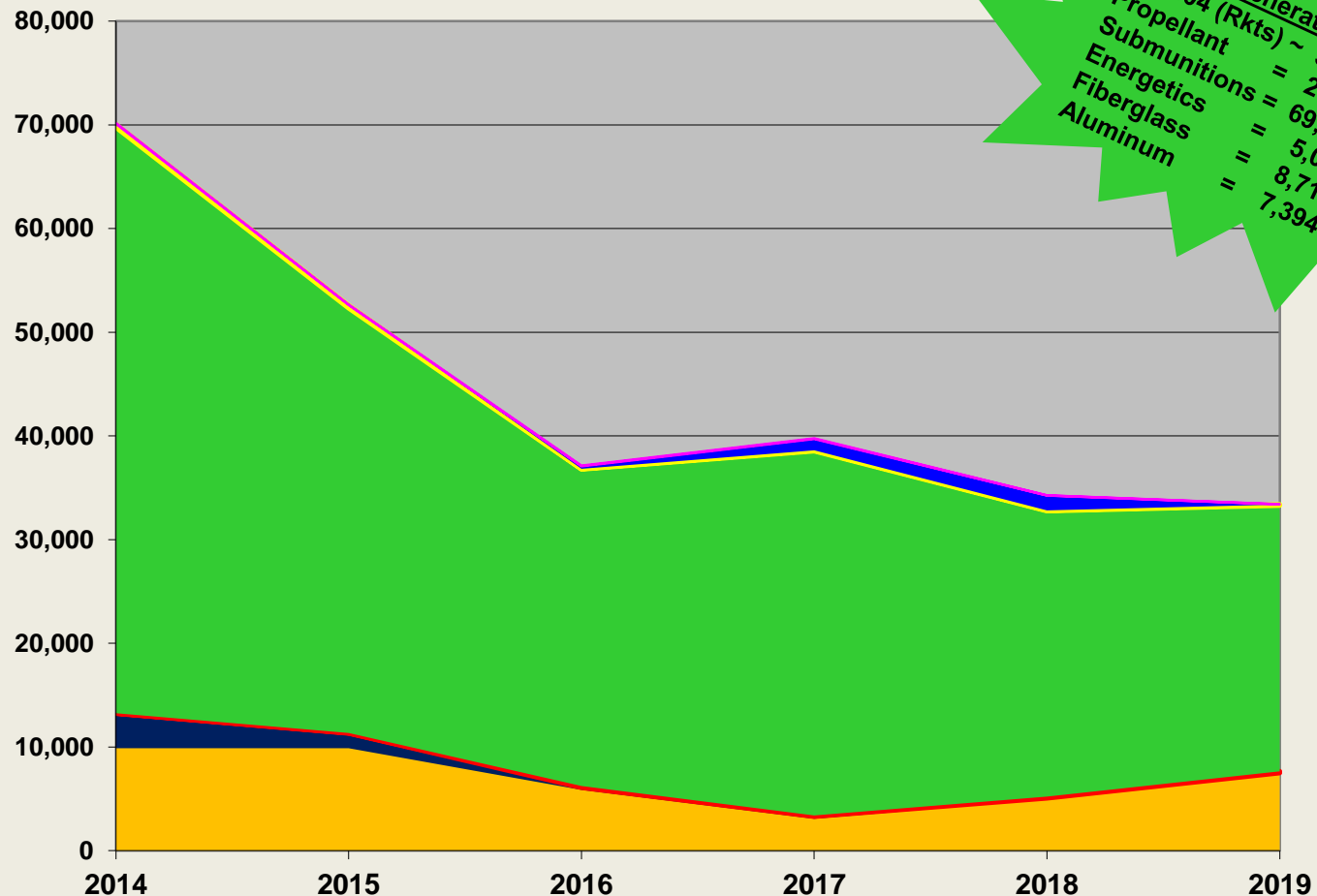


TEAD - Tooele Army Depot  
 MCAAP - McAlester Army Ammunition Plant  
 GD-OTS - General Dynamics Ordnance and Tactical Systems  
 BGAD - Blue Grass Army Depot



# Army Tactical Missile B5A Inventory

- Through 2019 -



**MLRS Generated - FY14-19:**  
 216,404 (Rkts) ~ 36,067 (pods)  
 Propellant = 23,480 tons  
 Submunitions = 69,682 tons  
 Energetics = 5,031 tons  
 Fiberglass = 8,710 tons  
 Aluminum = 7,394 tons

