



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Environmental Cleanup & Brownfields

Bureau of Environmental Cleanup and Brownfields (BECB) Overview

Citizens Advisory Council
September 18, 2018

BECB

- Cleanup Standards Division – Land Recycling (Voluntary Cleanup Program), Brownfields, Soil and Groundwater Standards
- Site Remediation Division – State Superfund, Federal Superfund, Storage Tank Cleanup, MSA & DoD Cleanup, Natural Resource Damage
- Storage Tanks Division – AST and UST Technical Std, Certified Installers and Inspectors, Registration and Permitting

Land Recycling / Brownfields

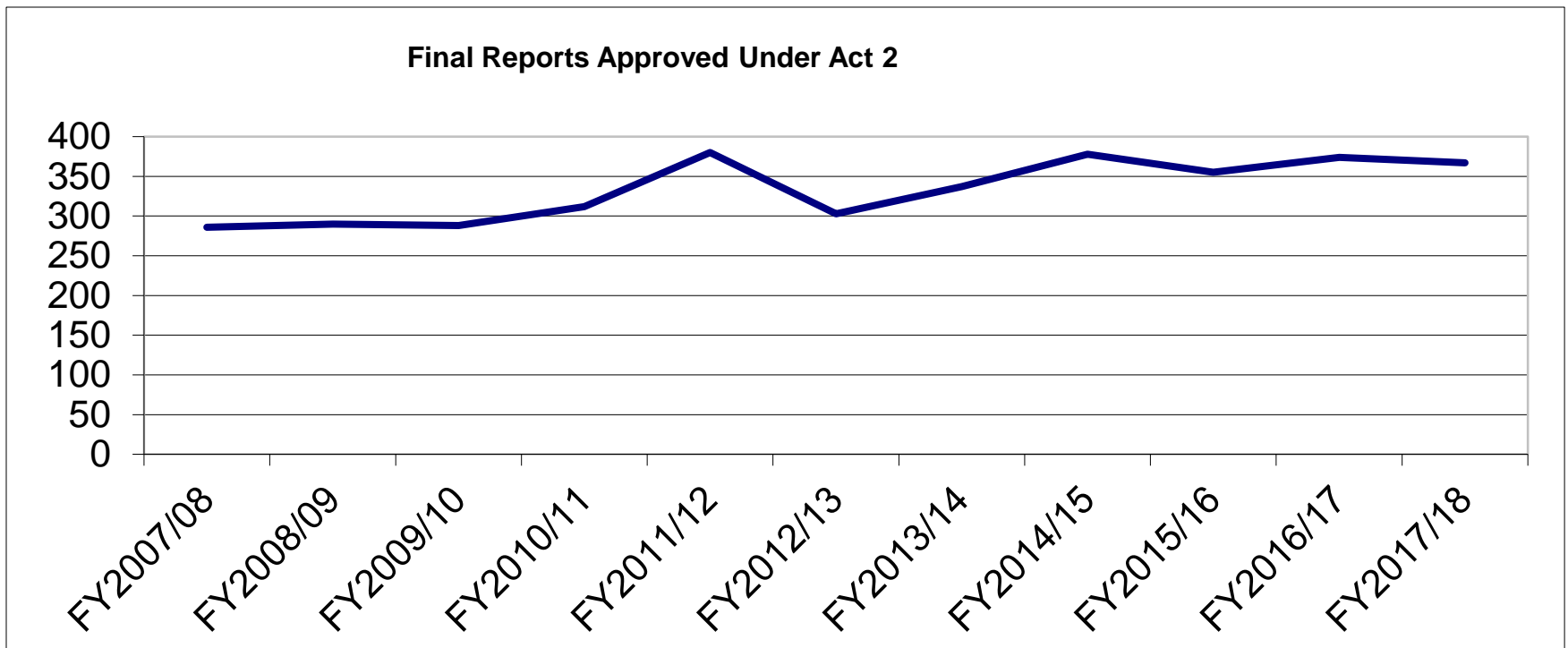
- Three-bill package signed into law on May 19, 1995
 - Act 2 - Land Recycling and Environmental Remediation Standards Act
 - Act 3 - The Economic Development Agency and Lender Environmental Liability Protection Act
 - Act 4 - The Industrial Sites Environmental Assessment Act
- Uniform Environmental Covenants Act, Act 68 of 2007

Main Characteristics of Act 2

- Encourage remediators to perform voluntary cleanups, but standards apply if ordered.
- Three cleanup standards available (Background, Statewide Health, Site-Specific), plus Special Industrial Area designation.
- Liability Relief applies to area addressed in final report.
- Cleanups can include containment remedies, require Environmental Covenant.

