



Defense Environmental Restoration Program

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(Installations & Environment)
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Agenda

Acquisition, Technology and Logistics

- Partnerships with States and EPA
 - State-led Munitions Response Forum
 - Formerly Used Defense Sites (FUDS) Forum
 - DSMOA Steering Committee
- FY2010 DERP Progress
- FY2012 President's Budget Request
- UXO Live Demonstration Project



Partnerships with States and EPA

Acquisition, Technology and Logistics

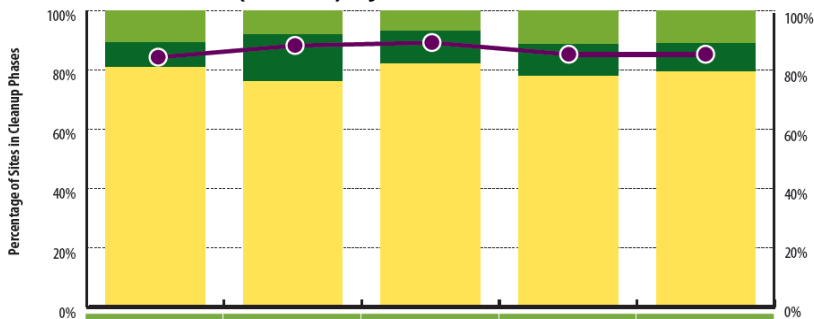
- State-led Munitions Response Forum
 - 4 White Papers – Collaborative decision making; emergency response; interim risk management; underwater munitions
- FUDS Forum
 - FUDS National Forum – May 24-26 in Chicago, IL
 - PRPs; inventory management; interim risk management; development of FUDS properties; use of outside technical support
- DSMOA Steering Committee
 - Focused on dispute resolution process and eligibility criteria
 - Signed 43 DSMOA Amendments adding National Guard sites to the DSMOA program



Cleanup Progress – Active Installations

IRP Site Status

Goal: Achieve remedy in place or response complete (RIP/RC) by the end of FY2014



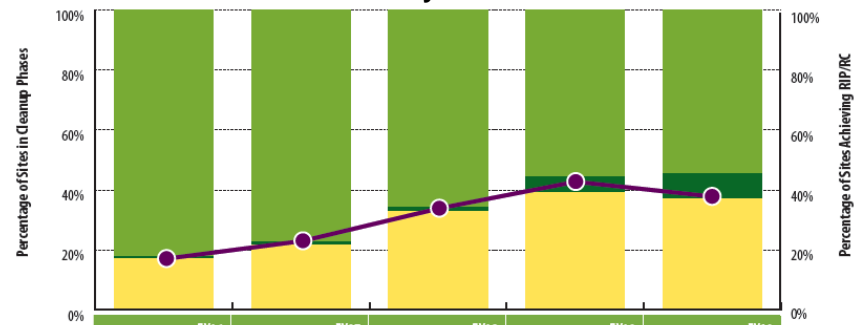
	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	2,127	1,606	1,360	2,457	2,392
Cleanup Planned or Underway	1,664	3,135	2,223	2,276	2,083
(Remedy in Place)*	(811)	(2,505)	(1,667)	(1,671)	(1,530)
Response Complete	16,035	15,097	16,260	16,600	17,053
(LTM Underway)†	(709)	(638)	(758)	(829)	(905)
Percent of Sites Achieving RIP/RC	85%	89%	90%	86%	86%
Total	19,826	19,838	19,843	21,333	21,528

* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

MMRP Site Status

Goals: Complete preliminary assessments by the end of FY2007; complete site inspections by the end of FY2010; achieve RIP/RC by the end of FY2020



	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	1,076	1,198	1,097	1,013	1,329
Cleanup Planned or Underway	8	15	23	96	199
(Remedy in Place)*	(0)	(12)	(11)	(60)	(31)
Response Complete	226	337	550	718	905
(LTM Underway)†	(3)	(2)	(2)	(9)	(7)
Percent of Sites Achieving RIP/RC	17%	23%	34%	43%	38%
Total	1,310	1,550	1,670	1,827	2,433

* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.



