



UST Program Overview

NISTM Conference
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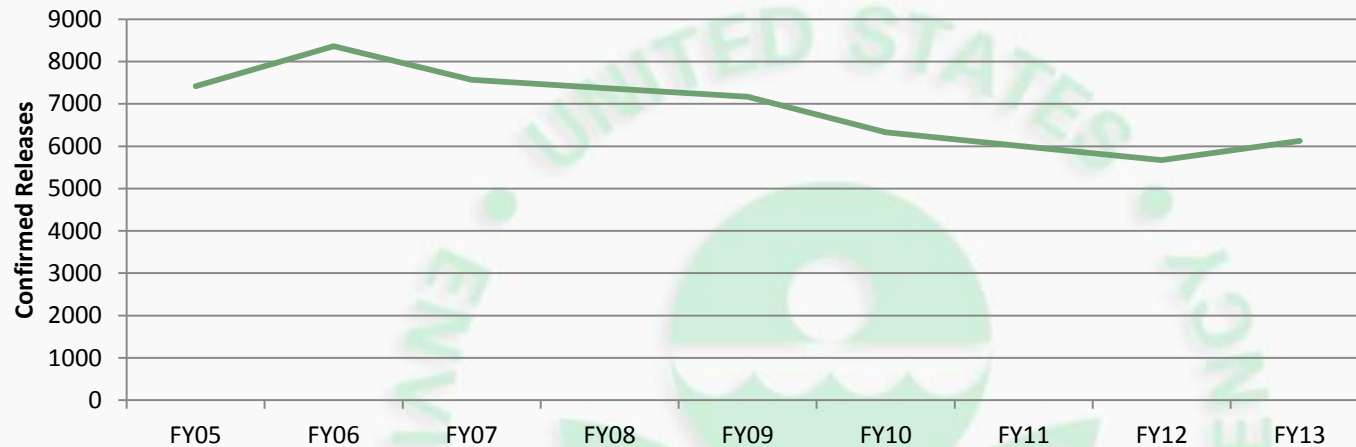
Release Prevention

- Recent Trends
- Updating Regulations
- Biofuels and other Emerging Fuels
- Energy Policy Act of 2005

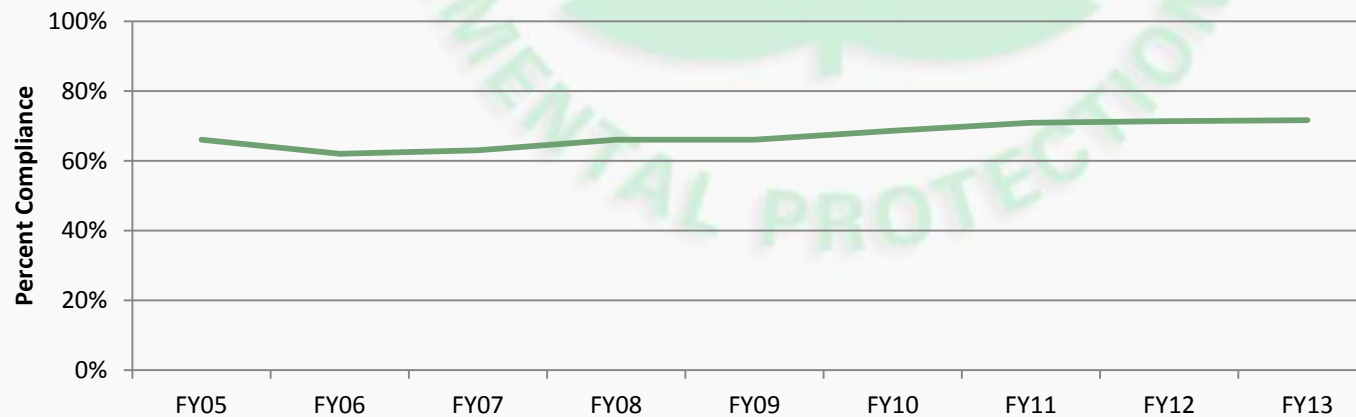


Recent National Trends

UST Confirmed Releases



UST Compliance Rate



Updating Regulations – Timeline

- Timeline of Current Regulation Updates
 - 2009 – 2011 Stakeholder Outreach
 - November 2011 – Proposed Regulations Published
 - April 2012 – Comment Period Closed
 - April 2012 until Now – Considering comments, working with stakeholders, drafting final regulations
 - Summer 2014 (anticipated) – Submit to OMB for interagency review
 - Fall 2014 (anticipated)- Final regulations published

