



NATIONAL ACADEMY OF SCIENCES

Audit of Federal Awards Performed in Accordance with
U.S. Office of Management and Budget Circular A-133

December 31, 2012

(With Independent Auditors' Report Thereon)

NATIONAL ACADEMY OF SCIENCES

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Independent Auditors' Report

The Auditing Committee
National Academy of Sciences:

Report on the Financial Statements

We have audited the accompanying financial statements of the National Academy of Sciences (NAS), which comprise the statements of financial position as of December 31, 2012 and 2011, and the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to NAS' preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of NAS' internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of NAS as of December 31, 2012 and 2011, and the changes in its net assets and its cash flows for the years then ended in accordance with U.S. generally accepted accounting principles.



Other Matters

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule and detailed schedule of expenditures of federal awards is presented for purposes of additional analysis, as required by Office of Management and Budget Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*, and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditure of federal awards is fairly stated, in all material respects, in relation to the financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 17, 2013 on our consideration of NAS' internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering NAS' internal control over financial reporting and compliance.

KPMG LLP

May 17, 2013

NATIONAL ACADEMY OF SCIENCES

Statements of Financial Position

December 31, 2012 and 2011

(In thousands)

Assets	2012	2011
Current assets:		
Cash and cash equivalents	\$ 2,429	1,433
Short-term investments (notes 3 and 4)	60,691	54,312
Contracts receivable	87,321	92,410
Contributions and other receivables, net (note 6)	13,931	9,579
Bond proceeds held with trustee (notes 4 and 13)	—	22,512
Other current assets	6,664	7,584
Total current assets	171,036	187,830
Other assets (notes 2, 13, 15, and 17)	6,366	6,965
Long-term investments (notes 3 and 4)	413,560	392,025
Contributions receivable, net (note 6)	14,950	20,902
Property and equipment, net (notes 5 and 16)	180,790	159,651
Einstein Memorial	1,723	1,723
Total assets	\$ 788,425	769,096
Liabilities and Net Assets		
Liabilities:		
Current liabilities:		
Accounts payable and accrued expenses	\$ 45,986	59,192
Deferred revenue (notes 7 and 12)	31,703	33,097
Lines of credit (note 8)	35,069	20,885
Other current liabilities (notes 13 and 14)	5,238	4,330
Total current liabilities	117,996	117,504
Bonds payable (note 13)	175,507	178,962
Funds held on behalf of others (notes 3 and 4)	10,006	9,185
Accrued employee benefits (note 15)	6,934	7,665
Other long-term liabilities (notes 2, 13 and 16)	14,783	15,516
Total liabilities	325,226	328,832
Net assets:		
Unrestricted	90,167	83,259
Temporarily restricted (note 9)	247,348	235,004
Permanently restricted (note 10)	125,684	122,001
Total net assets	463,199	440,264
Commitments and contingencies (notes 3, 12, 13, 15, 18, and 19)		
Total liabilities and net assets	\$ 788,425	769,096

See accompanying notes to financial statements.

NATIONAL ACADEMY OF SCIENCES

Statements of Activities

Years ended December 31, 2012 and 2011

(In thousands)

	2012				2011			
	Unrestricted	Temporarily restricted	Permanently restricted	Totals	Unrestricted	Temporarily restricted	Permanently restricted	Totals
Revenues, gains, and other support:								
Government contracts and grants (note 12)	\$ 251,585	—	—	251,585	277,117	—	—	277,117
Private contracts and grants	17,565	23,136	—	40,701	18,310	21,959	—	40,269
Other contributions	1,817	435	3,683	5,935	1,719	240	3,632	5,591
Fees and publications	17,631	—	—	17,631	19,204	—	—	19,204
Investment income (loss) (note 3)	11,651	29,578	—	41,229	(1,779)	(18,949)	—	(20,728)
Other income (note 13)	13,114	—	—	13,114	9,044	—	—	9,044
Net assets released from restriction (note 9)	40,805	(40,805)	—	—	33,948	(33,948)	—	—
Total revenues, gains, and other support	354,168	12,344	3,683	370,195	357,563	(30,698)	3,632	330,497
Expenses (notes 13, 15, and 16):								
Programs (note 11)	289,508	—	—	289,508	309,305	—	—	309,305
Management and general	56,109	—	—	56,109	48,165	—	—	48,165
Fundraising	2,355	—	—	2,355	2,430	—	—	2,430
Total expenses	347,972	—	—	347,972	359,900	—	—	359,900
Postretirement changes other than net periodic benefit cost (note 15)	(712)	—	—	(712)	3,458	—	—	3,458
Change in net assets	6,908	12,344	3,683	22,935	(5,795)	(30,698)	3,632	(32,861)
Net assets at beginning of year	83,259	235,004	122,001	440,264	89,054	265,702	118,369	473,125
Net assets at end of year	\$ 90,167	247,348	125,684	463,199	83,259	235,004	122,001	440,264

See accompanying notes to financial statements.

NATIONAL ACADEMY OF SCIENCES

Statements of Cash Flows

Years ended December 31, 2012 and 2011

(In thousands)

	2012	2011
Cash flows from operating activities:		
Change in net assets	\$ 22,935	(32,861)
Adjustments to reconcile change in net assets to net cash used in operating activities:		
Depreciation and amortization	7,897	6,759
Loss on disposal of property and equipment	788	—
Bad debt expense	146	104
Net (gain)/loss on investments	(30,193)	36,264
Net (gain)/loss on investments held on behalf of others	(669)	951
Amounts collected on behalf of others	(4,178)	(3,828)
Amounts remitted on behalf of others	3,881	3,791
Change in value of interest rate swap	(495)	3,752
Change in value of split-interest agreements	70	(65)
Contributions restricted for construction or endowment	(3,014)	(5,665)
(Increase) decrease in assets:		
Other receivables	1,454	4,572
Contracts receivable	5,089	(33,984)
Other current assets	920	(1,756)
Other assets	692	587
Increase (decrease) in liabilities:		
Accounts payable and accrued expenses	(13,206)	12,076
Deferred revenue	(1,394)	5,090
Other current liabilities	(284)	(225)
Funds held on behalf of others	821	(733)
Other long-term liabilities	(217)	(1,438)
Accrued employee benefits	(731)	3,047
Net cash used in operating activities	(9,688)	(3,562)
Cash flows from investing activities:		
Additions to property and equipment	(29,964)	(31,594)
Sales or maturities of investments	187,021	288,233
Purchases of investments	(183,920)	(291,726)
Net cash used in investing activities	(26,863)	(35,087)
Cash flows from financing activities:		
Contributions restricted for construction or endowment	3,014	5,665
Proceeds from lines of credit	181,868	147,518
Payments on lines of credit	(167,684)	(136,633)
Payments on bank note	(63)	(694)
Payments on bond principal	(2,100)	(2,000)
Decrease in bond proceeds held by trustee	22,512	24,704
Net cash provided by financing activities	37,547	38,560
Net increase (decrease) in cash and cash equivalents	996	(89)
Cash and cash equivalents, beginning of year	1,433	1,522
Cash and cash equivalents, end of year	\$ 2,429	1,433
Supplemental disclosure of cash flow information:		
Interest paid	\$ 5,303	5,429

See accompanying notes to financial statements.

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Notes to Financial Statements

December 31, 2012 and 2011

(1) Organization and Related Entities

(a) *National Academy of Sciences*

The National Academy of Sciences (NAS) was formed under a charter that was passed as an Act of Incorporation by the United States Congress and signed into law on March 3, 1863. NAS operates as a private cooperative society of distinguished scholars engaged in scientific or engineering research, dedicated to the furtherance of science and its use for the general welfare.

(b) *National Research Council*

Most of the activities undertaken by NAS are carried out through the divisions and boards of the National Research Council (NRC). The NRC draws on a wide cross section of the nation's leading scientists and engineers for advisory services to government agencies and Congress. To respond effectively to both the disciplinary concerns of the research community and the complex interdisciplinary problems facing American society, NRC is organized into the following five major divisions responsible for most study activities:

- Behavioral and Social Sciences and Education
- Earth and Life Studies
- Engineering and Physical Sciences
- Policy and Global Affairs
- Transportation Research Board

NRC activities are under the control of the NAS governance structure and, therefore, are included in the NAS financial statements.

(c) *Institute of Medicine*

The Institute of Medicine (IOM), established in 1970, conducts studies of policy issues related to health and medicine. IOM issues position statements on these policies, cooperates with the major scientific and professional societies in the field, identifies qualified individuals to serve on study groups in other organizational units, and disseminates information to the public and the relevant professions. IOM was established as a separate membership organization within NAS. The financial activities and results of IOM are included in the NAS financial statements.

(d) *National Academy of Engineering*

The National Academy of Engineering (NAE) was established in 1964 under the charter of NAS as a related parallel organization, autonomous in its governance, administration, and the selection of its members. NAE shares with NAS the responsibility for advising the federal government on scientific issues. The NAE conducts independent program activities and activities through the NRC. The results of both of these activities are included in the NAS financial statements.

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Notes to Financial Statements

December 31, 2012 and 2011

(e) National Academy of Engineering Fund

The National Academy of Engineering Fund (NAEF) is a separately incorporated not-for-profit organization established and controlled by NAE to raise funds to support its goals. The financial activities and results of NAEF are not included in the NAS financial statements.

(f) The National Academies' Corporation

The National Academies' Corporation (TNAC) was separately incorporated in 1986 as a not-for-profit corporation for the purpose of constructing and maintaining a study and conference facility. This facility, the Arnold and Mabel Beckman Center, located in Irvine, California, operates to expand and support the general activities of NAS, NRC, IOM, and NAE. TNAC is controlled by NAS and NAEF. The financial position and results of TNAC are not consolidated in the NAS financial statements. NAS manages the operations of the Beckman Center.

(2) Summary of Significant Accounting Policies

(a) Basis of Accounting

Net assets, revenues, gains, and losses are classified based on the existence or absence of donor-imposed restrictions. Accordingly, net assets of NAS are classified and reported as follows:

Permanently restricted – Net assets subject to donor-imposed stipulations that they be maintained in perpetuity by NAS. Generally, the donors of these assets permit NAS to use all or part of the income earned on related investments for general or specific purposes.

Temporarily restricted – Net assets subject to donor-imposed stipulations that may or will be met either by actions of NAS and/or the passage of time. When a donor restriction expires, temporarily restricted net assets are reclassified to unrestricted net assets.

Unrestricted – Net assets arising from exchange transactions and contributions not subject to donor-imposed stipulations.

(b) Cash Equivalents

NAS reports liquid, temporary investments purchased with original maturities of three months or less as cash equivalents.

(c) Investments

Investments are stated at fair value. Changes in the fair value of investments are reported within investment income in the statements of activities.

Certain investments are pooled for long-term investment purposes. Investments in the pool are administered as an open-end investment trust, with shares of the pool funds expressed in terms of participating capital units (PCUs). PCU values are used to determine equity in the allocation of investment income among funds in the pool whenever additional funds are contributed or withdrawn.

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Notes to Financial Statements

December 31, 2012 and 2011

(d) Contributions

Contributions, including unconditional promises to give, are recognized as revenues in the period received. Conditional promises to give are not recognized until all conditions are substantially met.

Gifts of land, buildings, or equipment are reported as unrestricted net assets unless explicit donor stipulations specify how the donated assets must be used. Temporary restrictions on gifts that must be used to acquire long-lived assets are released in the period in which the assets are acquired or placed in service.

Allowances are recorded for estimated uncollectible contributions based upon management's judgment and analysis of the credit worthiness of the donor, past collection experience, and other relevant factors. Contributions to be received after one year are discounted at an appropriate rate commensurate with risks involved. Amortization of the discount is recorded as additional revenue and is used in accordance with donor imposed restrictions, if any, on the contributions.

NAS performs certain fundraising activities on behalf of NAEF. NAS collected a total of \$3.9 million and \$3.5 million in 2012 and 2011, respectively, on behalf of NAEF. NAS disbursed \$3.8 million and \$3.7 million to NAEF from these collected amounts in 2012 and 2011, respectively. Amounts collected but not yet remitted to NAEF are included in other current liabilities in the statements of financial position.

(e) Contracts and Grants

The majority of NAS activities are performed under cost-reimbursable contracts with the U.S. government. For the years ended December 31, 2012 and 2011, the Department of Transportation provided 40% and 44%, respectively, of NAS government grant and contract revenue.

NAS records federal contracts as exchange transactions, recognizing revenue as recoverable costs are incurred.

Revenues from nonfederal grants qualifying as contributions are recorded by NAS upon notification of the grant award. Such grants are classified as temporarily restricted net assets when use of the grant funds is limited to specific areas of study or is designated for use in future periods.

Contracts receivable consisted of \$33.7 million of billed receivables and \$53.6 million of unbilled receivables as of December 31, 2012. Contracts receivable consisted of \$28.7 million of billed receivables and \$63.7 million of unbilled receivables as of December 31, 2011.

(f) Deferred Revenue

For both federal and nonfederal grants and contracts that are determined to be exchange transactions, revenue is recognized as the related costs are incurred. Funds received in advance of being earned for these grants are recorded as deferred revenue in the statements of financial position.

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December 31, 2012 and 2011

(g) Inventories

Inventories are stated at the lower of cost or net realizable value and include both work in-process and finished goods related to publication activities. The majority of NAS publication inventories and supplies reside with an NAS unit, the National Academy Press (NAP). NAP uses the full absorption costing methodology in pricing finished products. This methodology includes direct printing and related indirect costs. Inventories are included in other current assets in the statements of financial position.

(h) Property and Equipment

Depreciation of NAS buildings and equipment is computed on a straight-line basis using the following lives:

<u>Asset class</u>	<u>Depreciable lives</u>
Buildings	40 years
Building and leasehold improvements	Lesser of the remaining life of the building or improvement
Furniture and equipment	4 to 10 years
Capitalized software	3 to 10 years

The Einstein Memorial sculpture is valued at cost and is not depreciated. Construction-in-progress is not depreciated until the related assets are placed in service. Capitalized software is amortized over its depreciable life when it is ready for its intended use and placed in service.

(i) Split-Interest Agreements

Charitable gift annuity agreements are classified as other assets and other long-term liabilities in the statements of financial position. Periodically, NAS pays a fixed amount of the assets to the beneficiary designated by the donor. Upon termination of an annuity, the remainder interest in the assets is available for use by NAS as restricted or unrestricted assets in accordance with the donor's designation. At December 31, 2012 and 2011, NAS had charitable gift annuity assets of \$2.1 million and \$2.0 million, respectively. NAS has recorded a liability of \$1.3 million and \$1.3 million at December 31, 2012 and 2011, respectively, representing the present value of estimated future cash payments to annuitants based on the annuitant's life expectancy.

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Notes to Financial Statements

December 31, 2012 and 2011

(j) *Income Taxes*

NAS is exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code, except for unrelated business income. NAS recognizes the effect of income tax positions only if those positions are more likely than not of being sustained. NAS does not believe its financial statements include any uncertain tax positions.

(k) *Risks and Uncertainties*

NAS invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported.

(l) *Recently Adopted Accounting Pronouncements*

Effective December 31, 2012, NAS applied the guidance in Financial Accounting Standards Board (FASB) Accounting Standards Update 2011-04, *Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRSs*. This update provides guidance on how fair value measurement should be applied where existing GAAP already requires or permits fair value measurements. In addition, this guidance requires expanded disclosures regarding fair value measurements. The adoption of the measurement guidance did not have a material impact on the financial statements.

(m) *Use of Estimates*

The preparation of these financial statements in conformity with U.S. generally accepted accounting principles requires management to make certain estimates and assumptions. These estimates and assumptions may affect the reported amounts of assets and liabilities and disclosures in the financial statements. Actual results could differ from those estimates.

(n) *Reclassifications*

Certain amounts from the prior year have been reclassified to conform to the current year presentation.

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Notes to Financial Statements

December 31, 2012 and 2011

(3) Investments

Investments, which are reported at fair value (except as noted), consisted of the following as of December 31, 2012 and 2011 (in thousands):

	2012	2011
Short-term investments:		
Cash equivalents	\$ 5,520	12,779
Bonds and notes	45,269	32,129
Equity	9,902	9,404
Total short-term investments	\$ 60,691	54,312
Long-term investments:		
Investment pool, including endowment assets:		
Cash equivalents	\$ 5,413	28,429
Bonds and notes	23,302	38,902
Equity	259,788	207,239
Hedge funds	66,790	52,051
Private equity	20,657	25,555
	375,950	352,176
Other long-term investments:		
Cash equivalents	1,549	882
Bonds and notes	17,163	17,483
Equity	18,898	21,484
	37,610	39,849
Total long-term investments	\$ 413,560	392,025

NAS holds alternative investments, comprised of private equity securities and hedge funds, in its long-term investment pool. At December 31, 2012 and 2011, these funds had a fair value of approximately \$130.4 million and \$110.8 million, respectively. The hedge funds had an unrealized gain of approximately \$5.0 million for the year ended December 31, 2012 and an unrealized loss of approximately \$2.3 million for the year ended December 31, 2011. The unrealized gain or loss is included as a component of investment income in the accompanying statements of activities. Private equity investments are comprised of limited partnership interests.

TNAC, a related entity, invests certain of its assets in the NAS long-term investment pool. TNAC investments participate in the investment pool proportionally with all other funds in this pool.

The NAS obligation to TNAC for these funds held in trust, which totaled approximately \$10.0 million and \$9.2 million as of December 31, 2012 and 2011, respectively, is reported as funds held on behalf of others in the statements of financial position.

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Notes to Financial Statements

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Investment income is reported net of investment expenses of approximately \$699,000 and \$599,000 for the years ended December 31, 2012 and 2011, respectively, and is comprised of the following (in thousands):

	<u>2012</u>	<u>2011</u>
Interest and dividends income	\$ 11,036	15,536
Net gain/(loss) on investments	<u>30,193</u>	<u>(36,264)</u>
Total investment income (loss)	<u>\$ 41,229</u>	<u>(20,728)</u>

(4) Fair Value Measurements

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. FASB ASC Topic 820 establishes a fair value hierarchy, which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:

Level 1: Quoted prices in active markets for identical assets or liabilities.

Level 2: Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.

Level 3: Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

The following discussion describes the valuation methodologies used for financial assets measured at fair value. The techniques utilized in estimating the fair values are affected by the assumptions used, including discount rates and estimates of the amount and timing of future cash flows. Care should be exercised in deriving conclusions about NAS' business, its value or financial position based on the fair value information of financial assets presented below.

Fair value estimates are made at a specific point in time, based on available market information and judgments about the financial asset, including estimates of timing, amount of expected future cash flows and the credit standing of the issuer. In some cases, the fair value estimates cannot be substantiated by comparison to independent markets. In addition, the disclosed fair value may not be realized in the immediate settlement of the financial asset. Furthermore, the disclosed fair values do not reflect any premium or discount that could result from offering for sale at one time an entire holding of a particular financial asset. Potential taxes and other expenses that would be incurred in an actual sale or settlement are not reflected in amounts disclosed.

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Notes to Financial Statements

December 31, 2012 and 2011

The following methods, assumptions, and inputs were used to estimate the fair value of each class of financial instruments:

The carrying value of cash equivalents such as money market funds approximates the fair value because of the short maturity of these investments. These amounts are disclosed in Level 1.

NAS' fixed maturity investments (bonds and notes), other than U.S. Treasury securities, generally do not trade on a daily basis. The fair value estimates of such debt securities are based on prices provided by NAS' investment managers and custodian bank. Both the investment managers and the custodian bank use a variety of pricing sources to determine market valuations. Each designate specific pricing services or indexes for each sector of the market based upon the provider's expertise. NAS' debt securities portfolio is highly liquid, which allows for a high percentage of the portfolio to be priced through pricing services. Accordingly, the estimates of fair value for such debt securities are included in Level 2 inputs. The estimated values of U.S. Treasury securities are based on actively traded market prices and are accordingly included in the bonds and notes amount in Level 1.

Fair values of exchange-traded equity securities have been determined by NAS from observable market quotations on major trade exchanges. Accordingly, such equity securities are disclosed in Level 1.

NAS also invests in debt and equity mutual funds. For purposes of the fair value disclosure, mutual funds are presented based on the class of the underlying investment holdings. The fair values of such mutual funds are based on observable market information from active markets. Accordingly, the estimates of fair value for such mutual funds are included in Level 1.

Fair value of alternative investments including private equity securities and hedge funds is based on the alternative investment fund managers' net asset value (NAV). For purposes of the fair value disclosure, long-short equity hedge funds are presented based on the class of the underlying equity exposure. Valuations provided by alternative investment fund managers include estimates, appraisals, assumptions and methods that are reviewed by management. When necessary, NAS adjusts NAV for contributions and distributions subsequent to the latest NAV valuation date when calculating fair value. NAS analyzes the NAVs provided by alternative investment fund managers on a regular basis considering relevant economic and market conditions, applicable benchmarks and our understanding of the nature and related risks of the investments. Since the most significant valuation inputs are not observable in the marketplace, the alternative investment valuations are disclosed in Level 2 or Level 3. The distinction is that those funds which are available for redemption in the near term at NAV are included in Level 2.

Funds on deposit with trustee are held in U.S. Treasury securities or funds of U.S. Treasury securities and therefore included in Level 1. Charitable gift annuity investments and deferred compensation investments are held in debt and equity mutual funds along with some U.S. Treasury securities, all of which are included in Level 1. The deferred compensation obligation to employees is equal to the fair value of the investments held and is disclosed in the same levels as the investment assets.

NAS has interest rate swap agreements covering the variable-rate bonds payable. The fair value of the swaps are determined using pricing models based on observable market data such as prices of instruments with similar maturities and characteristics, interest rate yield curves, and measures of interest rate volatility. The value was determined after considering the potential impact of collateralization and netting

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Notes to Financial Statements

December 31, 2012 and 2011

agreements, adjusted to reflect nonperformance risk of both the counterparty and NAS. Accordingly, the interest rate swaps are included in Level 2.

The funds held on behalf of others liability approximates the investments held in NAS' long-term investment pool on behalf of TNAC. Therefore, the liability is disclosed in the same levels as the investment assets.

NAS' policy is to recognize transfers between levels of the fair value hierarchy as of the end of the reporting period in which the event or change in circumstances occurred. During 2012, there were no transfers among levels. During 2011, certain investments were transferred from Level 3 to Level 2 due to the expiration of lock up periods allowing for redemption in the near term.

