

Program Executive Office



SHIPS

We Are Ships
From Cradle to Grave

Shaping Our Future Workforce

Presented by: Mr. Arthur W. Divens
Executive Director

DATE: 21 September 2005



Providing for The Three Navies



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← **Core Business** ————— **Engineering Expertise** →

**Current
Navy**

- Overhaul
- Repair
- Modernization
- Distance Support

**Future
Navy**

- ACAT program management
 - Ships & ships systems design & construction
 - Contract management
 - System performance evaluation

**Navy
After Next**

- Science & Technology
 - Advanced Weapons
 - Advanced sensors
 - Fully interoperable, integrated command environment

READINESS TODAY

**CAPABILITY
TOMORROW**

**AVOID TECHNOLOGICAL
SURPRISE
THE DAY AFTER
TOMORROW**

Concept and Technology Development

Concept & Technology Development

System Development & Demonstration

Production & Deployment, Operations, Support & Disposal



MPF(F)

- Mission Need Statement signed, May 2001
- Milestone A Defense Acquisition Board approval, Dec 2002
- Analysis of Alternatives completed, Apr 2004
- RDT&E Risk Reduction activities
- Senior DoN review
- “Hybrid Squadron” decision – combination of legacy and new construction ships, May 2005



LHA (R) Flt 0

- Replace LHA Class Amphibious Assault Ship
- Milestone A completed Jul 2001
- Program redirected by DoN leadership Capabilities Letter, Apr 2004
- Restructured to “aviation variant”
- Procurement funding for lead ship, FY07 (PB06)



DD(X)

- DD(X) ORD approval, Jan 2004
- System-level Preliminary Design Review completed, Mar 2004
- Ten Engineering Development Models completed Preliminary Design Review
- Nine (of ten) Engineering Development Models completed Critical Design Review
- 06 Level Critical Design Review, June 2005



LCS

- Achieved Milestone A decision and program initiation, May 2004
- Detail Design & Construction contracted to Lockheed Martin & General Dynamics
- First Ship designated *Freedom* (LCS 1)
- 1st ship (LM) delivery scheduled, 2007; 2nd ship (GD) delivery scheduled, 2008

System Development and Demonstration

Concept & Technology
Development

System Development &
Demonstration

Production & Deployment,
Operations, Support & Disposal



T-AKE

- National Steel and Shipbuilding Company awarded contract for Detail Design and Construction Contract, Oct 2001
- Lead ship construction started, Sept 2003
- 5 ships under construction
- Lead ship delivery Jan 06



LHD 8

- Contract awarded, 2001
- Construction started, May 2003
- Keel laid Feb 2004
- Auxiliary electrical drive for fuel efficiency at low speeds
- Electrical auxiliary drive will be used in LHA(R)
- LHD 8 delivery scheduled, May 2007



LPD 17

- Ship launching and christening 2003
- Construction underway for LPD 18, 19, 20, 21
- LPD 17 at-sea builder's trials completed, Apr – May 2005
- Acceptance Trials completed, Jun – Jul 2005
- Ship delivery, Jul 2005
- Crew move aboard, Aug 2005
- Commissioning, Oct – Nov 2005

Ships Operations, Support and Disposal



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Concept & Technology
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DDG 51

- 62 Ships awarded and appropriated; 46 delivered
- 10 remaining ships to be constructed at BIW
- 6 remaining ships to be constructed at NGSS
- Final 18 ships are awarded under the FY98-FY01 MYP or FY02-FY05 MYP



CG 47

- 22 CGs to receive capability upgrades
- Five Baseline 1 cruisers to be decommissioned
- Phase 1 CG Mod starting in FY 06 with HM&E and Combat System stand alone packages
- Phase 2 CG Mod Integrated Combat Systems full-up package starting in FY 08 CG 52



FFG 7

- 30 will remain in service
- Upgrades include new SSDGs, reverse osmosis plants, COTS slewing arm davits, Mk 53 Nulka and Mk 15 CIWS Blk 1B
- Removes Mk 13 launchers



