



U.S. DEPARTMENT OF
ENERGY

Report on Uncosted Balances for Fiscal Year Ended September 30, 2013

Report to Congress
May 2014

United States Department of Energy
Washington, DC 20585

Message from the Secretary

As required by the Energy Policy Act of 1992 (Public Law 102-486), the Department of Energy is submitting a *Report on Uncosted Balances for Fiscal Year Ended 2013*. This report presents the results of the Department's annual analysis of uncosted obligation balances against pre-defined thresholds for various types of funding.

Pursuant to statutory requirements, this report is being provided to the following Members of Congress:

- **The Honorable Joseph Biden**
President of the Senate
- **The Honorable John Boehner**
Speaker of the House of Representatives
- **The Honorable Barbara Mikulski**
Chairwoman, Senate Committee on Appropriations
- **The Honorable Richard C. Shelby**
Ranking Member, Senate Committee on Appropriations
- **The Honorable Hal Rogers**
Chairman, House Committee on Appropriations
- **The Honorable Nita M. Lowey**
Ranking Member, House Committee on Appropriations
- **The Honorable Dianne Feinstein**
Chairman, Subcommittee on Energy and Water Development
Senate Committee on Appropriations
- **The Honorable Lamar Alexander**
Ranking Member, Subcommittee on Energy and Water Development
Senate Committee on Appropriations
- **The Honorable Mike Simpson**
Chairman, Subcommittee on Energy and Water Development
House Committee on Appropriations
- **The Honorable Marcy Kaptur**
Ranking Member, Subcommittee on Energy and Water Development
House Committee on Appropriations

- **The Honorable Fred Upton**
Chairman, House Committee on Energy and Commerce
- **The Honorable Henry A. Waxman**
Ranking Member, House Committee on Energy and Commerce
- **The Honorable Lamar Smith**
Chairman, House Committee on Science, Space, and Technology
- **The Honorable Eddie Bernice Johnson**
Ranking Member, House Committee on Science, Space, and Technology
- **The Honorable Ron Wyden**
Chairman, Senate Committee on Energy and Natural Resources
- **The Honorable Lisa Murkowski**
Ranking Member, Senate Committee on Energy and Natural Resources

If you have any questions or need additional information, please contact me or Joseph Levin, Associate Director of External Coordination in the Office of the Chief Financial Officer, at (202) 586-3098.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ernest J. Moniz', with a stylized flourish at the end.

Ernest J. Moniz

Executive Summary

As required by the Energy Policy Act of 1992 (Public Law 102-486), the Department of Energy is submitting a *Report on Uncosted Balances for Fiscal Year Ended 2013*. This report presents the results of the Department's annual analysis of uncosted obligation balances against pre-defined thresholds for various types of funding.



**REPORT ON UNCOSTED BALANCES
FOR FISCAL YEAR ENDED
SEPTEMBER 30, 2013**

Table of Contents

| | |
|--|----|
| I. Legislative Language..... | 1 |
| II. Background and DOE’s Approach | 1 |
| III. Current Status of DOE’s Uncosted Balances | 4 |
| IV. Threshold Analysis by Theme and Appropriation..... | 6 |
| Appendix 1 - FY 2013 Uncosted Balance Summary Report | 15 |

I. Legislative Language

Section 2307 of the Energy Policy Act of 1992 (42 U.S.C. § 13526) requires the Department of Energy (Department or DOE) to submit an annual report to Congress on the Department’s uncosted obligations. The section requires the report to identify the uncosted obligations at the end of the previous fiscal year (FY), describe the purpose of those funds, and describe the effect the balances had on the annual budget request. This report presents an analysis of the Department’s uncosted balances for FY 2013. In FY 2009, the American Recovery and Reinvestment Act of 2009 (Recovery Act) provided the Department an additional \$36.7 billion. The FY 2013 uncosted balances associated with Recovery Act funding are separately presented in Figure 1, but are not included in the analysis of uncosted balances in this report. The increase in uncosted obligations starting in FY 2009 results partially from the time limits set for costing the Recovery Act funds so these funds were used before the base funds. Figure 2 presents the changes over the last nine years in the uncosted obligations as a percent of funds available to cost at the end of that fiscal year.

II. Background and DOE’s Approach

Uncosted balances increased steadily from FY 1998 through FY 2009 but in recent fiscal years, the Department has decreased uncosted balances. The Department manages and analyzes uncosted balances through established percentage target thresholds specifying levels of uncosted balances for specific types of financial/contractual arrangements. This allows the Department to evaluate its overall performance based on the variance

Figure 1

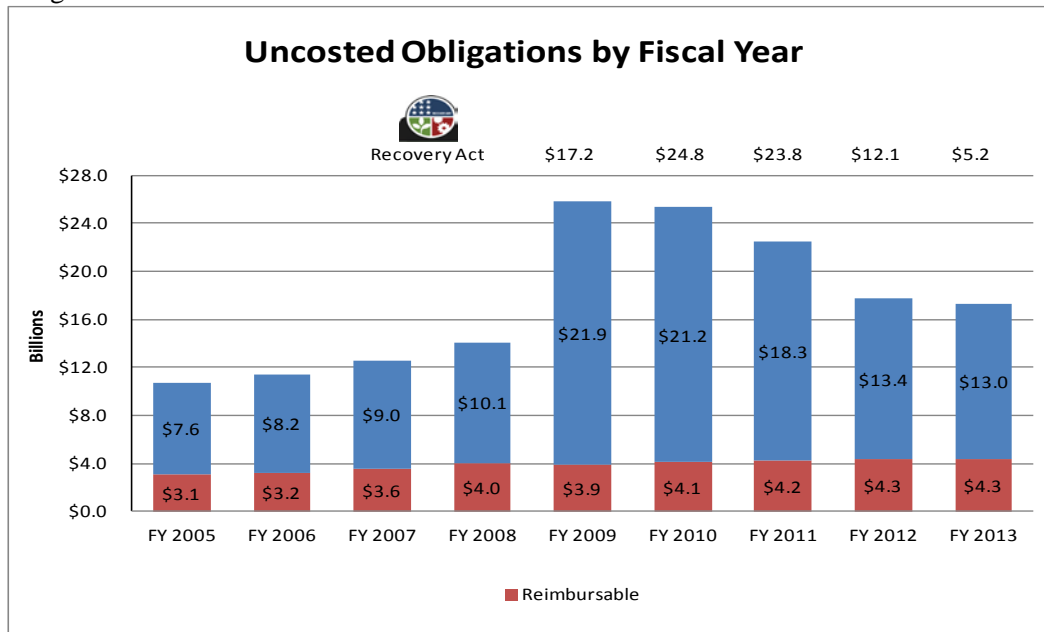
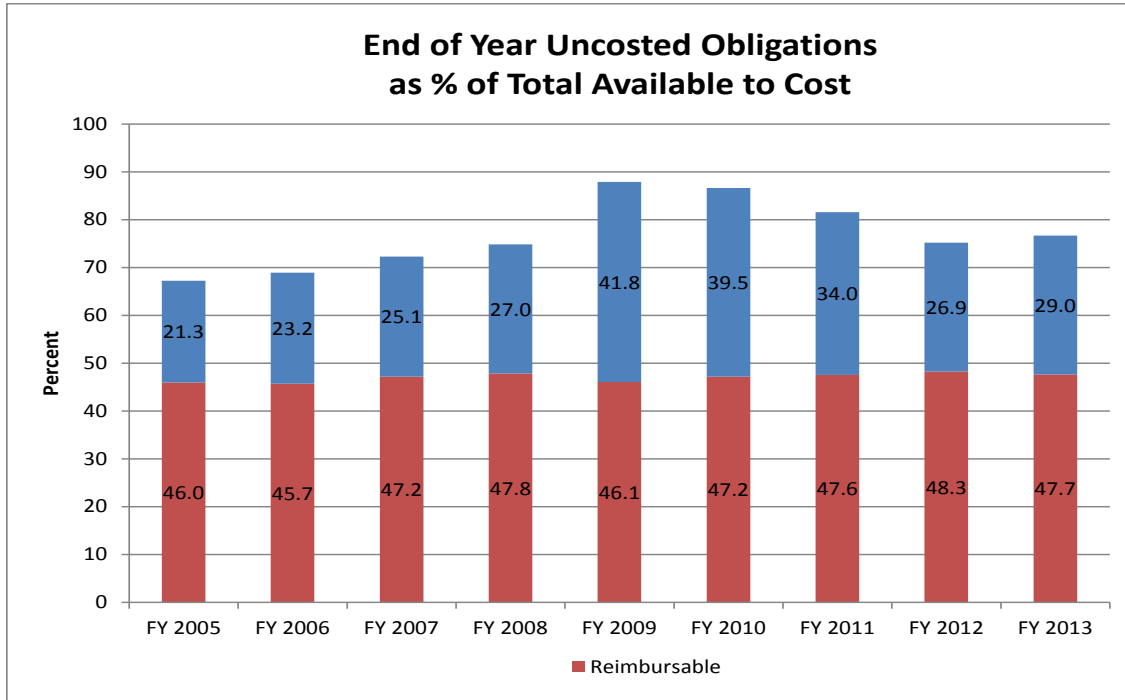