The following table presents NAS' fair value hierarchy for those assets and liabilities measured at fair value on a recurring basis at December 31, 2012 (in thousands):

	Fair value	Fair value measurements using		
		Level 1	Level 2	Level 3
Financial assets:				
Short-term and long-term investments:				
Cash equivalents	\$ 12,482	12,482	—	—
Bonds and notes				—
U.S. treasuries/government bonds	7,610	7,610	—	—
Mortgage-backed securities	31,946	1,020	30,926	—
Corporate bonds	23,935	12,458	11,477	—
Non-U.S. fixed income	22,243	22,243	—	—
Equity				
U.S. large equity	104,008	70,411	24,768	8,829
U.S. small/mid equity	46,789	46,789	—	—
Non-U.S. equity (developed)	74,407	65,040	9,367	—
Non-U.S. equity (emerging)	50,007	50,007	—	—
Real estate	13,377	13,377	—	—
Hedge funds				
Fund of funds – multi-strategies	27,175	—	27,175	—
Multi-strategies/multi-vehicle	35,170	—	22,965	12,205
Fixed income single strategy	4,445	—	4,445	—
Private equity				
Asia	16,360	—	—	16,360
Global	2,999	—	—	2,999
Domestic	1,298	—	—	1,298
Total short-term and long-term investments	474,251	301,437	131,123	41,691

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	Fair value	Fair value measurements using		
		Level 1	Level 2	Level 3
Charitable gift annuity assets:				
Cash equivalents	39	39	—	—
Bonds and notes				
U.S. treasuries/government bonds	153	153	—	—
Mortgage-backed securities	340	340	—	—
Corporate bonds	105	105	—	—
Equity				
U.S. small/mid equity	1,477	1,477	—	—
	<u>2,114</u>	<u>2,114</u>	<u>—</u>	<u>—</u>
Total charitable gift annuity assets	<u>2,114</u>	<u>2,114</u>	<u>—</u>	<u>—</u>
Deferred compensation assets:				
Cash equivalents	61	61	—	—
Bonds and notes				
Corporate bonds	344	344	—	—
Equity				
U.S. large equity	169	169	—	—
U.S. small/mid equity	967	967	—	—
Non-U.S. equity (developed)	231	231	—	—
	<u>1,772</u>	<u>1,772</u>	<u>—</u>	<u>—</u>
Total deferred compensation assets	<u>1,772</u>	<u>1,772</u>	<u>—</u>	<u>—</u>
Total financial assets	<u>\$ 478,137</u>	<u>305,323</u>	<u>131,123</u>	<u>41,691</u>
Financial liabilities:				
Funds held on behalf of others	\$ 10,006	6,535	2,361	1,110
Deferred compensation liability	1,806	1,806	—	—
Interest rate swaps	13,589	—	13,589	—
	<u>25,401</u>	<u>8,341</u>	<u>15,950</u>	<u>1,110</u>
Total financial liabilities	<u>\$ 25,401</u>	<u>8,341</u>	<u>15,950</u>	<u>1,110</u>

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The following table presents NAS' fair value hierarchy for those assets and liabilities measured at fair value on a recurring basis at December 31, 2011 (in thousands):

	<u>Fair value</u>	<u>Fair value measurements using</u>		
		<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
Financial assets:				
Short-term and long-term investments:				
Cash equivalents	\$ 42,090	42,090	—	—
Bonds and notes				
U.S. treasuries/government bonds	8,310	7,367	943	—
Mortgage-backed securities	37,603	17,014	20,589	—
Corporate bonds	20,737	11,009	9,728	—
Non-U.S. fixed income	21,864	21,864	—	—
Equity				
U.S. large equity	70,157	47,994	14,438	7,725
U.S. small/mid equity	43,441	43,441	—	—
Non-U.S. equity (developed)	65,019	57,056	7,963	—
Non-U.S. equity (emerging)	47,794	44,653	3,141	—
Real estate	11,716	11,716	—	—
Hedge funds				
Fund of funds – multi-strategies	26,540	—	26,540	—
Multi-strategies/multi-vehicle	23,063	—	11,840	11,223
Fixed income single strategy	2,448	—	2,448	—
Private equity				
Asia	20,450	—	—	20,450
Global	3,560	—	—	3,560
Domestic	1,545	—	—	1,545
	<u>446,337</u>	<u>304,204</u>	<u>97,630</u>	<u>44,503</u>
Deposit with trustee:				
Bonds and notes				
U.S. treasuries/government bonds	22,512	22,512	—	—
Total deposit with trustee	<u>22,512</u>	<u>22,512</u>	<u>—</u>	<u>—</u>

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	Fair value	Fair value measurements using		
		Level 1	Level 2	Level 3
Charitable gift annuity assets:				
Cash equivalents	74	74	—	—
Bonds and notes				
U.S. treasuries/government bonds	75	75	—	—
Mortgage-backed securities	397	397	—	—
Corporate bonds	93	93	—	—
Equity				
U.S. small/mid equity	1,329	1,329	—	—
Total charitable gift annuity assets	1,968	1,968	—	—
Deferred compensation assets:				
Bonds and notes				
U.S. treasuries/government bonds	76	76	—	—
Corporate bonds	434	434	—	—
Equity				
U.S. large equity	187	187	—	—
U.S. small/mid equity	1,002	1,002	—	—
Non-U.S. equity (developed)	232	232	—	—
Total deferred compensation assets	1,931	1,931	—	—
Total financial assets	\$ 472,748	330,615	97,630	44,503
Financial liabilities:				
Funds held on behalf of others	\$ 9,185	6,293	1,731	1,161
Deferred compensation liability	1,931	1,931	—	—
Interest rate swaps	14,109	—	14,109	—
Total financial liabilities	\$ 25,225	8,224	15,840	1,161

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The following table presents the changes in Level 3 assets measured at fair value on a recurring basis for the year ended December 31, 2012 (in thousands):

	<u>Balance beginning of year</u>	<u>Net gain (loss) on investments</u>	<u>Purchases</u>	<u>Sales</u>	<u>Transfers out of level 3</u>	<u>Balance end of year</u>
Equity:						
U.S. large equity	\$ 7,725	1,104	—	—	—	8,829
Hedge funds:						
Multi-strategies /multi-vehicle	11,223	982	—	—	—	12,205
Private equity:						
Asia	20,450	(3,836)	967	(1,221)	—	16,360
Global	3,560	(23)	—	(538)	—	2,999
Domestic	1,545	(109)	—	(138)	—	1,298
	<u>\$ 44,503</u>	<u>(1,882)</u>	<u>967</u>	<u>(1,897)</u>	<u>—</u>	<u>41,691</u>

The following table presents the changes in Level 3 assets measured at fair value on a recurring basis for the year ended December 31, 2011 (in thousands):

	<u>Balance beginning of year</u>	<u>Net gain (loss) on investments</u>	<u>Purchases</u>	<u>Sales</u>	<u>Transfers out of level 3</u>	<u>Balance end of year</u>
Equity:						
U.S. large equity	\$ 6,716	(1,491)	2,500	—	—	7,725
Non-U.S. equity (developed)	6,770	(1,307)	2,500	—	(7,963)	—
Hedge funds:						
Multi-strategies /multi-vehicle	11,028	195	—	—	—	11,223
Private equity:						
Asia	12,725	7,203	1,703	(1,181)	—	20,450
Global	4,840	457	25	(1,762)	—	3,560
Domestic	2,005	208	—	(668)	—	1,545
	<u>\$ 44,084</u>	<u>5,265</u>	<u>6,728</u>	<u>(3,611)</u>	<u>(7,963)</u>	<u>44,503</u>

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The following table presents the nature and risk of assets with fair values estimated using NAV held at December 31, 2012 (in thousands):

	<u>Fair value</u>	<u>Unfunded commitments</u>	<u>Redemption frequency</u>	<u>Redemption notice period</u>
U.S. large equity (a)	\$ 33,597	N/A	Quarterly/ Annually	45 days/ 365 days
Non-U.S. equity (developed) (b)	9,367	N/A	Monthly	45 days
Fund of hedge funds – multi-strategies (c)	27,175	N/A	Quarterly	90 days
Hedge fund – multi-strategies/ multi-vehicle (d)	35,170	N/A	Quarterly/ Annually	45 days/ 365 days
Hedge fund – fixed income single strategy (e)	4,445	N/A	Quarterly	30 days
Private equity – Asia (f)	16,360	5,770	N/A	N/A
Private equity – Global (g)	2,999	234	N/A	N/A
Private equity – Domestic (h)	1,298	303	N/A	N/A
Total	<u>\$ 130,411</u>	<u>6,307</u>		

Notes:

- (a) This category relates to long-short equity hedge funds comprised of equity investments in U.S. large cap. Each of these funds buys investments long and sells short with the ability to use leverage. These funds can also invest in derivative instruments such as forward, futures and option contracts. The fair values of the investments in this category have been estimated using the net asset value per share of the investments. Approximately \$24.8 million of investments in this category is redeemable within the near term from December 31, 2012.
- (b) This category relates to a long-short equity hedge fund comprised of equity investments in Non-U.S. developed countries. This fund buys investments long and sells short with the ability to use leverage. This fund can also invest in derivative instruments such as forward, futures and option contracts. The fair value of the investment in this category has been estimated using the net asset value per share of the investment. Approximately \$9.4 million of investment in this category is redeemable within the near term from December 31, 2012.
- (c) This class includes investments in funds of hedge funds that use multiple strategies to obtain total returns on a leveraged basis. Direct and indirect investments are made using equity long/short, event driven, relative value, and tactical trading strategies. The funds have investments in multiple investees which may trade various financial instruments such as, but not limited to, securities sold short, futures, forwards, swaps, and written options. The fair values of the investments in this class have been estimated using the NAV per share of the investments.

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- (d) This class includes investments in multi-strategy, multi-vehicle hedge funds with the objective of maximizing long-term, risk-adjusted returns and capital appreciation by investing in securities, investment funds, discretionary accounts, and investment partnerships across a broad range of marketable and alternative asset classes. Asset classes include domestic and international marketable equity securities, hedged equity, real estate, natural resource, fixed income, and private equity and absolute return strategies, primarily focused in the United States. The fair values of the investments in this class have been estimated using the NAV per share of the investments.
- (e) This class includes investments in a single strategy hedge fund focused on undervalued fixed income securities. Investments held by this fund consist of U.S. government agency mortgage-backed securities and derivatives, primarily in the form of collateralized mortgage obligations. Securities are generally held in the portfolio as long as interest rates and repayment rates are unfolding as anticipated. The majority of the investment return is expected to come from trading mortgage-backed securities in an attempt to maximize interest income. The fair values of the investments in this class have been estimated using the NAV per share of the investments.
- (f) This class includes several private equity funds that invest in equity, debt or debt-oriented instruments, primarily in privately held companies which own or contractually control operating entities located in the People's Republic of China and India. Investments held in India primarily include equity securities of "early to early growth stage" companies in multiple sectors, except real estate. The fair values of these investments have been estimated using the NAV of NAS' ownership interest in partners' capital. These investments can never be redeemed with the funds. Instead, the nature of the investments in this class is that distributions are received through liquidation of the underlying assets of the funds. It is estimated that the underlying assets of the funds will be liquidated over 1 to 10 years.
- (g) This class includes several global private equity funds with diverse portfolios consisting primarily of venture capital funds, leveraged buyout funds, mid-stage growth capital funds, and international private equity funds. These investments are focused on several industries including, but not limited to, insurance, services, and consumer-related industries. The fair values of these investments have been estimated using the NAV of NAS' ownership interest in partners' capital. These investments can never be redeemed with the funds. Instead, the nature of the investments in this class is that distributions are received through liquidation of the underlying assets of the funds. It is estimated that the underlying assets of the funds will be liquidated over 1 to 3 years.
- (h) This class includes several domestic private equity funds which make investments in domestic equity securities, warrants or other securities that are generally not actively traded at the time of investment. These investments are focused on several industries including, but not limited to, insurance, financial services, consumer-related, and communications. The fair values of these investments have been estimated using the NAV of NAS' ownership interest in partners' capital. These investments can never be redeemed with the funds. Instead, the nature of the investments in this class is that distributions are received through liquidation of the underlying assets of the funds. It is estimated that the underlying assets of the funds will be liquidated over 1 year.

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(5) Property and Equipment

Property and equipment as of December 31, 2012 and 2011, is comprised of the following (in thousands):

	2012	2011
Land	\$ 29,689	29,689
Furniture and equipment	31,167	31,298
Buildings and improvements	174,395	109,631
Capitalized software	13,291	11,631
Construction in progress	312	41,921
Leasehold improvements	3,327	4,701
	252,181	228,871
Less accumulated depreciation and amortization	(71,391)	(69,220)
Total property and equipment, net	\$ 180,790	159,651

(6) Contributions Receivable

Contributions not yet collected are included in contributions and other receivables (current) and contributions receivable (long-term) in the statements of financial position, and mature as follows (in thousands):

Less than one year	\$ 11,733
One to five years	15,844
	27,577
Less:	
Discount at rates from 0.73% to 6.75% to estimated net present value	(894)
Allowance for uncollectible contributions	(845)
	25,838
Less current portion	(10,888)
Total contributions receivable, long-term	\$ 14,950

At December 31, 2011, the discount on contributions receivable was approximately \$1.5 million at rates ranging from 1.20% to 6.75% and the allowance for uncollectible contributions was approximately \$700,000.

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(7) Deferred Revenue

Deferred revenue consisted of the following as of December 31, 2012 and 2011 (in thousands):

	2012	2011
Advances from private grants and contract sponsors	\$ 16,767	15,771
Advances from U.S. government sponsors	8,368	12,539
Publication subscriptions and other	6,568	4,787
Total deferred revenue	\$ 31,703	33,097

(8) Lines of Credit

Until December 2012, NAS was party to a \$34 million unsecured line of credit from Bank of America, which bore interest at LIBOR plus 0.65%. NAS was also party to a \$15 million unsecured line of credit from Wells Fargo, which bore interest at LIBOR plus 0.65%.

In December 2012, NAS terminated the lines of credit with Bank of America and Wells Fargo and entered into two new line of credit agreements. Under the new lines of credit, NAS is party to a \$35 million line of credit from Wells Fargo, which bears interest at LIBOR plus 0.55% and expires on December 3, 2013, and a \$15 million line of credit from TD Bank, which bears interest at LIBOR plus 0.65% and expires on August 31, 2013. NAS has pledged and granted to each bank a security interest in NAS' gross revenues.

Interest expense related to the lines of credit for the years ended December 31, 2012 and 2011, was approximately \$213,000 and \$216,000, respectively.

(9) Temporarily Restricted Net Assets

Temporarily restricted net assets were available for the following purposes as of December 31, 2012 and 2011 (in thousands):

	2012	2011
Sponsored research and advisory programs	\$ 143,984	140,134
General endowment	74,007	68,311
Prizes and awards	26,334	23,881
Woods Hole facility	3,023	2,678
Total temporarily restricted net assets	\$ 247,348	235,004

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Temporarily restricted net assets were released from restriction for the following purposes during the years ended December 31, 2012 and 2011 (in thousands):

	2012	2011
Sponsored research and advisory programs	\$ 35,561	28,205
General endowment	4,203	4,532
Prizes and awards	779	934
Woods Hole facility	262	277
Total temporarily restricted net assets released from restriction	\$ 40,805	33,948

(10) Endowment

(a) Permanently Restricted Net Assets

The income generated by permanently restricted net assets is available to support donor-specified programs. As of December 31, 2012 and 2011, NAS held the following permanently restricted net assets, classified by the purpose for which the income is to be used (in thousands):

	2012	2011
Sponsored research and advisory programs	\$ 84,505	80,972
General endowment	32,524	32,374
Prizes and awards	5,116	5,116
Woods Hole facility	3,539	3,539
Total permanently restricted net assets	\$ 125,684	122,001

(b) Endowment Assets

The NAS endowment consists of approximately 110 individual funds established to support general operations, sponsored research and advisory programs, prizes and awards, and the operations of the Woods Hole facility. The endowment is comprised solely of donor-restricted endowment funds. The investments of the endowment are included in the NAS long-term investment pool, as described in note 3.

Interpretation of Relevant Law

NAS has interpreted the District of Columbia “Uniform Prudent Management of Institutional Funds Act of 2007” (the Act) as requiring NAS, absent explicit donor stipulations to the contrary, to act in good faith and with the care that an ordinarily prudent person in a like position would exercise under similar circumstances in making determinations to appropriate or accumulate endowment funds, taking into account both its obligation to preserve the value of the endowment and its obligation to use the endowment to achieve the purposes for which it was donated. NAS classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, (b) the

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original value of subsequent gifts to the permanent endowment, and (c) accumulations to the permanent endowment required by the applicable donor gift instrument. The remaining portion of donor-restricted endowment funds that are not classified as permanently restricted are classified as temporarily restricted net assets until those amounts are appropriated for expenditure by NAS. In making a determination to appropriate or accumulate, NAS adheres to the standard of prudence prescribed by the Act and considers the following factors:

- (1) The duration and preservation of the endowment fund;
- (2) The purposes of the institution and the endowment fund;
- (3) General economic conditions;
- (4) The possible effect of inflation or deflation;
- (5) The expected total return from income and the appreciation of investments;
- (6) Other resources of the institution; and
- (7) The investment policy of the institution

Return Objectives and Strategies

NAS has adopted an investment and spending policy for endowment assets that is designed to provide a predictable stream of funding to programs supported by the endowment while seeking to protect the real purchasing power of the assets from inflation. Accordingly, NAS has adopted guidelines which feature a material commitment to equity and equity-like investments.

The asset allocation guidelines are as follows:

<u>Asset category</u>	<u>Guideline percentage</u>
U.S. large equity	19%
U.S. small/mid cap equity	9
Non-U.S. equity (developed)	20
Non-U.S. equity (emerging)	15
Real estate	3
Total equity	<u>66</u>
U.S. fixed income/cash	9
Non-U.S. fixed income	5
Total fixed	<u>14</u>
Multi-strategy and private equity funds	<u>20</u>
Total	<u><u>100%</u></u>

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NAS has adopted a spending policy that limits the annual spending to 5% of the three-year average fair value of the participating funds in the endowment portfolio. This is consistent with NAS' objective to maintain the purchasing power of the endowment assets held in perpetuity as well as to provide additional real growth through new gifts and investment return.

Changes in endowment assets for the fiscal year ended December 31, 2012 are as follows (in thousands):

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Endowment assets, beginning of year	\$ (160)	155,031	119,817	274,688
Investment return:				
Interest and dividend income	—	7,262	—	7,262
Net gain on investments	158	19,459	—	19,617
Total investment return	158	26,721	—	26,879
Contributions	—	—	3,014	3,014
Amounts appropriated for expenditure	—	(10,681)	—	(10,681)
Other changes:				
2011 appropriation expended in 2012	—	(5,066)	—	(5,066)
Unspent purpose restricted appropriations	—	5,864	—	5,864
Accrued expenses withdrawn in 2013	—	260	—	260
Endowment assets, end of year	\$ <u>(2)</u>	<u>172,129</u>	<u>122,831</u>	<u>294,958</u>

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Changes in endowment assets for the fiscal year ended December 31, 2011 are as follows (in thousands):

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Endowment assets, beginning of year	\$ —	180,868	114,202	295,070
Investment return (loss):				
Interest and dividend income	—	10,445	—	10,445
Net loss on investments	(160)	(27,530)	—	(27,690)
Total investment return (loss)	(160)	(17,085)	—	(17,245)
Contributions	—	—	5,615	5,615
Amounts appropriated for expenditure	—	(11,205)	—	(11,205)
Other changes:				
2010 appropriation expended in 2011	—	(2,613)	—	(2,613)
Unspent purpose restricted appropriations	—	4,429	—	4,429
Accrued expenses withdrawn in 2012	—	637	—	637
Endowment assets, end of year	<u>\$ (160)</u>	<u>155,031</u>	<u>119,817</u>	<u>274,688</u>

Funds with Deficiencies

From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the original value of the gift donated to the permanent endowment. Deficiencies of this nature are reported as unrestricted net assets. At December 31, 2012, there was one endowment fund with a fair value below the original value of the gift. At December 31, 2011, there were three endowment funds with a fair value below the original value of the gift. These deficiencies were primarily a result of unfavorable market fluctuations that occurred shortly after the investment of new permanently restricted contributions. Subsequent gains that restore the fair value of the assets of the endowment fund to the required level are classified as an increase in unrestricted net assets.

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(11) Program Expenses

Program expenses for the years ended December 31, 2012 and 2011 are summarized as follows (in thousands):

	2012	2011
Transportation Research Board	\$ 100,840	126,172
Policy and Global Affairs	66,521	58,527
Institute of Medicine	45,779	37,459
Earth and Life Studies	17,688	21,720
Engineering and Physical Sciences	17,828	20,380
Behavioral and Social Sciences and Education	10,825	11,775
Proceedings of the National Academy of Sciences	12,968	12,370
National Academy Press	3,096	3,964
National Academy of Engineering	3,879	3,614
Koshland Science Museum	2,307	2,316
NAS	7,777	11,008
Total program expenses	\$ 289,508	309,305

(12) Recovery of Indirect Costs

NAS receives indirect cost recovery on its federal contracts and grants. An overhead assessment is applied to direct salaries, accrued leave, fringe benefits, and services provided by outside contractors (e.g., temporary personnel agencies, consultants) on NAS property. A general and administrative assessment (G&A) is applied to direct costs and overhead less subcontract costs and stipends. Therefore, both the overhead and G&A rates are applied to projects incurring direct salaries and other direct costs such as travel. If a program does not require direct salaries, such as a travel grant program, a subcontract/flow-through administration rate is applied. Certain off-site work (not performed on NAS property) is assessed reduced overhead rates.

NAS bills for indirect cost recovery throughout the year based on negotiated rates. At the end of each year, NAS compares actual expenses incurred in each of its cost pools to the amounts recovered based on its billing rates. The difference is recorded as its indirect cost carryforward. If NAS over recovers on its indirect costs during the year, a liability is recorded. If NAS under recovers, a receivable is recorded.

NAS has a cumulative net overrecovery of approximately \$5.1 million and \$9.9 million as of December 31, 2012 and 2011, respectively. The overrecovery is included in the deferred revenue balance in the statements of financial position.

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(13) Building Project and Financing

(a) *Building Project Revenue Bonds*

In January 1999, the District of Columbia issued Series 1999A, Series 1999B, and Series 1999C tax-exempt revenue bonds on behalf of NAS. Proceeds from the sale of the revenue bonds financed the cost of the acquisition of 44,250 square feet of land and related construction of an office building, as well as paid certain costs of issuing the bonds. This building consolidates most of NAS' program activities into one location.

In June 2008, the District of Columbia issued Series 2008A tax-exempt revenue bonds in the amount of \$66,325,000 on behalf of NAS. The proceeds were used to refund the Series 1999B and Series 1999C revenue bonds, as well as pay certain costs of issuing the bonds.

In April 2009, the District of Columbia issued Series 2009A tax-exempt revenue bonds in the amount of \$57,500,000 on behalf of NAS. The proceeds were used to refund the Series 1999A revenue bonds, as well as pay certain costs of issuing the bonds.