Cleanup Progress -- FUDS

IRP Site Status

Goal: Achieve RIP/RC by the end of FY2020

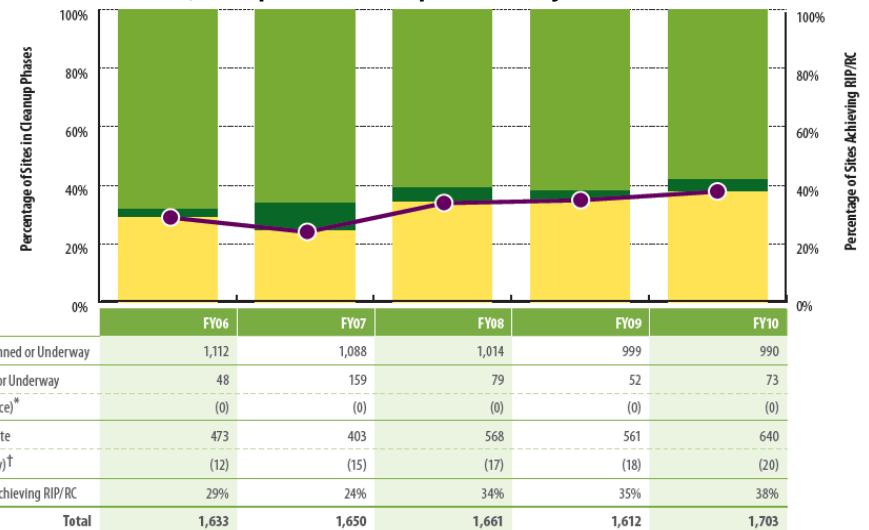


* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

MMRP Site Status

Goals: Complete preliminary assessments by the end of FY2007; complete site inspections by the end of FY2010



* Remedy in Place is a subset of Cleanup Planned or Underway.

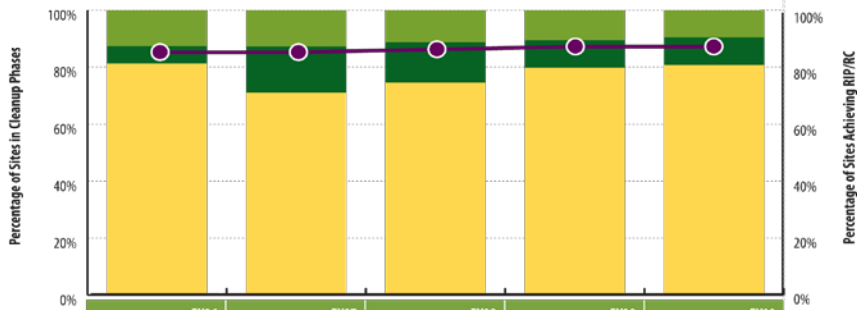
† LTM is a subset of Response Complete.



Cleanup Progress – Legacy BRAC

IRP Site Status

Goal: Achieve RIP/RC by the end of FY2015



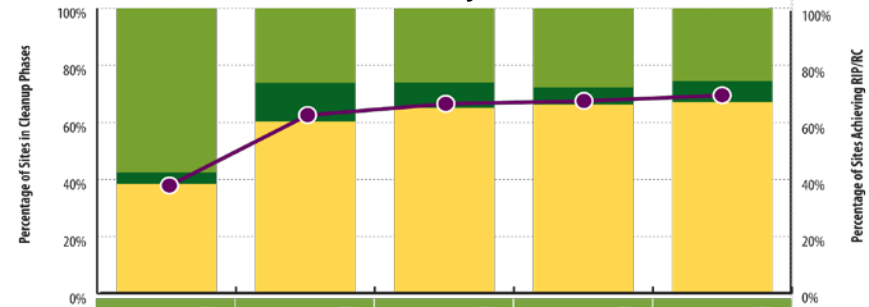
	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	626	636	560	529	474
Cleanup Planned or Underway	295	806	704	478	484
(Remedy in Place) [*]	(218)	(730)	(623)	(386)	(360)
Response Complete	3,994	3,520	3,701	3,968	3,995
(LTM Underway) [†]	(362)	(368)	(399)	(388)	(374)
Percent of Sites Achieving RIP/RC	86%	86%	87%	88%	88%
Total	4,915	4,962	4,965	4,975	4,953

* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2009



	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	183	74	74	79	73
Cleanup Planned or Underway	13	38	25	17	21
(Remedy in Place) [*]	(0)	(7)	(6)	(4)	(9)
Response Complete	122	170	184	188	191
(LTM Underway) [†]	(11)	(17)	(17)	(20)	(19)
Percent of Sites Achieving RIP/RC	38%	63%	67%	68%	70%
Total	318	282	283	284	285

* Remedy in Place is a subset of Cleanup Planned or Underway.

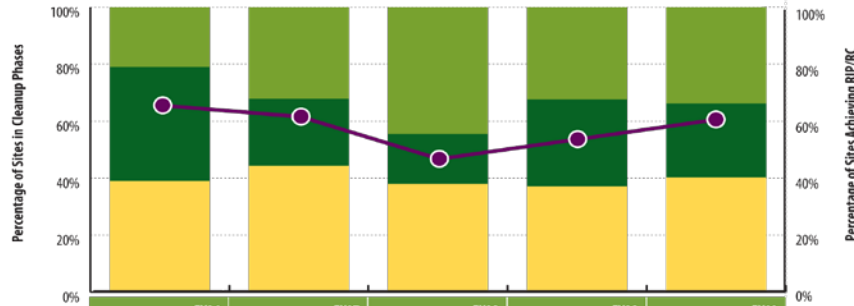
† LTM is a subset of Response Complete.



Cleanup Progress – BRAC 2005

IRP Site Status

Goal: Achieve RIP/RC by the end of FY2014

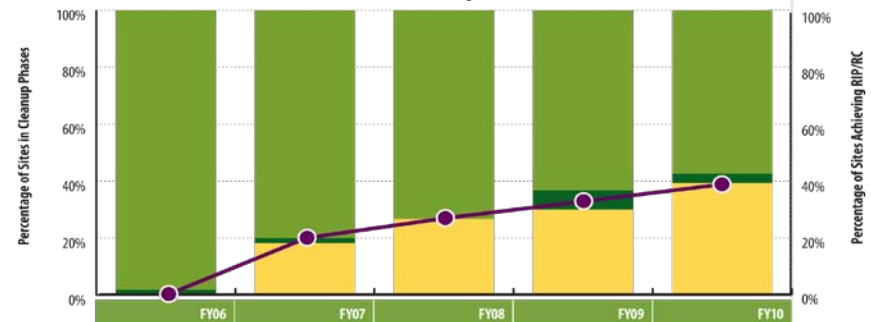


	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	20	37	61	49	59
Cleanup Planned or Underway (Remedy in Place)*	38 (26)	27 (20)	24 (13)	46 (25)	45 (36)
Response Complete (LTM Underway)†	37 (19)	51 (17)	52 (24)	56 (20)	70 (29)
Percent of Sites Achieving RIP/RC	66%	62%	47%	54%	61%
Total	95	115	137	151	174

* Remedy in Place is a subset of Cleanup Planned or Underway.
† LTM is a subset of Response Complete.

MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2017

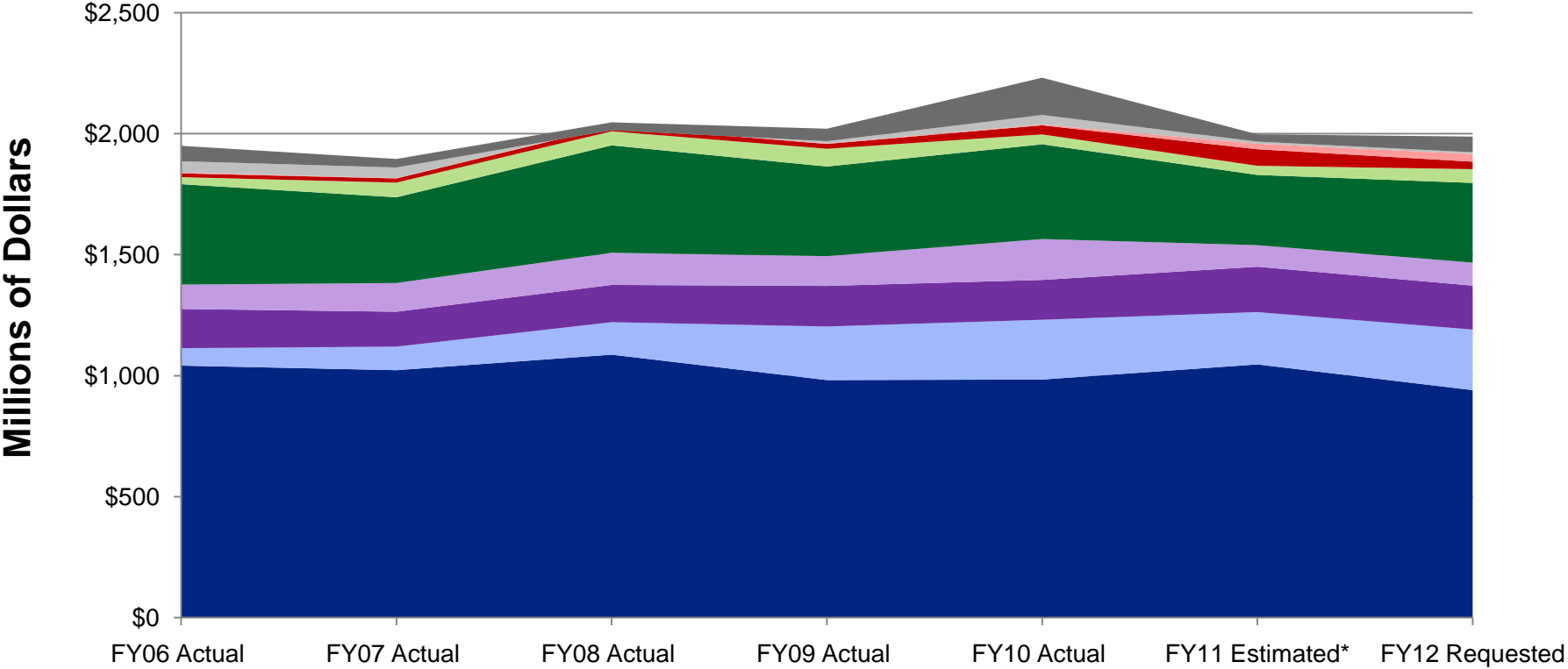


	FY06	FY07	FY08	FY09	FY10
Investigation Planned or Underway	54	44	44	38	35
Cleanup Planned or Underway (Remedy in Place)*	1 (0)	1 (1)	0 (0)	4 (2)	2 (0)
Response Complete (LTM Underway)†	0 (0)	10 (0)	16 (0)	18 (0)	24 (1)
Percent of Sites Achieving RIP/RC	0%	20%	27%	33%	39%
Total	55	55	60	60	61

* Remedy in Place is a subset of Cleanup Planned or Underway.
† LTM is a subset of Response Complete.



