



JOINT PROGRAM EXECUTIVE OFFICE ARMAMENTS & AMMUNITION

**Project Director Joint Ammunition
and Weapon Systems
2024 Munitions Executive Summit**

**PM Acquisition Panel
20 March 2024**

**Mr. James Terhune
Product Director Demilitarization
973-724-2839
james.c.terhune2.civ@army.mil**





PD Joint Ammunition and Weapon Systems

Project Director
Frank Altamura
frank.altamura.civ@army.mil

Deputy Project Director *
Michael DeMaria (Acting)
michael.b.demaria.civ@army.mil

PdD Demilitarization

Product Director
James Terhune
james.c.terhune.civ@army.mil

- RDT&E
- CAD Planning & Execution
- Ammunition Peculiar Equipment (APE)
- Resource Recovery and Recycling Reinvestment (R3)

Bombs and Components

Lead and Transition Manager
Diane Wagner (Acting)
diane.wagner.civ@army.mil

- General Purpose Bombs
- Penetrator Bombs
- Cast Ductile Iron Bombs
- Small Practice Bombs
- BLU-129
- Bomb Fins
- Pallets
- Cables
- Suspension Lugs
- Bomb Metal Parts
- Signal Cartridges

Business Management

Business Manager
Michael DeMaria
michael.b.demaria.civ@army.mil

- Program Analysis Division
- Acquisition Division

Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD)

Diane Wagner
diane.wagner.civ@army.mil

*Deputy Project Director, Andrew Lewis, *andrew.m.lewis.civ@army.mil* – assumes Deputy role in June 2024



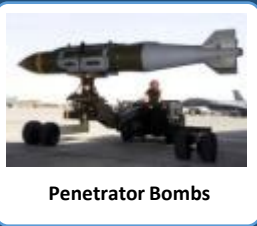
Project Director Joint Ammunition and Weapon Systems



Current Products



General Purpose Bombs



Penetrator Bombs



Cast Ductile Iron Bombs



Small Practice Bombs & Signal Cartridges



BLU-129



Bomb Fins



Bomb Components



Army Aviation CAD/PAD

- Number of Products delivered FY23 – 345K items
- Convention Ammo Demil in FY23 – 28.2K Short Tons
- Missile Demil in FY23 – 3.7K Short Tons

New Products

BLU-136
2000 lb.
Area Attack/Area Denial



Transitioned to SMCA
1QFY24

BLU-137
2000 lb.
Next Gen.
Penetrator Bomb



Anticipated transition to SMCA
4QFY24

BLU-140
500 lb.
Next Gen. Penetrator Bomb



Anticipated transition to SMCA
FY27

74 Active Programs

- 56 - Bombs, Components & CAD/PAD
- 18 - PdD Demil

FY24 = \$395M

Program Concepts

Demil RDT&E Priorities

- Transition from RDTE to Execution 3QFY26
- Designed for Anti Personnel Landmine (APL) Demilitarization



Munitions Cryofracture Demil Facility

Manage SMCA acquisition of other Military Service configured munitions and demilitarization of joint conventional ammunition and missiles



Bomb Production Priorities



- **Award new contracts for:**
 - General Purpose Bombs (all variants)
 - MK 84 Conical Bomb Fins
 - BLU-129/B 500lb Low Collateral Bomb
 - BDU-50 500lb Cast Ductile Iron Bomb
 - BLU-136/B Next Generation Area Attack Weapon (NGAAW)
 - MK 3 and MK 12 Pallets
 - M70 Series Cables
- **Complete First Article Testing and enter into production of:**
 - Small Practice Bombs (BDU-33 & MK76)
 - MK4-3 and CXU-3 Signal Cartridges
 - BLU-109/B
 - Navy BLU-109 A/B and BLU-109 A(D-1)/B at MCAAP
 - Nose Closing Plug
 - MK3 & MS3314 Bomb Suspension Lugs (New Contract)
 - BSU-33 Conical Bomb Fins
- **Continue production of:**
 - Tritonal filled MK 82 500 lb and MK 84 2,000 lb General Purpose Bombs
 - IM filled General Purpose Bombs (all variants)
 - BLU-109 2,000 lb Penetrator Bombs
 - BDU-50 500 lb Cast Ductile Iron Bombs
 - BSU-33 and MK 84 Conical Bomb Fins
 - MK3 and MS3314 Bomb Suspension Lugs
 - Support Cup
 - MK 3 and MK 12 Pallets