In May 2010, the District of Columbia issued Series 2010A tax-exempt revenue bonds in the amount of \$59,550,000 on behalf of NAS. These bonds were sold to finance the cost to restore the NAS headquarters building on Constitution Avenue in Washington, D.C. and pay for certain costs of issuance. The restoration was completed in 2012.

The bond proceeds were held by a Trustee and invested in U.S. government obligations or funds of U.S. government obligations. The Trustee reimbursed NAS and third-party vendors for expenditures related to the restoration project.

In December 2012, NAS remarketed the Series 2008A and 2009A bonds as direct bank purchases. The Series 2008A bonds were purchased by Wells Fargo Municipal Capital Strategies LLC; the Series 2009A bonds were purchased by TD Bank, N.A. Both agreements stipulate mandatory repurchase in December 2020 at which point NAS could renew the direct purchase agreements, remarket the bonds, or repurchase the bonds.

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NAS is obligated under the revenue bonds as follows (in thousands):

	2012	2011
Series 2008A revenue bonds, term, at flexible rates (0.3% in 2012 and 0.2% in 2011) maturing at various dates from January 1, 2013 through 2039	\$ 66,325	66,325
Series 2009A revenue bonds, term, at flexible rates (0.3% in 2012 and 0.3% in 2011) maturing at various dates from January 1, 2012 through 2028	52,120	54,220
Series 2010A revenue bonds, serial, with interest rates ranging from 3.0% to 5.0%, maturing at various dates from April 1, 2013 through 2030	29,385	29,385
Series 2010A revenue bonds, term:		
Interest rate 5%, maturing April 1, 2035	13,205	13,205
Interest rate 5%, maturing April 1, 2040	16,960	16,960
Total bonds, at face value	177,995	180,095
Plus unamortized premium	967	1,108
Total bonds payable	178,962	181,203
Less current portion (included in other current liabilities)	(3,455)	(2,241)
Bonds payable, long-term	\$ 175,507	178,962

The serial and term bonds represent unsecured general obligations of NAS.

Interest on the 2008A and 2009A bonds is payable monthly. Interest on the 2010A bonds is payable semiannually every April 1 and October 1.

The term bonds maturing on April 1, 2035, and April 1, 2040, are subject to mandatory redemption by operation of sinking fund installments. Installment payments for the term bond maturing April 1, 2035, begin on April 1, 2031, and range from \$2.4 to \$2.9 million per year through the maturity date. Installment payments for the term bond maturing April 1, 2040, begin on April 1, 2036, and range from \$3.1 to \$3.8 million per year through the maturity date.

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Scheduled maturities and sinking fund requirements are as follows (in thousands):

Years ending December 31:	
2013	\$ 3,325
2014	3,475
2015	3,645
2016	3,820
2017	4,005
Thereafter	<u>159,725</u>
	<u>\$ 177,995</u>

The carrying value of bonds payable in the financial statements was approximately \$5.2 million and \$2.5 million less than fair value as of December 31, 2012 and 2011, respectively. NAS estimated the fair value of bonds payable through valuations provided by an independent financial institution. If measured at fair value in the statement of financial position, the bonds payable would be categorized as Level 2 in the fair value hierarchy.

Interest expense on the bonds payable for 2012 and 2011 totaled \$2.9 million and \$2.9 million, respectively. Of this amount, \$1.1 million and \$2.4 million was capitalized as part of the building restoration project for 2012 and 2011, respectively.

(b) Interest Rate Swaps

In October 1999, NAS entered into a swap agreement, with an effective date of February 1, 2000, relating to the \$66 million face amount of its Series 1999A revenue bonds. The agreement provides for NAS to receive 4.97% in interest on a notional amount of \$65 million and to pay interest at a floating rate option based on the weekly interest rate resets of tax-exempt variable-rate issues per the Securities Industry and Financial Markets Association (SIFMA) Municipal Swap Index. NAS amended the agreement for the 2005 – 2020 period by agreeing to give up the benefit of any 30-day period during which the SIFMA index remains below 2.25% for the entire 30 days. Each time this occurs, the rate on the swap portfolio reverts to the fixed rate noted above for that month only.

NAS entered into this fixed-to-variable swap agreement to manage its exposure to interest rate changes. The fixed-rate debt obligations exposed NAS to variability in the cost recovery stream due to changes in interest rates. NAS recovers the costs of borrowing through a capital investment incentive rate that is set by the U.S. government and is tied to a variable index. If interest rates increase, the capital investment incentive recovery increases.

Conversely, if interest rates decrease, the capital investment incentive recovery decreases. Therefore, NAS entered into a derivative instrument that ties the fixed-rate debt to a variable index to manage fluctuations in cash flows resulting from interest rate risk. By using derivative financial instruments to hedge exposures to changes in interest rates, NAS exposes itself to credit risk and market risk. Credit risk is the failure of the counterparty to perform under the terms of the derivative contract. When the fair value of a derivative contract is positive, the counterparty owes NAS, which creates credit risk for NAS. When the fair value of a derivative contract is negative, NAS owes the

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counterparty, and therefore, it does not possess credit risk. NAS minimizes the credit risk in derivative instruments by entering into transactions with high-quality counterparties.

In May 2009, NAS entered into an additional swap agreement as a result of a counterparty exercising a swaption related to the Series 1999A Revenue Bonds. The variable-to-fixed swap requires NAS to pay 5.00% on a notional amount of \$55 million and to receive a floating rate equal to 67% of 1-month LIBOR plus 0.41%.

NAS entered into this variable-to-fixed swap agreement in order to preserve the synthetic variable rate achieved through the 1999 swap agreement once the fixed-rate Series 1999A bonds were refunded with the variable-rate Series 2009A bonds.

With regard to the fixed-to-variable interest rate swap, NAS recorded a gain on the change in the fair value of its swap agreement of \$163,000 and \$20,000, for the years ended December 31, 2012 and 2011, respectively, which is included in other income in the accompanying statements of activities. The fair value of the interest rate swap was recorded as an asset of \$201,000 and \$37,000 as of December 31, 2012 and 2011, respectively, and is included in other assets in the statements of financial position.

Pertaining to the swaption and resultant variable-to-fixed interest rate swap, NAS recorded a gain on the change in the fair value of approximately \$516,000 for the year ended December 31, 2012 and a loss of approximately \$3.6 million for the year ended December 31, 2011. The gain and loss, respectively, are included in other income in the statements of activities. The fair value of the swap is recorded as a liability of approximately \$13.6 million and \$14.1 million as of December 31, 2012 and 2011, respectively, and is included in other current liabilities and other long-term liabilities.

(14) Note Payable

During 2006, NAS entered into a loan agreement with Bank of America for an amount up to \$5 million. The principal balance of this note was payable in equal monthly installments until January 1, 2012. There was no outstanding principal balance due on the note as of December 31, 2012. On December 31, 2011, the principal balance was approximately \$0.1 million. The note bore interest at 30-day LIBOR plus 40 basis points. The interest rate at December 31, 2011 was 0.69%.

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(15) Employee Benefits

(a) *Retirement Plans*

NAS has a noncontributory defined contribution retirement plan covering substantially all of its employees (based on certain benefit eligibility requirements). The funding vehicles under the plan consist of group investments issued by Teachers Insurance and Annuity Association (TIAA) and College Retirement Equities Fund (CREF), known collectively as TIAA-CREF, as well as mutual funds issued by TIAA-CREF, Vanguard Fiduciary Trust Company, and other third-parties. Participants in this plan vest immediately. NAS has received a favorable determination letter from the IRS on the qualification of this plan under Section 401(a) of the Internal Revenue Code.

In addition, NAS has a voluntary employee contribution retirement plan that is funded solely by employee contributions made on a pretax salary-reduction basis under Section 403(b) of the Internal Revenue Code. The funding vehicles under the plan consist of group investments issued by TIAA and CREF, as well as mutual funds issued by TIAA-CREF, Vanguard Fiduciary Trust Company, and other third-parties.

Pension expense for the years ended December 31, 2012 and 2011, amounted to approximately \$12.6 million and \$12.4 million, respectively. The NAS policy is to fund pension benefits as they are earned. The NAS normal retirement age is 60, but there is no mandatory age for retirement.

(b) *Deferred Compensation*

NAS holds long-term investments as part of a frozen deferred compensation arrangement for certain employees. The fair value of these investments was approximately \$1.8 million and \$1.9 million as of December 31, 2012 and 2011, respectively, which is reported within other assets in the statements of financial position. The related obligation is included in accrued employee benefits in the statements of financial position.

(c) *Postretirement and Postemployment Benefits*

NAS provides certain health and life insurance benefits for employees retired due to length of service. All benefit-eligible employees may become eligible for service retiree benefits if they reach age 60 while working for NAS and complete 5 years of service in a benefit-eligible status for medical and life insurance benefits. In addition, certain health and life insurance benefits are provided for employees retired due to disability. A benefit-eligible employee may become eligible for disabled retiree benefits if deemed totally disabled under NAS' long-term disability insurance or if they are eligible for disability benefits from the Social Security Administration. Life insurance benefits are provided based on coverage at date of disability and health insurance may be continued if the disabled retiree had participated in an NAS health insurance plan for 5 years at the date of disability. Insurance companies whose premiums are determined on an experience-rated basis provide life and health insurance benefits for retirees. Medicare supplement insurance is not experience rated. The retiree welfare benefit plan is contributory for health insurance purposes for employees who retired on or after January 1, 1990. Participant contributions for health insurance are based on a percentage of the monthly premium paid by NAS (from 25% to 100%). The participant contribution is also based on their date of retirement, length of service and choice of health insurance carrier.

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NAS has elected to recognize the initial postretirement benefit obligation over a period of 20 years. The accrued postretirement benefit obligation is reported in accrued employee benefits in the statements of financial position.

Postretirement changes other than net periodic benefit cost are as follows (in thousands):

	2012	2011
Net actuarial loss	\$ 216	3,908
Recognized net actuarial loss	(692)	(214)
Recognized prior service cost	(210)	(210)
Recognized net initial obligation	(26)	(26)
Total	\$ (712)	3,458

Items not yet recognized as a component of net periodic benefit cost at December 31, 2012 and 2011 are as follows (in thousands):

	2012	2011
Net actuarial loss	\$ 6,964	7,441
Prior service cost	512	722
Unrecognized net initial obligation	39	64
Total	\$ 7,515	8,227

The estimated amounts, measured at year-end, that are expected to be recognized in the net periodic benefit cost over the next fiscal year for the postretirement benefit plan are as follows (in thousands):

	2012	2011
Prior service cost	\$ 210	210
Recognized actuarial loss	583	692
Recognized net initial obligation	26	26
Total	\$ 819	928

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December 31, 2012 and 2011

The following table presents the changes in benefit obligations, changes in plan assets, funded status, and the components of net periodic benefit cost for the year ended December 31, 2012 and 2011 (in thousands):

	<u>2012</u>	<u>2011</u>
Change in benefits obligation:		
Benefits obligation, beginning of year	\$ 25,938	22,484
Service cost	803	669
Interest cost	1,146	1,156
Plan participants' contributions	110	119
Actuarial loss	1,443	2,188
Benefits provided	<u>(644)</u>	<u>(678)</u>
Benefits obligation, end of year	<u>28,796</u>	<u>25,938</u>
Change in plan assets:		
Fair value of plan assets, beginning of year	20,204	20,185
Actual return on plan assets	2,742	(205)
Employer contributions	1,362	849
Benefits paid	<u>(640)</u>	<u>(625)</u>
Fair value of plan assets, end of year	<u>23,668</u>	<u>20,204</u>
Funded status	<u>\$ (5,128)</u>	<u>(5,734)</u>
Components of net periodic benefit cost:		
Service cost	\$ 803	669
Interest cost	1,146	1,156
Expected return on plan assets	(1,515)	(1,514)
Recognized prior service cost	210	210
Recognized actuarial loss	692	214
Recognized net initial obligation	<u>26</u>	<u>26</u>
Net periodic benefit cost	<u>\$ 1,362</u>	<u>761</u>

The assumptions used to determine net periodic benefit cost for the years ended December 31, 2012 and 2011 are as follows:

	<u>2012</u>	<u>2011</u>
Discount rate	4.50%	5.25%
Expected long-term return on plan assets	7.50	7.50
Rate of increase in healthcare costs		
Under age 65	7.50	8.00
Over age 65	5.50	6.00

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The assumptions used to calculate the accumulated postretirement benefit obligation for the years ended December 31, 2012 and 2011 are as follows:

	2012	2011
Discount rate	4.00%	4.50%
Rate of increase in healthcare costs for next year		
Under age 65	8.00	7.50
Over age 65	5.00	5.50

The trend rate for growth in healthcare costs was assumed to decline gradually beginning in 2016 to 5% in the year 2021 for under age 65 and to remain at 5% for over age 65 for the year ended December 31, 2012. The trend rate for growth in healthcare costs was assumed to decline gradually to 5% in the year 2017 and 2013 for under age 65 and over age 65, respectively, for the year ended December 31, 2011.

The healthcare cost trend rate assumption has a significant impact on the postretirement benefit costs and obligations. The effect of a 1% increase in the assumed healthcare cost trend rate would have resulted in the following effects (in thousands):

	2012	2011
Postretirement benefit obligation	\$ 3,535	3,087
Benefit expense	305	252

The effect of a 1% decrease in the assumed healthcare cost trend rate would have resulted in the following effects (in thousands):

	2012	2011
Postretirement benefit obligation	\$ (2,902)	(2,543)
Benefit expense	(244)	(205)

NAS postretirement benefit plan asset allocations at December 31, 2012 and 2011, by asset class are as follows:

	2012	2011
Cash	7%	4%
Bonds and notes	36	34
Equity	57	62
	100%	100%

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The investment objective of the Plan is to produce a rate of return over the long term that will provide for fund growth, protect against the effect of inflation, and provide for some stability in different market environments. The fund is diversified between fixed income and equity investments. With this diversification and investment in broader market funds, there is reasonable assurance that no single security or class of securities will have a disproportionate impact on the Plan assets. The Plan assets are invested with a long-term growth strategy, with a 70% equity guideline.

The overall long-term rate of return was developed by estimating the long-term real rate of return for the Plan's asset mix, while taking into account the effects of inflation. This estimate was developed by evaluating the history and similar asset allocation of the NAS Endowment.

The following table presents the fair value hierarchy for the postretirement benefit plan assets at December 31, 2012 (in thousands):

	<u>Fair value</u>	<u>Fair value measurements using</u>	
		<u>Level 1</u>	<u>Level 2</u>
Financial assets:			
Retiree Welfare Benefit Plan investments:			
Cash equivalents	\$ 1,759	1,759	—
Bonds and notes			
U.S. treasuries/government bonds	1,119	1,119	—
Mortgage-backed securities	1,667	—	1,667
Corporate bonds	5,792	4,697	1,095
Equity			
U.S. small/mid equity	9,850	9,850	—
Non-U.S. equity (developed)	3,233	3,233	—
Non-U.S. equity (emerging)	248	248	—
Total investments	<u>\$ 23,668</u>	<u>20,906</u>	<u>2,762</u>

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The following table presents the fair value hierarchy for the postretirement benefit plan assets at December 31, 2011 (in thousands):

	<u>Fair value</u>	<u>Fair value measurements using</u>	
		<u>Level 1</u>	<u>Level 2</u>
Financial assets:			
Retiree Welfare Benefit Plan investments:			
Cash equivalents	\$ 760	760	—
Bonds and notes			
U.S. treasuries/government bonds	774	774	—
Mortgage-backed securities	1,748	—	1,748
Corporate bonds	4,280	4,280	—
Equity			
U.S. small/mid equity	9,820	9,820	—
Non-U.S. equity (developed)	2,620	2,620	—
Non-U.S. equity (emerging)	202	202	—
Total investments	<u>\$ 20,204</u>	<u>18,456</u>	<u>1,748</u>

The methods and assumptions used to estimate the fair value of each class of financial instrument are further discussed in footnote 4, *Fair Value Measurements*.

NAS expects to contribute to the Plan the actuarially determined net periodic cost for 2013, which is approximately \$1.1 million.

The following benefit payments, which reflect future services, are expected to be paid in future years as noted, as of December 31, 2012 (in thousands):

2013	\$ 1,003
2014	1,222
2015	1,407
2016	1,472
2017	1,568
2018 – 2022	<u>8,408</u>
	<u>\$ 15,080</u>

The measurement date of the plan assets and benefit obligations for 2012 and 2011 is December 31, 2012 and 2011, respectively.

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Notes to Financial Statements

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(16) Conditional Asset Retirement Obligation

NAS recorded an asset retirement obligation for which fair value of the liability could be reasonably estimated relating to the regulatory remediation of asbestos and other hazardous materials in one of its office buildings. Remediation of the asbestos and other hazardous materials began in 2010 and was completed in 2012. NAS recognized a gain on the settlement of the asset retirement obligation of \$56,000 for the year ended December 31, 2012, which is included in other income in the statement of activities. As of December 31, 2012, NAS had no remaining liability for remediation costs. As of December 31, 2011, NAS had a liability of \$60,000 for the remaining remediation costs included in other long-term liabilities in the statement of financial position.

(17) Related-Party Transactions

The NAS Council has authorized two agreements providing noninterest-bearing, collateralized advances to two employees in connection with the purchase of each employee's residence. The agreements between the parties were executed in May 2005 and May 2007. They each provide that the repayment obligation will be adjusted to allocate to each party its proportional share of the appreciation or depreciation in the value of the residence, which is based on the relative financing percentage provided by each party. The agreements will terminate upon pay-back of the advance, sale of the property, or the end of each individual's employment with NAS, which will not exceed 12 years. The estimated present value of the receivables is \$3.2 million and \$3.0 million at December 31, 2012 and 2011, respectively, and is included in other current assets and other assets in the statements of financial position.

(18) Commitments and Contingencies

(a) Leases

NAS is committed to one noncancelable operating lease for space. Future minimum rental payments due under the noncancelable operating lease are as follows (in thousands):

Year ending December 31:	
2013	\$ 422
2014	435
2015	448
2016	545
2017	589
Thereafter	<u>5,585</u>
	<u>\$ 8,024</u>

Rental expense amounted to approximately \$2.0 million and \$4.1 million for the years ended December 31, 2012 and 2011, respectively.

During the year ended December 31, 2011, NAS exercised an option to terminate one of its leases early. The lease was originally scheduled to end December 31, 2017, and under the revised agreement ended on December 31, 2012. NAS' obligation under the lease terminated on that date.

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(b) Contingencies

NAS receives a portion of its revenues directly or indirectly from federal government grants and contracts, all of which are subject to audit by the Defense Contract Audit Agency, which has completed its examinations through December 31, 2005. A contingency exists relating to unexamined periods and final settlements of examined periods to refund any amounts received in excess of allowable costs. Management is of the opinion that no material liability will result from such audits.

(19) Subsequent Events

As a result of a plea agreement between the federal government and BP Exploration and Production, Inc. (BP) related to the 2010 Deepwater Horizon disaster, the U.S. Department of Justice asked NAS to establish a program focused on human health and environmental protection in the Gulf of Mexico. A total of \$350 million will be paid from BP to NAS to fund this program under an agreement entered into by BP and NAS. A separate plea agreement between Transocean Deepwater Inc. (Transocean) and the federal government resulted in an additional \$150 million towards this program. The Transocean payments are covered by an agreement between NAS and Transocean. The plea agreements were finalized in January and February 2013, respectively. The first payments for the program from BP and Transocean will be received in 2013, with the remaining payments received over five years and four years, respectively, beginning in 2014. The payments will be based on the schedules in the respective agreements between NAS and BP and NAS and Transocean.

NAS has evaluated subsequent events from the statement of financial position date through May 17, 2013, the date at which the financial statements were available to be issued, and determined that there are no other items to disclose.

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Schedule of Expenditures of Federal Awards

Year ended December 31, 2012

(Dollars in thousands)

CFDA agency designation	Agency	Advisory and research	Fellowship and other support	Pass through funding	Total
98.000	AID – Agency for International Development	\$ 4,270	48	—	4,318
12.000	AIRF – Department of the Air Force	2,049	7,783	—	9,832
99.999	ARC – US Arctic Research Commission	33	—	—	33
12.000	ARMY – Department of the Army	5,928	4,565	—	10,493
93.000	CDC – Centers for Disease Control	—	—	105	105
11.000	CMRC – Department of Commerce	5,513	3,857	—	9,370
11.000	ARRA – CMRC – Department of Commerce	—	2,610	—	2,610
93.779	CMS – Centers for Medicare & Medicaid Services	36	—	—	36
99.999	CSB – Chemical Safety Board	158	—	—	158
93.000	DHHS – Department of Health & Human Services	24,627	512	37	25,176
93.000	ARRA – DHHS – Department of Health & Human Services	463	—	—	463
97.000	DHS – Department of Homeland Security	2,882	—	14	2,896
12.000	DOD – Department of Defense	7,377	110	31	7,518
81.000	DOE – Department of Energy	9,667	369	228	10,264
17.000	DOL – Department of Labor	978	—	47	1,025
20.000	DOT – Department of Transportation	104,011	398	—	104,409
12.000	DTRA – Defense Threat Reduction Agency	226	1,706	—	1,932
84.000	EDUC – Department of Education	933	—	—	933
66.000	EPA – Environmental Protection Agency	2,266	2,544	—	4,810
91.000	EXOF – Executive Office of the President	1,116	—	—	1,116
91.000	GAO – Government Accountability Office	72	—	—	72
39.000	GSA – General Services Administration	279	—	—	279
39.000	ARRA – GSA – General Services Administration	36	—	—	36
45.000	IMLS – Institute of Museum and Library Services	208	—	—	208
15.000	INTR – Department of the Interior	2,929	—	—	2,929
16.000	JUST – Department of Justice	1,780	—	—	1,780
11.000	MMC – Marine Mammal Commission	3	80	—	83
43.000	NASA – National Aeronautics & Space Administration	5,588	—	—	5,588
12.000	NAVY – Department of the Navy	2,382	9,788	—	12,170
12.000	NGA – National Geospatial Intelligence Agency	228	—	—	228
77.000	NRC – Nuclear Regulatory Commission	919	—	—	919
12.000	NSA – National Security Agency	103	—	—	103
47.000	NSF – National Science Foundation	15,820	405	122	16,347
47.000	ARRA – NSF – National Science Foundation	45	—	—	45
99.999	NTSB – National Transportation Safety Board	15	—	—	15
12.000	ODNI – Office of the Director of National Intelligence	3	—	—	3
99.999	SMTH – Smithsonian Institution	39	—	—	39
96.000	SSA – Social Security Administration	292	—	—	292
19.000	STAT – Department of State	5,672	493	—	6,165
21.000	TRSY – Department of Treasury	1,300	—	—	1,300
10.000	USDA – U.S. Department of Agriculture	1,504	—	—	1,504
64.000	VA – Department of Veterans Affairs	4,266	—	—	4,266
		\$ 216,016	35,268	584	251,868

See accompanying independent auditors' report and notes to schedule of expenditures of federal awards and detailed schedule of expenditures of federal awards.