Land Recycling Workload

Over the 22-year history of the LRP, DEP has approved over 6,687 actions; 367 Final Reports were approved in FY2017.

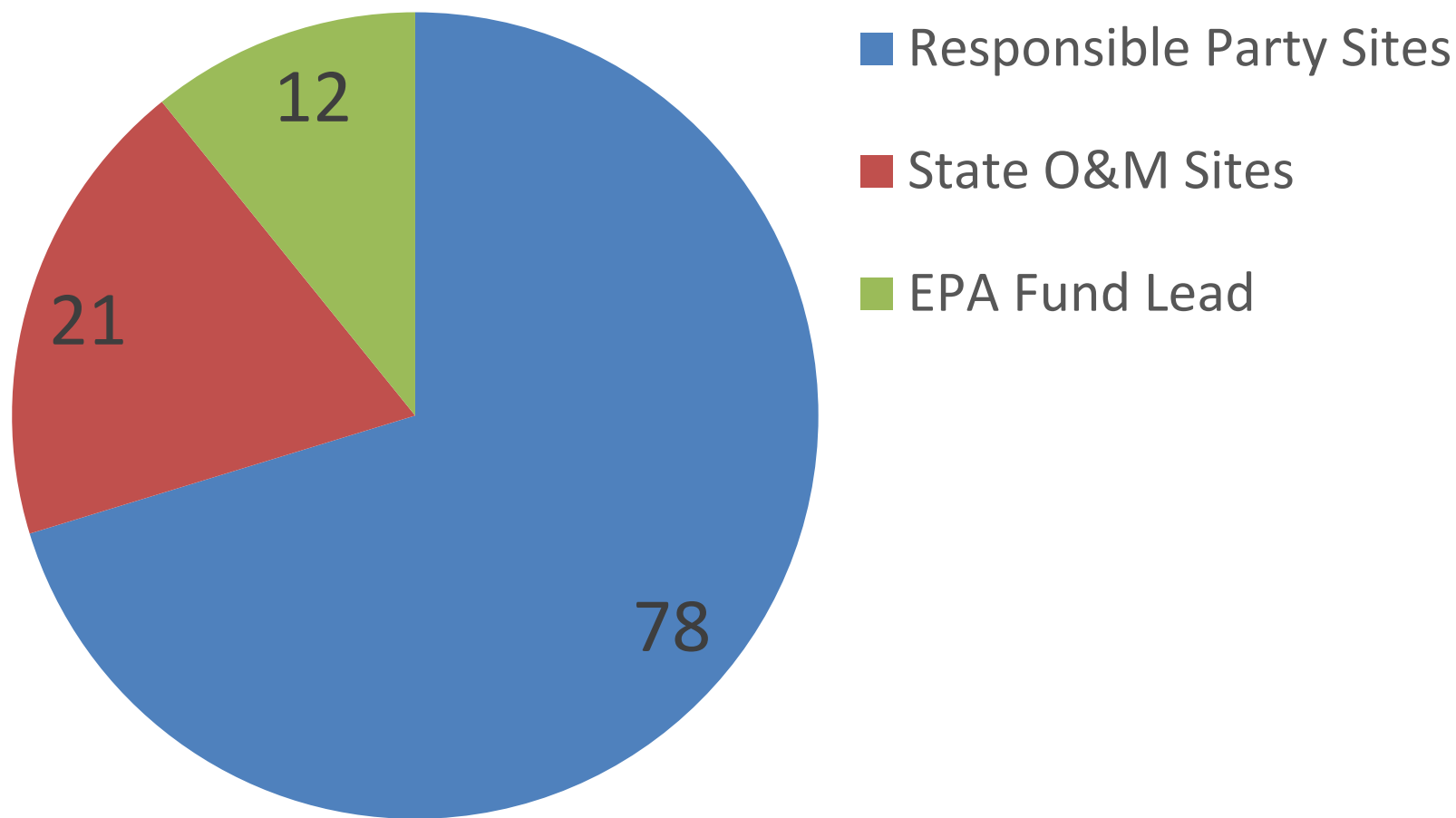


“Superfund” Cleanups

HSCA, Act 108 of 1988:

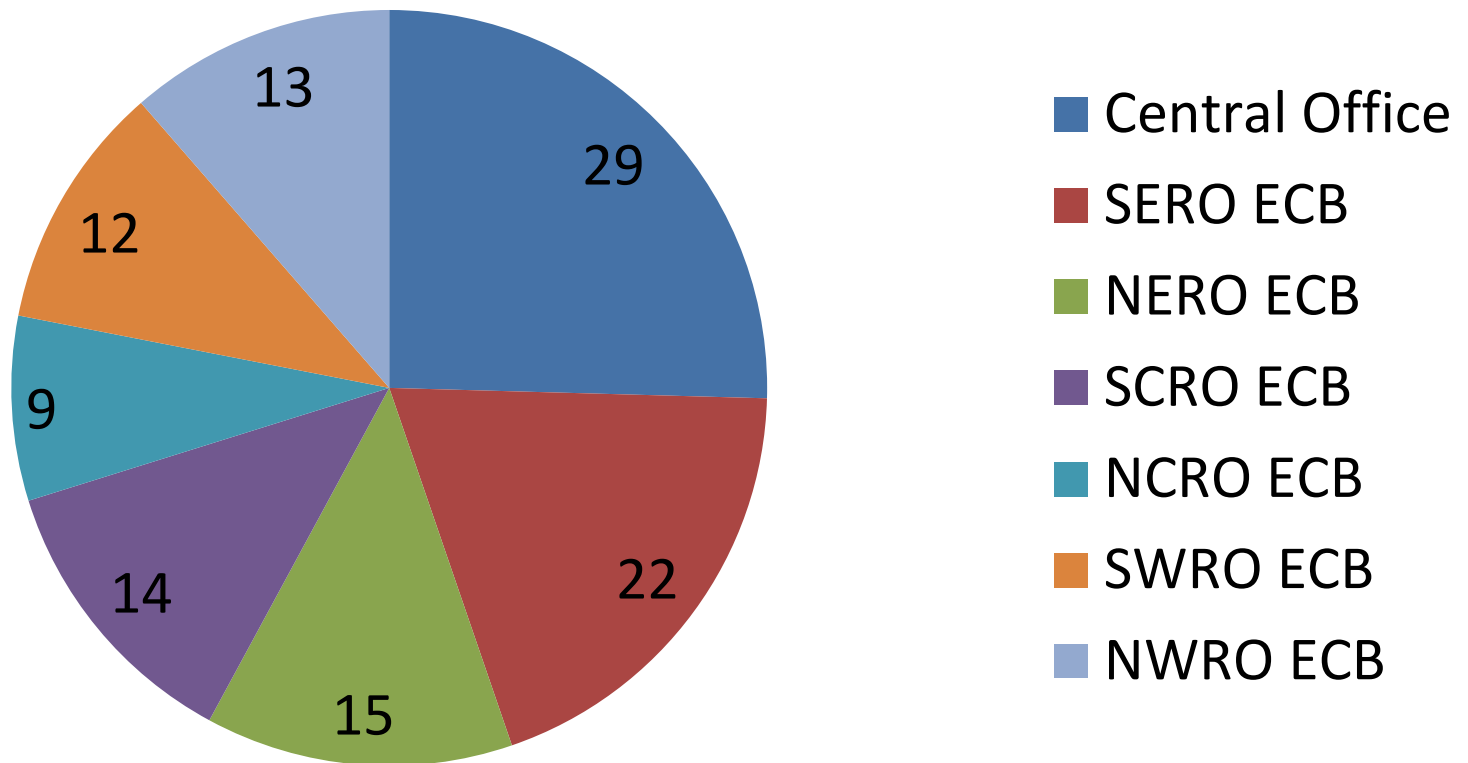
- Provides funding and authority to conduct (or enforce) state cleanup actions to mitigate releases of hazardous substances and contaminants.
- Allows PA to participate in the cleanup of sites under the Federal Superfund Program.
- Hazardous waste facility siting and hazardous substance reduction provisions.