DD 963

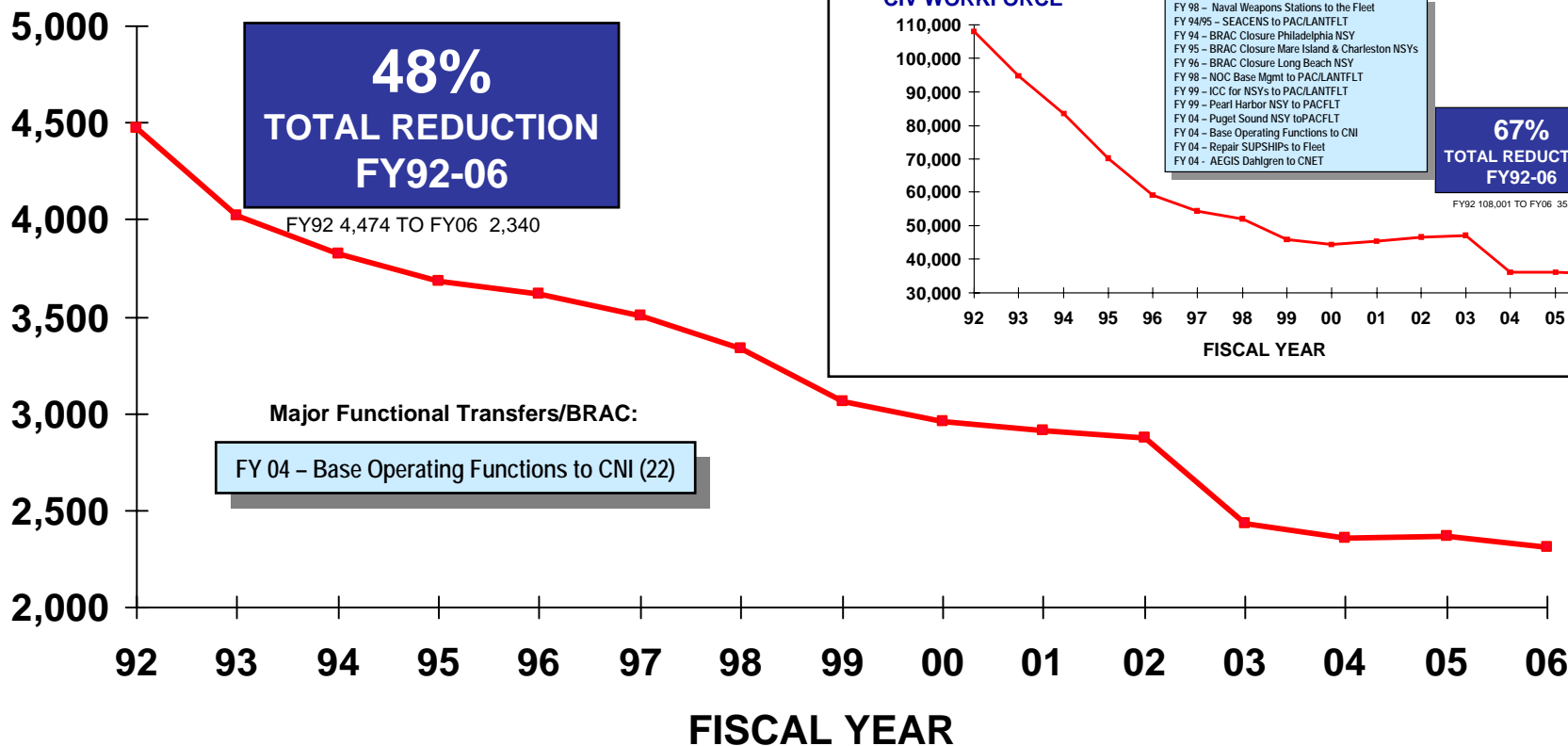
- Decommissioning to be completed in 2005