Demilitarization Enterprise Goals

- Efficiently reduce the demil stockpile by maximizing use of the capacity of the organic and commercial industrial base
 - Maximize execution and capacity utilization in the industrial base
 - Minimize storage dedicated to demilitarization stockpile
- Continuously improve the efficiency and effectiveness of demil capabilities within the Enterprise
 - Increase capability of the Demilitarization Enterprise
 - Improve efficiency of the Demilitarization Enterprise
- Implement “Design for Demil” for all new and modified conventional ammunition products
- Increase the use of closed disposal technologies, resource recovery, and recycling

Overarching Objective – Reduce stockpile below 100K tons, then maintain

As of 06Mar2024, Stockpile stands at 319,298 Tons



Bombs Industrial Base Challenges



- Bombs requirements have declined after unprecedented highs; need to continue close collaboration with industry and requiring Services to sustain industrial base capability
- Need flexibility in both contracts and production facilities to absorb fluctuations in customer funding and continue to ask for your support as appropriate
- Interested in novel manufacturing approaches to maintain Industrial Base capabilities and keep commercial facilities warm when requirements and production rates decrease
- Government & Contractors collaborating to ensure robust, reliable supply chains (i.e., Single Point Failures and foreign sources of supply)
- Need to continue to reduce lead times getting to First Article Testing by effectively managing supply chain challenges.