PA's National Priority List (NPL) Breakdown



ECB HSCF Personnel

ECB Personnel (114 positions)



Storage Tanks

Pennsylvania regulates both Aboveground (AST) and Underground (UST) Storage Tanks.

- 22,144 USTs
 - 240 to 60,000 gallons in capacity
 - Philadelphia County has most (1,328)
 - Forest County has least (17)
- 17,712 ASTs
 - 255 to 21 million gallons in capacity
 - 1913 oldest install date
 - Allegheny County has most (1,862)
 - Sullivan County has least (2)

Storage Tanks

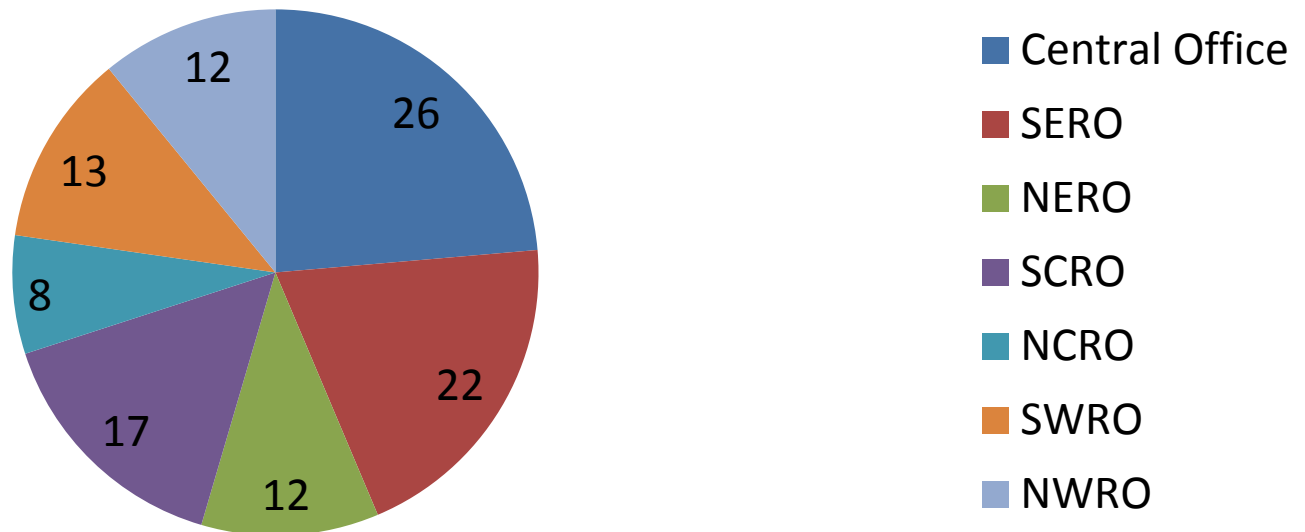
- Oversee over 879 certified individuals and 347 certified companies.
- Annually perform over 5,000 inspections and respond to over 200 complaints.
- From October 1, 2017, through March 31, 2018, Pennsylvania ranked 7th in the highest number of inspections performed in the nation, and more than DC, DE, MD, VA, and WV combined.

Storage Tank Releases

- Pennsylvania has had over 17,000 confirmed UST and AST releases and has overseen over 15,700 cleanups.
- Currently oversee 28 state-led UST cleanups sites using USTIF allocations.

Storage Tank Personnel

Personnel (110 positions)



- 76% of staff in Field Operations
- 650 facilities/DEP inspector
- 70 Corrective Action cases/project officer