Updating Regulations - Proposed Changes

- Focused on O&M, not retrofits
 - Monthly walk-through inspections
 - Regular testing to ensure operability
 - Spill buckets, overfill, release detection, interstitial space
 - Address previously deferred tanks
 - Emergency generators, airport hydrant systems, etc.
 - Ensure parity in Indian country
 - Implementing Energy Policy Act provisions

Updating Regulations - Feedback

- Nearly 200 commenters
 - Lot of support for concept
 - Concern about cost
 - Too stringent/lenient
 - Lot of individual suggestions
- Very helpful feedback. Will lead to a better final product

Updating Regulations - Primary Concerns

- Walkthrough Inspections
 - Safety and costs of lifting sump lids every 30 days
- Interstitial Integrity Tests
 - Practicality and cost
 - Reverse incentive
- Groundwater and Vapor Monitoring
 - Relied upon heavily in a few states
- Deferrals
 - Feasibility of release detection for airport hydrant systems
 - Wastewater Treatment Tanks: Uncertainty about universe and associated risk

Emerging Fuels

- Pose Unique Challenges For
 - Compatibility
 - Cleanup
- Ethanol
 - Working to ensure compatibility
 - Guidance and draft regulations
 - Autopsies
 - Research
 - ORNL
 - Sumps
 - Leak Detection



Photo Courtesy of FL DEP

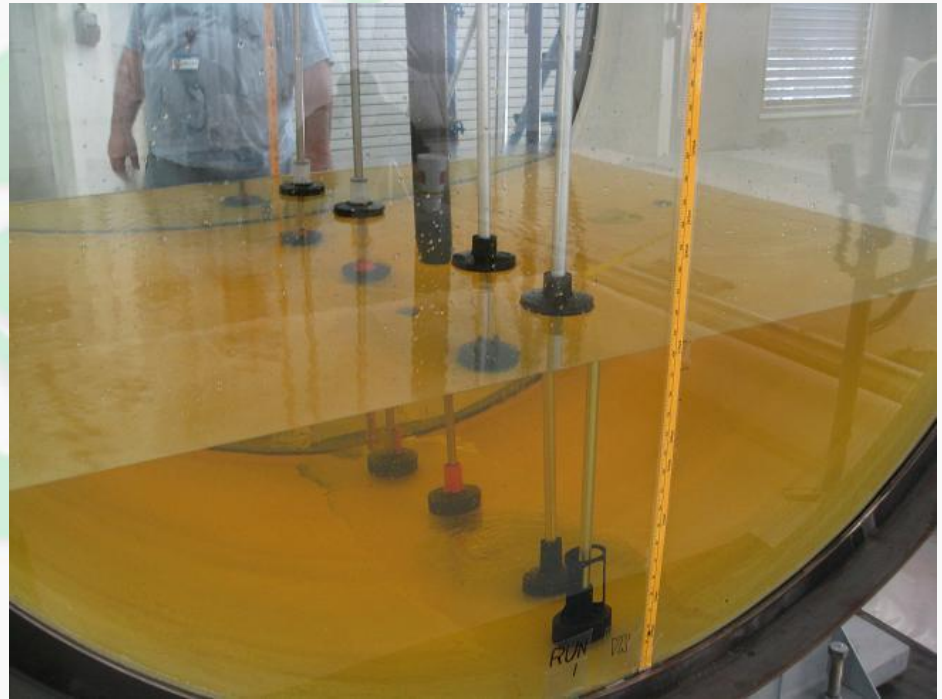
Emerging Fuels – cont.

- ULSD
 - CFDA/Battelle/Tanknology study
 - EPA study this summer/fall
 - Geared toward solutions



Emerging Fuels – cont.