Figure 2



between target thresholds and actual uncosted balances. A target threshold is defined as an analytical reference point (i.e., a specific dollar value or percentage of funds available) beyond which uncosted obligation balances should be given greater scrutiny. Balances in excess of these thresholds receive more intensive review and require a more detailed explanation or justification to determine their cause and to identify the expectation for full costing. Table 1 defines the Department’s uncosted categories and associated thresholds.

Table 1

| CATEGORY | THRESHOLD |
|---|--|
| Contractor Operating Costs: Costs incurred by Site/Facility Management Contractors (SFMC). | 13% of the Total Funds Available to Cost (TAC)* for contractor operating activities for the FY just ended. |
| Federal Operating Costs: Operating costs not related to SFMCs or other identified categories. | 17% of the TAC for Federal operating activities for the FY just ended. |
| Capital Equipment (CE), General Plant Projects (GPP) & Accelerator Improvement Projects (AIP): Costs incurred for CE, GPP and AIP. CE includes those items that meet the accounting criteria for capitalization. | 50% of the TAC for CE, GPP and AIP, respectively, for the FY just ended. |
| <ul style="list-style-type: none"> • Line Item Construction • Grants • Cooperative Research and Development Agreements and other Cooperative Agreements • Reimbursable Work | Not subject to a specific threshold. These must be evaluated on a case-by-case basis. (Consistent with GAO’s approach) |
| *Total Available to Cost (TAC) represents the total of all obligated amounts that are available for costing during the year. TAC is calculated as Beginning Uncosted + Current Year Obligations. | |

DOE analyzed the typical funding patterns and balanced those with what should be reasonably expected given typical procurement and funding execution patterns to determine the target percentages:

- **Federal Operating Costs (17 percent):** The 17 percent threshold represents approximately two months of carryover available at the beginning of the next fiscal year to facilitate the receipt of new funding and processing of procurement requests. This assumes no funding delays (e.g., continuing resolution) and the use of basic funding instruments (e.g., no special procurement instruments that would require extended solicitations).
- **Contractor Operating Costs (13 percent):** The streamlined procurement processes of the contractors allow for a slightly accelerated obligation pattern if funding is received in a timely manner. Therefore, a 13 percent threshold based on an analysis of typical obligation and costing patterns was established.
- **Capital equipment projects (50 percent):** Typically capital equipment projects have higher uncosted balances since many are multi-year. Therefore, as much as 50 percent could be uncosted in the first year of the award. Because we have a continuous stream of new projects and old project completions, 50 percent was set as the threshold.

To identify thresholds at the appropriate level, the Department segregates the uncosted balance for each appropriation by the categories identified in Table 1. The thresholds for each category are then calculated using the established percentages. The line-item construction and grant categories are assessed individually and are therefore removed. The category thresholds are then rolled together to obtain the overall threshold amount by appropriation. The combined threshold is then compared to the ending uncosted balance to generate the variance or over / under threshold amount. The threshold analysis section of this report provides more information for the significant variances.

The Department reviews the status of uncosted balances in each Business Quarterly Review (BQR) which analyzes the causes of high uncosted balances and results in appropriate actions to address the balances as warranted. In addition, the Department reviews aging uncosted balances that are older than two years prior to the current fiscal year on a monthly basis.

III. Current Status of Uncosted Balances

This report provides an analysis of the \$11.3 billion Department's appropriated FY 2013 uncosted balances, excluding Recovery Act balances. Figure 3 presents the FY 2013 uncosted balances by theme and Figure 4 by theme and category.

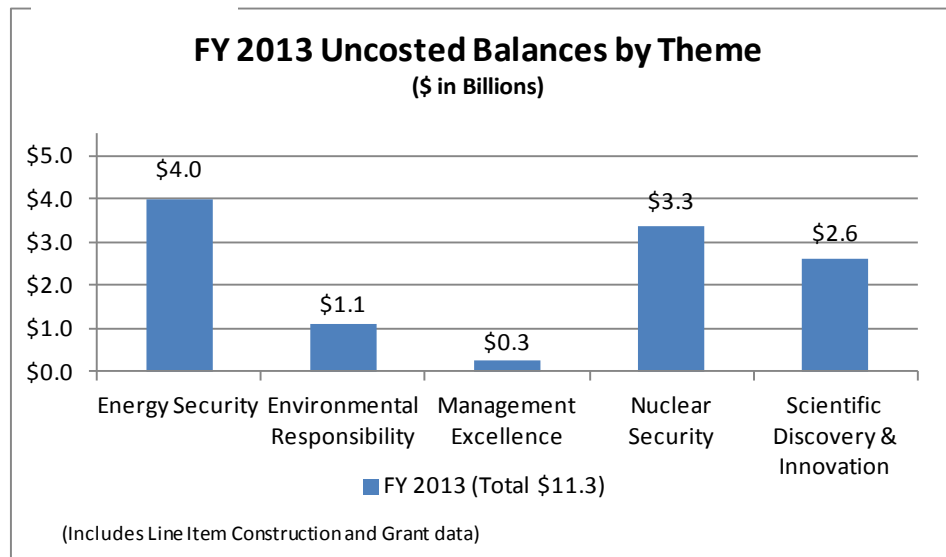
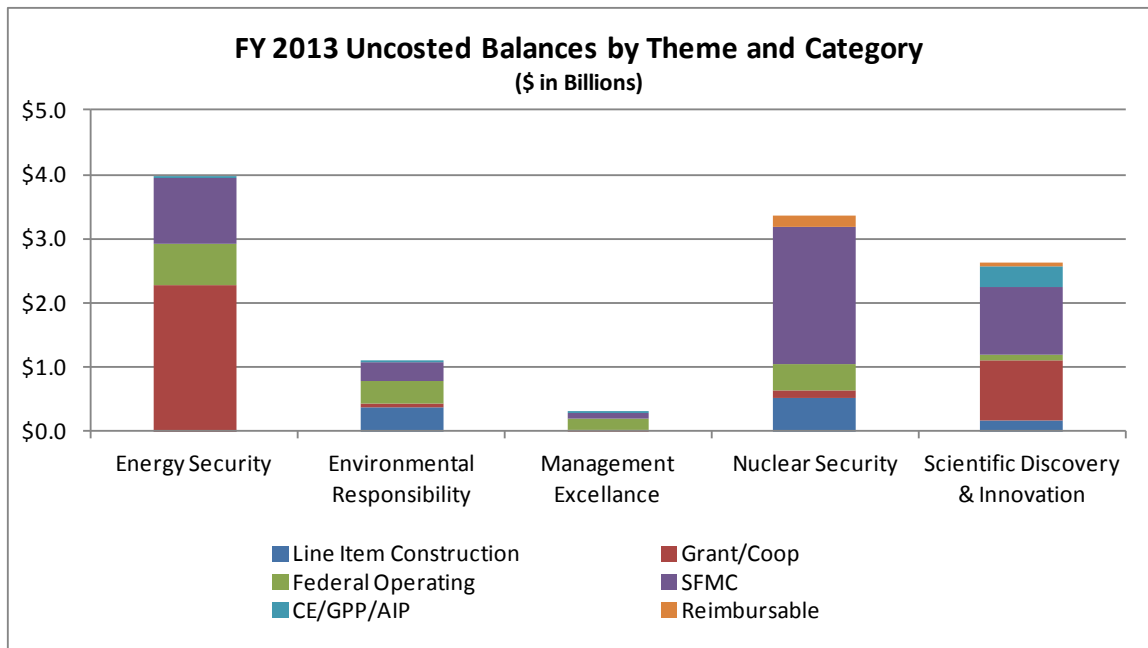


Figure 4



While Continuing Resolutions (CR), the Recovery Act, and up-front funding of programs and activities have caused slower costing of appropriated dollars, DOE will continue to monitor spending and take action where necessary to use money to achieve the goals for which it was intended in a timelier manner.