NAVSEA SIZING TOTAL REDUCTION FY92-06 DIRECTORATE & PEO CIVILIAN WORKFORCE



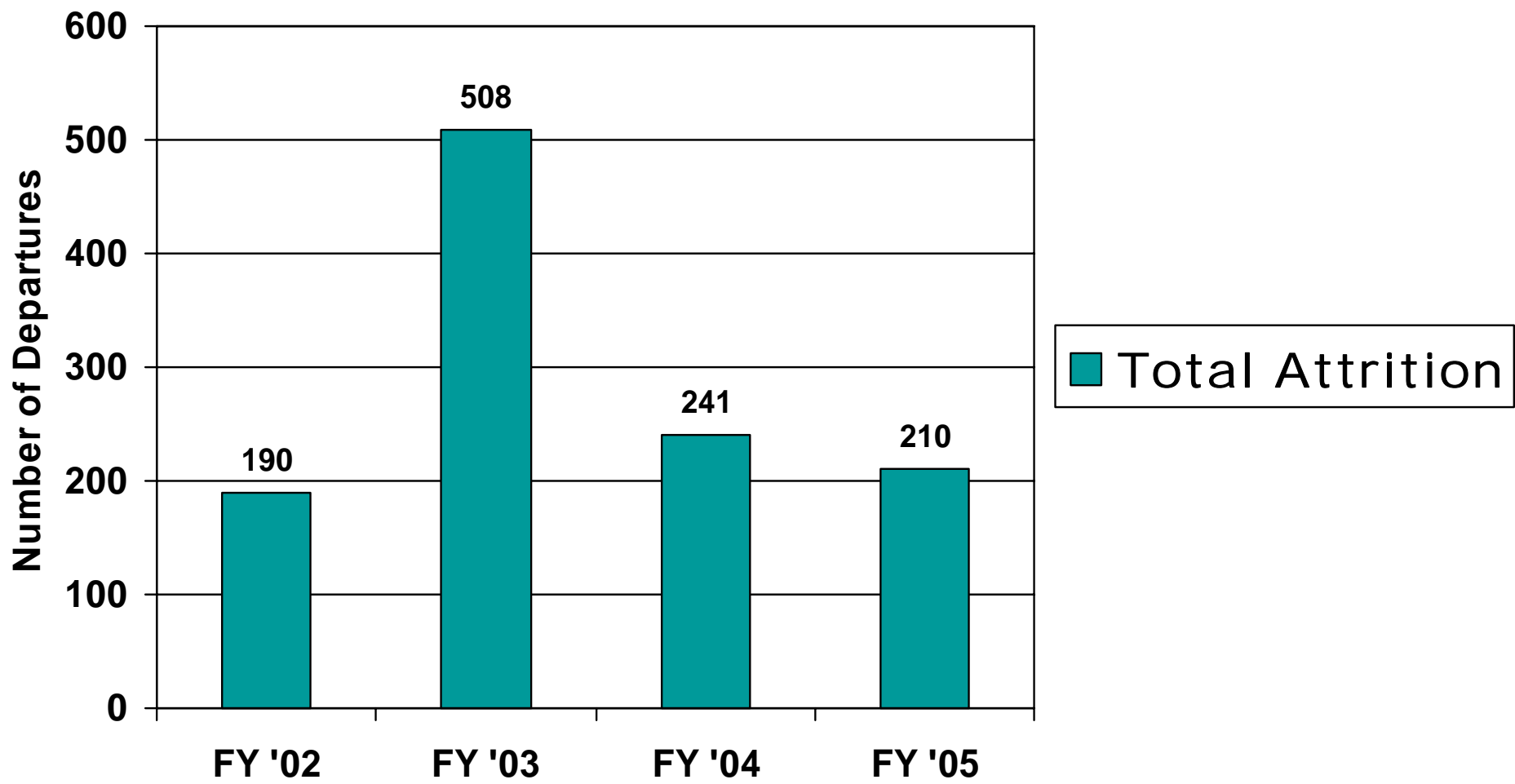
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CIV WORKFORCE



MILITARY: FY92-02 ARE CERTIFIED E/S; FY03-06 ARE SEP02 FYDP
CIVILIAN: FY92-04 ARE CERTIFIED E/S; FY05-06 ARE FY06 PRESIDENT'S BUDGET