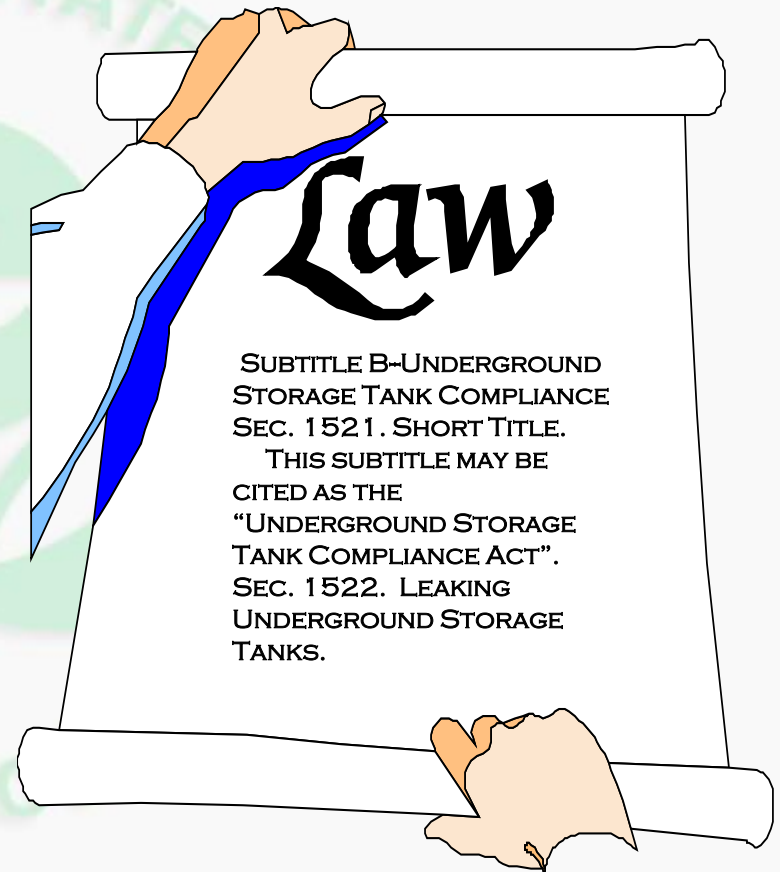
- Ultra Low Sulfur Gasoline
- Biobutanol
- Next!?



Battelle Testing Tank for Leak Detection Technologies in Biofuel Blends Suitability Assessment Project

Energy Policy Act

- Focus of the program for past 10 years
- Substantial benefits
- Key Provisions
 - 3-year inspections
 - Operator training
 - Secondary containment
- Nearly all states in compliance
- 3-year inspections are challenge to maintain.