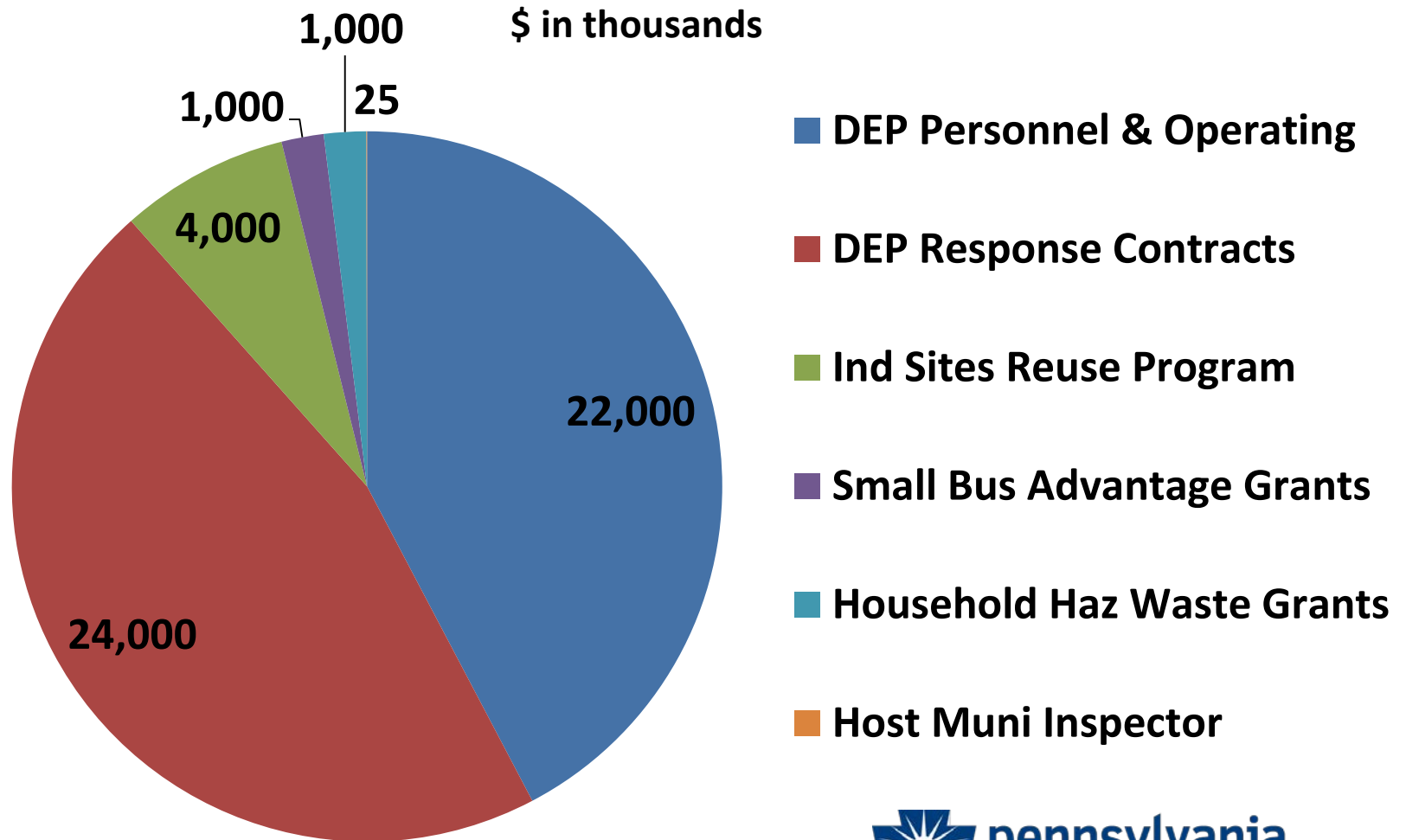
Funding

- Hazardous Sites Cleanup Fund (HSCF) - \$52 million
- EPA 128 Brownfield Grant - \$450,000
- Industrial Land Recycling Fund - \$300,000
- Storage Tank Fund (STF) - \$9 million
- EPA LUST and UST Grants - \$2.3 million

HSCF “Programs”

- State “Superfund” (HSCA)
- Federal “Superfund” (CERCLA)
- DEP Land Recycling (Act 2) Activities
- DCED Brownfield Grants
- Hazardous Waste Regulatory Programs
- Small Business Advantage Grant
- Household Hazardous Waste Collection