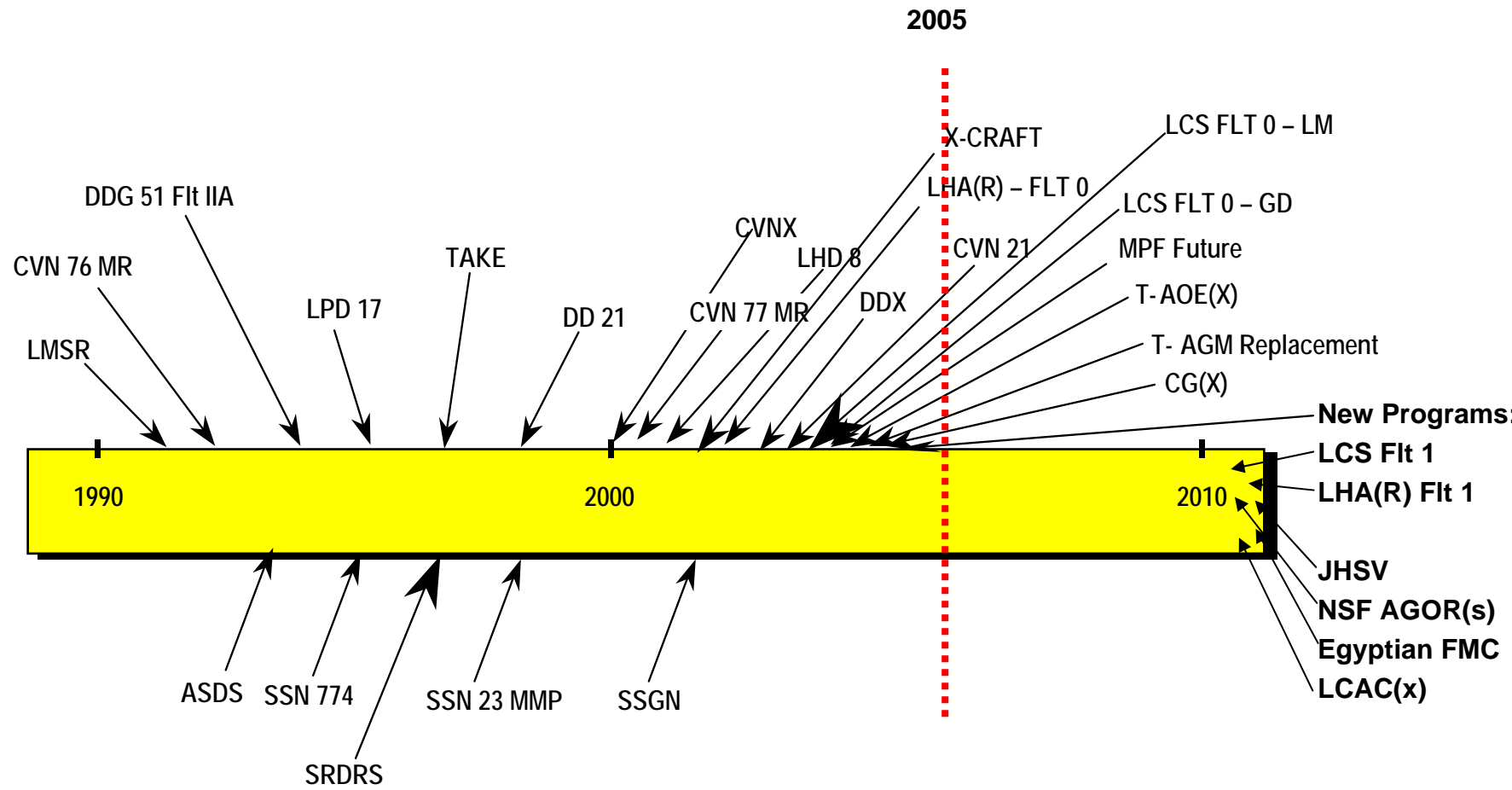
Total Attrition FY'02 to FY'05



Future Navy Ship Designs