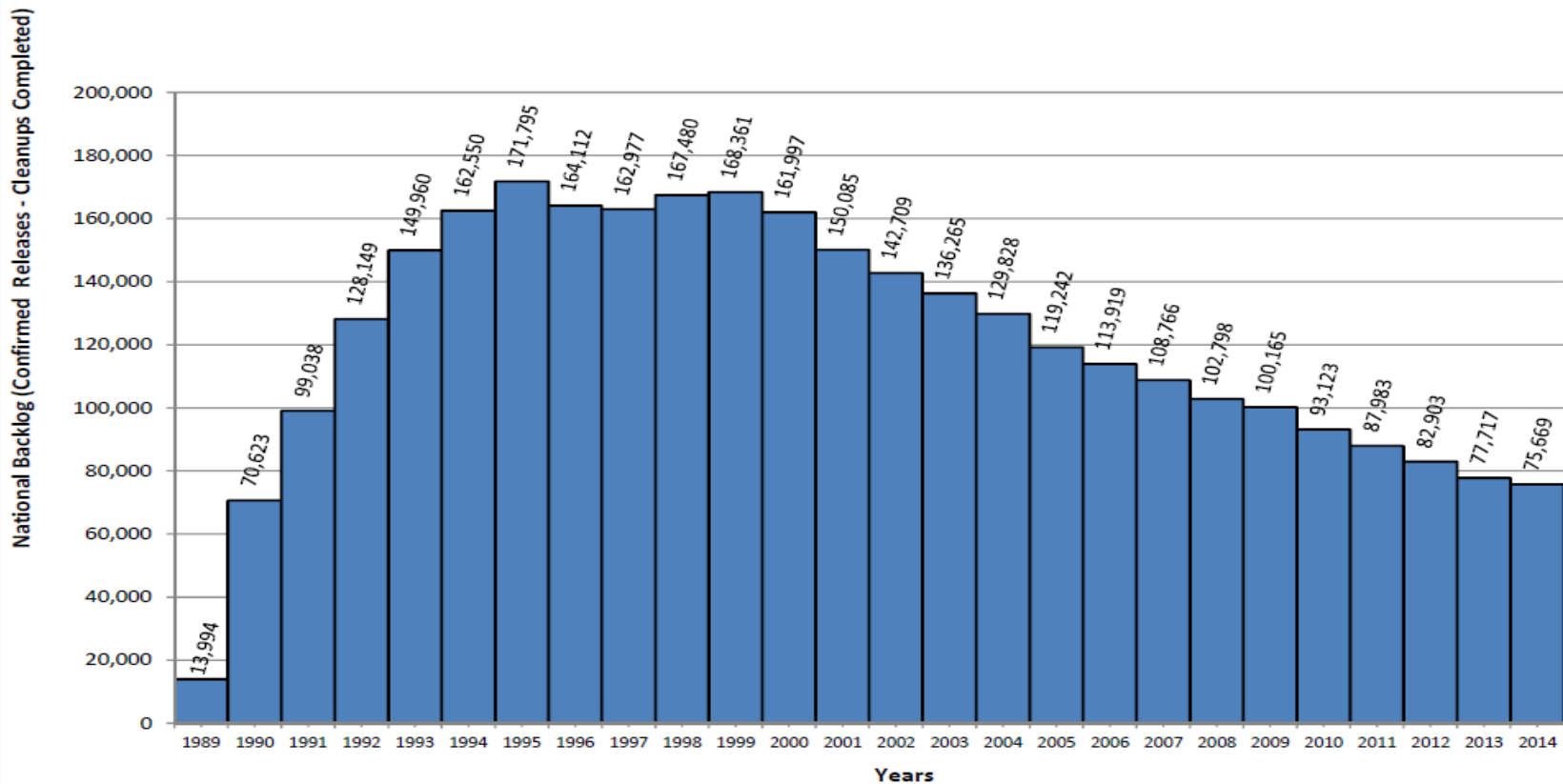
Cleanup

- Trends
- Backlog Reduction
 - State Fund Soundness
 - Other Funding Sources
 - Science/Technology