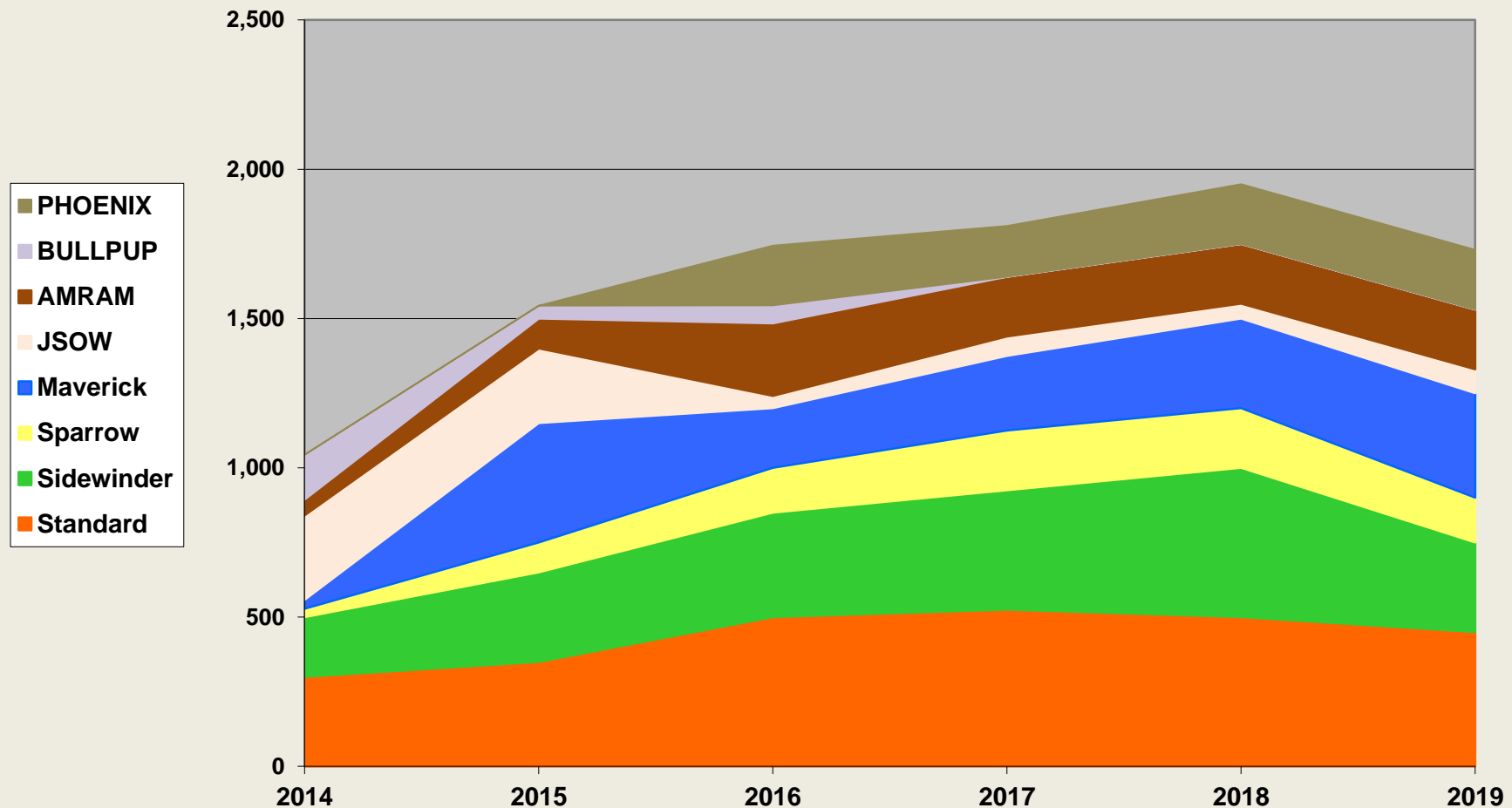
QUANTITIES IN "EACHES"



# Other Service Missile B5A Inventory



(non-Army) - Through 2019 -



QUANTITIES IN "EACHES"



# Missile Demil Capability Gaps



- **Large stockpile capability concerns/gaps addressed over the last several years**
  - **Commercial contract for MLRS**
  - **Anniston (ANMC) MLRS Warhead/M77 Grenade capability**
  - **Letterkenny Thermal Treatment Chamber for ammonium perchlorate rocket motors**
- **Current focus to address obsolete systems**
  - **Liquid propulsion demil (LANCE & Bullpup) scheduled for ANMC**
  - **Increasing static fire capability for double base rocket motor systems (e.g. McAlester new static fire stands)**
- **Next/Future focus areas will be:**
  - **Various warhead submunition capability**
    - **Honest John, Army Tactical Missile System (ATACMS, Tomahawk)**
  - **Various obsolete rocket motor capacity**
    - **Demil of ~4,000+ obsolete rocket motors**
    - **Most weigh 350-2500 lbs; Some weigh several tons**





# Demil Processes



- OB/OD



- Static Fire Stands (OB/OD)



- Automated Processing Closed Disposal/Thermal Treatment





# MLRS M26 Commercial Demil Contract



## Follow-on MLRS Commercial Contract

- **Initial 5yr Contract: 2008/2013, Demil'd 89,016 Rkts**
- **2nd Solicitation Issued on 30 April 2013 (Full & Open)**
- **Only One Proposal Received - Sole Source to General Dynamics Ordnance and Tactical Systems (GD-OTS) Munitions Services**
- **Base Period of Performance and Four (4) FFP Option Periods**
- **Awarded: 24 September 2013**
- **Currently on Option Yr 1 / Quantity Range: 10,002 - 35,004 per CLIN**
  - **Option Yr 1 Awarded 26 Sep 2014, Execution 75% complete\***
  - **Option Yr 2 Awarded 13 Nov 2015, Execution to start ~2nd Qtr 2016**
- **~ 49,568 Rockets Demil'd Since Follow-on Contract Award\*\***

Over 145,020  
MLRS Rockets Demil'd

\* Option Yr 1 extended adding additional quantities using MLRS Demil Scrap proceeds.

\*\* 49,568 includes Base year plus Option year 1; Follow-on Contract is the second 5-year MLRS commercial contract.



# Path Forward



- **Working with JMC and Organic Depots to increase Missile Workload where feasible**
- **Initiatives**
  - **Workload Efficiencies (Most Efficient Mix)**
  - **Requirements Determination (Forecasting and Cost)**
  - **Working Solutions (Tech, Permitting, etc.) To Close Capability Gaps**
  - **Acceptance Testing/LRIP for Letterkenny and Anniston Thermal Treatment Capabilities -- FY16**



# Questions?