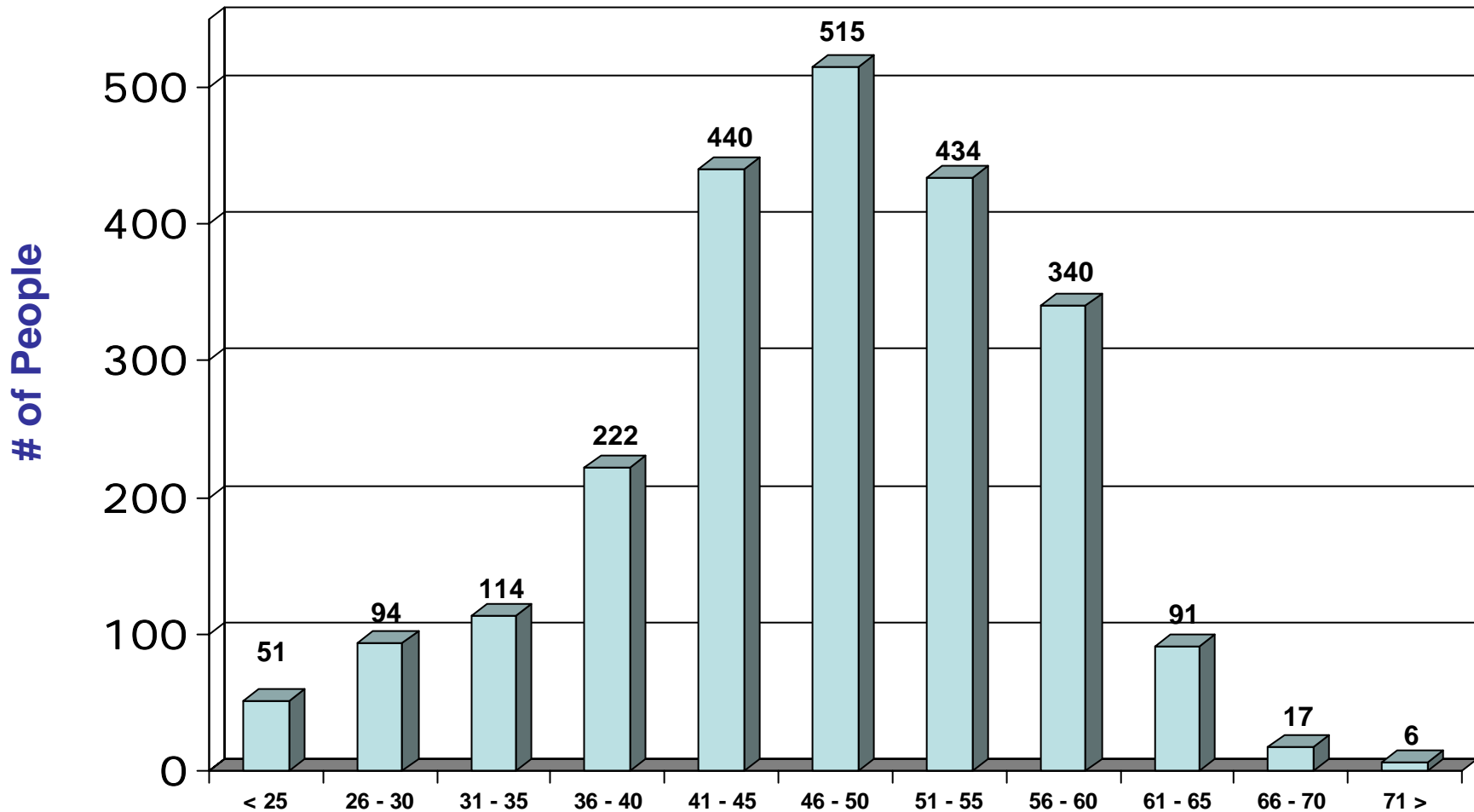


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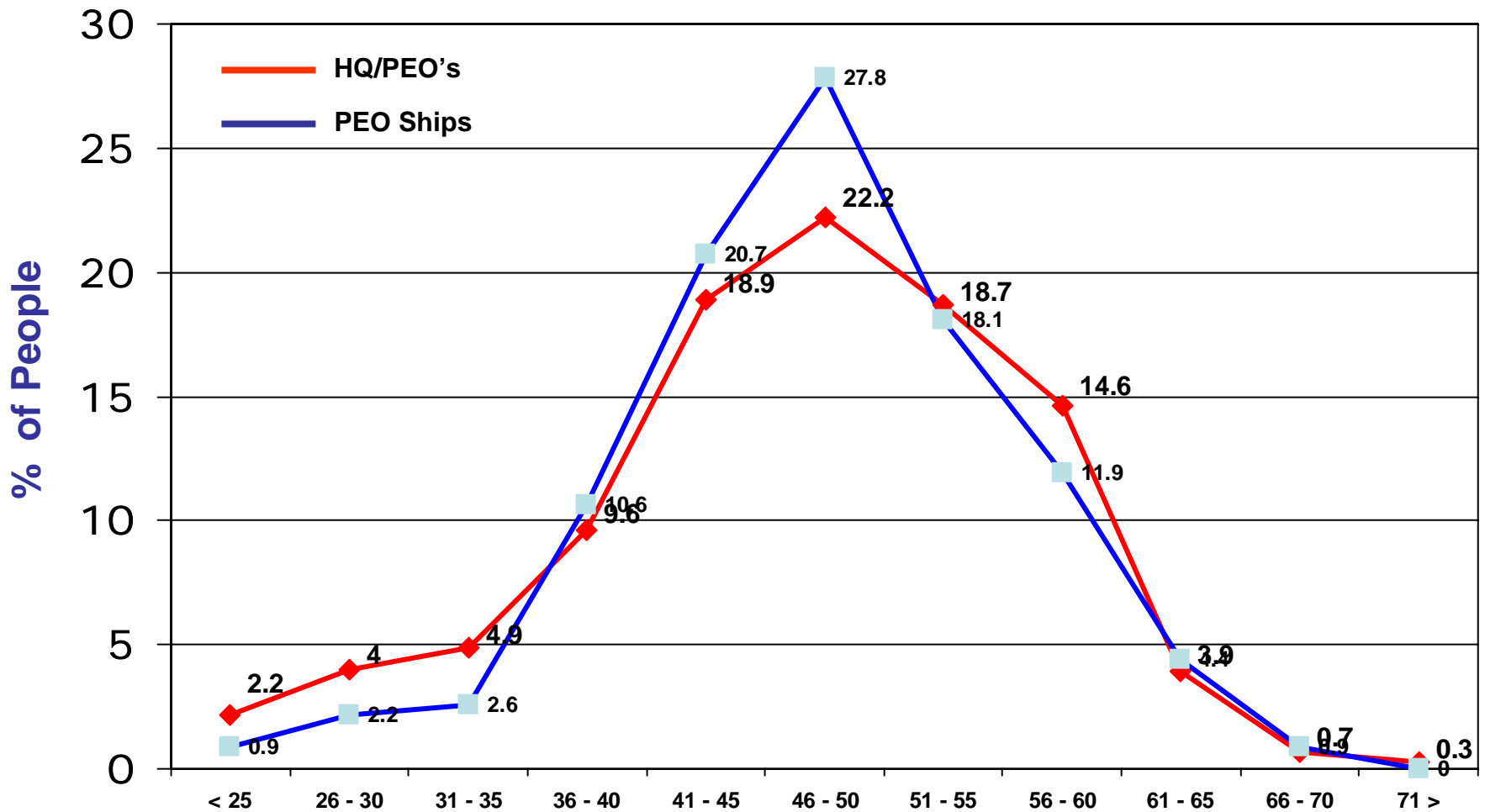


