



NAVAL SURFACE WARFARE CENTER
INDIAN HEAD DIVISION

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Charles County Planning Commission Briefing

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NSWC IHD 2025/2026 HIGHLIGHTS

Lifesaving Ordnance: NSWC Indian Head CAD/PADs Ensure Safe Ejections During Operation Epic Fury



NSWC IHD 2025/2026 HIGHLIGHTS

Breathing New Life into Boosters: NSWC IHD's Historic Mark 70 Cast



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NSWC IHD 2025/2026 HIGHLIGHTS

Expanding the Arsenal's Reach: \$50 million Maryland Energetics Innovation Hub Breaks Ground

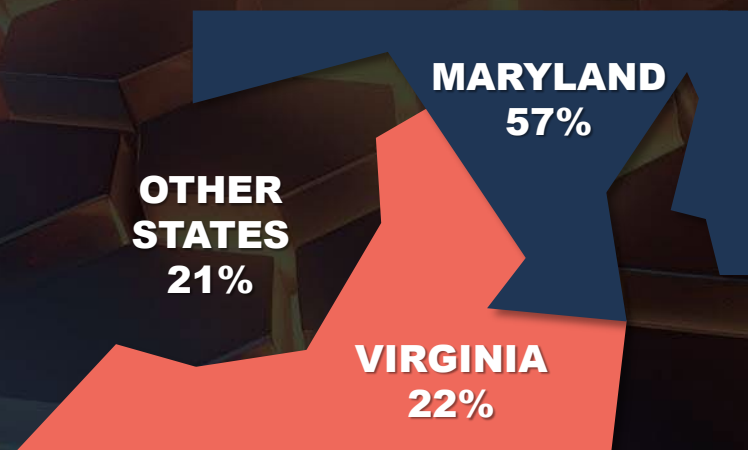


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ECONOMIC IMPACT



WHERE WE LIVE



COUNTY-BY-COUNTY BREAKDOWN (MARYLAND)

Charles County.....	65%
St. Mary's County.....	16%
Prince George's County.....	10%
Calvert County.....	4%
Anne Arundel.....	2%
Other.....	3%



NSWC IHD
Total Maryland
FY25 Payroll:
\$391 million

FY25 Maryland
Contract & OTA
Dollars:
\$86.6 million

NUMBERS AT A GLANCE



FY25 EXECUTION



\$793M Direct/\$302M Indirect

Total Contracting Effort

\$936 million

Building Occupied

941

Total Square Feet

2,324,000

Civilian Staffing

Employees*

2,193

Top S&E Disciplines



Scientist & Engineers
796

Average Age of Workforce

44

Average Years of Service

12

Workforce Education (Technical)

Bachelors 519
Masters 196
Ph.D. 84

*Contractor numbers not included

NSWC IHD STEM Workforce Pipeline Program

Demands for additional proficient personnel are increasing in southern Maryland:

- NSWC IHD experienced workforce reduction through DRP and has continued attrition
- NSWC IHD awarded contracts require additional personnel
- NSWC IHD non-Government partners in southern Maryland hiring additional personnel
- MEIH participants will likely hire additional personnel

STEM Workforce Pipeline Program:

- Funds STEM-related degrees in exchange for service commitment upon graduation (engineering technician, 2+2 programs, and direct four-year degrees)
- MEIH participants will be allowed to “buy-in”
- Service commitment first choice by IHD, but if hiring is limited, service commitment met through MEIH participants

Internships critical component:

- Supports developing proficient personnel for later hiring
- Builds experience and expertise to enable a strong start upon hiring
- Summer session offers surge capacity for shorter RDT&E projects, possibly coupled with faculty

Also intend to leverage partnership with TPP:

- Engagement with the UMD MATRIX Lab
- Support interns with interest in NSWC IHD in partnership with NAWCAD PAX