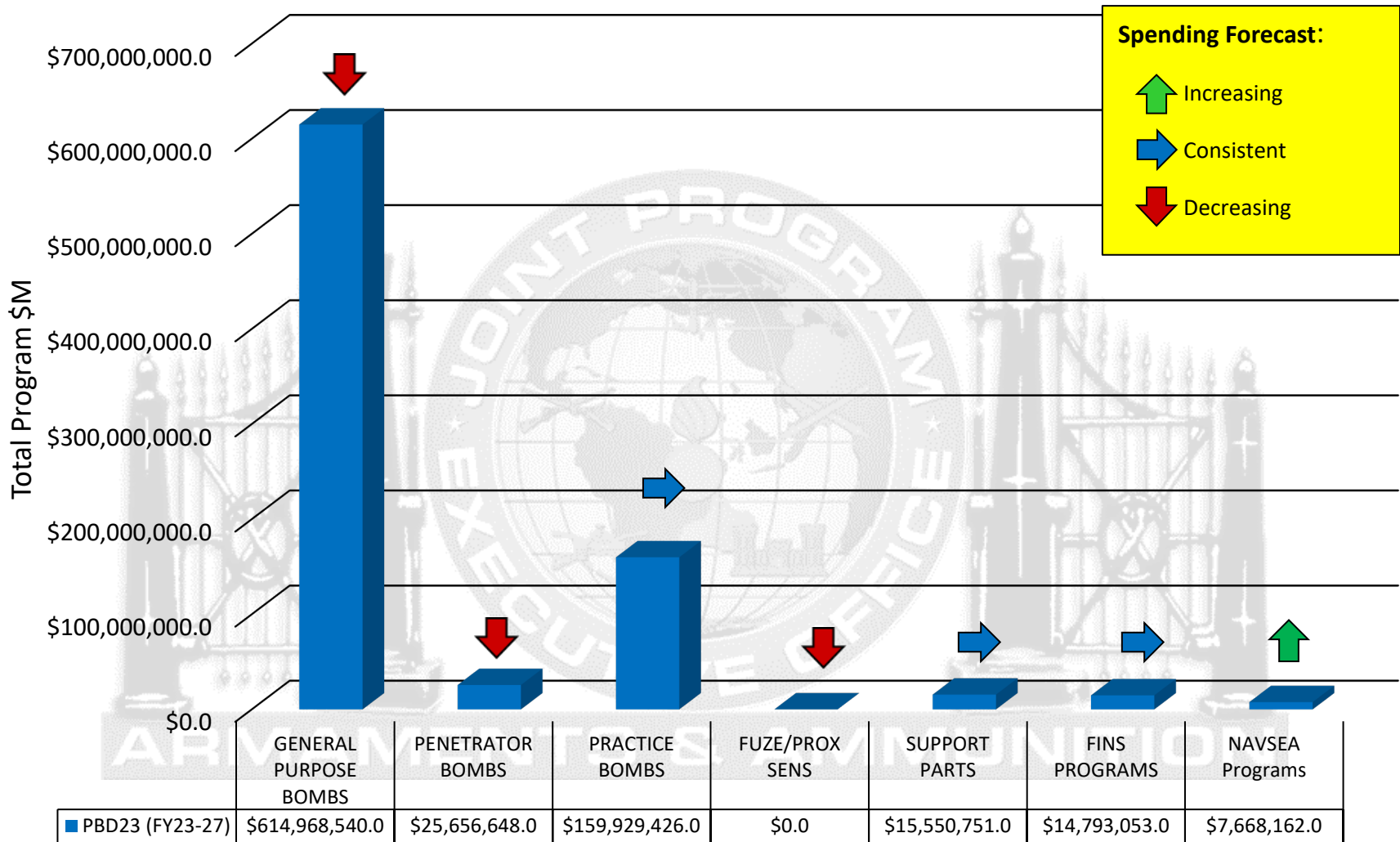
Demil Challenges



- Funding Variability from Year to Year
- Workload Distribution between Organic and Commercial Work
- Policy Impacts
 - Anti-Personnel Landmine Requirement
 - Increased Scrutiny on Open Burn/Open Detonation
- Removing Misconceptions on Open Burning, Open Detonation and Viable Alternate Technologies
- Prioritizing and Funding (PAA or MILCON) for Alternate Technology Capabilities
- Demilitarization Gaps
 - Asbestos Containing Munitions
 - Illumination Cartridges
 - Pyrotechnics
 - Munitions Containing Insensitive Munitions (IM) Explosives