1995-2000: Avg 1 New Start /Yr. 2000-2004: Avg 3 New Starts /Yr

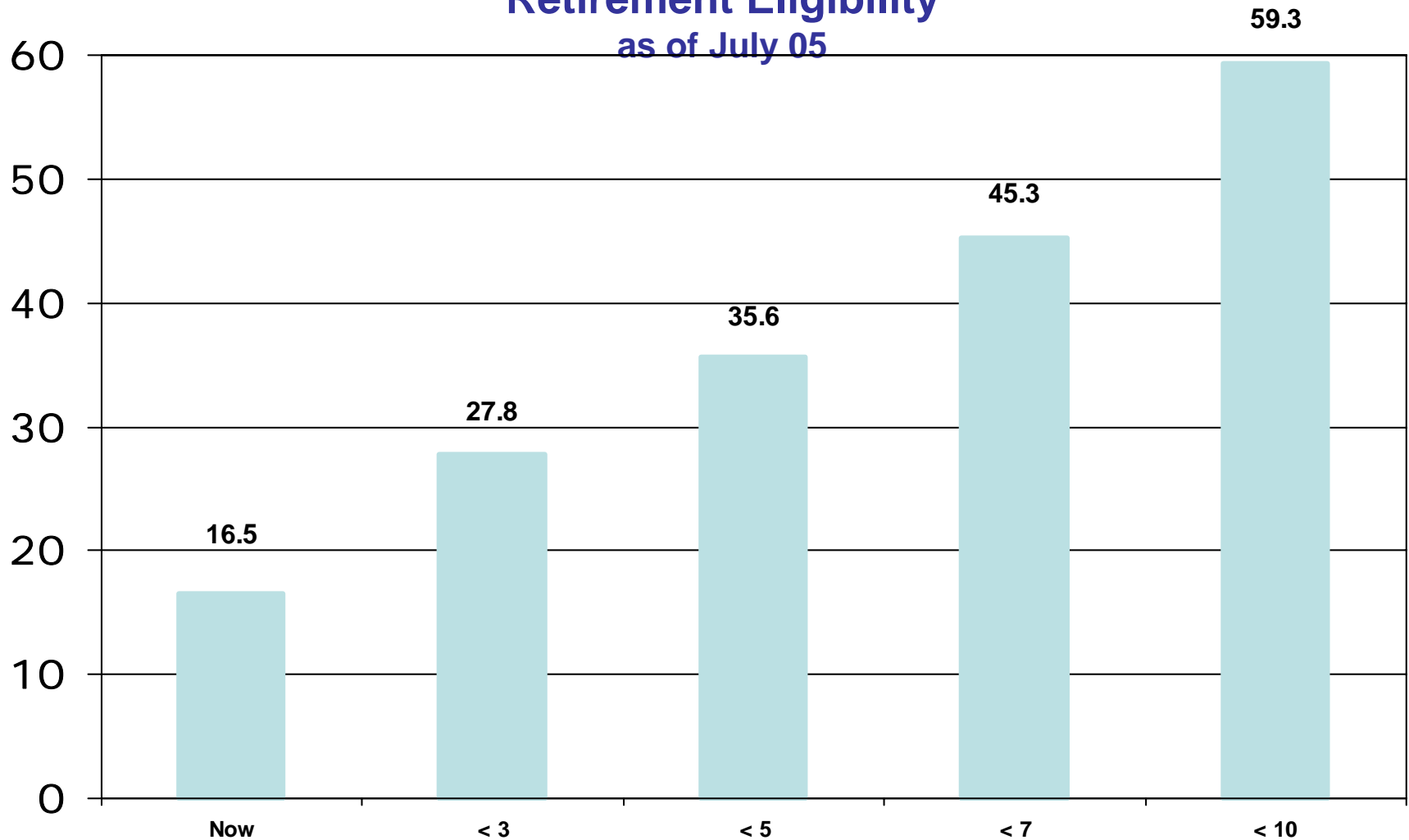
Average Age as of July 05



Average Age as of July 05



Retirement Eligibility as of July 05



- **Who will buy Naval Ships in 2010 and beyond?**
- **Do you see that as a problem?**
- **Where will the next generation of professionals come from?**
 - **What portion can be grown from newly graduated professionals?**
 - **Are they properly prepared by their institutions?**
 - **What portion must be mid career imports? From Where?**
 - **How do we attract, recruit and retain the best and brightest?**