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Detailed Schedule of Expenditures of Federal Awards
Year ended December 31, 2012
(Dollars in thousands)

Contract identifier	Program name	Expenditures
Function: Advisory and Research Activities:		
Sponsor: AID – Agency for International Development:		
AID 7251 ESP-A-00-05-00001-00	Pakistan-United States Science and Technology Cooperative Program	\$ 3
AID 8008 GHN-G-00-07-00001-00	Forum on Microbial Threats	177
AID 10000242 AID-OAA-A-11-00012	Assistance in Management of Usaid’s Partnership with the National Science Foundation and Related Activities to Promote Global S&t Partnerships	3,809
AID 10000336 AID-OAA-G-11-00050	Arab-American Frontiers of Science, Engineering, and Medicine	139
AID 10-390-01 AID-OAA-A-11-00003	Committee on Grand Challenges in Developing Countries	142
	Sponsor total	<u>4,270</u>
Sponsor: AIRF – Department of the Air Force:		
AIRF 3346 W9133L-09-P-0084	Continuing Support of the Federal Facilities Council	40
AIRF 3668 FA9550-09-1-0286	Air Force Studies Board Core Support	636
AIRF 6485 FA7014-10-P-0072	Roundtable on Translating Genomic-based Research for Health	51
AIRF 6527 FA9550-10-1-0411	Examination of the Air Force’s Aircraft Sustainment Needs in the Future and Its Strategy to Meet Those Needs	5
AIRF 6537 FA9550-10-1-0435	Mathematical Foundations of Verification and Validation Uncertainty Qualification	50
AIRF 10000355 FA9550-11-1-0126	Intelligence, Surveillance, and Reconnaissance (ISR)	468
AIRF 10000615 FA9550-12-1-0254	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research	22
AIRF 10001066 FA9550-12-1-0413	Air Force Studies Board Block Studies	209
AIRF 10-368-02 TBA	211 U.S. Frontiers of Engineering Symposium	5
AIRF 10-372-01 FA2517-11-C-7001	Reusable Booster System: Review and Assessment	345
AIRF 10-381-01 FA9550-11-1-0007	An Assessment of the U.S. Air Force’s Astrodynamics Standards	175
AIRF 11-001-01 UNNUMBERED	Continuing Support of the Federal Facilities Council	43
	Sponsor total	<u>2,049</u>
Sponsor: ARC – US Arctic Research Commission:		
ARC 10000585 UNNUMBERED	Responding to Oil Spills in Arctic Environments	30
ARC 10000907 UNNUMBERED	Emerging Arctic Research Questions	3
	Sponsor total	<u>33</u>
Sponsor: ARMY – Department of the Army:		
ARMY 4750 W911QX-09-C-0054	Support for the Activities of the Army Research Laboratory Technical Assessment Board	829
ARMY 5720 UNNUMBERED	Army Coe Core Support	158
ARMY 5946 W912EP-04-2-0001	Independent Scientific Review of Everglades Restoration Progress	414
ARMY 6142 W912HQ-09-C-0041	Committee on U.S. Army Corps of Engineers Water Resources, Science, Engineering, and Planning	202
ARMY 6168 W911SR-09-1-0004	Future Options for Management in the Nation’s Subsurface Remediation Effort	190
ARMY 6184 W81XWH-09-1-0664	Core Support for the Institute for Laboratory Animal Research	24
ARMY 6273 W912HQ-09-P-0155	Sea Level Rise in California, Oregon, and Washington	1
ARMY 6357 W912HQ-10-C-0016	Disasters Roundtable	3
ARMY 6499 W911NF-10-C-0097	Committee on Chemical Demilitarization	244
ARMY 6532 W912HQ-10-C-0077	Improving Principles and Guidelines for Water Resources Planning	4
ARMY 6623 W912HQ-10-C-0071	Increasing National Resilience to Hazards and Disasters	147
ARMY 6675 W911NF-10-1-0488	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research	50
ARMY 6690 W911NF-11-C-0033	Committee on Assessment of Agent Monitoring Strategies for the Blue Grass and Pueblo Chemical Agent Pilot Plants	151
ARMY 7992 W911NF-07-C-0050	Core Support for the Board on Army Science and Technology	618
ARMY 10000267 W911NF-11-C-0099	Making the Soldier Decisive on Future Battlefields	366
ARMY 10000293 W911NF-11-C-0258	Meeting of Experts on Initiatives Aimed at Achieving High-Performance Green Facilities at Defense-related Federal Agencies	3
ARMY 10000416 W911NF-11-C-0217	Committee to Review the Water Recovery System for the Blue Grass Chemical Agent Destruction Pilot Plant	62
ARMY 10000417 W911NF-12-1-0126	Committee to Review of Water Recovery and Brine Reduction Systems for the Pueblo Chemical Agent Destruction Pilot Plant	343
ARMY 10000418 W911NF-12-1-0075	Committee on Disposal Options for the Rocket Motors of Gb and Vx M55 Rockets at Blue Grass Army Depot	257
ARMY 10000423 W911NF-11-1-0259	Support for the Activities of the Nrc Board on Human-systems Integration	27
ARMY 10000712 HR0011-12-1-0002	212, 213, and 214 U.S. Frontiers of Engineering Symposia	47
ARMY 10000743 W91WAW-12-P-0008	Continuing Support of the Federal Facilities Council	25
ARMY 10000815 W911NF-12-1-0514	The Context of Military Environments: Social and Organizational Factors	46
ARMY 10000822 W911NF-12-1-0504	Measuring Human Capabilities: Performance Potential of Individuals and Collectives	72
ARMY 10000843 W911NF-12-1-0150	Support for Activities of the Nrc Board on Human-systems Integration	34
ARMY 10000881 HHM402-10-D-0036, TO #8	The Future of Brain Machine Interface: A Meeting of Experts	36
ARMY 10000882 HHM402-10-D-0036, TO #7	To #7: The Future of Quantum Computing: A Meeting of Experts	28
ARMY 10000978 HHM402-10-D-0036, DO #9	Data-to-decisions and Autonomous Systems: A Global Review of Systems Integration Challenges	203
ARMY 10001052 W911NF-12-1-0400	USNC/URSI NrsM Travel Fellowship Grants	8
ARMY 10001063 HR0011-12-1-0008	Support for the Core Research Activities and Studies of the Computer Science and Telecommunications Board	50
ARMY 10001104 W911NF-13-1-008	Committee on Assessment of Supercritical Water Oxidation System Testing for the Blue Grass Chemical Agent Destruction Pilot Plant	34
ARMY 09-333-03 N66001-11-1-4091	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research	50
ARMY 10-353-01 HR0011-11-C-0038	Ethical & Societal Implications of Advances in Militarily Significant Technologies that are Rapidly Changing And..	679
ARMY 10-373-01 W911NF-11-C-0213	Review of the Conduct of Operations for Remediation of Recovered Chemical Warfare Materiel From Burial Sites	513
ARMY 11-001-04 W912HQ-11-P-0156	Continuing Support of the Federal Facilities Council	10
	Sponsor total	<u>5,928</u>
Sponsor: CMRC – Department of Commerce:		
CMRC 4915 YA132309CN0039	Review of the Statistical Methods and Operational Procedures for the 21 Census	504
CMRC 5802 SB134109CN0038	Government-university-industry Research Roundtable Core Activities	23
CMRC 6182 SB134109CN0095	The Board on Research Data and Information	4
CMRC 6238 YA132309CN0089	Statistical Methods for Measuring the Group Quarters Population in the American Community Survey	222
CMRC 6376 UNNUMBERED	Continuing Support of the Federal Facilities Council	7

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Contract identifier			Program name	Expenditures
CMRC	6564	60NANB10D266	Harnessing Light: Capitalizing on Optical Science Trends & Challenges for Future Research	\$ 22
CMRC	6631	NA100AR4310198	Polar Research in Support of NOAA's Missions	60
CMRC	6632	NA100AR0110244	Ocean Studies in Support of NOAA's Mission	176
CMRC	6666	2010-140-113	Comparative Study on Intellectual Property Management in Standard-setting Organizations and in Government Mandated...	248
CMRC	8553	NA08OAR4590926	Disasters Roundtable	64
CMRC	8685	99-06-07543-02	Competing in the 21st Century: Best Practice in State and Regional Innovation Initiatives	181
CMRC	10000248	NA11NOS4000188	Providing Financial Support for the Marine Board General Support Program	37
CMRC	10000324	DG133R08CQ0062, TO# 13	Evaluating the Effectiveness of Stock Rebuilding Plans of the 26 Fishery Conservation and Management Reauthorization Act	408
CMRC	10000374	NA11OAR4600211	Activities to Advance Base 211 – 214	214
CMRC	10000382	DG133R08CQ0062, TO# 14	Review of the National Ocean Acidification Research and Monitoring Plan	92
CMRC	10000428	SB134106Z00011 TO#11	Two Tasks: Assessment of Bioscience Programs at the National Institute of Standards and Technology and Study of Best Practices in Peer Assessment	537
CMRC	10000510	YA132311SE0379	Mapping Science Committee	20
CMRC	10000533	WC133R-11-CQ-0048, TO #1	To #1: Sustainability Linkages in the Federal Government	7
CMRC	10000576	YA1323-11-CN-0033	Workshop on the Benefits to A Broad Array of Nonfederal Users of the American Community Survey (acs) Data Products	196
CMRC	10000588	YA1323-11-CN-0032	Priority Technical Issues for the American Community Survey (acs)	192
CMRC	10000734	NA12NOS4000016	Marine Board General Support Program	40
CMRC	10000810	EE-133E-12-SE-0548	Meeting of Experts: Towards the Use of Lower – Cost Platforms for the Acquisition of Environmental Data From Space	10
CMRC	10000879	60NANB12D203	Board on Research Data and Information	18
CMRC	10000903	70NANB12H154	Future Research Goals and Directions for Foundational Science in Cybersecurity (cybersecurity Roadmapping)	21
CMRC	10000917	SB1341-12-AE-0075	Government-university-industry Research Roundtable Core Activities	18
CMRC	10001098	60NANB12D293	All of Government Approaches to International Consequence Management for Cbrns	3
CMRC	10001101	YA1323-12-SE-0375	Mapping Science Committee	5
CMRC	10001161	13-015	Assessment of the Technical Quality of the National Institute of Standards and Technology Center for Neutron Research	2
CMRC	10001219	EE-133E-12-SE-2422	Mitigate the Loss of Tsi Measurements From Space	10
CMRC	10-055-02	DG133R-08-CO-0062 TO# 12	A National Strategy for Advancing Climate Modeling	62
CMRC	10-116-01	60NANB10D238	Support for the Core Research Activities and Studies of the Computer Science and Telecommunications Board	41
CMRC	11-001-06	SA130111SE0095	Continuing Support of the Federal Facilities Council	2
CMRC	11-001-07	UNNUMBERED	Continuing Support of the Federal Facilities Council	10
CMRC	7755-001	SB134106Z00011, TO #9	21st Century Manufacturing: the Role of the Manufacturing Extension Partnership Program of the Nist	569
CMRC	7755-007	SB1341-06-Z-0011, TO# 4	Competing in the 21st Century: Best Practice in State & Regional Innovation Initiatives	344
CMRC	8544-003	YA132108CQ0013, TO #1	Annual Support of the Core Activities of the Committee on National Statistics	55
CMRC	8578-001	DG133R08CQ0062, TO# 11	Effects of the Deepwater Horizon Canyon-252 Oil Spill on Ecosystem Services in the Gulf of Mexico	298
CMRC	8578-003	DG133R08CQ0062, TO #9	Increasing National Resilience to Hazards and Disasters	48
CMRC	8578-004	DG133R08CQ0062, TO# 8	Assessment of the National Weather Service's Modernization Program	304
CMRC	8578-006	DG133R08CQ0062, TO# 6	Assessing Requirements for Sustained Ocean Color Research and Operations	21
CMRC	8578-007	DG133R08CQ0062, TO# 5	An Ocean Infrastructure Strategy for U.s. Ocean Research in 23	14
CMRC	8578-008	DG133R08CQ0062, TO# 4	Global Climate Change Study and Summit	404
Sponsor total				5,513
Sponsor: CMS – Centers for Medicare & Medicaid Services:				
CMRC	10001179	HHSM-500-2012-00099P	Roundtable on Value & Science-driven Health Care	36
Sponsor total				36
Sponsor: CSB – Chemical Safety Board:				
CMRC	6567	TPD-CSB-10-C-0001	Inherently Safer Chemical Processes: the Use of Methyl Isocyanate (mic) at Bayer Cropscience	158
Sponsor total				158
Sponsor: DHHS – Department of Health & Human Services:				
DHHS	6388	UNNUMBERED	Continuing Support for the Federal Facilities Council	1
DHHS	6411	HHSP233200800007T	Readjustment Needs of Military Personnel, Veterans, and Their Families – Phase II	1,778
DHHS	6441	HHSP23337011T	Strategic Transformation: Envisioning Future Information Architectures, Processes, and Strategies for Cms	52
DHHS	6520	HHSP23337012T	Study of the Geographic Adjustment Factors in Medicare Payment	981
DHHS	6595	HHSP23337017T	Geographic Variation in Health Care Spending and Promotion of High-value Health Care	4,431
DHHS	6636	HHSO100201000021P	Forum on Medical and Public Health Preparedness for Catastrophic Events	41
DHHS	6648	HHSP233201000730P	Forum on Global Violence Prevention	27
DHHS	6650	HHSP23337029T	Treatment of Traumatic Brain Injury Using Cognitive Rehabilitative Therapy	185
DHHS	6653	HHSP23337030T	Prevention, Diagnosis, Treatment, and Management of Substance Use Disorders in the U.S. Armed Forces	494
DHHS	6654	HHSO100201000003A	Assessing Models and Strategies for Household Prepositioned Medical Countermeasures	57
DHHS	6665	HHSP23337022T	Committee on Data Systems for Monitoring HIV/AIDS Care	669
DHHS	7838	1 IOMHP060002-01-00	Dhhs Core Support of Selected Boards of the Iom/nrc	142
DHHS	8782	HHSN261200900003C	National Cancer Policy Forum	457
DHHS	10000265	HHSP22301022T, TO #24	Advancing Regulatory Science for Medical Countermeasure Development: A Workshop	6
DHHS	10000270	N01-OD-4-2139, TO #246	Workshop on Sex-specific Reporting of Scientific Research	21
DHHS	10000294	N01-OD-4-2139	Assessing the Importance and Impact of Glycomics and Glycosciences, Phase II	171
DHHS	10000303	N01-OD-4-2139, TO #248	Use of Chimpanzees in NIH Supported Biomedical and Behavioral Research	10
DHHS	10000323	N01-OD-4-2139, TO #249	Roundtable on the Promotion of Health Equity and the Elimination of Health Disparities	37
DHHS	10000353	N01-OD-4-2139, TO #250	Competing in the 21st Century: Best Practice in State and Regional Innovation Initiatives	171
DHHS	10000367	N01-OD-4-2139, TO #268	Forum on Medical and Public Health Preparedness for Catastrophic Events	99
DHHS	10000390	200-2011-38580, TO #1	To #1: Administrative Task Order	65
DHHS	10000395	N01-OD-4-2139, TO #253	Long-run Macroeconomic Implications of Population Aging	83
DHHS	10000396	N01-OD-4-2139, TO #252	Measuring Subjective Well-being in A Policy-relevant Framework, Phase I	169
DHHS	10000411	N01-OD-4-2139	To# 254; Special Issue of the Ilar Journal Proceedings of the Symposium on Animal Welfare and Scientific Research: 1985-21	8
DHHS	10000414	N01-OD-4-2139, TO #270	Board on Research Data and Information	19
DHHS	10000433	NONE	Iclax	3
DHHS	10000434	N01-OD-4-2139	The Science of Research on Families: Dissemination Activities	30
DHHS	10000435	200-2011-38807, TO #1	National Cancer Forum	311
DHHS	10000445	N01-OD-4-2139, TO #255	Evaluation of Measures of Subjective Well-being and Development of An Oecd Handbook for National Statistical Agencies on the Measurement of Well-being, Phase II	3
DHHS	10000448	N01-OD-4-2139, TO #257	Planning Process on Core Ideas for K-12 Standards in the Behavioral and Social Sciences	3
DHHS	10000450	HHSP22301014T	Core Support for the Program on Animal Nutrition with the National Academy of Sciences	14

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DHHS	10000457	N01-OD-4-2139, TO# 258	Continuing Assistance to the Nih on Preparation of Additional Risk Assessments for the National Emerging Infectious Diseases Laboratory, Boston University (completion)	\$ 15
DHHS	10000460	200-2011-38807, TO #6	Mine Safety: Essential Components of Self-escape	761
DHHS	10000464	254-2011-M-40168	Committee on Geological and Geotechnical Engineering	25
DHHS	10000465	254-2011-M-40247	Cmte on Earth Resources – Initiatives and Activities	19
DHHS	10000467	N01-OD-4-2139, TO #263	Partial Support for Core Activities of the Board on Behavioral, Cognitive and Sensory Sciences	64
DHHS	10000470	HHSF223201110572P	Biomedical Engineering Materials and Applications	15
DHHS	10000476	200-2011-38807	Forum on Medical and Public Health Preparedness for Catastrophic Events	49
DHHS	10000477	N01-OD-4-2139, TO #262	Forum on Microbial Threats	135
DHHS	10000480	N01-OD-4-2139, TO #267	Food Forum	101
DHHS	10000482	HHS250201100119P	Iom Roundtable on Translating Genomic-based Research for Health	22
DHHS	10000486	N01-OD-4-2139, TO #264	Roundtable on Translating Genomic-based Research for Health	19
DHHS	10000490	N01-OD-4-2139, TO #260	Partial Support for the Core Activities of the National Research Council's Committee on Population	106
DHHS	10000495	N01-OD-4-2139, TO #259	Workshop and Report on Developments and New Directions in the Social Demography, Social Epidemiology and the Sociology of Aging	183
DHHS	10000496	N01-OD-4-2139, TO #261	Partial Support for the Core Activities of the Committee on National Statistics	115
DHHS	10000497	N01-OD-4-2139, TO# 269	Niehs	207
DHHS	10000501	N01-OD-4-2139, TO# 265	Ilar Activities	75
DHHS	10000516	200-2011-38807, TO #4	Exploring the True Cost of Food	173
DHHS	10000517	HHS233201100557P	Partial Sponsorship of the Workshop on Nutrition and Healthy Aging in the Community	29
DHHS	10000549	HHSF22301024T, TO #25	Understanding the Global Public Health Implications of Substandard, Falsified, and Counterfeit Medical Products	595
DHHS	10000554	HHS233201100619P	Forum on Global Violence Prevention	11
DHHS	10000555	200-2011-38807, TO #5	Forum on Global Violence Prevention	86
DHHS	10000561	200-2011-38807, TO #7	Forum on Microbial Threats	421
DHHS	10000562	200-2011-38807, TO #2	Institute of Medicine of the National Academies: Roundtable on Health Equity and the Elimination of Health Disparities	73
DHHS	10000563	HHS23320110010YC	Understanding Child Abuse & Neglect: Policy, and Practice for the Next Generation	583
DHHS	10000583	N01-OD-4-2139, TO #271	Understanding International Health Differences in High-income Countries: Patterns, Puzzles, Paradoxes, and Public Health Opportunities: Final Meeting, Report Production and Dissemination	363
DHHS	10000586	N01-OD-4-2139, TO #272	Harmonizing the Coi Disclosure Process A Project of the Roundtable on Value & Science-driven Health Care	48
DHHS	10000593	200-2011-38807, TO #8	Roundtable on Translating Genomic-based Research for Health	10
DHHS	10000603	N01-OD-4-2139, TO# 273	Graduate Education in Chemistry in the Context of A Changing Environment	29
DHHS	10000604	HHS233201100454P	Iom Health Literacy Roundtable Twelve Month Membership	25
DHHS	10000611	200-2011-38807, TO #9	Public Engagement for Dispensing Antiviral Medications: Wokshop Series	49
DHHS	10000623	HHS25034009T	Policy Meeting to Examine the Role of Telehealth in An Evolving Health Care Environment	279
DHHS	10000624	HHS23320110009EC	Iom Workshop: Data Quality to Support Learning From Digital Health Information	191
DHHS	10000638	HHS233201100668P	Forum on Aging, Disability and Independence	15
DHHS	10000642	HHS250201100154P	Support for Activities of the Institute of Medicine Roundtable on Value & Science-driven	15
DHHS	10000684	N01-OD-4-2139, TO #276	Forum on Drug Discovery, Development, and Translation	272
DHHS	10000687	HHSF22301026T	Forum on Drug Discovery, Development, and Translation	52
DHHS	10000707	N01-OD-4-2139, TO #275	Roundtable on Translating Genomic-based Research for Health	85
DHHS	10000729	N01-OD-4-2139, TO #274	Roundtable on Environmental Health Sciences, Research, and Medicine	294
DHHS	10000751	HHSN292201200077P	Continuing Support of the Federal Facilities Council	1
DHHS	10000830	N01-OD-4-2139, TO# 279	Standing Committee on Use of Emerging Science for Environmental Health Decisions	265
DHHS	10000837	HHSF22301025T	Program on Animal Nutrition	17
DHHS	10000853	N01-OD-4-2139, TO #277	Workshop on Research Gaps and Opportunities for Exploring the Arts' Relationship to Health and Well-being in Older Adults	97
DHHS	10000855	N01-OD-4-2139, TO #278	Planning Committee on Integration of Immigrants Into U.S. Society	16
DHHS	10000859	N01-OD-4-2139, TO #280	Drug Forum	74
DHHS	10000865	HHSN26300021	Core Support for the Board on Life Sciences	9
DHHS	10000868	HHSF22301027T	Forum on Medical and Public Health Preparedness for Catastrophic Event	9
DHHS	10000873	TBD	Fda Tobacco Regulatory Science Fellowship Program	271
DHHS	10000958	HHSN26300001	Review of the Clinical and Translational Science Awards Program at the National Center for Advancing Translational Sciences	139
DHHS	10000963	HHS233201200149P	Multiple Chronic Conditions Meeting Logistics	23
DHHS	10000969	200-2011-38580, TO #2	National Personal Protective Technology Laboratory (npptl) Programs – Standing Committee on Personal Protective Equipment for Workplace Safety and Health	105
DHHS	10000999	200-2011-38807, TO #10	Sports-related Concussions in Youth	3
DHHS	10001033	211-2012-M-52912	Committee on Earth Resources-initiatives and Activities	16
DHHS	10001038	HHS233201200025C	Review of the Styrene Assessment in the Ntp 12th Report on Carcinogens	31
DHHS	10001039	HHS233201200024C	Review of the Formaldehyde Assessment in the Ntp 12th Report on Carcinogens	29
DHHS	10001040	200-2012-M-53041	Committee on Geological and Geotechnical Engineering	18
DHHS	10001077	HHS25034010T	Roundtable on the Promotion of Health Equity and the Elimination of Health Disparities	1
DHHS	10001102	HHS233201200032C	Quality Measures for the Healthy People Leading Health Indicators	85
DHHS	10001136	HHS233201200377P	Forum on Global Violence Prevention	57
DHHS	10001142	HHSF22301029T	Forum on Microbial Threats	16
DHHS	10001169	HHS233201200447P	Roundtable on Value & Science-driven Health Care	74
DHHS	10001171	200-2011-38807, TO #11	Assessment of Sodium Reduction and Health Outcomes	152
DHHS	10001172	200-2011-38807, TO #12	Forum on Global Violence Prevention	27
DHHS	10001183	HHSN26300002	Food Forum	23
DHHS	10001184	HHSN263000020	Core Activities of the Institute for Laboratory Animal Research	61
DHHS	10001185	HHSN263000003	Sexual Orientation and Gender Identity Data Collection in Electronic Health Records: A Workshop	16
DHHS	10001186	HHSN263000006	Sports-related Concussions in Youth	7
DHHS	10001188	HHSN263000007	Forum on Medical and Public Health Preparedness for Catastrophic Events	57
DHHS	10001190	HHSN263000008	Government-university-industry-research Roundtable Core Activities, Federal Demonstration Partnership, and University-Industry Demonstration Partnership	139
DHHS	10001191	HHSN263000017	Partial Support for the Core Activities of the Nrc Committee on Population (CPOP)	17
DHHS	10001192	HHSN263000015	Advances in Biodemography: Cross-species Comparisons of Social Environments and Social Behaviors, and Their Effects on Health and Longevity	15
DHHS	10001194	HHSN263000011	Undertaking A Comprehensive Dissemination and Communication Strategy for the Upcoming Dbase/iom Report "understanding International Health Differences in High-income Countries"	57
DHHS	10001195	HHSN263000013	Supplemental Translational Activities for the Iom Roundtable on Environmental Health Sciences, Research, and Medicine	30
DHHS	10001196	HHSN263000016	Partial Support for the Core Activities of the Committee on National Stastics	12
DHHS	10001197	HHSN263000012	Revisions to the Common Rule for the Protection of Human Subjects in Research in the Behavioral and Social Science	26
DHHS	10001198	HHSN263000005	Roundtable on Translating Genomic-based Research for Health	24
DHHS	10001199	HHSN263000014	Partial Support for the Core Activities of the Nrc Board on Behavioral, Cognitive and Sensory Sciences	11
DHHS	10001200	HHSN263000004	Sharing Clinical Research Data – A Workshop	19
DHHS	10001207	200-2011-38807, TO #13	Continued Support of the Iom's National Cancer Policy Forum	65