Bombs Funding Outlook

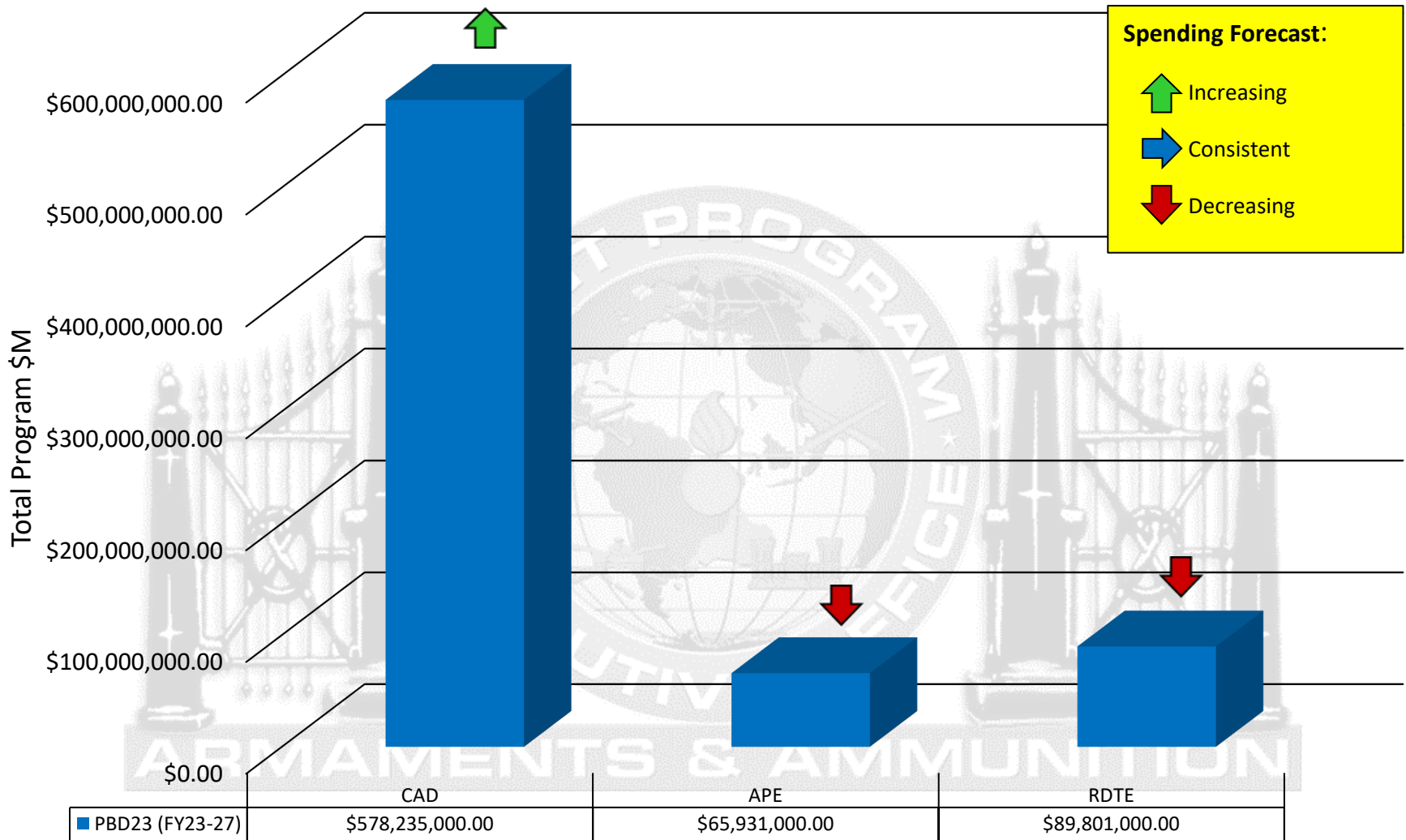


Represents Other Service Funding (Air Force and Navy) \$M

PBD23: Total Portfolio ~\$839M



Demilitarization Funding Outlook



Represents Army Funding (\$M)

PBD23: Total Portfolio ~\$733.9M



Demil Competitive Opportunities



Program/ Item/ Description	Projected RFP Release	Projected Award Date	Potential Contract Value	Contract Strategy	Contract Type
Shotgun Shells	4QFY24	Mar 25	\$4M	Competitive	FFP
Conventional Ammo Demil Contemplation Letters 2024	2QFY24	Apr 24	\$30M	Limited Competition	IDIQ/FFP
Conventional Ammo Demil Contemplation Letters 2025	1QFY25	Jan 25	\$25M	Limited Competition	IDIQ/FFP
TNT Procurement 2026-2030 (Thru PD Joint Services)	2QFY25	Jan 26	\$20M/yr	Competitive	IDIQ/FFP
Conventional Ammo Demil CAD 2026-2030*	3QFY25	Mar 26	\$40M/yr	Competitive	IDIQ/FFP
Anti-Personnel Landmines*	TBD	TBD	TBD	Competitive	IDIQ/FFP



***Industry Day planned for 1QFY25**



Closing Message to Industry



- Thank you for your sustained commitment and support to the Ammunition Enterprise and the Joint Warfighter
- Government/Industry team needs to continue to work together to effectively negotiate the current downturn in Bomb requirements
- The Government is very interested in novel manufacturing approaches that have significant surge capacity but are sustainable at low annual quantities
- Future Demil Projects to Include a Larger Variety of Items
 - Smaller Quantities to Require More Agility
 - Remaining Items are More Difficult and will be more Expensive
- Push to Alternate Technologies to minimize Open Burn & Open Detonation
 - Finding Viable Options
 - Acquiring Funding and Time to Implement
- Organic and Commercial bases are key players in stockpile reduction