For example, during FY 2014, uncosted balances older than three fiscal years will be reviewed; Business Quarterly Reviews with upper Department management will be held; Quarterly Program Reviews with the program offices will be held; and, program offices will submit spend plans for obligations and costing of older balances as well as new budget authority. Spend plan balances will be tracked monthly against actual spending, and justifications for significant deviations will be required. Quarterly program reviews include a focus on the status of the uncosted balances prior to FY 2012 and how the spend plan is being executed when compared to the actual data. These reviews provide scrutiny of program execution as well as more rigor in the analysis of the budgets. The Programs are held accountable to the projected year end uncosted balances.

The Department’s uncosted balances exceeded thresholds by \$2.43 billion in FY 2013, compared to \$2.37 billion in FY 2012. The following table presents a breakout of threshold variances by themes for FY 2013. It excludes Line-Item Construction and Grants data since these categories are not subject to a specific threshold.

Table 2
Uncosted Balances
Summary Threshold Analysis by Theme
Dollar in Thousands

| Theme | Total Available to Cost (TAC) | Year-end Obs Uncosted | % Year-end Obs Uncosted | Year-end Threshold Uncosted | Threshold Variance |
|-------------------------------------|-------------------------------|-----------------------|-------------------------|-----------------------------|--------------------|
| Energy Security | 4,548,728 | 1,704,464 | 37.5% | 689,306 | 1,015,158 |
| Environmental Responsibility | 5,270,503 | 669,028 | 12.7% | 784,711 | -115,683 |
| Management Excellence | 1,033,315 | 260,785 | 25.2% | 166,526 | 94,259 |
| Nuclear Security | 12,143,770 | 2,708,311 | 22.3% | 1,810,259 | 898,052 |
| Scientific Discovery and Innovation | 5,098,223 | 1,477,528 | 29.0% | 944,631 | 532,897 |
| Total | 28,094,539 | 6,820,117 | 24.3% | 4,395,433 | 2,424,684 |

(Excludes Line-Item Construction and Grants)

IV. Threshold Analysis by Theme & Appropriation

Explanation of Significant Threshold Variances

As noted earlier in this report, the threshold approach provides a reference point beyond which further analysis of uncosted balances is required. In addition to providing a basis for assessing the appropriateness of balances, this analysis helps to identify types of funding and contractual instruments that display inherently higher balances than typical operating funding.

It is important to note that the amount over threshold represents a “net” amount at the Departmental level and that this variance consists of a combination of over and under-threshold amounts for various appropriations. The following sections identify the key drivers/justifications for appropriations with significant over-threshold amounts. Threshold variances for all appropriations are provided in Appendix 1.

Energy Security - \$1.0 Billion over Threshold

Appropriation 89-X-0213 Fossil Energy Research and Development

This appropriation exceeds the threshold by a net amount of \$79.0 million. For FY 2013, Fossil Energy had a large uncosted obligation in part because funds were obligated late in the fiscal year. This is due to being under a CR at the beginning of the fiscal year and not receiving enough funding to make the full awards. Many of the awards are made from selections from a Funding Opportunity Announcement (FOA). In order to release the FOA, Fossil Energy Research and Development (FE) must know how much is going to be appropriated. These announcements and the following selections take time to be processed.

Over the last three fiscal years, FE has been under quarterly or monthly apportionments and had to wait until the full award amount was available to obligate the funds. Also, certain FE programs require full funding upfront so balances are increased until the full award can be made.

The CCS & Power Systems program uncosted balances resulted from the funding of multiple phases on large scale projects. These phases are provided to ensure long-lead procurements can be made without delaying the projects. This program also spends ARRA funds before obligating annual appropriation funds on co-funded projects. There also was conservative spending in FY 2013 because of uncertainties in FY 2014 funding allocations.

A majority of the uncosted balances in the category of Congressionally Directed Projects are on projects that extend beyond FY 2013 and will be costed over the life of the project. This is due to project delay pushing across budget periods. Several of the completed projects are awaiting final reports before financial closure can be completed.

Appropriation 89-X-0218 Strategic Petroleum Reserve (SPR)

This appropriation exceeds the threshold by a net amount of \$25.2 million. The majority of the uncosted balance is on the Maintenance & Operations (M&O) contract related to the on-going requirements for continued maintenance and operations of the SPR. Another significant amount is related to the ongoing purchase of the replacement Bayou Choctaw Cavern 20.

Appropriation 89-X-0318 Electricity Delivery and Energy Reliability

This appropriation exceeds the threshold by a net amount of \$61.7 million. The increased uncosted balances primarily result from obligations made late in the fiscal year, uncertainty about final funding levels, and Congressional direction to fully fund financial assistance awards.

Of the \$72 million in new obligations in FY 2013 in the categories addressed in this report, over 50 percent were made in the last four months of FY 2013, with 17 percent obligated in September. These late obligations resulted from reduced funding under the initial 6-month CR. Uncertainty associated with sequester budget reductions, threatened shutdown, and the final appropriation levels also slowed obligations and resulted in more conservative costing to minimize funding disruptions.

In 89-X-0318, most uncosted balances that exceed the threshold are from the research and development programs. These uncosted balances help avoid disruptions to ongoing research at the National labs during CRs and also result from Congressional direction to fully fund awards, including multi-year awards. For example, the Cybersecurity for Energy Delivery System program's uncosted balance of \$20 million includes significant forward funding to laboratory projects to accumulate sufficient funds to fully fund competitive financial assistance awards in the following year. Similarly, the Clean Energy Transmission and Reliability program's \$25 million uncosted balance is largely because of forward-funding laboratories in FY 2013 in anticipation of a Funding Opportunity Announcement with awards in FY 2014. Moreover, consistent with sound financial management, OE strives to provide sufficient funds to support ongoing projects and critical contracts through the first three-to-six months of the next fiscal year to mitigate impacts to its mission in the event of a prolonged CR or other funding disruption.

Appropriation 89-X-0319 Nuclear Energy

This appropriation exceeds the threshold by a net amount of \$124.3 million. The primary driver for this over-threshold amount is \$90.2 million of uncosted balances in the Nuclear Energy University Program (NEUP). NEUP awards are fully funded three-year R&D awards. Fully funding the awards results in planned uncosted balances equal to 170 percent of annual funding levels of about \$53 million. Also part of the over-threshold amount is \$7.0 million of uncosted balances in the SMR Licensing Technical Support program. The remainder of the over-threshold balances is primarily associated with activities impacted by the delayed enactment of final appropriation.

Appropriation 89-X-0321 Energy Efficiency and Renewable Energy

This appropriation exceeds the threshold by a net amount of \$616.2 million primarily because of the initial six-month CR which significantly delayed the availability of funds and resulted in many procurements being awarded late in the fiscal year. Late in the third quarter of FY 2013, Congress approved a reprogramming of \$80.3 million of prior-year funds to support high-priority requirements in Advanced Manufacturing, the Weatherization Assistance Program, and Program Direction. The late availability of these funds resulted in awards late in the fiscal year which also contributed to higher uncosted balances at the end of the year.

Unobligated carryover decreased from \$333 million at the end of FY 2012 to \$125 million at the end of FY 2013.

EERE has implemented a rigorous assessment of contracts, grants and agreements to reduce uncosted obligations by closing out projects which are tying up prior-year appropriations. This is being accomplished by deobligating funds from inactive projects and redirecting the funds to accelerate current program priorities, as appropriate. This will ultimately result in a permanent reduction to prior year uncosted balances for the overall EERE program. With EERE's change in direction to fully fund a large majority of its multi-year contract awards upfront (with some exceptions), diligent active project management efforts to monitor usage of those funds will become increasingly important for EERE's management of uncosted balances.