Cleanup Funding

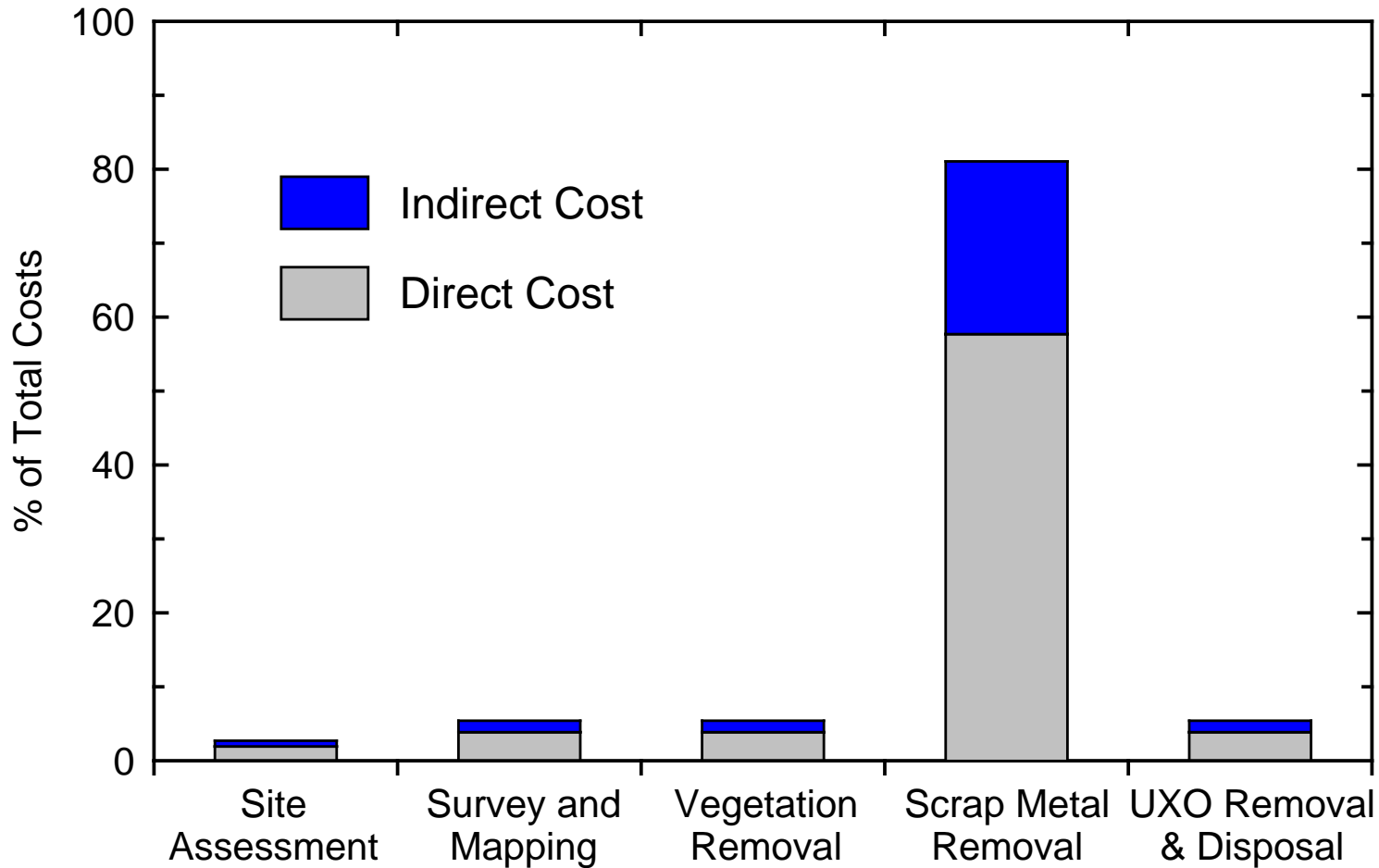


- Active IRP
- FUDS IRP
- Legacy BRAC IRP
- BRAC 2005 IRP
- Legacy BRAC Planning, Compliance, and Other^
- Active MMRP
- FUDS MMRP
- Legacy BRAC MMRP
- BRAC 2005 MMRP
- BRAC 2005 Planning, Compliance, and Other^