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DHHS 10001214	HSH25034013T Sports-related Concussions in Youth	\$ 12
DHHS 10001222	HSH25034014T Improving the Health, Safety and Well-being of Young Adults, A Hidden Population	44
DHHS 10001228	HHSN26300019 Workshop on the Design of the National Children's Study	44
DHHS 10001238	HSH25034016T Roundtable on Value & Science-driven Health Care	26
DHHS 10-133-01	HHSF22301020T, TO #22 Food Forum	24
DHHS 10-222-02	HHSF22301023T Assessing the Importance and Impact of Glycomics and Glycosciences	99
DHHS 10-262-01	HHSF22301021T, TO #23 Examination of Front-of-package Nutrition Rating Systems and Symbols (phase II)	40
DHHS 11-001-08	HHS1236201100029A Continuing Support of the Federal Facilities Council	7
DHHS 4950-002	HSH25034008T, TO #7 Workshop on Allied Health Workforce	5
DHHS 4950-003	HSH25034007T, TO #6 Integration of Primary Care and Public Health	146
DHHS 4950-004	HSH25034006T, TO #5 Dissemination and Derivative Products for Iom Report on Pregnancy Weight Gain Guidelines	221
DHHS 4950-005	HSH25034005T, TO #4 Roundtable on the Promotion of Health Equity and the Elimination of Health Disparities	95
DHHS 4950-006	HSH25034003T, TO #2 Oral Health Initiative	8
DHHS 4950-007	HSH25034002T, TO #1 Study on Oral Health Access to Services	7
DHHS 5294-005	N01-OD-4-2139, TO #245 Comparative Innovation Policies: Best Practice for the 21st Century	96
DHHS 5294-006	N01-OD-2139, TO #237 Understanding International Health Differences in High-income Countries: Patterns, Puzzles...opportunities	15
DHHS 5294-008	N01-OD-4-2139, TO #240 Forum on Medical and Public Health Preparedness for Catastrophic Events	10
DHHS 5294-010	N01-OD-4-2139, TO #242 Public Health Dimensions of the Epilepsies	181
DHHS 5294-012	N01-OD-4-2139, TO #234 Advancing Pain Research, Care, and Educator	2
DHHS 5294-013	N01-OD-4-2139, TO #232 Forum on Global Violence Prevention	72
DHHS 5294-021	N01-OD-4-2139, TO #227 Workshop on the Continuing Epidemiological Transition in Sub-Saharan Africa	154
DHHS 5294-042	N01-OD-4-2139, TO #203 Roundtable on Evidence-based Medicine	176
DHHS 5294-052	N01-OD-4-2139, TO #196 Food Forum	44
DHHS 5294-058	N01-OD-4-2139, TO #189 Roundtable on Translating Genomics-based Research for Health	43
DHHS 5294-073	N01-OD-4-2139, TO #175 Forum on Neuroscience and Nervous System Disorders	100
DHHS 5294-088	N01-OD-4-2139, TO #158 Forum on Drug Discovery, Development and Translation	14
DHHS 5294-116	N01-OD-4-2139, TO #129 Forum on Emerging Infections	48
DHHS 5294-124	N01-OD-4-2139, TO #120 Board on Behavioral, Cognitive, and Sensory Sciences Core	8
DHHS 5294-143	N01-OD-4-2139, TO #102 Emerging Policy Issues Panel Discussions (coseup Core)	104
DHHS 5294-160	N01-OD-4-2139, TO #084 International Affairs Committee--u.s. National Committee for Ibro	152
DHHS 5294-200	N01-OD-4-2139, TO #043 Roundtable on Environmental Health Sciences, Research and Medicine	22
DHHS 5294-207	N01-OD-4-2139, TO #032 Board on Agriculture and Natural Resources	21
DHHS 5294-212	N01-OD-4-2139, TO #29 Government-university-industry Research Roundtable	78
DHHS 5294-215	N01-OD-4-2139, TO #025 Chemical Sciences Roundtable	1
DHHS 5294-222	N01-OD-4-2139, BASE Base: Studies & Activities Relevant to Biomedical Research	80
DHHS 7032-002	HHSF23337031T, TO #43 Mental Health Workforce for Geriatric Populations	282
DHHS 7032-003	HHSF23337019T, TO #46 Standing Committee on Family Planning	212
DHHS 7032-004	HHSF23337026T, TO #47 The Public Health Dimensions of the Epilepsies	161
DHHS 7032-005	HHSF23320042509XI, TO #48 Responsible Science: Ensuring the Integrity of the Research Process	133
DHHS 7032-006	HHSF23337025T, TO #44 Assessment of Studies of Health Outcomes Related to the Recommended Childhood Immunization Schedule	680
DHHS 7032-007	HHSF23337024T, TO #45 An Evidence-based Approach and Methodology for Identifying and Prioritizing Vaccine Targets for Development	564
DHHS 7032-008	HHSF23320042509XI, TO #39 Measuring Medical Care Risk in Conjunction with the New Supplemental Income Poverty	42
DHHS 7032-009	HHSF23337027T, TO #41 Determination of Essential Health Benefits	61
DHHS 7032-010	HHSF23337018T, TO #40 Patient Safety and Health Information Technology	93
DHHS 7032-011	HHSF23337015T, TO #38 Leading Health Indicators for Healthy People 22	44
DHHS 7032-012	HHSF23337014T, TO #37 Early Childhood Care and Education Workforce: Phase One	56
DHHS 7032-020	HHSF23337005T, TO #30 Study of Child Health Status and Quality of Health Care	40
DHHS 7032-021	HHSF23337003T, TO #28 Guidance for Establishing Standards of Care for Use in Disaster Situations	190
DHHS 7346-001	200-2005-13434, TO #34 Integrating Primary Care and Public Health	203
DHHS 7346-004	200-2005-13434, TO #30 Living Well with Chronic Disease: Public Health Action to Reduce Disability and Improve Functioning and Quality..life	110
DHHS 7346-006	200-2005-13434, TO #24 Forum on Global Violence Prevention	20
DHHS 7346-007	200-2005-13434, TO #28 Forum on Microbial Threats	2
DHHS 7346-009	200-2005-13434, TO #26 Tracking Radiation Doses From Medical Diagnostic Procedures	1
DHHS 8598-001	HHSF22301013T, TO #21 Roundtable on Value & Science-driven Health Care	39
DHHS 8598-002	HHSF22301015T, TO #18 Strengthening Core Elements of Food and Drug Regulatory Systems in Developing Countries	246
DHHS 8598-003	HHSF223200810020L, TO# 19 Tracking Radiation Doses From Medical Diagnostic Procedures	35
DHHS 8598-005	HHSF22301016T, TO #16 Review of Pediatric Studies Conducted under the Best Pharmaceuticals for Children Act and the Pediatric Research	523
DHHS 8598-007	HHSF22301011T, TO #17 Scientific Standards for Studies on Reduced Risk Tobacco Products	227
DHHS 8598-008	HHSF223200810020L, TO #14 Comparative Drug Safety and Post-marketing Requirements	102
DHHS 8598-015	HHSF22301008T, TO #8 Forum on Microbial Threats	98
DHHS 8598-017	HHSF22301003T, TO #5 Forum on Drug Discovery, Development, and Translation	3
Sponsor total		24,627
Sponsor: ARRA DHHS – Department of Health & Human Services:		
ARRA – DHHS 5831-001	HSH234H7605T, TO #13	104
ARRA – DHHS 6522	IRC1LM010491-01	359
Sponsor total		463
Sponsor: DHS – Department of Homeland Security:		
DHS 6190	HSHQDC-09-C-00126	24
DHS 6661	HSFEHQ-10-C-1400	191
DHS 8673	HSHQDC-08-C-00111	238
DHS 10000309	HSHQDC-11-J-00346	59
DHS 10000430	HSFEHQ-11-P-0680	49
DHS 10000444	HSFLBP-11-J-00002	383
DHS 10000458	HSFEHQ-11-J-00011	48
DHS 10000508	HSHQDC-11-D-00009/HSFEHQ-11-J-0001	383
DHS 10000559	HSHQDC-11-D-00009/HSHQDC-11-J-00351	310
DHS 10000608	HSFEHQ-11-C-1642	126
DHS 10000643	HSHQDC-11-P-00156	49
DHS 10000842	HSHQDC-12-J-00046	8
DHS 10000892	HSHQDC-11-D-00009/HSFLBP-12-J-00001	457
DHS 10000929	HSHQDC-12-J-00188	305
DHS 10001010	HSFE40-12-C-0326	32
DHS 10001025	HSHQDC-12-J-00157	113
DHS 10001028	HSHQDC-12-J-00189	44
DHS 10001149	HSCGG8-12-P-MWP056	9
DHS 09-105-02	HSHQDC-11-P-00027	28

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DHS	11-001-10	HSHQDC-11-P-00110	Continuing Support of the Federal Facilities Council	\$ 20
DHS	11-001-11	HSCGG8-11-P-PCV180	Continuing Support of the Federal Facilities Council	6
Sponsor total				2,882
Sponsor: DOD – Department of Defense:				
DOD	2658	HQ0147-09-C-0002	An Assessment of Concepts and Systems for U.S. Boost-phase Missile Defense	532
DOD	6341	W911QY-10-C-0010	Nutrition for Neuroprotection of Military Personnel	1
DOD	6440	W81XWH-10-1-0140	Forum on Microbial Threats	115
DOD	6617	W91YTY-10-C-0048	Review of the Appropriate Use of Afip's Repository Following Its Transfer to the Joint Pathology Center (jpc)	558
DOD	6659	HT0011-10-C-0002	Merging Dod and Va Health Care Within A Single Facility-the James A. Lovell Federal Health Care Center	596
DOD	6667	W81XWH-10-C-0290	Assessment of Ongoing Efforts in the Treatment of Posttraumatic Stress Disorder: Phase 1 and Phase 2	763
DOD	7880	W911NF-07-C-0024	Committee on Operational Science and Technology Options for Defeating Improvised Explosive Devices	3
DOD	10000269	W81K04-06-D-0023 DO# 10 –	Review of Studies of Possible Toxic Effects From Past Environmental Contamination at Fort Detrick	86
DOD	10000292	W911NF-11-C-0212	Standing Committee on Defense Materials, Manufacturing and Infrastructure	295
DOD	10000310	W81XWH-11-P-0681	Forum on Microbial Threats	261
DOD	10000317	HHM402-10-D-0036, DO #2	The Review of the Masters Degree Program for Science and Technology Intelligence Professionals	2
DOD	10000320	HQ0034-10-D-0003, TO #3	Science, Technology, Engineering and Mathematics Workforce Needs for the U.S. Department of Defense and the U.S. Defense Industrial Base	471
DOD	10000376	HHM402-10-D-0036, DO #3	The Board on Global Science and Technology	788
DOD	10000402	HQ0034-10-D-0003, DO #4	U.S. – Russian Academies of Sciences Nuclear Security Dialogues	38
DOD	10000582	HHM402-10-D-0036, DO #4	Committee on Emerging Threats and Technology Surprise: Superconducting Quantum Interference Device (squid)	44
DOD	10000591	HHM402-10-D-0036, DO #6	Committee on Assessing Foreign Technology Development in Human Performance Modification	257
DOD	10000605	HHM402-10-D-0036, DO #5	Future Research Goals and Directions for Foundational Science in Cybersecurity (cybersecurity Roadmapping)	192
DOD	10000636	HT0011-11-P-0186	Forum on Medical and Public Health Preparedness for Catastrophic Events	48
DOD	10000645	W81K04-11-D-0017, TO# 3	Potential Health Risks From Recurrent Lead Exposure to Dod Firing Range Personnel	292
DOD	10000652	W81K04-11-D-0017, TO# 1	Toxicology Support Services	222
DOD	10000654	W81K04-11-D-0017, TO# 2	To# 2: Acute Exposure Guidelines Levels	168
DOD	10000657	HT0011-11-P-0212	Institute of Medicine Forum on Disability	41
DOD	10000665	FA9550-12-1-0492	212 U.S. Frontiers of Engineering Symposium	41
DOD	10000717	HQ0034-10-D-0003, TO# 5	Determining Critical Capabilities in Chemical and Biological Defense Research and Development	521
DOD	10000747	UNNUMBERED	Continuing Support of the Federal Facilities Council	8
DOD	10000792	HT9404-12-1-0009	Forum on Microbial Threats	13
DOD	10000803	HQ0034-10-D-0003, TO# 6	Standing Committee on the Department of Defense's Programs to Counter Biological Threats	220
DOD	10000908	HQ0034-10-D-0003, TO #7	Evaluation of Energy-efficiency and Sustainability Standards Used by the Department of Defense for Military Construction and Repair	110
DOD	10000970	HT9404-12-1-0028	Research Directions in Human Biological Effects of Low Level Ionizing Radiation	33
DOD	10001008	HHM402-10-D-0036, DO #10	Committee on the Review of Advancements in Active Electro-Optical Systems to Avoid Technological Surprise Adverse to U.S. National Security	13
DOD	10001148	HQ0034-10-D-0003, DO #8	Testing of Military Ballistic Helmets for Use by the U.S. Army	44
DOD	10001206	HT00-11-12-C-0023	Sports-related Concussions in Youth	40
DOD	10001252	W81K04-11-D-0017, TO# 5	To# 5: Acute Exposure Guideline Levels	4
DOD	10001257	W81K04-11-D-0017, TO# 4	To# 4: Committee on Toxicology and Toxicology Information Center Support Services	11
DOD	11-001-12	UNNUMBERED	Continuing Support of the Federal Facilities Council	15
DOD	6323-002	HQ0034-10-D-0003, DO# 1	Capitalizing on Science, Technology, and Innovation: An Assessment of the Small Business Innovation Research Program	165
DOD	6495-002	HHM402-10-D-0036/0000	Standing Committee on Technology Insight – Gauge, Evaluate and Review	340
DOD	8482-001	W911NF-08-D-0005, DO#2	Benchmarking the Technology and Application of Lightweighting	26
Sponsor total				7,377
Sponsor: DOE – Department of Energy:				
DOE	4191	DE-FG02-96ER45554	Solid State Sciences Committee	70
DOE	6249	DE-SC0002593	Support of Np21: An Assessment and Outlook for Nuclear Physicists	113
DOE	6479	DE-SC0004240	An Assessment of Science Opportunity at the Proposed Deep Underground Science and Engineering Laboratory	37
DOE	6620	DE-SC0005113	A National Strategy for Advancing Climate Modeling and Observations	40
DOE	6664	DE-EE0001405	Assessment of Solid State Lighting	327
DOE	6681	DE-EE0002931	Continuing Reviews of the Freedomcar & Fuel Partnership, and the 21st Century Truck Partnership	399
DOE	7369	DE-FG02-05ER41400	Partial Core Support of Board on Physics and Astronomy	140
DOE	8252	DE-FG02-07ER15915	Board on Earth Sciences and Resources and Its Activities	145
DOE	8266	DE-FG02-07ER15872	Board on Chemical Sciences and Technology; Chemical Sciences	359
DOE	8755	DE-FG02-08ER15953	Committee on Atomic, Molecular, and Optical Sciences	27
DOE	8762	DE-FG02-08ER41542	Astronomy and Astrophysics Survey 21	3
DOE	8781	DE-NT0006206	Review of the Freedomcar and Fuel Research & Development Program, Phase 3	16
DOE	8783	DE-FG02-08ER25840	Support for the Core Research Activities and Studies of the Computer Science and Telecommunications Board	3
DOE	10000254	DE-HS0000031	Support of Activities of the Nas in Relation to the Radiation Effects Research Foundation	2,002
DOE	10000259	DE-SC0006889	High Magnetic Field	97
DOE	10000372	DE-SC0007069	Assessing the Importance and Impact of Glycomics and Glycosciences	75
DOE	10000553	DE-P1000010/DE-DT0002974	Subsurface Characterization, Modeling, Monitoring, and Remediation of Fractured Rocks	9
DOE	10000673	DE-SC0008645	Board on Research Data and Information	66
DOE	10000766	DE-SC0007960	Culture of Safety	16
DOE	10000886	DE-EE0004436	Overcoming Barriers to Electric Vehicles Deployment	177
DOE	10000943	DE-SC0008724	Emerging Arctic Research Questions	10
DOE	10000966	DE-DT0004510	Determinants of Market Adoption of Advanced Energy Efficiency and Clean Energy Technologies	18
DOE	10001105	DE-P10000010/DE-DT0004491	Committee on Earth Resources – Initiatives and Activities	2
DOE	09-118-01	DE-EM0001172	Nrsb Board and Related Activities	228
DOE	10-004-02	DE-SC0007070	Partial Support of Meetings of the Board on Mathematical Sciences and Their Applications	58
DOE	10-019-02	DE-SC0005916	Responsible Science: Ensuring the Integrity of the Research Process	70
DOE	10-145-04	DE-SC0005899	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research (BES)	50
DOE	10-366-01	DE-P10000010/DE-DT0002373	Improving the Assessment of Proliferation Risk of Nuclear Fuel Cycles	529
DOE	5897-001	DE-DT0000878, TO# 31	Review and Update the 22 Nrc Report, Technical Issues Relating to the Comprehensive Nuclear Test Ban Treaty	19