Of the balances and thresholds contained in this report, EERE is over the Federal Operating threshold by \$148.6 million, the M&O Contractor (Site/Facility Management Contractor [SFMC]) threshold by \$467.3 million, and the Capital Equipment/General Plant Project (CE/GPP/AIP) threshold by \$0.3 million. Federal Operating balances are predominantly the result of the six-month CR, which affected multiple EERE programs: \$27.1 million for Vehicle Technologies; \$24.7 million for Solar Energy Technologies; \$22.6 million for Building Technologies; \$10.8 million for Advanced Manufacturing Technologies; \$8.9 million for the Wind Energy Technologies; \$5.0 million for Federal Energy Management Program; and \$49.5 million primarily from \$37.0 million of prior year funds from the close-out of Bioenergy Technologies projects and \$12.5 million from a broad range of activities including legacy accounts. The Bioenergy funds were used as a primary funding source in the FY 2013 Congressionally approved EERE reprogramming and not available for award in the programs until late in the fiscal year.

The M&O Contractor balance is also attributed to operating under a CR for two quarters which delayed the availability of FY 2013 funds and resulted in many procurements being awarded late in the fiscal year which caused an increase in uncosted balances at the end of the year. This contributed to uncosted balances over the threshold that included \$78.0 million for Solar Energy Photovoltaic Energy Systems work at the National Renewal Energy Laboratory (NREL); \$76.0 million for Vehicle Technologies work on Batteries and Electric Drive efforts at Argonne

National Laboratory (ANL); \$73.8 million for Building Technologies in support of Residential and Commercial R&D at NREL; \$47.8 million Advanced Manufacturing associated with Next Generation Materials at Ames; \$47.6 million Bioenergy for Conversion Technologies at NREL; \$26.9 million for Wind Energy work on Technology Viability RD&D at NREL; \$22.7 million for Fuel Cells work on Systems R&D at Los Alamos National Laboratory (LANL); \$17.1 million Water Power RD&D at ORNL; \$16.4 million for Geothermal R&D on Enhanced Geothermal Systems at SNL; \$22.4 million for Infrastructure and Facilities activities at NREL related to General Plant Projects; \$9.5 million related to FEMP for Technical Guidance and Assistance activities at LBNL; \$5.5 million for State Energy Program activities at ORNL; and \$23.6 million for miscellaneous balances. Other contributors to M&O Contractor balances are: upfront funding for leases, subcontracts, and laboratory RD&D to prepare for CRs; additional laboratory planning for the uncertainty associated with a potential CR at the beginning of FY 2014; awards from solicitations resulting from FOAs; and M&O contractor R&D spending rates fluctuate. Annual Operating Plans (AOPs) that encompass planned and actual costing by the laboratories for all projects will be regularly monitored to improve financial stewardship and reduce uncosted balances.

EERE's CE/GPP/AIP balances are over the threshold by \$0.3 million primarily because EERE's General Plant Projects (GPP) at NREL were delayed because of the initial six-month CR.

Appropriation 89-X-5523 Ultra-Deep and Unconventional Natural Gas and other Petroleum Research Fund

This appropriation exceeds the threshold by a net amount of \$101.6 million. The Ultra-Deep and Unconventional Natural Gas program makes R&D awards, which are one to three years in duration and which are fully funded at inception. The funds are costed over that period of performance. The ability to solicit for and let the R&D awards is tied to the development and approval of an annual plan delivered to Congress. However, this program was repealed, and all remaining funds were rescinded in FY 2014. Going forward, no obligations will be made in this account.

Nuclear Security - \$0.9 Billion over Threshold

Appropriation 89-X-0240 Weapons Activities

This appropriation exceeds the threshold by a net amount of \$101 million primarily in the following programs and largely because of the six-month CR: Readiness in Technical Base and Facilities (RTBF), Life Extension Programs (LEP), Nuclear Counterterrorism Incident Response, Defense Nuclear Security, and Site Stewardship.

Other causes are described below:

RTBF uncosted carryover balances were retained to support the Electrolytic Refiner Major Item of Equipment (MIE) design work at Y-12, the CoLOSSIS II detector at Pantex, and other programmatic work continuing into FY 2014.

In LEPs, uncosted balances over threshold for the W76 LEP were associated with facility shut down issues at Pantex during the fourth quarter of FY 2013, which resulted in NNSA only meeting 74 percent of the directed production commitment. In addition, implementation of the Kansas City Responsive Infrastructure Manufacturing and Sourcing (KCRIMS) effort delayed Kansas City Plant component production.

For Nuclear Counterterrorism Incident Response, uncosted balances over threshold were the result of late receipt of funds causing changes and deferrals to planned participation in events, training, and deferred procurements, all of which have adversely impacted NNSA's readiness posture.

For National Security Applications, funding was carried over to transition high priority projects in weapons effects, outputs, enhanced detection, and technical nuclear forensics to new technical program sponsors. These projects were part of budget structure changes proposed in the FY 2014 Congressional Budget Request, which could not be executed during the CR. Without FY 2013 carryover funding, the viability and success of these high-priority projects were at serious risk.

For Defense Nuclear Security, uncosted balances over threshold also were caused by: the pending contract transition at NNSA Production Office (NPO) Pantex/Y-12; Personnel Security for clearances in process and funding that is anticipated to be spent on the clearance process in FY 2014; Headquarters technical support tasks placed late in the fiscal year; Lawrence Livermore National Laboratory (LLNL) to support the de-inventory of Category I Special Nuclear Material (SNM), to offset cost increases from cost model changes and the involuntary Separation Plan for the protective force; and unfilled vacancies in the protective force contracts.

For Site Stewardship, uncosted balances over threshold resulted from regulatory requirements tied to specific plans waiting approval by host State environmental oversight agencies and the ongoing efforts associated with joint treatment program, and the removal of special nuclear materials.

Appropriation 89-X-0309 Defense Nuclear Nonproliferation (DNN)

This appropriation exceeds the threshold by a net amount of \$868 million. Uncosted balances for DNN often exceed departmental thresholds due to the program's variety of overseas projects. Sound management and programmatic necessities require work to be fully completed and verified before DNN disburses funds in non-U.S. venues. For these reasons, the program also reports unencumbered balances, which are more

reflective of DNN's financial performance. Encumbered balances are defined as uncosted obligations under contracts awarded by integrated M&O contractors plus uncosted balances for direct contracts awarded to non-M&O contractors.

Unencumbered funds are those for which there are no such encumbrances. At year end, 14.5 percent of total DNN funding was unencumbered. If unencumbered funds are used as the metric, DNN execution is within the DOE thresholds.

In Defense Nuclear Nonproliferation Research and Development (DNN R&D), the \$38.5M (13.4 percent unencumbered) balance exceeding the DOE threshold is due to the DNN R&D Program slowing costing as a contingency to mitigate programmatic uncertainties and budgetary risk in meeting the full DOE commitment for the Domestic Uranium Enrichment (DUE) RD&D project, delays in the processing of multi-year university contracts, small purchases, and long lead procurements payment of salaries and cost of laboratory personnel assigned to perform tasks for the R&D program. Funds were obligated to national laboratories for work in early FY 2014 and balances are vital for the continuity of critical efforts already in progress toward maintaining schedules to meet production goals, field experimentation schedules, and other on-going national security activities.

In Nonproliferation and International Security (24.8 percent uncosted; 13.4 percent unencumbered), balances result from activities that were planned to occur late in FY 2013, but were rescheduled due to unanticipated delays in the foreign partner and U.S. inter-agency approval process, and in the resolution of international policy issues. Activity costing was planned for FY 2014.

At the end of FY 2013, International Nuclear Materials Protection and Cooperation program had an uncosted balance of \$427.8 million exceeding the DOE threshold. These uncosted balances are due to delays of key nuclear security projects during negotiations on a successor agreement to the Cooperative Threat Reduction (CTR) Umbrella Agreement, signed on June 14, 2013, and continuing negotiations on subordinate related agreements. Other uncosted balances are related to collaboration on the Nuclear Security Center of Excellence in China, and an additional funding of \$50 million received late in the fiscal year for a sensitive non-Russian project. The remaining balances were obligated to national laboratories late in the year to ensure that critical global nuclear material security projects are appropriately supported in FY 2014.