* Reflects an adjustment to match the Annualized Continuing Resolution funding level
 ^ Other may include revenue gained from land sales or execution of prior year funding



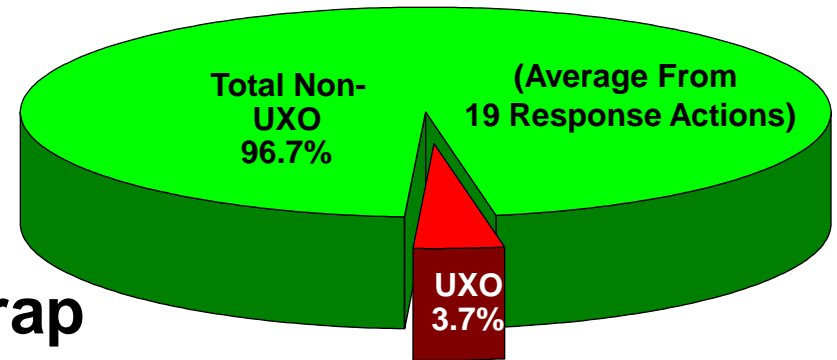
Defense Science Board UXO Clean-up Cost Break Out





Why Discriminate?

- **Excavation of suspected UXO drives cost and time**
- **Less than 4% of excavations are UXO**
 - Usually <1%
 - Ex. Camp Butner
 - o 7 items out of > 100,000 digs
- **Most items are harmless scrap**
- **Technology can now discriminate UXO from scrap**
 - Result of a decade of R&D
 - Proof of concept demonstrated at three real live sites (FUDS)





Live Site UXO Discrimination Demonstrations

➤ **Goals:**

- Accelerate the pace of cleanup
- Reduce Risk
- Reduce Cost

➤ **Objectives:**

- Make sure the technology works -- different munitions, depths, and terrains
- Establish operational procedures and costs
- Train government and contractor community
- Gain regulatory acceptance



Demonstrations to Date

➤ **Completed**

- Former Camp Sibert, AL – simple site, single munitions type
- Former Camp San Luis Obispo, CA – more difficult, mix of munitions
- Former Camp Butner, NC – small munitions (37 mm)

➤ **Ongoing**

- Mare Island Naval Shipyard, CA – industrial site
- Pole Mountain, WY – case study in implementation
- Former Camp Beale, CA – trees, restricted access
- Site TBD

➤ **Planned – additional demonstrations in FY12, FY13, and FY14**



Live Site UXO Discrimination Demonstrations

Acquisition, Technology and Logistics

What are we asking of the States?

- Participate as site team members – both technical and policy representatives
- Host training opportunities
- Assist in implementation of the demonstrated technologies at your sites
- Nominate demonstration sites
- Engage more states



What's Next for Cleanup

Acquisition, Technology and Logistics

- What is after the Goal to have all of the Remedies in Place or Responses Complete by the end of Fiscal Year 2014?
- Focus on the latter phases of the cleanup program
 - Achieving Response Complete (RC)?
 - What are our Long-term Management requirements?
 - What is Site Close Out? How do we get there?
- The next generation of metrics will:
 - Drive programming, planning, budgeting, and execution
 - Help the DoD Components defend their budgets



Questions?

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<https://www.denix.osd.mil/portal/page/portal/denix>



Backup/Information slide



Federal Facility Agreement Update

Acquisition, Technology and Logistics

- DoD and EPA are required to enter into an Interagency Agreement (IAG) or Federal Facility Agreement (FFA) at federal facilities on the EPA National Priorities List (NPL)
- DoD has 141 installations listed on the EPA's NPL
 - 137 have signed FFAs
 - Under negotiation:
 - o Andrews Air Force Base, MD
 - o Redstone Arsenal, AL
 - o Air Force Plant 44, AZ
 - o Tyndall Air Force Base, FL
- DoD continues to work with EPA and state regulators at these sites to advance cleanup progress