Trends

UST National Backlog:
FY 1989 Through Mid-Year
FY 2014



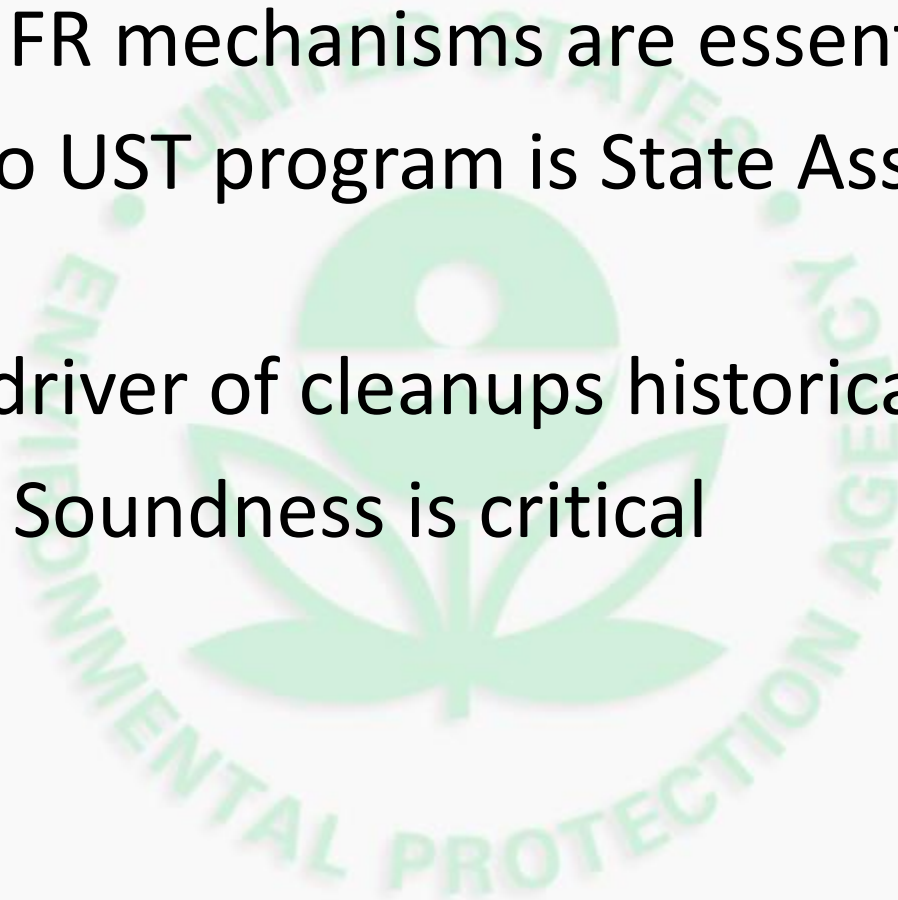
Reducing the Backlog

- 441,648 cleanups completed
- 75,669 cleanups remaining to be completed
- Backlog Reduction Opportunities:
 - Accelerating Corrective Action
 - Move sites forward faster
 - Pursue Targeted Initiatives
 - E.g., abandoned tank program
 - Improve Program Implementation
 - Ensure FR mechanisms are sound