Global Threat Reduction Initiative (GTRI) (44.9 percent uncosted; 8.0 percent unencumbered). The FY 2013 uncosted balance is largely attributable to funds obligated and encumbered against contracted work to be completed on multi-year contracts where work must be completed before the balance can be costed. These funds are costed based on the receipt of deliverables and direct validation of work according to a timeline specified in the contracts.

At the end of FY 2013, the U.S. Surplus FMD had an uncosted balance of \$345.4 million. Of the \$345.4 million, approximately \$120.0 million is encumbered to support bulk commodities, HVAC equipment, engineered and electrical equipment, procurement contracts for glove boxes, instrumentation, and the construction subcontract associated with the Mixed Oxide (MOX) Fuel Fabrication Facility (MFFF) and the completion of mechanical construction associated with the Waste Solidification Building (WSB). The remaining \$225.4 million unencumbered balances will support the other project costs associated with the MFFF and WSB projects such as construction oversight, licensing activities, pre-operations and start-up planning, development of procedures and construction support. In addition, funds will continue to support the two MT oxide production campaign at LANL, the 3.7 MT oxide campaign at SR, procurements of shipping containers for plutonium oxide shipments, and integration of program elements. Higher balances than anticipated resulted due to the slow-down of the current plutonium disposition strategy while the Department continues the on-going analysis to determine if there are options to complete the mission more efficiently. These balances will be costed in FY 2014.

In U.S. Plutonium Disposition, unencumbered balances over the threshold are largely associated with the slow-down of the current plutonium disposition strategy while the Department is continuing the on-going analysis to determine if there are options to complete the plutonium disposition mission more efficiently.

In U.S. Uranium Disposition, unencumbered balances over the threshold will be costed in the first quarter of FY 2014. These balances will be used to continue the level of effort needed to down-blend surplus HEU to low-enriched uranium.

At the end of FY 2013, the Russian program had an uncosted balance of \$27.2 million. Of the \$27.2 million, \$1.9 million is encumbered to complete the Gas Turbine Modular Helium Reactor (GT-MHR) project. The remaining unencumbered balances will support technical and analytical activities to implement the U.S.-Russia Plutonium Management and Disposition Agreement (PMDA). The unencumbered over the threshold amount of \$18.6 million primarily reflects the portion (\$17.0 million) of the U.S. contribution to Russian plutonium disposition that will allow the program to implement the amended PMDA once milestones associated with U.S. assistance have been approved by the U.S. and Russian governments. No new budget authority was requested in FY 2014.

Scientific Discovery & Innovation - \$0.5 Billion over Threshold

Appropriation 89-X-0222 General Science and Research Activities, Operating

This appropriation exceeds the threshold by a net amount of \$532.9 million. The overall uncosted balance for Office of Science (SC) at the end of FY 2013 is \$2,578 million or 34 percent. Of the \$2,578 million, \$2,023 million is from the FY 2013 Appropriation. Funding availability was delayed for the following reasons: the full-year CR was passed nearly halfway into the fiscal year; program allocations of

Sequester and Rescission reductions took time; and an SC Reprogramming that was not approved until June. As a result, a large number of awards occurred late in the fiscal year.

Of the balances and thresholds contained in this report, SC is over the Federal Operating threshold by \$34.6 million, the M&O Contractor (SFMC) threshold by \$540 million, but under the Capital Equipment/General Plant Project (CE/GPP/AIP) threshold by \$39 million. The large uncosted balances are primarily the result of the CR delaying obligations and awards until late FY 2013. Other causes are described below.

Federal Operating balances are a result of interagency agreements and awards at the end of the fiscal year that are costed throughout the following fiscal year; multi-year and ongoing activities such as support service contracts at HQ, Field, and OSTI, ORISE, Information International Assoc. – PAMS (SC grants system) contract, and Working Capital Funds; IPA salaries, benefits, and travel; financial assistance and small business awards that are grants but incorrectly coded as federal operating; and ongoing interagency agreement between DOE/NNSA and Army that expires September 2014.

M&O Contractor balances are largely attributable to upfront funding to support continued operations under CRs including: leases, subcontracts, and field experiments; End Station upgrades in FY 2014; LCLS II project long lead procurements; National Science Bowl; funding for Micron Corporation for a multi-year project that was received in FY 2011 without a Work Authorization until late in FY 2012; CRF program receiving funding at year end for seismic upgrade GPP and multiple equipment purchases in early FY 2014; FACET operations funding to support fall run and avoid issues with a FY 2014 CR; purchase of laser excimer, connecting chamber, and safety system to use SSRL beamline; US Bell II project (for quartz production) pending CD-3 approval; purchase orders for System Maintenance projects; pending Risk Assessments and Independent Self-Assessments; deferral of Physical Security System upgrades; earmarked Cyber Security funds for GRC improvements and other service contracts to augment and facilitate implementing the previously purchased cyber tools that were delayed due to integrator resource constraints and technical issues; DIII-D Ops and ITER; purchase of spare detector panels and additional design work associated with the small angle x-ray scattering instrument; EFRC funding; commitments to ORISE and universities; equipment purchases delayed for the Separation and Analysis program until reviews were received; delay in filling post doc positions; outstanding commitments for the SNS Research Accelerator; outstanding commitments and continued operations of the User Facilities; procure and fabricate a Low Temperature STM equipment; final payment was held pending repair of a defective NMR console; pending purchase of laser table, laser and optics associated with purchase of a new mass spectrometer; Dark Energy and Dark Matter R&D; required funding for next big purchase for ALICE computing in FY 2014; NSTX-U MIE upgrade project; cover

severance costs in the event that PPPL management needs to offer a Voluntary Severance Program and implement an Involuntary Reduction-In-Force due to funding constraints and/or support potential installation of a new business computing software package. SC was under the threshold for the CE/GPP/AIP category in FY 2013.