 - **What are the impediments?**
 - **Do we have an image of an industry on the wane?**
- **Does our workforce picture look similar to your organizations?**
- **To what extent can Industry and Government work together to solve these problems to our mutual benefit?**



Questions?

Mission

PEO Ships acquires and supports the current and future Surface Fleet:

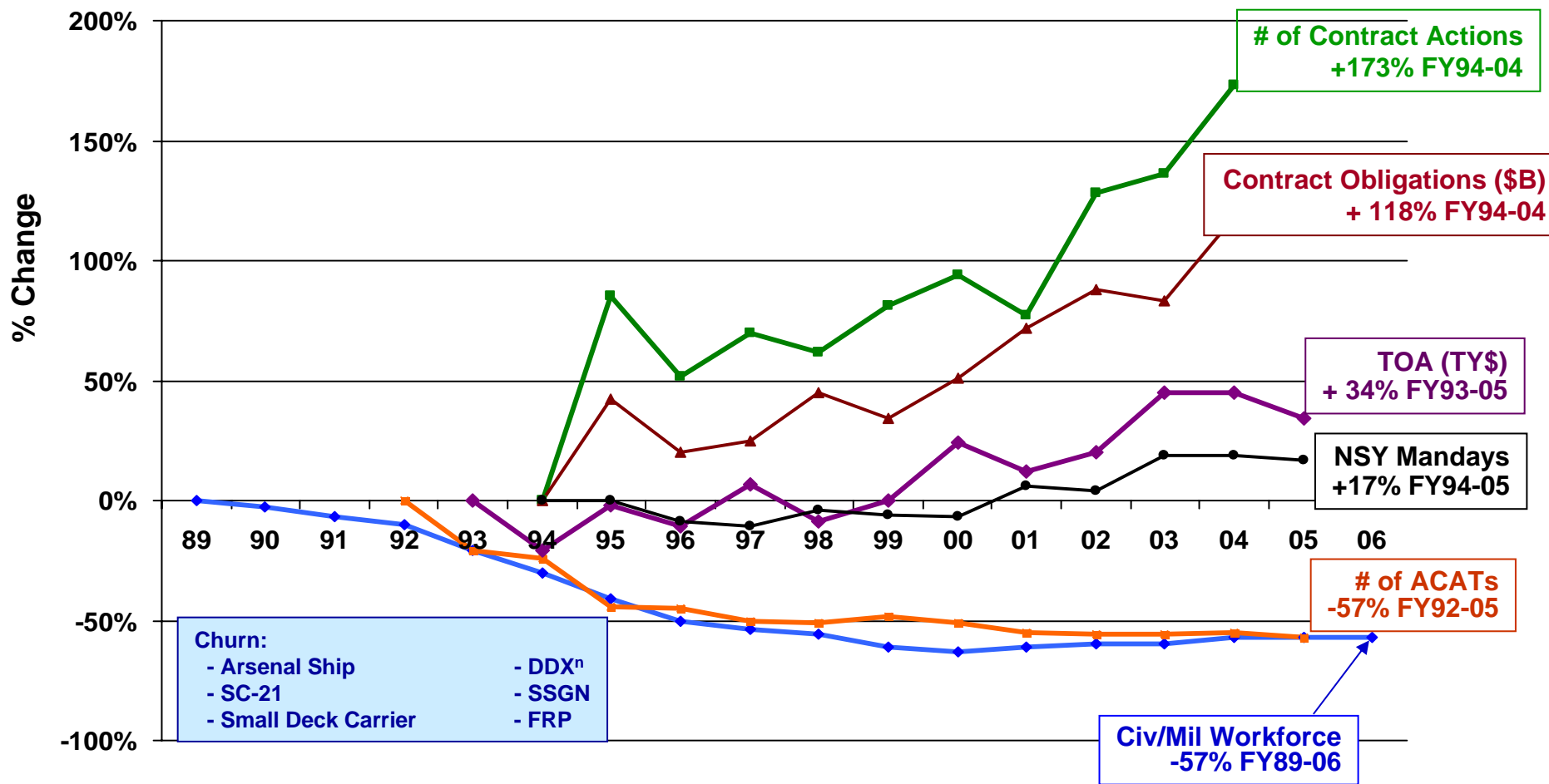
We translate warfighter requirements into combat capability, producing and supporting ships, boats, and craft from cradle to grave, enabling our nation and its allies to project presence in peace, power in war, and assure access anytime