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DOE	5897-002	DE-DT0000670, T.O.#30	Conduction of A Comprehensive 3-month Study of Commercial Buildings and Residential Energy Consumption Surveys	\$ 176
DOE	5897-003	DE-DT0000584 TO# 29	Doe Electric Drive Battery Research and Development Activities	131
DOE	5897-004	DE-DT0000236, TO# 28	Competing in the 21st Century: Best Practice in State and Regional Innovation Initiatives	154
DOE	5897-005	DE-DT0000109, TO# 27	Securing the Doe Nuclear Weapons Complex	1
DOE	5897-007	DE-DT0000072, TO #32	Continuing Support of the Federal Facilities Council	16
DOE	5897-013	DE-AT01-07ERS4947, TO#21	Plasma Science Committee	28
DOE	5897-014	DE-AT01-07NA78285, TO #20	Evaluation on Quantification of Margins & Uncertainty (qmu) Methodology Applied to the Certification of Nation's.....	42
DOE	6438-001	DE-DT0002206, TO# 17	Committee on Earth Resources	45
DOE	6438-002	DE-DT0002194, TO#16	Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research (eere)	45
DOE	6438-003	DE-PI0000010, TO #15	Comparative National Innovation Policies: Best Practices for the 21st Century	170
DOE	6438-004	DE-PI0000010, TO #14	Increasing National Resilience to Hazards and Disasters	28
DOE	6438-005	DE-PI0000010, TO #8	Sustainability Linkages in the Federal Government	114
DOE	6438-006	DE-PI0000010, TO# 13	Emerging Workforce Trends in the U.S. Energy and Mining Industries	335
DOE	6438-007	DE-PI0000010/DE-DT0001917, TO# 12	Nuclear Chemistry	258
DOE	6438-008	DE-PI0000010, TO# 10	Induced Seismicity Potential in Energy Technologies	208
DOE	6438-009	DE-DT0001857 TO# 9	Mathematical Foundations of Verification and Validation Uncertainty Qualification	35
DOE	6438-010	DE-PI0000010, TO# 11	Sustainable Development of Algal Biofuels	418
DOE	6438-012	DE-DT0001679, TO#5	Prospects for Internal Confinement Fusion Energy Systems	89
DOE	6438-013	DE-DT0001744, TO#7	Review of Nnsa Weapons Laboratories	565
DOE	6438-014	DE-DT0001743, TO# 4	Symposium on Progress, Challenges, and Opportunities for Research Reactor Conversion	53
DOE	6438-015	DE-DT0001701, TO#3	Prospects for Internal Confinement Fusion Energy Systems	288
DOE	6438-016	DE-DT0001481, TO#2	The Potential for Light Duty Vehicle Technologies, 21-25: Costs, Impacts, Barriers and Timing	890
DOE	6438-017	DE-DT0001480, TO#1	Marine and Hydrokinetic Energy Technology Assessment	473
Sponsor total				9,667
Sponsor: DOL – Department of Labor:				
DOL	6647	DOLJ109J1331	Redesigning the Bls Consumer Expenditure Surveys	372
DOL	10000366	DOLJ119E32292	Review of the Department of Labor's Site Exposure Matrix (sem) Database	606
Sponsor total				978
Sponsor: DOT – Department of Transportation:				
DOT	5013	DTFR53-02-H-00025	High Speed Rail (hsr) and Transportation Safety Technology (tst) Innovations Deserving Exploratory Analysis (idea)	126
DOT	5962	DTMA1H04002	Marine Board General Support Program	64
DOT	6039	04-G-045	Assessment of Security Technologies for Transportation	7
DOT	6085	DTFR53-04-P-00168	Technical Assistance and Information Dissemination to the Federal Railroad Administration	56
DOT	6107	DC-26-7243-05	The Surface Transportation Extension Act of 24	194
DOT	6397	DTNH22-10-C-00145	Study of Electronic Vehicle Controls and Unintended Acceleration	84
DOT	6400	UNNUMBERED	Nchrp Fy 24 Funding	2
DOT	6423	DTNH22-10-H-00287	Forum on Medical and Public Health Preparedness for Catastrophic Events	140
DOT	6506	UNNUMBERED	Nchrp Fy26 Funding	43
DOT	6508	DTFH61-08-H-000035	National Cooperative Highway Research Program (nchrp) (fy 28 12-Funding)	31,991
DOT	6598	UNNUMBERED	Nchrp Fy 28 Funding	27
DOT	6600	DTFR53-10-C-00016	Review of Federal Railroad Administration Research, Development and Demonstration Programs	157
DOT	6607	DC-26-7301-00	Transit Cooperative Research Program for Fy 27	480
DOT	6608	DC-26-7304-00	Transit Cooperative Research Program (trcp) Fy28	261
DOT	6609	DC-26-7306-00	Transit Cooperative Research Program (trcp) Fy29	877
DOT	6610	DC-26-7309-00	Transit Cooperative Research Program (trcp) Fy21	4,156
DOT	6705	DTFAWA-06-P-00007	Administer Airport Cooperative Research Program	10,441
DOT	6707	FR-RRD-0020-10-01-00	Fra Support for Trb's Core Program Activities	71
DOT	6806	DTPH56-06-C-000003	Hazardous Materials Cooperative Research Program	956
DOT	6910	FR-RRD-0012-10-01-00	National Cooperative Railway Research Program for 21	213
DOT	7278	DTFH61-05-C-00028	Transportation Planning Peer Review System Support	9
DOT	7555	DTFH61-06-H-00009	Strategic Highway Research Program	35,414
DOT	7798	DTOS59-06-G-00039	National Cooperative Freight Research Program	1,922
DOT	7895	DTMC75-07-H-00001	Nationally Coordinated Program of Research and Technology	245
DOT	7926	DTFH61-07-C-00016	Pavement Performance Studies	18
DOT	8238	DTFH61-07-H-00027	Core Program Services for A Highway Research, Development and Technology Program	2,759
DOT	8533	DTFAWA-08-P-00292	Faa Sponsorship to the Transportation Research Board	79
DOT	8580	DTFH61-08-H-00036	Correlation Services for A National Highway Research, Development, and Technology Program	2,634
DOT	10000297	DTFH61-07-D-00023	212 National Transportation Asset Management Conference	30
DOT	10000399	DC-26-7321-00	Transit Cooperative Research Program (trcp) Fy 211	1,973
DOT	10000499	DTFH61-11-P-00114	Peer Exchange on Modeling and Analysis Needs of Small Metropolitan Planning Organization	5
DOT	10000511	DTFH61-07-D-00023-T-11032	Nchrp Project 17-51 Input to the Development of the National Highway Safety Strategy	92
DOT	10000548	DTNH22-11-H-00352	Review of the Corporate Average Fuel Economy Program and Assessment of Technologies for Improving the Fuel Economy of Light-duty Vehicles – Phase 2	567
DOT	10000569	DC-26-7351-00	Review of the Federal Transit Administration's Transit Economic Requirements Model	206
DOT	10000573	DC-26-7325-00	Fy 211 Trb Core Program Activities	151
DOT	10000578	DTFH61-11-D-00020, TO# 2	To# 2: Long Term Pavement Performance Stakeholder Committee	233
DOT	10000598	DTFH61-07-D-00023, TO # 34	Support to 211 Trb International Visualization in Transportation Symposium	12
DOT	10000618	DTFH61-07-D-00023, TO# 35	Nchrp Project#2-68a Domestic Scan Program Support	25
DOT	10000620	DTOS59-06-D-00474/DTOS59-D1100003	To# 23: Transportation Knowledge Network (tkn) Workshop	41
DOT	10000632	DTFH61-11-P-00187	Winter Maintenance and Surface Transportation Weather Conference	42
DOT	10000648	DC-26-7266-00	9th National Conference on Transportation Asset Management	14
DOT	10000782	DTFH61-12-P-00009	Technical Activities Division	7
DOT	10000817	DTNH22-12-C-00231	Trb General Program Support	200
DOT	10000819	DTOS59-12-D-00508/DTOS59-D1200001	To# 1: Core Technical Activities	300
DOT	10000823	DC-26-7355-00	Transit Cooperative Research Program (trcp) Fy 212	227
DOT	10000831	DTFH61-12-P-00026	Making Progress Towards Transportation Goals Planner and Programmers Using Their Toolbox Conference	99
DOT	10000844	DTOS59-12-D-00508/DTOS59-D1200002	Conference for the Xxvi North American Transportation Statistics Interchange	47
DOT	10000861	DTPH56-12-C-000002	Pipeline Transportation of Diluted Bitumen	244
DOT	10000898	DTFH61-07-D-00023, TO# 36	Nchrp Proj# 3-14 – Development of An Unsignalized Intersection Guidebook	112
DOT	10000899	DTFH61-07-D-00023, TO# 37	Nchrp 25-25 Task 79: Successful Practices for Effective Tribal Consultation	24
DOT	10000933	DTFH61-12-P-00046	212 Trb National Conference on Transportation Asset Management	15
DOT	10000935	DTFH61-07-D-00023, TO# 40	Task Force Understand New Direction for the National Household Travel Survey	15
DOT	10000936	DTNH22-12-H-00389	Technologies-approaches to Reducing the Fuel Consumption of Medium-and Heavy-duty Vehicles Phase 2	53
DOT	10000938	DTRT57-12-P-80066	Innovations in Travel Demand Forecasting	10
DOT	10000939	DTRT57-12-P-80068	Making Progress Transportation Goals	10

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DOT	1000955	DTFH61-12-P-00055	Transportation Asset Management	\$ 5
DOT	1000975	DTFH61-07-D-00023, TO# 41	Design Guidance for Interchange Loop Ramps	20
DOT	1000977	DTFH61-11-D-00020, TO# 3	Intelligent Construction Systems and Technology (icst)	9
DOT	10001056	DTFH61-12-H-00005	Core Program Services for A Highway Research, Development and Technology Program	1,643
DOT	10001073	DTFAWA-12-P-00276	Workload of Systems Specialists in Aviation	235
DOT	10001096	DTFAWA-12-P-00277	Faa Air Traffic Controller Staffing	50
DOT	10001099	DC-26-7357-00	Fta Support for Trb's Core Program Activities	125
DOT	10001100	DTOS59-12-D-00508/DTOS59-D120003	Support for Dot University Transportation Center Clearinghouse	12
DOT	10001107	DTFR53-13-P-00106	Fra - Support for Trb's Core Program Activities	14
DOT	10001120	DTFH61-07-D-00023, TO# 43	Adapting Freight Model for Performance Measurements	6
DOT	10001130	DTFAWA-12-A-80008	Acpr - Airport Cooperative Research Program	2,855
DOT	10001134	DTFH61-07-D-00023, TO# 42	Project 2-92: Improving Access to International Transportation Research Information Workshop on Best Practices for Protecting the Natural Soundscapes of America's National Parks	5
DOT	10001166	DTRT57-12-P-80120	Traveling Forecasting Resource	15
DOT	10001180	DTFH61-12-C-00027	European-us Transportation Research Symposia	32
DOT	10001205	DTOS59-12-D-00508/D1200004	Review of the Enterprise Architecture, Software Development Approach, and Safety and Human Factor Design of the Next Generation Air Transportation System	29
DOT	10001212	DTFAWA-12-A-80013	Fmcsa Support for Trbs Core Program Activities	31
DOT	10001237	DTM75-12-P-00028	Review of Us Dot 5-year R&d Strategic Plan	30
DOT	10001273	DTOS59-12-D-00508/D1300002	University Transportation Centers Spotlight Conference for Transportation Research	13
DOT	10001276	DTOS59-12-D-00508/D1300001	Marine Board General Support Program	31
DOT	10-008-08	DTMAIH11001	To #3: Nchrp Project #25-34: Improving Fwaha's Traffic Noise Model (tnm)	442
DOT	10-399-01	DTFH61-07-D-00023, TO #30	Spotlight Conference on Sustainability Issues in Transportation	2
DOT	7594-001	DTOS59-06-D-00474, TO# 21	Support for Dot University Transportation Center Clearinghouse	10
DOT	7594-013	DTOS59-06-D-00474, TO #10	To #29: Nchrp 17-5 Highway Safety Manual Lead States Initiative	34
DOT	8237-001	DTFH61-07-D-00023, TO# 29	To #27: Enhancing Traffic Data Collection	93
DOT	8237-003	DTFH61-07-D-00023, TO#27	To #26: Nchrp Project #17-46: Comprehensive Analysis Framework for Safety Investment Decisions	22
DOT	8237-004	DTFH61-07-D-00023, TO#26	To #25: Nchrp Project#17-48 Highway Infrastructure and Operations Safety Needs	46
DOT	8237-005	DTFH61-07D-00023, TO#25		22
Sponsor total				104,011
Sponsor: DTRA - Defense Threat Reduction Agency:				
DTRA	6439	HDTRA01-10-C-0058	Understanding and Measuring Impact for Security: Improving Metrics for the Cooperative Threat Reduction (ctr) Program	66
DTRA	6697	HDTRA1-11-C-0010	Forum on Microbial Threats	149
DTRA	10001091	HDTRA1-12-P-0028	Udip Support to the Dtra Science and Technology Development Transition	11
Sponsor total				226
Sponsor: EDUC - Department of Education:				
EDUC	6235	ED-05E-09-C-0048	External Evaluation of the National Institute and Rehabilitation Research (nidrr) and Its Grantees	507
EDUC	6255	ED-05E-09-P-0083	Iom Disability Forum	19
EDUC	6695	ED-05D-10-P-0004	Forum on Global Violence Prevention	5
EDUC	8750	ED-08-CO-0142	Learning Sciences: Foundations and Applications to Literacy and Adult Education	347
EDUC	10000663	ED-05D-11-P-0007	Forum on Global Violence Prevention	43
EDUC	10001174	ED-05E-12-P-0066	Forum on Aging, Disability, and Independence	12
Sponsor total				933
Sponsor: EPA - Environmental Protection Agency:				
EPA	6305	EPI10H000037	Operating Support for the Federal Demonstration Partnership	32
EPA	6613	EPI10H000179	Sustainability Linkages in the Federal Government	68
EPA	10000373	EP-C-09-003	To# 14: Ecological Risk Assessment Under Ffira and Esa	470
EPA	10000385	EP-C-09-003	To# 15: Review of Epa's Economic Analysis of Final Water Quality Standards for Nutrients for Lakes and Flowing Waters in Florida	333
EPA	10000466	EP-C-09-003	To# 16: Human and Environmental Exposure Science in the 21st Century	220
EPA	10000594	EP-W-09-007, TO# 5	Epa Aegls, to No. 5	51
EPA	10000678	EP-C-09-003, TO #17	Responsible Science: Ensuring the Integrity of the Research Process	24
EPA	10000818	EP-11-C-000049	US Epa Sponsorship of the Transportation Research Board	15
EPA	10000894	EP-C-09-003, TO# 20	Standing Committee on Use of Emerging Science for Environmental Health Decisions	99
EPA	10000919	EP-C-09-003, TO# 21	Review of Epa's Iris Toxicological Assessments of Inorganic Arsenic	45
EPA	10000921	EP-C-09-003, TO# 19	Review of Revisions to the Iris Process	162
EPA	10001015	EP-W-09-007, TO# 6	Epa Aegls, to #6	61
EPA	10-395-01	EP-C-09-003, TO# 13	Science for Epa's Future	424
EPA	2738-001	EP-C-09-003, TO #12	Incorporating Sustainability in the Us Environmental Protection Agency	8
EPA	2738-006	EP-C-09-003, TO #6	Continuation of Decision-making Under Uncertainty	20
EPA	2738-008	EP-C-09-003, TO# 4	To# 4: A Research Strategy for Environmental, Health and Safety Aspects of Engineered Nanomaterials	200
EPA	2738-010	EP-C-09-003, TO# 3	Clean Water Act Implementation Across the Mississippi River Basin	34
Sponsor total				2,266
Sponsor: EXOF - Executive Office of the President:				
EXOF	6265	OND-GEN-C-09-0004	Scientific Review of the Feasibility of Mycoherbicides in Eradicating Illicit Drug Crops	67
EXOF	8640	2008-1243516-000	Global Climate Change Research Program (gccrp)	1,046
EXOF	10000647	IOP-11-211	Usip's Peace Tech Summit and Roundtable on Technology, Science and Peacebuilding	3
Sponsor total				1,116
Sponsor: GAO - Government Accountability Office:				
GAO	1000962	GAO-12-CO-0001, TO# 2012-01	Expert Assistance	15
GAO	10001034	GAO-12-CO-0001, TO# 2012-02	To Assist Gao in Convening An Expert Roundtable for Study in the Potential Benefits and Costs of the Dodd-frank Act	41
GAO	10001097	GAO-12-CO-0001, TO# 2012-03	Experts on Generally Accepted Practices in Large-scale Systems Engineering and Acquisitions of Technology	7
GAO	10001216	GAO-12-CO-0001, TO# 2012-04	Identifying Metrics for Assessing Design Stability on Unique Space Acquisition Programs: A Meeting of Experts	2
GAO	10001285	GAO-12-CO-0001, TO#2013-01	Provide A List of Experts for the Gao Review of Air-rail Code Sharing	7
Sponsor total				72
Sponsor: GSA - General Services Administration:				
GSA	10000579	XX001-XX972	Sustainable Acquisition: Fostering Sustainability Considerations Into Public and Private Sector Procurement Tools and Capabilities	234
GSA	11-001-14	GS-00P-11-CZ-C-0005	Continuing Support of the Federal Facilities Council	45
Sponsor total				279

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Sponsor: ARRA GSA – General Services Administration:		
ARRA – GSA 6457 XW001-XW994	Workshop: High-performance Green Federal Buildings: Strategies and Approaches for Meeting Federal Objectives	\$ 36
	Sponsor total	<u>36</u>
Sponsor: IMLS – Institute of Museum and Library Services:		
IMLS 6430 LG-00-10-0247	The Impact of Copyright Policy on Innovation in the Digital Era	6
IMLS 10000432 RE-04-11-0120-11	Future Career Opportunities and Educational Requirements for Digital Curation	184
IMLS 10000897 LG-00-12-0752-12	Board on Research Data and Information	18
	Sponsor total	<u>208</u>
Sponsor: INTR – Department of the Interior:		
INTR 4848 G09AC00225	Core Support of the Water Science and Technology Board	47
INTR 6259 G09AC00495	Disasters Roundtable	74
INTR 6262 G09AC00465	Geographical Sciences Committee	53
INTR 6293 G09AP00152	Sea Level Rise in California, Oregon, and Washington	1
INTR 6332 F10AP00315 Formerly 80221-A-G100	Sustainable Water and Environmental Management in the California Bay-delta	325
INTR 6394 M10PC00077	Ocean Studies Board Activities	64
INTR 6470 N10PC18384	Analysis of Causes of the Deepwater Horizon Explosion, Fire & Oil Spill to Identify Measures to Prevent Similar...	78
INTR 6568 G10AC00538	Opportunities and Challenges for International Science at the U.S. Geological Survey	89
INTR 6577 G10AP00104	Needs and Research Requirements for Land-change Modeling	149
INTR 6587 G10AP00149	Sustainability Linkages in the Federal Government	78
INTR 6628 G10AP00150	Responsible Science: Ensuring the Integrity of the Research Process	19
INTR 6657 G10AP00148	Mapping Science Committee	116
INTR 6660 G10AP00151	Committee on Seismology and Geodynamics	32
INTR 8048 G07AC00030 (formerly 07HQAG0124)	Committee on Usgs Water Resources Research	60
INTR 8885 08HQAG0145	Spatial Data Enabling Usgs Strategic Science in the 21st Century	59
INTR 10000345 G11AP20189	Board on Earth Sciences and Resources and Its Activities	122
INTR 10000352 L11PC00058	Review of the Bureau of Land Management Wild Horse and Burro	749
INTR 10000381 G11AP20216	Federal Earth Science Education and Workforce Training	130
INTR 10000403 G11AP20204	Ocean Studies Board Support	83
INTR 10000529 M11PX00116	Responding to Oil Spills in Arctic Environments	30
INTR 10000558 G11AP20217	Implementation of the Sustained Land Imaging Program	205
INTR 10000725 P12PX10785	Trb Organizational Affiliate Membership Renewal	5
INTR 10000806 G12AP20055	Meeting of Experts: Towards the Use of Lower-cost Platforms for the Acquisition of Environmental Data From Space	4
INTR 10000991 P12PC30801	Drake Estero Deis	219
INTR 10001156 E12PC00062	Options for Implementing the Requirement of Best Available and Safest Technologies for Offshore Oil and Gas Operations	63
INTR 10-396-01 R11AP81325	Assessment of Water Reuse As An Approach for Meeting Future Water Supply Needs	75
	Sponsor total	<u>2,929</u>
Sponsor: JUST – Department of Justice:		
JUST 6194 2009-JF-FX-0102	Assessing Juvenile Justice Reform	363
JUST 6251 DJJ09-C-1916	Estimating Costs to the Doj of Increased Border Security Enforcement by the Department of Homeland Security	36
JUST 6260 2009-IJ-CX-0034	Committee on Law and Justice Core Support	238
JUST 6585 2010-IJ-CX-0018	Deterrence and the Death Penalty	73
JUST 6639 2010-IJ-CX-0007	Forum on Global Violence Prevention	52
JUST 10000446 2011-MC-CX-0004	Commercial Sexual Exploitation and Sex Trafficking of Children and Youth in the United States	706
JUST 10000483 2011-DJ-BX-2029	Causes and Consequences of High Rates of Incarceration: A National Academies Review	311
JUST 10001092 2012-R2-CX-0049	Understanding the Crime Decline in Amercia: A Proposal for A National Research Council Roundtable	1
	Sponsor total	<u>1,780</u>
Sponsor: MMC – Marine Mammal Commission:		
MMC 10000580 DC-260-79EC085782	Committee on Oil Spills in Arctic Environments	3
	Sponsor total	<u>3</u>
Sponsor: NASA – National Aeronautics & Space Administration:		
NASA 6590 NNX10AR69G	Polar Research in Support of Nasa's Missions	9
NASA 6592 NNX10AK53G	Committee on Hydrologic Science	62
NASA 6624 NNX10AT98G	Board on Earth Sciences and Resources and Its Activities	88
NASA 6627 NNX10AT12G	Needs and Research Requirements for Land-change Modeling	85
NASA 8078 NNX07AJ53G	Capitalizing on Science, Technology, and Innovation: An Assessment of the Small Business Innovation Research	56
NASA 8325 NNX08AB07G	Board on Atmospheric Sciences and Climate Activities in Support of Nasa's Missions	137
NASA 10000257 NNH10CD04B, TO #5	Aeronautics Research and Technology Roundtable	83
NASA 10000296 NNX11AB43G	Sustainability Linkages in the Federal Government	51
NASA 10000330 NNH08CC26B, TO #3	Review of Nasa Human Research Program's Scientific Merit Assessment Processes	166
NASA 10000528 NNH10CC48B, TO #7	Planning Metting on Reviewing Nasa's Human Spaceflight Program	145
NASA 10000557 NNL11AG39P	Partial Support for Core Activities of the Board on Human-systems Integration	22
NASA 10000634 NNH11CD58D	Support of Core and Cospar	1,001
NASA 10000635 NNH11CD59D	Support of the Standing Committees for Space Studies Board	691
NASA 10000719 NNH12CE31D	Assessment of A Plan for Us Participation in Euclid	93
NASA 10000758 NNH12PV08P	Continuing Support of the Federal Facilities Council	23
NASA 10000791 NNH10CC48B, TO #6	Evaluating Nasa's Strategic Direction	722
NASA 10000795 NNH12CE57D	Meeting of Experts: Towards the Use of Lower-cost Platforms for the Acquisition of Environmental Data From Space	13
NASA 10000857 NNH07CC79B, TO #5	Advice to the Usgcrp	116
NASA 10000860 NNH10CC48B, TO #8	Goals and Direction of the U.s. Human Spaceflight Program	280
NASA 10000890 NNX12AK73G	Nasa Support for Osb Core Activities	11
NASA 10000937 NNH12CF07D	Lessons Learned in Decadal Planning in Space Science: A Workshop	196
NASA 10000942 NNH10CD04B, TO #6	A Survey of the Scientific Use of the Radio Spectrum	6
NASA 10001155 NNL12AG30P	Partial Support for Core Activities of the Board on Human-systems Integration	4
NASA 10-365-01 NNH11AJ41G	The Future of Arctic Sea Ice Research and Forecasting: A Workshop	96
NASA 10-371-01 NNH10CC48B, TO #2	Evaluation of Space Radiation Cancer Risk Model	65
NASA 10-391-01 NNH06CE15B, TO #120	Earth Science Performance Assessment	106
NASA 6526-001 NNH10CD04B, TO#2	An Assessment of Nasa's Aeronautics Flight Research Activities	75
NASA 6526-003 NNH10CD04B, TO#1	To#1: Aeronautics and Space Engineering Board Activities	431
NASA 6543-001 NNH10CD04B, TO #4	Partial Support of the Committee on Radio Frequencies	115
NASA 6543-003 TO#1: NNH10CC48B	Decadal Study in Physical and Biological Space Research	46
NASA 6543-004 NNH10CC48B, TO#3	Review of Nasa's Human Spaceflight Crew Operations	7
NASA 7723-001 NNH06CE15B, TO#119	Planetary Protection Standards for Icy Bodies in the Outer Solar System	144