FY 2013 Uncosted Balances
Dollars in Thousands

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|-----------------|---|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|-----------------|--------------------|
| Energy Security | 89-1011-0318 | Electricity Delivery and Energy Reliability | (D) SFMC | 1 | 1 | 100.00% | 0 | 13.00 | 0.52 |
| | | | | 1 | 1 | 100.00% | 0 | | 0.52 |
| | 89-1112-0319 | Nuclear Energy | (D) SFMC | 3,047 | 1,705 | 55.97% | 396 | 13.00 | 1,309.06 |
| | | | | 3,047 | 1,705 | 55.97% | 396 | | 1,309.06 |
| | 89-12-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (D) SFMC | 1,053 | 142 | 13.47% | 137 | 13.00 | 4.96 |
| | | | (E) CE/GPP/AIP | 606 | 4 | 0.68% | 303 | 50.00 | -298.85 |
| | | | | 1,659 | 146 | 8.80% | 440 | | -293.89 |
| | 89-1213-0213 | Fossil Energy Research and Development | (C) Federal Operating | 33,678 | 1,963 | 5.83% | 5,725 | 17.00 | -3,762.23 |
| | | | | 33,678 | 1,963 | 5.83% | 5,725 | | -3,762.23 |
| | 89-1213-0318 | Electricity Delivery and Energy Reliability | (C) Federal Operating | 14,871 | 845 | 5.69% | 2,528 | 17.00 | -1,682.59 |
| | | | | 14,871 | 845 | 5.69% | 2,528 | | -1,682.59 |
| | 89-1213-0319 | Nuclear Energy | (C) Federal Operating | 18,331 | 1,003 | 5.47% | 3,116 | 17.00 | -2,113.35 |
| | | | (D) SFMC | 5,420 | 3,475 | 64.12% | 705 | 13.00 | 2,770.71 |
| | | | | 23,751 | 4,478 | 18.85% | 3,821 | | 657.36 |
| | 89-1213-0321 | Energy Efficiency and Renewable Energy | (C) Federal Operating | 33,022 | 2,365 | 7.16% | 5,614 | 17.00 | -3,248.85 |
| | | | (D) SFMC | 1,181 | 173 | 14.65% | 153 | 13.00 | 19.43 |
| | | | | 34,202 | 2,538 | 7.42% | 5,767 | | -3,229.42 |
| | 89-13-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 2,163 | 126 | 5.82% | 368 | 17.00 | -241.92 |
| | | | (D) SFMC | 83,535 | 258 | 0.31% | 10,860 | 13.00 | -10,601.49 |
| | | | | 85,698 | 384 | 0.45% | 11,227 | | -10,843.41 |
| 89-1314-0213 | Fossil Energy Research and Development | (C) Federal Operating | 104,537 | 23,780 | 22.75% | 17,771 | 17.00 | 6,009.06 | |
| | | | 104,537 | 23,780 | 22.75% | 17,771 | | 6,009.06 | |
| 89-1314-0318 | Electricity Delivery and Energy Reliability | (C) Federal Operating | 19,097 | 5,944 | 31.12% | 3,246 | 17.00 | 2,697.23 | |
| | | | 19,097 | 5,944 | 31.12% | 3,246 | | 2,697.23 | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|-------------------------|---|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|------------------|--------------------|
| Energy Security (cont.) | 89-1314-0319 | Nuclear Energy | (C) Federal Operating | 60,882 | 8,290 | 13.62% | 10,350 | 17.00 | -2,059.44 |
| | | | (D) SFMC | 5,932 | 4,407 | 74.29% | 771 | 13.00 | 3,635.57 |
| | | | | 66,813 | 12,697 | 19.00% | 11,121 | | 1,576.14 |
| | 89-1314-0321 | Energy Efficiency and Renewable Energy | (C) Federal Operating | 143,725 | 17,534 | 12.20% | 24,433 | 17.00 | -6,899.45 |
| | | | (D) SFMC | 1,156 | 746 | 64.50% | 150 | 13.00 | 595.38 |
| | | | | 144,881 | 18,280 | 12.62% | 24,584 | | -6,304.07 |
| | 89-X-0212 | Federal Energy Regulatory Commission | (C) Federal Operating | 305,582 | 13,257 | 4.34% | 51,949 | 17.00 | -38,692.23 |
| | | | | 305,582 | 13,257 | 4.34% | 51,949 | | -38,692.23 |
| | 89-X-0213 | Fossil Energy Research and Development | (C) Federal Operating | 213,581 | 85,114 | 39.85% | 36,309 | 17.00 | 48,805.37 |
| | | | (D) SFMC | 83,170 | 42,794 | 51.45% | 10,812 | 13.00 | 31,982.20 |
| | | | (E) CE/GPP/AIP | 12,865 | 4,647 | 36.12% | 6,432 | 50.00 | -1,785.02 |
| | | | | 309,616 | 132,556 | 42.81% | 53,553 | | 79,002.55 |
| | 89-X-0215 | Energy Conservation | (C) Federal Operating | 29 | 32 | 111.66% | 5 | 17.00 | 27.38 |
| | | | | 29 | 32 | 111.66% | 5 | | 27.38 |
| | 89-X-0216 | Energy Information Administration | (C) Federal Operating | 121,936 | 17,063 | 13.99% | 20,729 | 17.00 | -3,666.37 |
| | | | (D) SFMC | 429 | 142 | 33.00% | 56 | 13.00 | 85.90 |
| | | | | 122,365 | 17,204 | 14.06% | 20,785 | | -3,580.47 |
| | 89-X-0218 | Strategic Petroleum Reserve | (C) Federal Operating | 80,249 | 22,354 | 27.86% | 13,642 | 17.00 | 8,711.43 |
| | | | (D) SFMC | 190,039 | 41,155 | 21.66% | 24,705 | 13.00 | 16,450.08 |
| | | | (E) CE/GPP/AIP | 133 | 92 | 68.70% | 67 | 50.00 | 24.95 |
| | | | 270,421 | 63,601 | 23.52% | 38,414 | | 25,186.46 | |
| 89-X-0219 | Naval Petroleum and Oil Shale Reserve | (C) Federal Operating | 33,804 | 15,268 | 45.17% | 5,747 | 17.00 | 9,520.97 | |
| | | (D) SFMC | 1,170 | 772 | 65.97% | 152 | 13.00 | 619.60 | |
| | | | 34,974 | 16,039 | 45.86% | 5,899 | | 10,140.57 | |
| 89-X-0224 | Energy Supply and Conservation | (C) Federal Operating | -9 | 28 | -328.68% | -1 | 17.00 | 29.96 | |
| | | | -9 | 28 | -328.68% | -1 | | 29.96 | |
| 89-X-0228 | Departmental Administration, Operating Expenses | (D) SFMC | 1 | 1 | 100.00% | 0 | 13.00 | 1.07 | |
| | | | 1 | 1 | 100.00% | 0 | | 1.07 | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|-------------------------|--|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|-------------------|--------------------|
| Energy Security (cont.) | 89-X-0233 | Strategic Petroleum Reserve, Petroleum Account | (C) Federal Operating | 2,268 | 2,127 | 93.80% | 386 | 17.00 | 1,741.92 |
| | | | (D) SFMC | 16,345 | 16,201 | 99.12% | 2,125 | 13.00 | 14,076.31 |
| | | | | 18,613 | 18,329 | 98.47% | 2,510 | | 15,818.23 |
| | 89-X-0235 | Clean Coal Technology | (C) Federal Operating | 66 | 20 | 30.50% | 11 | 17.00 | 8.97 |
| | | | (D) SFMC | 75 | 66 | 88.46% | 10 | 13.00 | 56.60 |
| | | | | 141 | 87 | 61.24% | 21 | | 65.57 |
| | 89-X-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 786 | 786 | 100.04% | 134 | 17.00 | 652.35 |
| | | | (D) SFMC | 8,375 | 7,727 | 92.26% | 1,089 | 13.00 | 6,637.95 |
| | | | | 9,160 | 8,513 | 92.93% | 1,222 | | 7,290.30 |
| | 89-X-0244 | Defense Nuclear Waste Disposal | (C) Federal Operating | 6,011 | 3,062 | 50.94% | 1,022 | 17.00 | 2,039.78 |
| | | | (D) SFMC | 12,270 | 10,593 | 86.34% | 1,595 | 13.00 | 8,997.95 |
| | | | | 18,280 | 13,655 | 74.70% | 2,617 | | 11,037.73 |
| | 89-X-0318 | Electricity Delivery and Energy Reliability | (C) Federal Operating | 60,946 | 35,917 | 58.93% | 10,361 | 17.00 | 25,556.43 |
| | | | (D) SFMC | 97,135 | 48,788 | 50.23% | 12,628 | 13.00 | 36,160.59 |
| | | | (E) CE/GPP/AIP | 184 | 76 | 40.96% | 92 | 50.00 | -16.68 |
| | | | | 158,265 | 84,781 | 53.57% | 23,081 | | 61,700.34 |
| | 89-X-0319 | Nuclear Energy | (C) Federal Operating | 50,500 | 17,555 | 34.76% | 8,585 | 17.00 | 8,969.54 |
| | | | (D) SFMC | 716,194 | 212,647 | 29.69% | 93,105 | 13.00 | 119,541.65 |
| | | | (E) CE/GPP/AIP | 15,713 | 3,667 | 23.34% | 7,856 | 50.00 | -4,189.10 |
| | | | | 782,407 | 233,869 | 29.89% | 109,547 | | 124,322.09 |
| | 89-X-0321 | Energy Efficiency and Renewable Energy | (C) Federal Operating | 430,714 | 221,838 | 51.50% | 73,221 | 17.00 | 148,616.14 |
| | | | (D) SFMC | 1,325,734 | 639,629 | 48.25% | 172,345 | 13.00 | 467,283.20 |
| | | | (E) CE/GPP/AIP | 25,852 | 13,270 | 51.33% | 12,926 | 50.00 | 344.38 |
| | | | 1,782,300 | 874,737 | 49.08% | 258,493 | | 616,243.72 | |
| 89-X-5227 | Nuclear Waste Fund | (C) Federal Operating | 15,738 | 13,113 | 83.32% | 2,675 | 17.00 | 10,437.68 | |
| | | (D) SFMC | 2,467 | 2,416 | 97.93% | 321 | 13.00 | 2,095.58 | |
| | | | 18,205 | 15,529 | 85.30% | 2,996 | | 12,533.26 | |
| 89-X-5369 | Northeast Home Heating Oil Reserve Account | (C) Federal Operating | 5,508 | 7,254 | 131.70% | 936 | 17.00 | 6,317.65 | |
| | | | 5,508 | 7,254 | 131.70% | 936 | | 6,317.65 | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|------------------------------|-----------------|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|------------------|---------------------|
| Energy Security (cont.) | 89-X-5523 | Ultra-Deepwater and Unconventional Natural Gas and other Petroleum Research Fund | (C) Federal Operating | 179,251 | 131,454 | 73.34% | 30,473 | 17.00 | 100,981.17 |
| | | | (D) SFMC | 1,382 | 779 | 56.37% | 180 | 13.00 | 599.14 |
| | | | (E) CE/GPP/AIP | 0 | 0 | 100.00% | 0 | 50.00 | 0.02 |
| | | | | 180,632 | 132,233 | 73.21% | 30,652 | | 101,580.33 |
| Energy Security Total | | | | 4,548,728 | 1,704,464 | 37.47% | 689,306 | | 1,015,158.26 |
| Environmental Responsibility | 89-12-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 13,216 | 220 | 1.66% | 2,247 | 17.00 | -2,027.21 |
| | | | (D) SFMC | 18,792 | 1,812 | 9.64% | 2,443 | 13.00 | -631.26 |
| | | | | 32,008 | 2,031 | 6.35% | 4,690 | | -2,658.47 |
| | 89-1213-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 991 | 344 | 34.66% | 169 | 17.00 | 175.02 |
| | | | | 991 | 344 | 34.66% | 169 | | 175.02 |
| | 89-1213-0251 | Defense Environmental Cleanup | (C) Federal Operating | 47,243 | 6,503 | 13.77% | 8,031 | 17.00 | -1,528.23 |
| | | | (D) SFMC | 2,789 | 59 | 2.13% | 363 | 13.00 | -303.23 |
| | | | (E) CE/GPP/AIP | 48 | 11 | 22.37% | 24 | 50.00 | -13.32 |
| | | | 50,080 | 6,573 | 13.13% | 8,418 | | -1,844.79 | |
| | 89-13-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 71,150 | 17,759 | 24.96% | 12,095 | 17.00 | 5,663.08 |