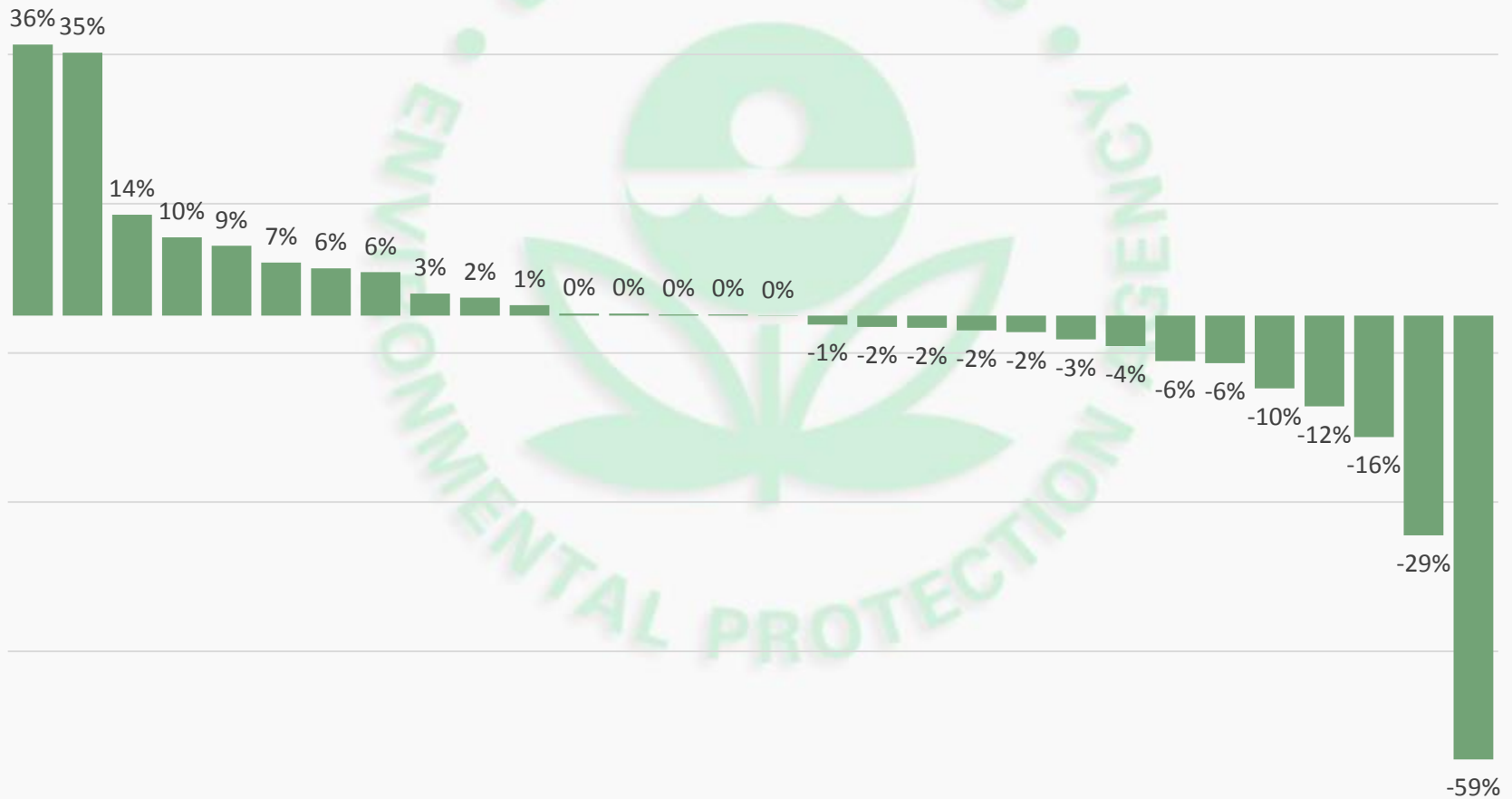


Backlog Reduction: State Funds

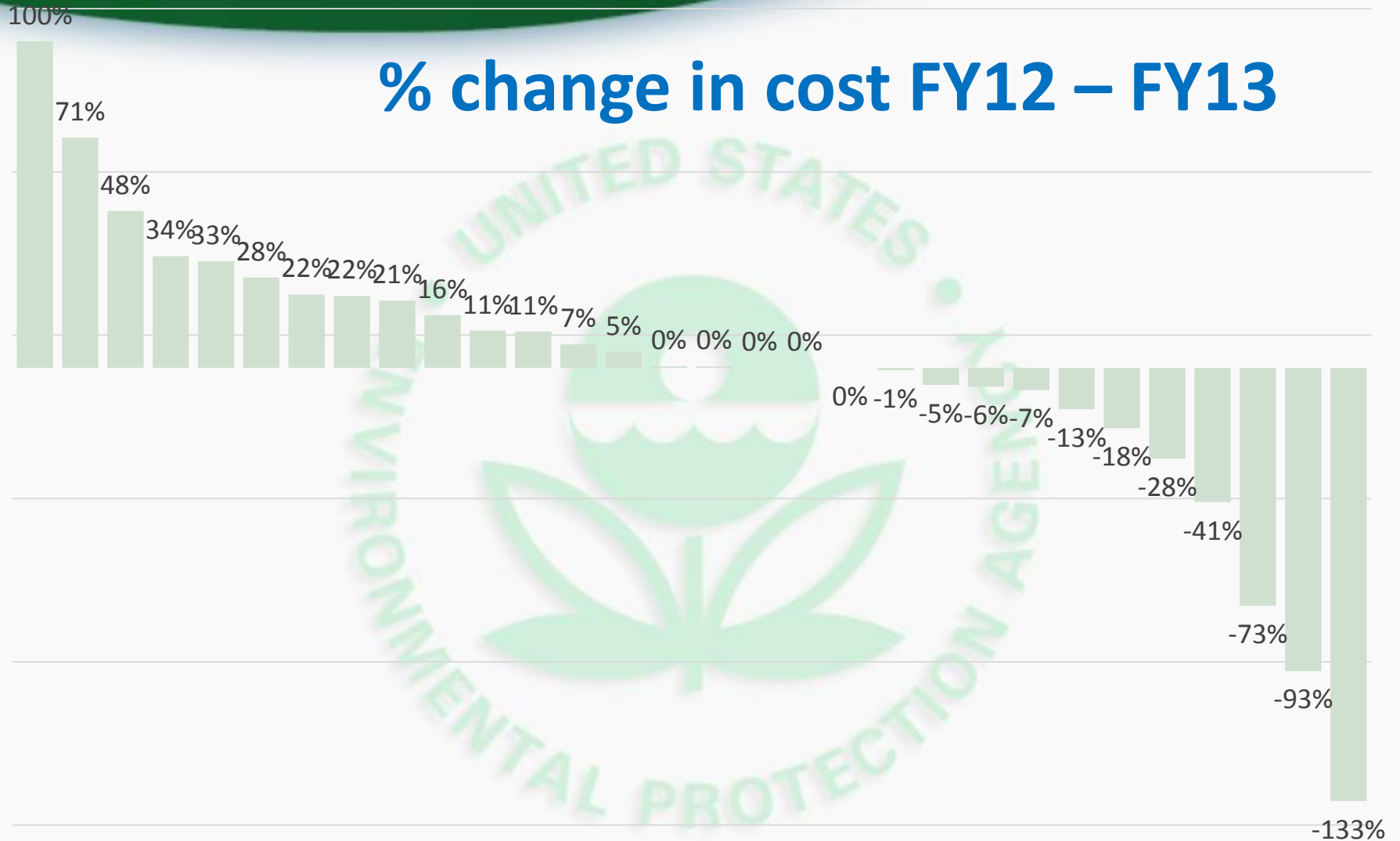
- Effective FR mechanisms are essential
- Unique to UST program is State Assurance Funds
- Primary driver of cleanups historically
- Ensuring Soundness is critical