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Contract identifier			Program name	Expenditures
NASA	7723-003	NNH06CE15B, TO#117	A Decadal Strategy for Solar and Space Physics	\$ 330
NASA	7982-005	NNH07CC79B, BASE	Activities of the National Research Council of the National Academies in Support of the U.S. Climate Change Science Pm	2
NASA	8291-003	NNH08CC26B, TO #1	Committee on Aerospace Medicine and the Medicine of Extreme Environments	111
			Sponsor total	5,588
Sponsor: NAVY – Department of the Navy:				
NAVY	6615	UNNUMBERED	Continuing Support for the Federal Facilities Council	20
NAVY	10000249	N00014-10-G-0589, TO# 4	Marine Board General Support Program	62
NAVY	10000258	N00014-10-G-0589, DO #2	Do #2: Partial Support for Core Activities of the Board on Human-Systems Integration	57
NAVY	10000268	N00014-10-G-0589, TO# 3	Onr Support for Osb Board Activities	242
NAVY	10000302	N00014-10-G-0589, TO #1	To #1: Core Support for the Naval Studies Board Activities and Operations	1,058
NAVY	10000491	N00014-10-G-0589, TO# 6	The Future of Arctic Sea Ice Research and Forecasting: A Workshop	26
NAVY	10000513	N00244-12-1-0029	A U.S. – Russian Academies of Sciences Nuclear Security Dialogue	77
NAVY	10000514	N00244-12-1-0028	National Academy of Sciences Security Dialogue with China	69
NAVY	10000519	N00244-12-1-0022	Workshop on Trnds in Science and Technology Relevant to the Chemical Weapons Convention	78
NAVY	10000723	N00014-10-G-0589, TO #5	Examine Capability Surprise, Operationally and Technically, Facing U.S. Naval Forces	291
NAVY	10000778	N00014-10-G-0589, DO #7	Innovation Policy Forum	36
NAVY	11-001-16	UNNUMBERED	Continuing Support of the Federal Facilities Council	49
NAVY	7304-003	N00014-05-G-0288, DO# 29	Government-university-industry Research Roundtable Core Activities and the Federal Demonstration Partnership	237
NAVY	7304-007	N00014-05-G-0288, TO #23	To#23: Naval Engineering in the 21st Century	2
NAVY	7304-009	N00014-05-G-0288, TO #21	Core Support for the Institute of Laboratory Animal Research	78
			Sponsor total	2,382
Sponsor: NGA – National Geospatial Intelligence Agency:				
NGA	6176	HM1582-09-C-0014	New Reserach Directions for the National Geospatial-intelligence Agency (NGA): A Workshop	142
NGA	7756	HM1582-06-C-0016	Mapping Science Committee	65
NGA	10001150	HM0177-12-P-0058	212 National Geospatial – Intelligence Agency Academic Research Symposium and Workshops	21
			Sponsor total	228
Sponsor: NRC – Nuclear Regulatory Commission:				
NRC	6287	NRC-04-09-167	Approaches to Subsurface Characterization & Monitoring in Porous Fractured Media: A Workshop on Applications...	24
NRC	6560	NRC-04-10-152	Analysis of Cancer Risks in Populations Near Nuclear Facilities: Phase I	157
NRC	10000802	NRC-HQ-12-G-03-0002	Lessons Learned From the Fukushima Nuclear Accident for Improving Safety and Security at U.S. Nuclear Plants	690
NRC	10-168-02	NRC-HQ-11-G-04-0065	Committeeon Geological and Geotechnical Engineering	48
			Sponsor total	919
Sponsor: NSA – National Security Agency:				
NSA	6279	H98230-09-C-0407	A Research Agenda to Broaden the Toolkit for the Analysis of Massive Data	27
NSA	10000626	H98230-11-1-0233	Partial Support of the Meeting of the Board on Mathematical Sciences and Their Applications	76
			Sponsor total	103
Sponsor: NSF – National Science Foundation:				
NSF	3323	DRL-0843846	Leadership Support for Activities of the Board on Science Education	126
NSF	4804	DMI-0221736	Capitalizing on Science, Technology, and Innovation: An Assessment of the Sbrir Program (nsf)	139
NSF	6059	DUE-0936193	Script Realization for An Engineering Focused Narrative Television Series	10
NSF	6140	EAR-0827414	New Research Opportunities in the Earth Sciences at the National Science Foundation	53
NSF	6150	DMS-0911899	The Mathematical Sciences in 225	158
NSF	6156	CMMI-0946245	Underground Geoenineering for Sustainable Development	42
NSF	6170	CMMI-0944076	Committee on Geological and Geotechnical Engineering	90
NSF	6186	IIS-0950451	Computing Research for Environmental and Societal Sustainability	155
NSF	6187	DUE-0956031	Roundtable on Climate Change Education	306
NSF	6188	DUE-0934453	Status, Contributions, and Future Directions of Discipline Based Education Research	418
NSF	6223	DMS-0937225	Science Diplomacy: the Visiting Lecturer Program (vlp) in Mathematics	99
NSF	6226	OIA-0935877	Core Support for the Federal Demonstration Partnership	183
NSF	6234	PHY-0849333	Support of Np21: An Assessment and Outlook for Nuclear Physics	28
NSF	6244	BCS-0908432	Core Support for the Committee on Human Dimensions of Global Change	200
NSF	6245	CNS-0940372	Support for the Core Research Activities and Studies of the Computer Science and Telecommunications Board	145
NSF	6269	BCS-0908053	Activities of the U.S. National Committee for Psychology	113
NSF	6275	OCE-0945407	Ocean Studies Board Activities	31
NSF	6276	OCE-0948911	Assessing Requirements for Sustained Ocean Color Research and Operations	36
NSF	6277	EAR-0938578	Challenges and Opportunities in the Hydrologic Sciences	36
NSF	6282	CHE-0936388	Chemical Sciences Roundtable	111
NSF	6284	CHE-0925448	Core Support for the Board on Chemical Sciences and Technology	152
NSF	6359	DRL-0956223	Workshop on Assessment of 21st Century Skills	35
NSF	6367	PHY-1016162	An Assessment of Science Opportunity at the Proposed Deep Underground Science & Engineering Laboratory	50
NSF	6372	OCE-1010773	Review of the Scientific Accomplishments and Assessment of the Potential for Future Transformative Discoveries with...	74
NSF	6436	DBI-0962445	Core Support for the Board on Life Sciences	110
NSF	6458	DMS-1025439	Partial Support of Meetings of the Board on Mathematical Sciences and Their Applications	211
NSF	6463	CBET-0948076	Research Frontiers in Bioinspired Energy: Molecular-level Learning From	58
NSF	6467	SMA-1014801	The Impact of Copyright Policy on Innovation in the Digital Era	12
NSF	6476	BCS-0939614	Geographical Sciences Committee	61
NSF	6488	DRL-1048010	International Workshop on the Status and Participation of Women in Stem Disciplines and Careers	2
NSF	6509	PHY-0962529	International Scientific Collaborations in Mathematical & Physical Sciences: U.S. Participation in Iau,ursi,iupap,ico.	1,017
NSF	6519	PHY-1003414	Assessment and Outlook for Undergraduate Physics Education	77
NSF	6528	DUE-1036255	Advanced Technology Educaton (ate) Principal Investigators (pi) Gardnering Useful Instrution on Developing Project...	53
NSF	6530	DRL-1050545	Highly Successful Schools or Programs for K-12 Stem Education: A Workshop	4
NSF	6538	CMMI-1047519	Grand Challenges in Earthquake Engineering Research: A Vision for Nees Experimental Facilities & Cyberinfrastructure	2
NSF	6549	AST-1050744	Planetary Science Decadal Survey	29
NSF	6550	DBI-1043289	Partnership for Education on Climate Change, Engineered Systems, and Society	211
NSF	6558	IIS-1042078	The Future of Scientific Discovery in the Virtual Environment	13

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Contract identifier	Program name	Expenditures
NSF 6571 DBI-1032966	Collaborative Research: Energy Ethics in Science and Engineering Education	\$ 96
NSF 6578 ENG-1042875	2yr - 4yr Engineering/technology Transfer Pilot	65
NSF 6637 AGS-1050550	A Decadal Strategy for Solar and Space Physics	73
NSF 6649 ANT-1026273	International Polar Year Legacy Workshop Series: Four Workshops to Integrate & Document the Lessons of Ipy 27-8	85
NSF 6655 CHE-1049500	Assuring A Future Us Based Nuclear Chemistry Expertise	50
NSF 6668 SES-1024012	Partial Support of the Committee on National Statistics	2,469
NSF 6669 BCS-1032051	Leadership Support for Activities of the Board on Behavioral, Cognitive, and Sensory Sciences	32
NSF 6717 HRD-1049637	Advance Partnerships for Adaption, Implementation, and Dissemination (paid) Award: Data Tools for Institutional...	154
NSF 7286 SES-0453930	Committee on National Statistics Core Support (cnstat)	162
NSF 7323 HRD-0533520	Ext - Engineering Equity Extension Service (ees)	15
NSF 7684 GEO-0622279	U.S. National Committee for Codata	4
NSF 7772 OISE-0614728	Advancing U.S. Participation in International Scientific Organizations	206
NSF 7997 DRL-0638656	U.S. National Commission for Mathematics Instruction	24
NSF 8262 GEO-0701397	U.S. Participation in International Geoscience Unions	313
NSF 8309 OISE-0738129	U.S. Committee for the International Institute for Applied Systems Anaylsis	63
NSF 8455 CNS-0831827	Computational Thinking for Everyone: A Workshop Series	1
NSF 8492 AST-0743899	Astronomy and Astrophysics Survey 21	31
NSF 8562 DUE-0814328	Enabling Engineering Faculty As Academic Change Leaders	14
NSF 8569 OIA-0834015	Core Activities of the Committee on Science, Engineering and Public Policy	132
NSF 8591 IIS-0840364	Depicting Innovations in Information Technology	152
NSF 10000240 OISE-1125221	Advancing U.S. Participation in International Scientific Organizations	1,081
NSF 10000243 CMMI-1128065	U.S. National Committee for Theoretical and Applied Mechanics	155
NSF 10000244 GEO-1125215	Inqua Congress Travel Fellowship Program	2
NSF 10000260 BCS-1127086	Leadership Support for Core Activities of the Board on Behavioral, Cognitive, and Sensory Sciences	230
NSF 10000263 OCE-1128156	Scientific Advances and Accomplishments of the US Globec Program A Meeting of Experts	20
NSF 10000283 CBET-1138917	Triennial Review of the National Nanotechnology Initiative: Phase Ii	360
NSF 10000308 PHY-1132549	Partial Support of the Committee on Atomic, Molecular and Optical Science	78
NSF 10000316 PHY-1134011	-----Partial Core Support of the Board on Physics & Astronomy	128
NSF 10000325 CBET-1135117	Sustainability Linkages in the Federal Government	45
NSF 10000354 ENG-1136841	Nae-usip Roundtable Ontechnology, Science, and Peacebuilding	64
NSF 10000357 ARC-1136842	U.S. Annual Dues Support for the International Arctic Science Committee (iasc) and the Scientific Committee on Antarctic Research (scar) 211-213	42
NSF 10000362 ARC-1137066	Activities of the Polar Research Board 211 - 214	376
NSF 10000379 HRD-1137641	Career Outcomes of Engineering Bachelor's Degree Recipients	48
NSF 10000384 CHE-1138764	Assessing the Importance and Impact of Glycomics and Glycosciences - Phase Ii	35
NSF 10000401 CBET-1139737	Wstb Core Support	24
NSF 10000419 DRL-1141048	Planning Process on Core Ideas for K-12 Standards in the Behavioral and Social Sciences	26
NSF 10000427 OISE-1139895	Changing Mindsets to Promote Women and Girls in Science U.S. State Department Conference: Facilitating Participation of International Women in Science in Engineering	11
NSF 10000451 OCE-1144069	Review of the National Ocean Acidification Research and Monitoring Plan	66
NSF 10000456 OCI-1144157	Future Career Opportunities and Educational Requirements for Digital Curation	69
NSF 10000488 1147410	Graduate Education in Chemistry in the Context of A Changing Environment	102
NSF 10000507 EF-1148835	Supporting International Cooperation on Biodiversity Issues: U.S. national Committee for Diversitas	61
NSF 10000575 SES-1156274	Risk Management and Governance Issues in Shale Gas Development	35
NSF 10000587 AGS-1158602	Activities to Advance Atmospheric and Climate Science 211-214	356
NSF 10000595 EPS-1157188	Evaluation of the National Science Foundation's Experimental Program to Stimulate Competitive Research (epscor) and Similar Programs in Other Federal Agencies	243
NSF 10000600 DMR-1131861	Partial Support of the Condensed Matter and Materials Research Committee	27
NSF 10000621 SMA-1158773	Science of Science and Innovation Policy: Principal Investigator Conference, 27-211 Awards	202
NSF 10000633 DEB-1160430	Fostering Partnerships and Linkages in Sustainability Science and Innovation - A Summit	241
NSF 10000660 EFR1-1202935	212 Frontiers of Engering Symposia (U.S. German-american, and Japan-america)	106
NSF 10000720 DRL-1214813	The U.S. National Commission on Mathematics Instruction (USNC/MI): Representing the U.S. Mathematics Community Abroad	97
NSF 10000728 SMA-1215040	Assessing the Value of Research in Advancing National Goals	173
NSF 10000731 AST-1215008	Committee on Astronomy and Astrophysics	72
NSF 10000845 CHE-1232613	Best Core	1
NSF 10000852 DRL-1233221	Evaluation Framework for Successful K-12 Stem Education: A Consensus Study	317
NSF 10000863 DRL-1238273	Communicating Chemistry in Informal Settings	24
NSF 10000951 ARC-1243485	Emerging Arctic Research Questions	10
NSF 10000956 OCE-1242775	Nsf Support for Osb Core Activities	55
NSF 10000957 OIA-1241365	Core Support for the Federal Demonstration Partnership	7
NSF 10000980 OISE-1242920	Brazil-america Frontiers of Science and Engineering Symposium	1
NSF 10000996 DMR-1243686	Partial Support of the Condensed Matter and Materials Research Committee	15
NSF 10001002 SES-1244655	Designing A New National Survey on Social Mobility	4
NSF 10001059 OCI-1248170	The Science of Team Science	89
NSF 10001076 BCS-1249383	Revisions to the Common Rule for the Protection of Human Subjects in Research in the Behavioral Social Sciences	34
NSF 10001087 CBET-1250334	Core Support of the Water Science and Technology Board	10
NSF 10-019-06 NSFDFACS11P1173	Responsible Science: Ensuring the Integrity of the Research Process	5
NSF 10-041-02 EAR-1049274	Board on Earth Sciences and Resources and Its Activities	137
NSF 10-088-02 OCI-1040898	The Board on Research and Data Information	477
NSF 10-193-01 DMS-1049906	Support the Committee on Applied and Theoretical Statistics	138
NSF 10-211-02 DRL-1063495	Highly Successful Schools or Programs for K-12 Stem Education: A Workshop	94
NSF 10-231-01 AST-1056189	Partial Support of the Committee on Radio Frequencies (conf 21)	165
NSF 10-256-01 BCS-1064270	Forum on Neuroscience and Nervous System Disorders	97
NSF 10-258-01 CMMI-1060460	Disasters Roundtable	11
NSF 10-331-02 DRL-1114829	Toward Integrated Stem Education: Developing A Research Agenda	87
NSF 10-340-01 DUE-1102114	Robert Noyce Teacher Scholarship Program (noyce) Principal (pi) Garnering Useful Instruction Developing...(pi Guide)	45
NSF 10-359-01 DMR-1108705	The Current Status and Future Direction of High Magnetic Field Study in the United States	212
NSF 10-360-01 AGS-1106426	The Effects of Solar Variability on Earth's Climate: A Workshop	38
NSF 10-363-01 EFR1-1108785	211 Frontiers of Engineering Symposia (U.S., Japan-america, and E.U.-U.S.)	81
NSF 10-386-01 DUE-1112988	Evolving Relationships and Dynamics Between Two - and Four-year Colleges and Universities	121
NSF 10-402-01 CHE-1118370	U.S. Travel Fellowships Fr the 211 Iucr Congress	7
NSF 10-403-01 IIS-1118399	Workshop on Public Response to Alerts and Warnings Using Social Media & Associated Privacy Consideration: Current...	172
Sponsor total		15,820

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Sponsor: ARRA NSF – National Science Foundation:		
ARRA – NSF 6177 EEC-0957578	Changing the Conversation: From Research to Action	\$ 45
	Sponsor total	45
Sponsor: NTSB – National Transportation Safety Board:		
NTSB 10000793 NTSBP120015	Trb – Organizational Affiliate Membership Renewal 212	15
	Sponsor total	15
Sponsor: ODNI – Office of the Director of National Intel:		
ODNI 8577 2008*1199327*000	Study on Behavioral and Social-science Research to Improve Intelligence Analysis for National Security	3
	Sponsor total	3
Sponsor: SMTH – Smithsonian Institution		
SMTH 10000250 12-SUBC-440-0000255012	Developing A Project on Learning Evolution Through Human Examples: Role of the Teacher Advisory Council	23
SMTH 10000949 12-PO-590-0000254005	Emerging Arctic Research Questions	2
SMTH 11-001-17 11-PO-730-0000220263	Continuing Support of the Federal Facilities Council	14
	Sponsor total	39
Sponsor: SSA – Social Security Administration:		
SSA 8757-003 SS00-08-31413, TO #1	Standing Committee of Medical Experts	292
	Sponsor total	292
Sponsor: STAT – Department of State:		
STAT 3977 SAQMMA09M0693	Planning the Assessment/evaluation of Hiv/aids Programs Implemented Under the U.S. Global Leadership Against Hiv/aids Review and Update the 22 Nrc Ctb Report	2,440
STAT 6154 SAQMMA09M1670	Anticipating Biosecurity Challenges of the Global Expansion of High Biocontainment Research Laboratories	40
STAT 6253 S-LMAQM-09-GR-056	Building People-to-people Linkages Through Science: Assistance in Management of the Pakistan-United States....	139
STAT 6414 S-LMAQM-10-CA-384	Joint U.S.-Russian Assessment of Bioengagement: Impacts, Lessons Learned, and A Path Towards Future Collaboration	972
STAT 6602 SLMAQM-10-GR-089	Scientific Engagement to Promote Biological Nonproliferation	152
STAT 6614 SLMAQM-10-GR-087	Indonesian-american Kavli Frontiers of Science Program	299
STAT 6621 SLMAQM-10-GR-088	Assistance in the Management of the Pakistan-unitedstates Science and Technology Cooperative Program	234
STAT 8478 S-LMAQM-08-GR-071	Global Norms and Educational Standards Against the Misuse of Biotechnology Review of the Department of State's Security Engagement Prioritization Methodology: An Experts Meeting	981
STAT 10000413 S-LMAQM-11-GR-1061	Nuclear Security Dialogues with China and Russia	217
STAT 10000544 SLMAQM-11-GR-057	India-U.S. Workshop on Science and Technology for Countering Terrorism in 213 and Beyond	53
STAT 10000602 SAQMMA11M1851	U.S.-Russian Cooperation in Upgrading Public Health-biosecurity in Central Asia	94
STAT 10001114 S-LSNCT-12-CA-1003	Continuing Support of the Federal Facilities Council	1
STAT 10001133 S-LSNCT-12-GR-1001		5
STAT 11-001-18 SAQMMA11M0359		45
	Sponsor total	5,672
Sponsor: TRSY – Department of Treasury:		
TRSY 6557 TOS10-C-003	Effects of Provisions in the Internal Revenue Code on Greenhouse Gas Emissions	773
TRSY 6604 TOS10-C-004	Long-term Economic Effects of An Aging U.S. Population	456
TRSY 10001089 TOS-12-C-003	Study of the Long-term Economic Effects of Population Aging in the United States – Phase II	71
	Sponsor total	1,300
Sponsor: USDA – U.S. Department of Agriculture:		
USDA 3931 AG-3198-C-09-0006	Estimating Children Eligible for School Nutrition Programs Using the American Community Survey	192
USDA 6216 09-DG-11221637-351	Increasing National Resilience to Hazards and Disasters	90
USDA 6573 AG-3198-C-10-0017	Workshop on Updating the Usda National Breastfeeding Campaign "loving Support Makes Breastfeeding Work"	38
USDA 6596 2010-38836-21706	A Sustainability Challenge: Food Security for All	7
USDA 6597 2010-38840-21438	Government University-industry Research Roundtable Core Activities & the Federal Demonstration Partnership Core	18
USDA 8392 AG-3198-C-08-0001	Review of National School Lunch and School Breakfast Program Meal Patterns and Nutrient Standards	224
USDA 10000375 2011-67013-30720	A National Summit on Strategies to Manage Herbicide – Resistant Weeds	24
USDA 10000400 59-0790-1-124	Sustainability Linkages in the Federal Government	11
USDA 10000515 11-DG-11132650-325	Estimating the Ecosystem Benefits of Urban Forestry	84
USDA 10000546 AG-3198-C-11-0011	Adequacy of Food Resources and Snap Allotments	449
USDA 10000581 AG-3187-P-12-0040	Engaging and Enabling Private Forest Landowners to Adopt Forest Adaptation Management Practices in the Face of AChanging Climate	1
USDA 10000649 58-6000-1-0067	National Summit on Strategies to Manage Herbicide-resistant Weeds	25
USDA 10000736 AG-32SB-P-12-0132	Continuing Support of the Federal Facilities Council	1
USDA 10000805 59-0790-2-058	Na-usip Roundtable on Technology, Science and Peacebuilding	94
USDA 10001082 2012-38886-20013	Arfi Review	76
USDA 10001117 UNNUMBERED	Inter Agency Personnel Agreement – Michelle Catlin	69
USDA 10001232 AG-3198-C-12-0023	National Nutrition Education Curriculum Standards: A Workshop	33
USDA 10-262-03 CNPP-IOM-11-0001	Examination of Front-of-package Nutrition Rating Systems and Symbols (phase II)	50
USDA 11-001-19 AG-3K06-P-11-0550	Continuing Support of the Federal Facilities Council	15
USDA 8563-001 AG-3A94-D-10-0255, TO# 9	To# 9/ag-3a94-d-1-255: Subcommittee for the Review of Fsis	3
	Sponsor total	1,504

NATIONAL ACADEMY OF SCIENCES
Detailed Schedule of Expenditures of Federal Awards
Year ended December 31, 2012
(Dollars in thousands)