| | | | (D) SFMC | 69,941 | 26,365 | 37.70% | 9,092 | 13.00 | 17,272.50 |
| | | | 141,090 | 44,123 | 31.27% | 21,188 | | 22,935.58 | |
| | 89-1314-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 10,233 | 1,378 | 13.47% | 1,740 | 17.00 | -361.54 |
| | | | | 10,233 | 1,378 | 13.47% | 1,740 | | -361.54 |
| | 89-1314-0251 | Defense Environmental Cleanup | (C) Federal Operating | 276,978 | 44,033 | 15.90% | 47,086 | 17.00 | -3,052.83 |
| | | | (D) SFMC | 6,484 | 3,703 | 57.11% | 843 | 13.00 | 2,860.05 |
| | | | (E) CE/GPP/AIP | 250 | 250 | 100.00% | 125 | 50.00 | 125.00 |
| | | | 283,712 | 47,986 | 16.91% | 48,054 | | -67.77 | |
| | 89-X-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 9,899 | 1,274 | 12.87% | 1,683 | 17.00 | -409.30 |
| (D) SFMC | | | 7,351 | 2,746 | 37.35% | 956 | 13.00 | 1,790.17 | |
| | | 17,250 | 4,019 | 23.30% | 2,638 | | 1,380.88 | | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance | |
|---|--|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|-------------------|--------------------|--------------------|
| Environmental Responsibility (cont.) | 89-X-0251 | Defense Environmental Cleanup | (C) Federal Operating | 1,046,965 | 206,658 | 19.74% | 177,984 | 17.00 | 28,674.31 | |
| | | | (D) SFMC | 2,892,544 | 215,988 | 7.47% | 376,031 | 13.00 | -160,042.64 | |
| | | | (E) CE/GPP/AIP | 30,945 | 21,791 | 70.42% | 15,473 | 50.00 | 6,318.12 | |
| | | | | | 3,970,454 | 444,437 | 11.19% | 569,487 | | -125,050.21 |
| | 89-X-0315 | Non-Defense Environmental Cleanup | (C) Federal Operating | 239,453 | 41,314 | 17.25% | 40,707 | 17.00 | 606.68 | |
| | | | (D) SFMC | 40,221 | 24,431 | 60.74% | 5,229 | 13.00 | 19,202.28 | |
| | | | (E) CE/GPP/AIP | 735 | 735 | 100.00% | 367 | 50.00 | 367.30 | |
| | | | | | 280,409 | 66,479 | 23.71% | 46,303 | | 20,176.26 |
| | 89-X-0320 | Legacy Management | (C) Federal Operating | 188 | 188 | 100.00% | 32 | 17.00 | 156.09 | |
| | | | | 188 | 188 | 100.00% | 32 | | 156.09 | |
| | 89-X-5231 | Uranium Enrichment Decontamination and Decommission | (C) Federal Operating | 476,528 | 49,650 | 10.42% | 81,010 | 17.00 | -31,359.30 | |
| | | | (D) SFMC | 7,446 | 1,703 | 22.87% | 968 | 13.00 | 735.08 | |
| | | | 483,974 | 51,353 | 10.61% | 81,978 | | -30,624.22 | | |
| 89-X-8575 | Trust Funds - Advances for Co-Sponsored Projects | (D) SFMC | 113 | 115 | 101.26% | 15 | 13.00 | 100.15 | | |
| | | | 113 | 115 | 101.26% | 15 | | 100.15 | | |
| Environmental Responsibility Total | | | | 5,270,503 | 669,028 | 12.69% | 784,711 | | -115,683.02 | |
| Management Excellence | 89-12-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 42,238 | 2,091 | 4.95% | 7,181 | 17.00 | -5,089.88 | |
| | | | (D) SFMC | 25,782 | 957 | 3.71% | 3,352 | 13.00 | -2,394.88 | |
| | | | (E) CE/GPP/AIP | 1,738 | 0 | 0.00% | 869 | 50.00 | -868.98 | |
| | | | | 69,758 | 3,047 | 4.37% | 11,401 | | -8,353.74 | |
| | 89-1213-0228 | Departmental Administration, Operating Expenses | (C) Federal Operating | 52,963 | 10,472 | 19.77% | 9,004 | 17.00 | 1,468.57 | |
| | | | (D) SFMC | 28,575 | 12,598 | 44.09% | 3,715 | 13.00 | 8,882.96 | |
| | | | | 81,538 | 23,070 | 28.29% | 12,719 | | 10,351.53 | |
| | 89-1213-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 20,319 | 858 | 4.22% | 3,454 | 17.00 | -2,596.11 | |
| | | | (D) SFMC | 95 | 18 | 19.01% | 12 | 13.00 | 5.74 | |
| | | | | 20,415 | 876 | 4.29% | 3,467 | | -2,590.37 | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance | |
|------------------------------------|--|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|---------------|--------------------|------------------|
| Management Excellence (cont.) | 89-13-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 272,041 | 63,799 | 23.45% | 46,247 | 17.00 | 17,551.63 | |
| | | | (D) SFMC | 120,237 | 21,098 | 17.55% | 15,631 | 13.00 | 5,467.38 | |
| | | | (E) CE/GPP/AIP | 650 | 5 | 0.77% | 325 | 50.00 | -320.02 | |
| | | | | | 392,929 | 84,902 | 21.61% | 62,203 | | 22,698.99 |
| | 89-1314-0228 | Departmental Administration, Operating Expenses | (C) Federal Operating | 155,128 | 30,231 | 19.49% | 26,372 | 17.00 | 3,859.07 | |
| | | | (D) SFMC | 24,518 | 18,707 | 76.30% | 3,187 | 13.00 | 15,519.64 | |
| | | | | | 179,646 | 48,938 | 27.24% | 29,559 | | 19,378.71 |
| | 89-1314-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 90,075 | 18,090 | 20.08% | 15,313 | 17.00 | 2,777.09 | |
| | | | (D) SFMC | 157 | 102 | 64.92% | 20 | 13.00 | 81.30 | |
| | | | | | 90,231 | 18,191 | 20.16% | 15,333 | | 2,858.39 |
| | 89-X-0228 | Departmental Administration, Operating Expenses | (C) Federal Operating | 17,159 | 8,432 | 49.14% | 2,917 | 17.00 | 5,515.29 | |
| | | | (D) SFMC | 30,148 | 22,827 | 75.72% | 3,919 | 13.00 | 18,908.03 | |
| | | | | | 47,307 | 31,260 | 66.08% | 6,836 | | 24,423.31 |
| | 89-X-0236 | Inspector General | (C) Federal Operating | 49,110 | 3,085 | 6.28% | 8,349 | 17.00 | -5,263.95 | |
| | | | | | | | | | | |
| | | | | 49,110 | 3,085 | 6.28% | 8,349 | | -5,263.95 | |
| 89-X-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (C) Federal Operating | 75,803 | 33,436 | 44.11% | 12,886 | 17.00 | 20,549.96 | | |
| | | (D) SFMC | 25,717 | 13,792 | 53.63% | 3,343 | 13.00 | 10,448.37 | | |
| | | (E) CE/GPP/AIP | 860 | 188 | 21.86% | 430 | 50.00 | -242.07 | | |
| | | | | 102,381 | 47,416 | 46.31% | 16,660 | | 30,756.26 | |
| Management Excellence Total | | | | 1,033,315 | 260,785 | 25.24% | 166,526 | | 94,259.14 | |
| Nuclear Security | 89-1112-0240 | Weapons Activities | (D) SFMC | 175 | 175 | 100.00% | 23 | 13.00 | 152.25 | |
| | | | | | | | | | | |
| | | | | | 175 | 175 | 100.00% | 23 | | 152.25 |
| | 89-1213-0240 | Weapons Activities | (C) Federal Operating | 50 | 1 | 1.07% | 9 | 17.00 | -8.01 | |
| | | | (D) SFMC | 357 | 54 | 15.04% | 46 | 13.00 | 7.30 | |
| | | | | | 408 | 54 | 13.32% | 55 | | -0.72 |
| 89-1213-0313 | Office of the Administrator | (C) Federal Operating | 51,245 | 4,558 | 8.89% | 8,712 | 17.00 | -4,153.83 | | |
| | | (D) SFMC | 4,898 | 798 | 16.29% | 637 | 13.00 | 161.18 | | |
| | | | | 56,143 | 5,356 | 9.54% | 9,348 | | -3,992.65 | |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|-------------------------------------|-----------------|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|-------------------|--------------------|
| Nuclear Security (cont.) | 89-1213-0314 | Naval Reactors | (C) Federal Operating | 2,815 | 162 | 5.75% | 479 | 17.00 | -316.63 |
| | | | (D) SFMC | 389 | 54 | 13.98% | 51 | 13.00 | 3.81 |
| | | | | 3,204 | 216 | 6.75% | 529 | | -312.82 |
| | 89-1314-0313 | Office of the Administrator | (C) Federal Operating | 351,069 | 39,498 | 11.25% | 59,682 | 17.00 | -20,183.62 |
| | | | (D) SFMC | 6,427 | 4,087 | 63.59% | 836 | 13.00 | 3,251.71 |
| | | | | 357,497 | 43,585 | 12.19% | 60,517 | | -16,931.91 |
| | 89-1314-0314 | Naval Reactors | (C) Federal Operating | 35,883 | 1,441 | 4.02% | 6,100 | 17.00 | -4,659.26 |
| | | | | 35,883 | 1,441 | 4.02% | 6,100 | | -4,659.26 |
| | | | | | | | | | |
| | 89-X-0240 | Weapons Activities | (C) Federal Operating | 777,288 | 150,901 | 19.41% | 132,139 | 17.00 | 18,761.53 |
| | | | (D) SFMC | 6,640,194 | 969,950 | 14.61% | 863,225 | 13.00 | 106,724.43 |
| | | | (E) CE/GPP/AIP | 334,722 | 142,531 | 42.58% | 167,361 | 50.00 | -24,829.69 |
| | | | | 7,752,204 | 1,263,381 | 16.30% | 1,162,725 | | 100,656.26 |
| | 89-X-0243 | Other Defense Activities, Environmental and Other Defense Activities, Energy | (D) SFMC | 15 | 15 | 100.00% | 2 | 13.00 | 12.76 |
| | | | | 15 | 15 | 100.00% | 2 | | 12.76 |
| | | | | | | | | | |
| | 89-X-0309 | Defense Nuclear Nonproliferation | (C) Federal Operating | 435,433 | 198,422 | 45.57% | 74,024 | 17.00 | 124,398.63 |
| | | | (D) SFMC | 2,362,690 | 1,062,749 | 44.98% | 307,150 | 13.00 | 755,599.55 |
| | | | (E) CE/GPP/AIP | 40,972 | 8,478 | 20.69% | 20,486 | 50.00 | -12,008.49 |
| | | | | 2,839,095 | 1,269,649 | 44.72% | 401,659 | | 867,989.69 |
| | 89-X-0313 | Office of the Administrator | (C) Federal Operating | 9,393 | 4,286 | 45.62% | 1,597 | 17.00 | 2,688.68 |
| | | | (D) SFMC | 2,346 | 456 | 19.42% | 305 | 13.00 | 150.63 |
| | | | (E) CE/GPP/AIP | 1,374 | 419 | 30.52% | 687 | 50.00 | -267.58 |
| | | | 13,114 | 5,161 | 39.35% | 2,589 | | 2,571.74 | |
| 89-X-0314 | Naval Reactors | (C) Federal Operating | 10,563 | 3,489 | 33.03% | 1,796 | 17.00 | 1,693.05 | |
| | | (D) SFMC | 1,007,619 | 92,465 | 9.18% | 130,990 | 13.00 | -38,525.79 | |
| | | (E) CE/GPP/AIP | 67,850 | 23,324 | 34.38% | 33,925 | 50.00 | -10,600.75 | |
| | | | 1,086,032 | 119,278 | 10.98% | 166,711 | | -47,433.49 | |
| Nuclear Security Total | | | | 12,143,770 | 2,708,311 | 22.30% | 1,810,259 | | 898,051.85 |
| Scientific Discovery and Innovation | 89-1213-0222 | General Science and Research Activities, Operating | (C) Federal Operating | 22,483 | 1,379 | 6.13% | 3,822 | 17.00 | -2,443.09 |
| | | | (D) SFMC | 33 | 0 | 0.01% | 4 | 13.00 | -4.30 |
| | | | | 22,516 | 1,379 | 6.12% | 3,826 | | -2,447.39 |