% change in income FY12 – FY13



% change in cost FY12 – FY13



Backlog Reduction: Other Funding Sources

Petroleum Brownfields

- Redevelopment can be a major driver in addressing abandoned sites
- Opportunities abound



Before: Abandoned Station

Abandoned Tank Programs

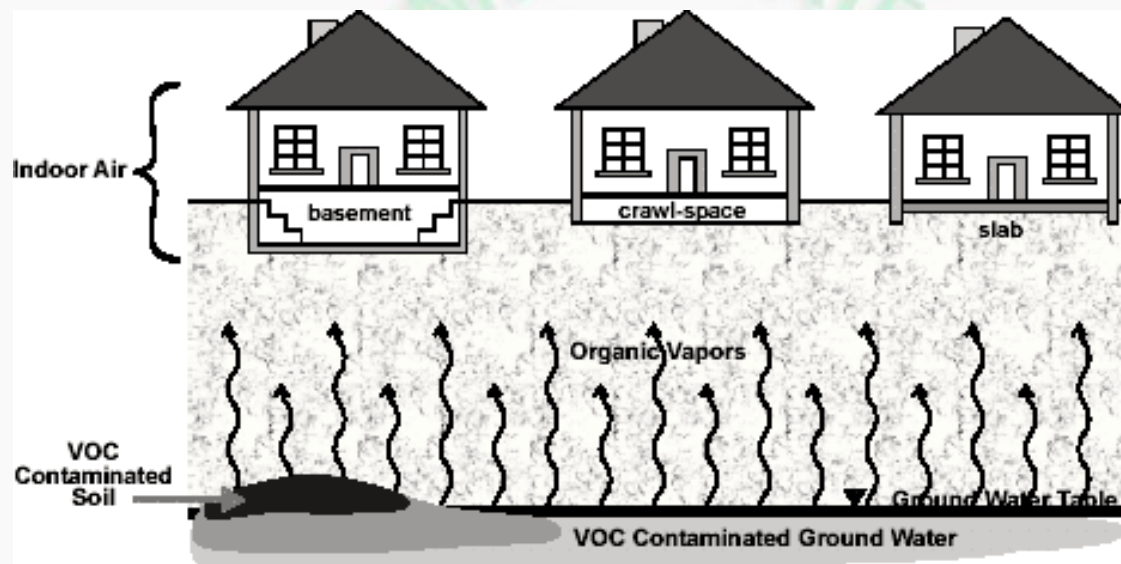
- Dedicated funds
- Contribution from state funds
- Settlement resources



After: New Fire Station

Backlog Reduction: Science and Technology

- Petroleum Vapor Intrusion Guidance



- Optimization
- Education

Collaboration and Partnership

The challenge is large . . .



. . . but the community is strong.

Contact Information

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