HSCF Annual Budget - \$52M

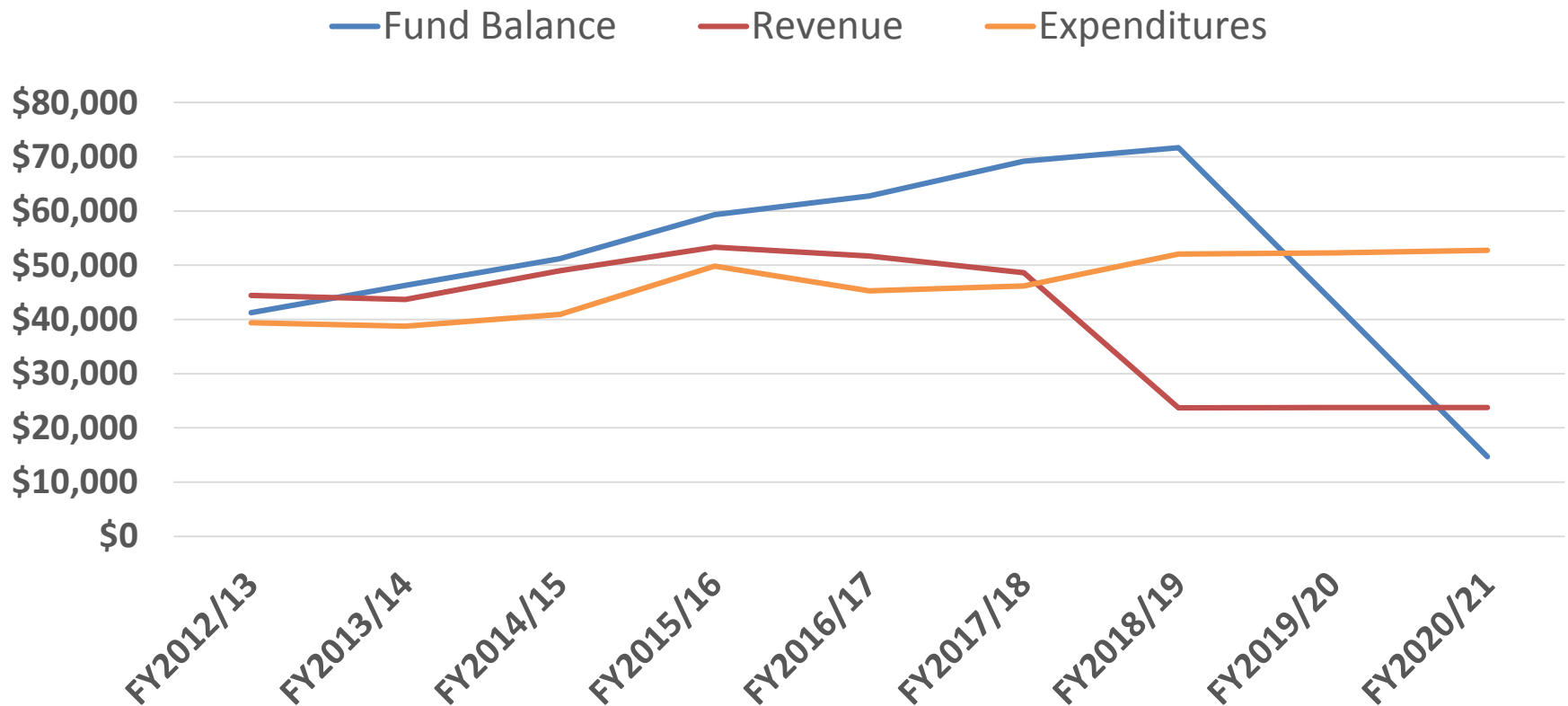


HSCF Revenue

- Capital Stock and Franchise Tax (exp. 12/2015) - \$40 million
- Act 13 Transfers (start 2014) - \$19 million
- Hazardous Waste Fees - \$1.7 million
- Penalties, Interest, Cost Recovery - \$3 million