| Theme | Treasury Symbol | Treasury Symbol Name | Budget Exec Funding Category | Total Available to Cost (TAC) | End of Year Obs Uncosted | % End of Year Obs Uncosted | End of Year Threshold Uncosted | Threshold % | Threshold Variance |
|--|-----------------|--|------------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|-------------------|---------------------|
| Scientific Discovery and Innovation (cont.) | 89-1314-0222 | General Science and Research Activities, Operating | (C) Federal Operating | 164,705 | 10,168 | 6.17% | 28,000 | 17.00 | -17,831.74 |
| | | | (D) SFMC | 176 | 32 | 17.92% | 23 | 13.00 | 8.66 |
| | | | | 164,882 | 10,200 | 6.19% | 28,023 | | -17,823.08 |
| | 89-X-0222 | General Science and Research Activities, Operating | (C) Federal Operating | 196,124 | 85,730 | 43.71% | 33,341 | 17.00 | 52,388.73 |
| | | | (D) SFMC | 3,994,352 | 1,059,209 | 26.52% | 519,266 | 13.00 | 539,942.78 |
| | | | (E) CE/GPP/AIP | 720,349 | 321,011 | 44.56% | 360,174 | 50.00 | -39,163.75 |
| | | | 4,910,825 | 1,465,949 | 29.85% | 912,781 | | 553,167.76 | |
| Scientific Discovery and Innovation Total | | | | 5,098,223 | 1,477,528 | 28.98% | 944,631 | | 532,897.28 |
| Report Total | | | | 28,094,539 | 6,820,117 | 24.28% | 4,395,433 | | 2,424,683.51 |