**The Patuxent
Partnership
(TPP)**



UMD MATRIX LAB

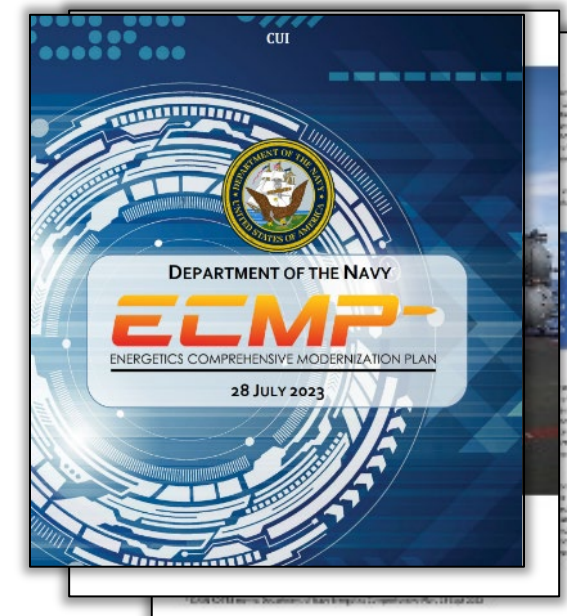
ECMP OVERVIEW

Energetics Comprehensive Modernization Plan (ECMP) Summary

- 15-year ~\$3 billion modernization plan for Navy's Energetics Organic Industrial Base
- Includes NSWC Indian Head Division, NAWC Weapons Division, and NAVSEA Alleghany Ballistics Lab
- Approved by ASN(RDA) in 2023 as Navy's "All-Hands-on-Deck" strategy to leverage the organic industrial base along with industry

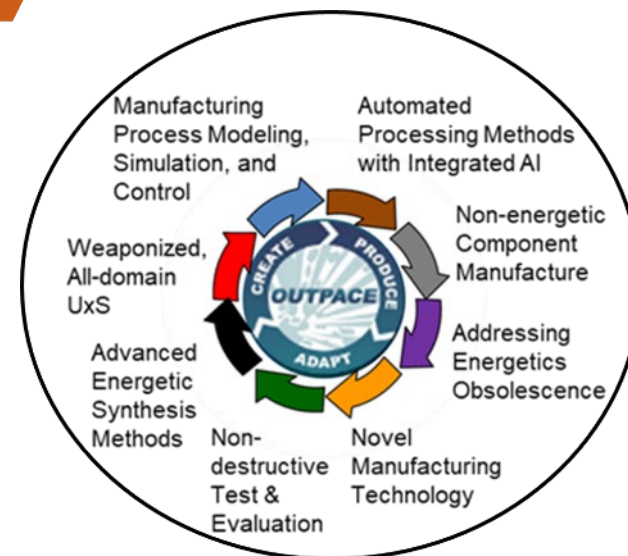
Strategic Approach:

1. Unlock latent capacity by improving **safety & readiness**
2. Expand capacity through **restoration of existing facilities**
3. Further expand capability/capacity through **modernization**



Maryland Energetics Innovation Hub (MEIH)

- **NSWC IHD Requirement:** accelerate R&D and transition of energetics-related technology in eight priority mission areas through direct, in-person collaboration with commercial partners on a near-daily basis.
- **American Center for Manufacturing Innovation (ACMI) solution:** to meet the NSWC IHD requirement through establishing an MEIH, including a main campus that supports energetics work and various satellite locations (2+).
- **Status:**
 - Awarded \$50 million 10USC 4023 agreement to ACMI on 1 APR 2026.
 - 1st ground breaking occurred 28 MAY 2026 at MEIH Satellite #1 locations on Indian Head Hwy.
 - Continuing to work with companies to grow the MEIH team.
 - Awarded first phase \$35.4 million of MEIH prototyping activities by 30 JUN 2026 via NEST OTA.



Public-Private Partnerships

NSWC IHD is Designated as a **Center for Industrial and Technical Excellence (CITE)** for:

- Energetics and Ordnance Systems Depot Maintenance
- Arsenal activities

CITE designation provides the legal authority for NSWC IHD to form **P3s**.

- Promotes the use of existing, unique facilities with established technical expertise, equipment, processes and procedures without significant fixed cost investment
 - Workloads critical plant complexes
- Facilitates flexible development, manufacture, test, maintenance, and storage of energetic materials and ordnance systems

P3 Benefits to the Navy and DoD

- Provides means for a mixed Industry/Organic Acquisition Strategy
 - OIB has available workforce and latent capacity
- Allows for agile acquisition and return on investment
- Leverage Commercial Innovation and Agility
- Grow a robust supply chain for energetic products
- Allows for direct participation of Industry Partner personnel onsite

P3 Benefits for Industry Partners

- Good for Emergent Partners: Provides access to specialized facilities and equipment
- Good for Experienced Partners: Surge Capacity to meet Emergent Demand Signal



WHAT'S ON DECK?

- **Peak ECMP Execution**
 - 400+ projects planned for future years
 - Undergoing shift from urgent maintenance to capacity-expansion projects
 - Next shift will slow activity and focus on perpetual facility sustainment
- **More contract announcements for Infrastructure, onsite support, etc.**



Questions?