HSCF Status/Projection

Hazardous Sites Cleanup Fund in thousands

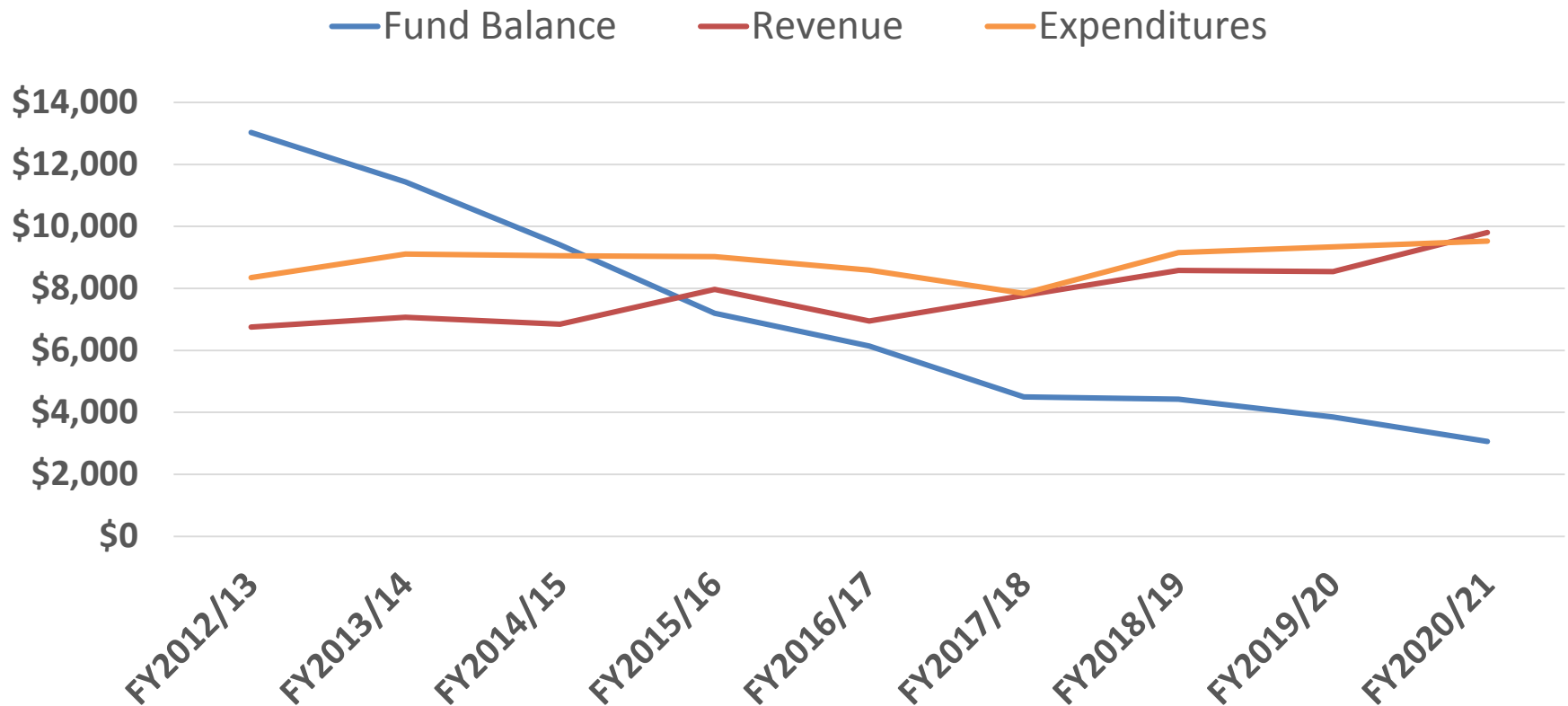


STF Revenue

- AST and UST Registration Fees (start 1989) - \$3.0 million
- Penalties, Interest, Cost Recovery (start 1989) - \$630,000
- Reimbursement from USTIF (start 2008) – up to \$7.0 million in 2018

STF Status/Projection

Storage Tank Fund
in thousands



Opportunities and Challenges - Cleanup

- HSCF Revenue Source
- Living in the Risk-Based World – Rumsfeld Principles
 - Emerging Contaminants – PFAS
 - Lead
 - Vapor intrusion
- Land Use Controls – Stewardship
- Brownfields Assistance
- Improving Technologies - direct sensors, sampling, testing, fate and transport

Opportunities and Challenges – Tanks

- ePermitting and Online Registration
- Mobile Inspections
- Tank Compatibility/Corrosion – Ethanol, Biofuels
- Implementation of new regulations – testing
- Aging Tank Population
 - 14,984 (68%) greater than 20 years old
 - 5,361 (24%) greater than 30 years old



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