Vision

PEO Ships is a focused Navy team, providing the world's best ship innovation, acquisition, lifecycle support, and disposal leadership



Manpower vs Workload % Change from Start Date

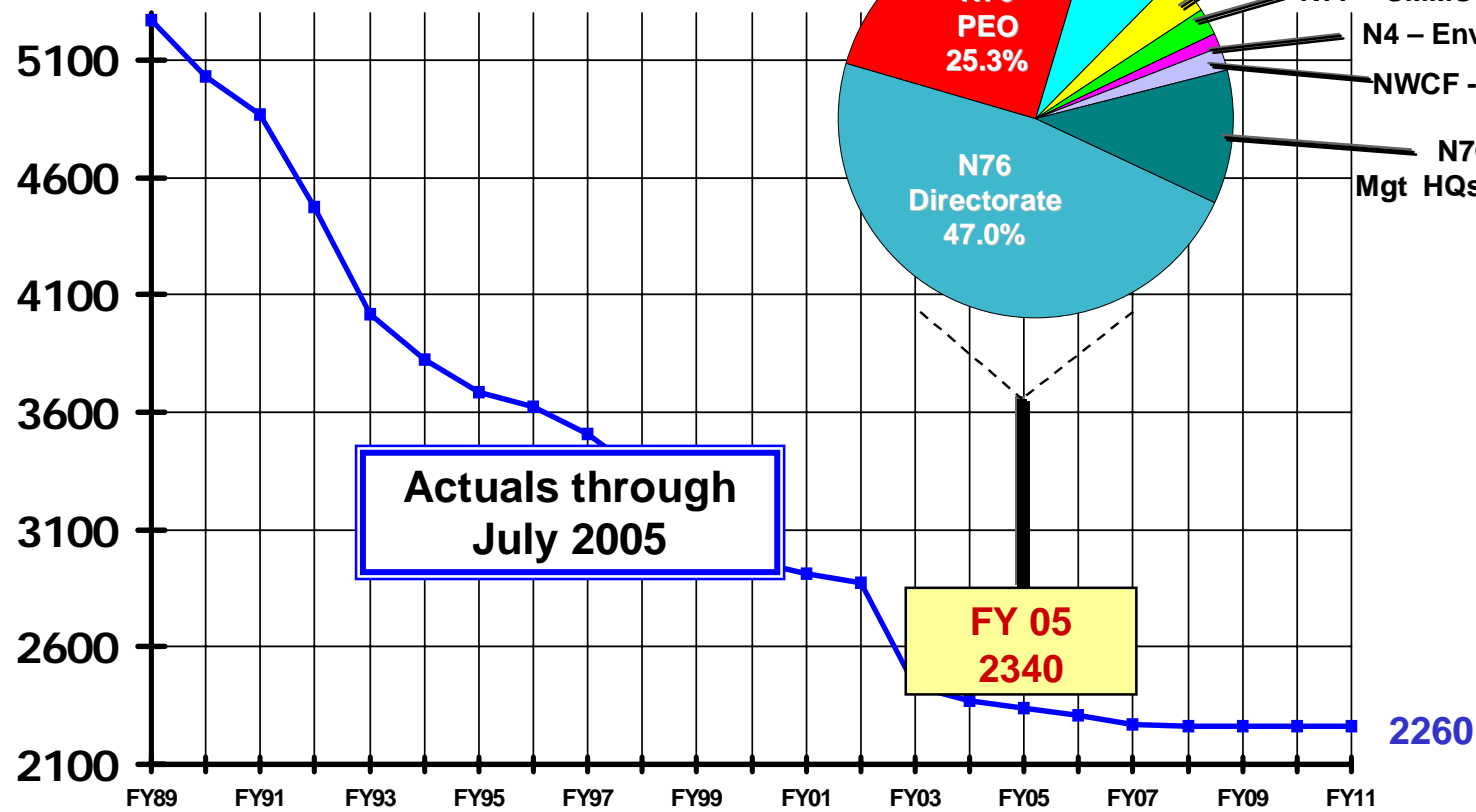


Workforce → : Workload steady to ↗

Directorate's/PEO's Civilian Manpower Profile

Breakdown by Sponsor

Civilians



FY 89-04 = Certified Actuals
 FY 05-11 = FY 07 DoN Budget (Jul 05)

ave

Average Age as of July 05