Contract identifier	Program name	Expenditures
Sponsor: VA – Department of Veterans Affairs:		
VA 6580 VA248-P-1528	Roundtable on Translating Genomics-based Research for Health	\$ 70
VA 6677 101-G09041	Forum on Medical and Public Health Preparedness for Catastrophic Events	47
VA 10000256 VA241-P-2024, TO #3	Gulf War and Health: Treatment of Chronic Multisymptom Illness	648
VA 10000425 VA241-P-2024, TO #4	Continued Support for General Epidemiologic Research of Military and Veteran Populations	286
VA 10000452 VA240-P-0049	Forum on Neuroscience and Nervous System Disorders	93
VA 10000612 VA241-P-2024, TO #5	Gulf War and Health: Long Term Effects of Blast Exposure	328
VA 10000622 VA241-P-2024, TO #6	Review of the Health Effects in Vietnam Veterans of Exposure to Herbicides-Ninth Biennial Update	668
VA 10000631 539-C15390	Forum on Microbia Threats	1
VA 10000694 VA741-12-P-0119	Global Forum on Innovation in Health Professional Education	5
VA 10000755 VA101-12-C-0010	Continuing Support of the Federal Facilities Council	24
VA 10001047 VA241-P-2024, TO #7	Continued Support for General Epidemiological Research of Military and Veteran Populations	71
VA 10001057 VA741-12-P-0200	Study of Governance and Financing of Graduate Medical Education	90
VA 10001231 VA268-12-P-0014	Forum on Aging, Disability, and Independence	39
VA 10001241 101-D27015	Forum on Neuroscience and Nervous System Disorders	25
VA 10-019-05 VA101-C17404	Responsible Science: Ensuring the Integrity of the Research Process	33
VA 10-036-01	Roundtable on Value and Science-driven Health Care	136
VA 10-388-01 VA241-P-2024, TO #2	Shipboard Hazard and Defense Ii (shad II)	716
VA 10-394-01 VA246-P-0700	Air Force Health Study Research Assets Management Program	895
VA 5854-002 V101(93)P-2136, TO #20	Review of the Health Effects in Vietnam Veterans of Exposure to Herbicides – Eighth Biennial Update	88
VA 5854-003 V101 (93) P-2136, TO #19	Long Term Health Consequences of Exposure to Burn Pits in Iraq and Afghanistan	1
VA 6589-002 VA241-P-2024, TO #1	Epidemiologic Research Support	2
	Sponsor total	4,266
	Total advisory and research activities	216,016
Function: Fellowship and Other Support of Scholars:		
Sponsor: AID – Agency for International Development		
AID 10000242 AID-OAA-A-11-00012	Assistance in Management of Usaid’s Partnership with the National Science Foundation and Related Activities to Promote Global S&t Partnerships	48
	Sponsor total	48
Sponsor: AIRF – Department of the Air Force:		
AIRF 4705 F49620-02-C-0015	Afosl Resident Research Associateship Program	15
AIRF 10000701 FA9550-12-C-0009	Afsl Resident Research Associateship Program	3,817
AIRF 10000727 FA9550-12-D-0001, DO #1	Do #1: Afsl Resident Research Associateship Program	383
AIRF 10000811 FA9550-12-D-0001, DO #2	Do #2: Afsl Resident Research Associateship Program	2,994
AIRF 10001319 FA9550-12-D-0001, DO #1001	Do #11: Afsl Resident Research Associateship Program	574
	Sponsor total	7,783
Sponsor: ARMY – Department of the Army:		
ARMY 5341 DAAD17-03-C-0070	Resident Reseach Associateship Program with the Army Research Laboratory	5
ARMY 6257 W912-HQ-09-C-0066	Army Corps of Engineers Resident Research Associateship Program	82
ARMY 10000277 W911NF-09-D-0002, DO #14	Do #14: Funding for Associate, Dr. Colleen Kenney	71
ARMY 10000280 W911NF-09-D-0002, DO #16	Do #16: Funding for Associate, Dr. Masaomi Matsumoto	78
ARMY 10000285 W81XWH-07-2-0001, DO #120	Do #12: Characterization of Antibody Products for Therapy in Botulinum Type A Intoxication	16
ARMY 10000286 W81XWH-07-2-0001, DO #121	Do #121: Malaria – Immunology Research Opportunity	12
ARMY 10000289 W81XWH-07-2-0001, DO #122	Do #122: Assessment of Mechanisms of Treatment for Toxic Agent-Induced Acute Lung Injury in Vivo & in Vitro	43
ARMY 10000290 W81XWH-07-2-0001, DO #123	Do #123: Biomaterials for Infection Control in Extremity Trauma	35
ARMY 10000291 W81XWH-07-2-0001, DO #124	Do #124: Microbiology/molecular Biology Postdoctoral	10
ARMY 10000321 W911NF-09-D-0002, DO #19	Do #19: Postdoctoral Research Associateship Program	76
ARMY 10000326 W81XWH-07-2-0001, DO #125	Do #125: Stem Cell Biology/cytokine Biology Postdoctoral	41
ARMY 10000327 W81XWH-07-2-0001, DO #126	Do #126: Vector Biology and Control Research Lab	50
ARMY 10000346 W911NF-09-D-0002, DO #21	Do #21: U.s. Army Ecbc Postdoctoral Research Associateship Program	78
ARMY 10000347 W81XWH-07-2-0001, DO #128	Do #128: Pathobiology of Hemorrhage and Trauma	45
ARMY 10000360 W81XWH-07-2-0001, DO #129	Do #129: Malaria-immunology	94
ARMY 10000368 W911NF-11-2-0030	Arl Resident Research Associateship Program	658
ARMY 10000380 W911NF-09-D-0002, DO #22	Do #22: Postdoctoral Research Associateship Program	71
ARMY 10000408 W81XWH-12-2-0010	Amrmc Resident Research Associateship Program	284
ARMY 10000422 W81XWH-07-2-0001, DO#130	Do #13: Acute Lung Injury and Shock	58
ARMY 10000436 W911NF-09-D-0002, DO #23	Do #23: Postdoctoral Research Associateship Program	16
ARMY 10000437 W911NF-09-D-0002, DO#24	Do #24: Postdoctoral Research Associateship Program	46
ARMY 10000462 W81XWH-07-2-0001, DO #131	Do #131: Stem Cell Biology	41
ARMY 10000469 W81XWH-07-2-0001, DO #134	Do #134: Molecular Systematics and Diagnostics; Entomology	85
ARMY 10000474 W911NF-09-D-0002, DO #25	Do #25: Postdoctoral Research Associateship Program	6
ARMY 10000522 W81XWH-07-2-0001, DO #133	Do #133: Acute Lung Injury and Shock	50
ARMY 10000524 W81XWH-07-2-0001, DO #138	Do #138: Improving Outcomes of Extremity Trauma Through Infection Control and Bone Regeneration	35
ARMY 10000525 W81XWH-07-2-0001, DO #139	Do #139: Improving Outcomes of Extremity Trauma Through Infection Control and Bone Regeneration	42
ARMY 10000556 W81XWH-07-2-0001, DO #137	The Role of Cellular Microparticles in the Onset and Resolution of Coagulopathy and Inflammation Following Trauma	47
ARMY 10000596 W911NF-09-D-0002, DO #26	U.S. Army Research Office Postdoctoral Research Associateship Program	76
ARMY 10000698 W81XWH-07-2-0001, DO #140	Do #14: Ocular Trauma Treatment	60
ARMY 10000699 W81XWH-07-2-0001, DO #141	Do #141: Viral Vaccines and Therapeutics	60
ARMY 10000713 W911NF-09-D-0002, DO #27	Do #27: U.S. Army Research Office Postdoctoral Research Associateship Program	69
ARMY 10000714 W911NF-09-D-0002, DO #28	Do #28: U.S. Army Research Office Postdoctoral Research Associateship Program	44
ARMY 10000864 W81XWH-12-2-0015	Associate Support for Usair	373
ARMY 10000874 W911NF-09-D-0002, DO #29	Do #29: U.S. Army Research Office Postdoctoral research Associateship Program	62
ARMY 10000880 W81XWH-12-2-0018	Associate Support for Usamriid	54
ARMY 10000947 W81XWH-12-2-0030	Associate Support for Usamricd	63
ARMY 10000965 W81XWH-12-2-0033	Associate Support for Wrair/nmrc	69

NATIONAL ACADEMY OF SCIENCES
Detailed Schedule of Expenditures of Federal Awards
Year ended December 31, 2012
(Dollars in thousands)

Contract identifier			Program name	Expenditures
ARMY	10001176	W911NF-09-D-0002, DO #30	Do #3: U.S. Army Research Office Postdoctoral Research Associateship Program	\$ 28
ARMY	10001177	W911NF-09-D-0002, DO #31	Do #31: U.S. Army Research Office Postdoctoral Research Associateship Program	30
ARMY	10001233	W911NF-09-D-0002, DO #32	Do #32: U.S. Army Research Office Postdoctoral Research Associateship Program	15
ARMY	10001251	W911NF-09-D-0002, DO #33	Do #33: U.S. Army Research Office Postdoctoral Research Associateship Program	17
ARMY	2867-002	W911NF-09-D-0002, DO #11	Do #11: Funding for Associate, Dr. Joshua Weaver	49
ARMY	2867-005	W911NF-09-D-0002, DO #10	Do #1: Funding for Associate, Dr. Young Kuk Jhon	6
ARMY	2867-007	W911NF-09-D-0002, DO #8	Do #8: Dr. Jared Decoste	71
ARMY	2867-013	W911NF-09-D-0002, DO #1	Army Research Office Resident Associateship Program	11
ARMY	7882-001	W81XWH-07-2-0001, DO #118	Do #118: Pharmacological Strategies to Enhance Performance in Fatigued Soldiers	77
ARMY	7882-003	W81XWH-07-2-0001, DO #119	Do #119: Drug Development, Medical Chemistry, and Drug Metabolism and Pharmacokinetics of New Chemical Entities	60
ARMY	7882-004	W81XWH-07-2-0001, DO #117	Do #117: performance Assessment, Preclinical Drug Development, and Chemical Evaluation	28
ARMY	7882-006	W81XWH-07-2-0001, DO #114	Do #114: Support for the Nrc Associate – Dr. Radu Muthiac to Work at Wrair	21
ARMY	7882-007	W81XWH-07-2-0001, DO #95	Do #95: Nrc Associate Support	2
ARMY	7882-010	W81XWH-07-2-0001, DO #112	Do #112: Support for Nrc Associate, Dr Michael Adams Meledeo	10
ARMY	7882-011	W81XWH-07-2-0001, DO #106	Do #16: Nrc-based Biomedical Research for Biodefense	15
ARMY	7882-012	W81XWH-07-2-0001, DO #107	Do #17: Support for Nrc Associate Dr. Kathryn Nichol	26
ARMY	7882-013	W81XWH-07-2-0001 DO# 104	Do #14: Nrc – Based Biomedical Research for Biodefense	78
ARMY	7882-014	W81XWH-07-2-0001, DO #108	Do #18: Support for Nrc Associate Dr. Melanie Melendrez	25
ARMY	7882-015	W81XWH-07-2-0001, DO #111	Do #111: Nrc Based Biomedical Research for Biodefense	57
ARMY	7882-016	W81XWH-07-2-0001, DO #110	Do #11: Nrc Based Biomedical Research for Biodefense	80
ARMY	7882-017	W81XWH-07-2-0001, DO #109	Do #19: Nrc Based Biomedical Research for Biodefense	47
ARMY	7882-018	W81XWH-07-2-0001, DO #105	Do #15: Nrc-based Biomedical Research for Biodefense	53
ARMY	7882-020	W81XWH-07-2-0001 DO# 87	Nrc-based Biomedical Research for Biodefense	1
ARMY	7882-021	W81XWH-07-2-0001, DO #103	Do #13: Nrc-based Biomedical Research for Biodefense	44
ARMY	7882-023	W81XWH-07-2-0001, DO#101	Do #1: Support for Nrc Associate Dr. Allison Dauner for Nrc-based Biomedical Research for Biodefense	58
ARMY	7882-025	W81XWH-07-2-0001, DO #99	Do #99: Support for Nrc Associate for Nrc Based Biomedical Research Program	14
ARMY	7882-026	W81XWH-07-2-0001, DO #98	Do #98: Support for Nrc Associate for Nrc Based Biomedical Research for Biodefense	70
ARMY	7882-027	W81XWH-07-2-0001, DO #96	Do #96: Support for Nrc Associate, Tamako Garcia, for Nrc Based Biomedical Research	72
ARMY	7882-028	W81XWH-07-2-0001, DO #94	Do #94: Support for Nrc Associate, Franco Rossetti, at Wrair	37
ARMY	7882-033	W81XWH-07-2-0001, DO #92	Do #92: Support Nrc Associate	71
ARMY	7882-035	W81XWH-07-2-0001, DO #93	Nrc Based Biomedical Research for Biodefense	2
ARMY	7882-037	W81XWH-07-2-0001 DO# 90	Nrc-based Biomedical Research for Biodefense	16
ARMY	7882-038	W81XWH-07-2-0001 DO# 80	Nrc-based Biomedical Research for Biodefense	1
ARMY	7882-039	W81XWH-07-2-0001 DO#84	Nrc-based Biomedical Research for Biodefense	46
ARMY	7882-040	W81XWH-07-2-0001 DO# 79	Wrair Nrc-based Biomedical Research for Biodefense	73
ARMY	7882-062	W81XWH-07-2-0001, DO #36	Support for the Resident Research Associateship Program with Usammr	22
ARMY	7882-079	W81XWH-07-2-0001 DO# 67	Do #67: support Biomedical Based Research for Biodefense	56
ARMY	7882-085	W81XWH-07-2-0001, DO #46	Kimberly Spradling to Perform Research on the Molecular Toxicology of Chemical Warfare Agents	47
ARMY	7882-116	W81XWH-07-2-0001	U.S. Army Medical Research & Materiel Command Resident Research Associateship Program	24
Sponsor total				4,565
Sponsor: CMRC – Department of Commerce:				
CMRC	6545	EA133F-10-CN-0187	National Oceanic and Atmospheric Administration with Resident Research Associateship Program	3,443
CMRC	8654	SB1341-08-CN-0052	Nist Resident Research Associateship Program	414
Sponsor total				3,857
Sponsor: ARRA CMRC – Department of Commerce:				
ARRA – CMRC	6229	SB134109CN0121	Nist Resident Research Associateship Program	2,610
Sponsor total				2,610
Sponsor: DHHS – Department of Health & Human Services:				
DHHS	7928	N01-QD-6-0008	Nih Resident Research Associateship Program	386
DHHS	10001138	HHSN263201200017C	Nih/nist Resident Research Associateship Program	126
Sponsor total				512
Sponsor: DOD – Department of Defense:				
DOD	6576	HU0001-10-C-D007	Afrii Resident Research Associateship Program	110
Sponsor total				110
Sponsor: DOE – Department of Energy:				
DOE	7311	DE-FC26-05NT42248	Netl Resident Research Associateship Program	369
Sponsor total				369
Sponsor: DOT – Department of Transportation				
DOT	5868	DTFH61-04-C-00007	Resident Research Associateship Program with the Federal Highway Administration	198
DOT	10000671	DTFAAC07A-00059, DO #9	Faa Civil Aerospace Medical Institute (cami) Sponsorship of the Nrc Associates Program	9
DOT	10000854	DTFAAC07A-00059, DO #10	Do #1: Faa Civil Aerospace Medical Institute (cami) Sponsorship of the NRC Associates Program	43
DOT	10000928	DTFH61-12-D-00014, BASE	Fhwa/thrc Resident Research Associateship Program	13
DOT	10001079	DTFH61-12-D-00014-T-120001	Advancing Highway Crash Data Modeling	37
DOT	10001165	DTFH61-12-D-00014-T-12003	Use of Inorganic Coatings as Curing Compounds	21
DOT	10001215	DTFH61-12-D-00014-T-12004	Vehicle/tire and Contact Friction Modeling	25
DOT	10001250	DTFAAC12A-00031, DO #1	Do #1: Faa Civil Aerospace Medical Institute (cami) Sponsorship of the NRC Associates Program	3
DOT	10001267	DTFH61-12-D-00014-T-13005	Comprehension & Development of Nano-additives to Judicially Improve the Interfacial Region in Concrete & Asphalt	20
DOT	10001268	DTFH61-12-D-00014-T-13006	Prediction of Pavement Temperature Profiles Using Surface Temperatures: An Analytical Approach with Model Validation Based on Ltpg Data	20
DOT	10001280	DTFH61-12-D-00014-T-13007	Operational and Safety Analyses of Alternative Intersection/interchange Designs	9
Sponsor total				398
Sponsor: DTRA – Defense Threat Reduction Agency:				
DTRA	10000639	HDTRA1-10-D-0010, DO #2	Do #2: Defense Threat Reduction Agency Chemical and Biological Defense Program Research Associateship Program	1,316
DTRA	6618-001	HDTRA1-10-D-0010, DO #1	Do #1: Defense Threat Reduction Agency Chemical and Biological Defense Program Research Associateship Program	390
Sponsor total				1,706
Sponsor: EPA – Environmental Protection Agency				
EPA	7864	CR-83323201	Resident Research Associateship Program	2,544
Sponsor total				2,544

NATIONAL ACADEMY OF SCIENCES
Detailed Schedule of Expenditures of Federal Awards
Year ended December 31, 2012
(Dollars in thousands)

Contract identifier	Program name	Expenditures
Sponsor: MMC – Marine Mammal Commission		
MMC 8328 E4026348	National Research Council Resident Research Associateship Program	\$ 80
	Sponsor total	<u>80</u>
Sponsor: NAVY – Department of the Navy:		
NAVY 8379 N00173-08-2-C005	NRL Resident Research Associateship Program	7,569
NAVY 10000472 N66001-10-D-0068, TO #2	Do #2: Spawar/navy Marine Mammal Program (nmmp) Research Associateship Program	78
NAVY 10000617 N00244-11-C-0034	Nps Resident Research Associateship Program	2,141
	Sponsor total	<u>9,788</u>
Sponsor: NSF – National Science Foundation:		
NSF 6586 OIA-1048372	Research Universities	405
	Sponsor total	<u>405</u>
Sponsor: STAT – Department of State:		
STAT 10000233 SAQMMMA11C0042	Jefferson Science Fellows at the U.S. Department of State	320
STAT 10-296-01	Interamerican Network of Academies of Science (ianas) Exchange Program	173
	Sponsor total	<u>493</u>
	Total fellowship and other support of scholars	<u>35,268</u>
Function: Pass-through:		
Sponsor: CDC – Centers for Disease Control:		
CDC 6679 DP000607	Living Well with Chronic Disease: Public Health Action to Reduce Disability and Improve Functioning and Quality of Life	105
	Sponsor total	<u>105</u>
Sponsor: DHHS – Department of Health & Human Services:		
DHHS 10000674 UNNUMBERED	The Greatest Generation: the Nas-nrc Wwii Twins Registry As Scientific Resource	37
	Sponsor total	<u>37</u>
Sponsor: DHS – Department of Homeland Security:		
DHS 6311 UNNUMBERED	Aleutian Islands Risk Assessment Peer Review	14
	Sponsor total	<u>14</u>
Sponsor: DOD – Department of Defense:		
DOD 6454 970393	U.S. Naval Forces, Capabilities for Responding to Small Vessel Threats	31
	Sponsor total	<u>31</u>
Sponsor: DOE – Department of Energy:		
DOE 8697 858931	Comparative Innovation Policy: Best Practices in National Technology Programs	26
DOE 10000363 4000112326	India – U.S. Workshop on Technical Aspects of Nuclear Material Security	202
	Sponsor total	<u>228</u>
Sponsor: DOL – Department of Labor:		
DOL 10000679 4431	National Technical Assistance and Research Center	47
	Sponsor total	<u>47</u>
Sponsor: NSF – National Science Foundation:		
NSF 10-138-01 2010-06855-03	Ethics in Science, Mathematics, and Engineering Online Resource Center (ethics Resource)	37
NSF 6687 UNNUMBERED	Climate Change Education Partnership (ccep) Program	71
NSF 10000984 A003418203	Pire: Developing Low-carbon Cities in the Usa, China & India Through Inter-disciplinary Integration Across Engineering, Environmental Sciences, Social Sciences & Public Health	1
NSF 10000895 DUE-1239782	Climate and Urban Systems Partnership	12
NSF 10001125 721-NAE	Identifying and Surmounting Impediments to Implementing Diversification Efforts in Engineering Education	1
	Sponsor total	<u>122</u>
	Total pass-through funding	<u>584</u>
	Total federal spending	<u>\$ 251,868</u>

See accompanying independent auditors' report and notes to schedule of expenditures of federal awards and detailed schedule of expenditures of federal awards.

NATIONAL ACADEMY OF SCIENCES

Notes to Schedule of Expenditures of Federal Awards and Detailed Schedule of Expenditures of Federal Awards

December 31, 2012

(1) Summary of Significant Accounting Policies

(a) *Basis of Presentation*

The accompanying schedule of expenditures of federal awards summarizes, at the agency or sub-agency level, the expenditures of the National Academy of Sciences (NAS) under programs of the federal government for the year ended December 31, 2012.

The accompanying detailed schedule of expenditures of federal awards, provides the same population of federal expenditures at the individual award level.

For the purposes of both accompanying schedules, federal awards include all grants, contracts, and similar agreements entered into directly between NAS and agencies of the federal government, and all sub-awards to NAS by nonfederal organizations pursuant to federal grants, contracts, and similar agreements.

All federal awards received by NAS are classified as one clustered major program, research and development awards, in accordance with the provisions of Office of Management and Budget (OMB) Circular A-133, *Audits of States, Local Governments and Non-Profit Organizations*.

In the accompanying schedules, NAS reports research and development awards within the research and development cluster in the following categories:

Advisory and Research – This category includes awards from executive and legislative agencies requesting that NAS either (1) form a committee of experts to research a scientific or technological issue (generally resulting in a report or a symposium) or (2) administer a federally sponsored research and development program. These awards are provided under cost-type contracts and grants from various federal agencies.

Fellowships and Other Support of Scholars – This category includes awards that support research and development fellow and scholar programs which NAS administers on behalf of the federal government. These awards are provided under cost-type contracts and grants from various federal agencies.

Pass-Through Funding – NAS is also the subrecipient of federal funds from nonfederal organizations. These funds are reported in the accompanying schedules as federal pass-through funding received.

(b) *Expense Recognition*

NAS uses a modified accrual basis accounting for reporting costs incurred on behalf of sponsors. All expenditures are recognized and recorded on a cash basis except prepaid insurance, prepaid magazine subscriptions, prepaid postage, travel advances, and accrued annual leave which are recognized on the accrual basis of accounting.

NATIONAL ACADEMY OF SCIENCES

Notes to Schedule of Expenditures of Federal Awards and Detailed Schedule of Expenditures of Federal Awards

December 31, 2012

Expenses that are recognized and recorded on other than a cash or accrual basis include the capitalization and subsequent depreciation/amortization of fixed assets and the related provisions of Cost Accounting Standard 414, *Cost of Money*.

(c) Indirect Costs

Total expenditures as shown on the schedules include indirect costs recoverable from sponsors. Indirect costs for NAS consist of overhead and general and administrative expenses. The overhead rate is assessed against direct salaries, accrued leave, fringe benefits, and services provided by outside contractors on NAS property. The general and administrative rate is assessed against direct costs and overhead.

For 2012, NAS allocated indirect costs to government contracts and grants using fixed rates, with carryforward provisions, established by NAS' cognizant agency.

(d) Subrecipients

Certain funds are passed through to subrecipient organizations by NAS. Subrecipient expenses reimbursed by NAS are included in the schedules and totaled approximately \$68.8 million for the year ended December 31, 2012.

(e) CFDA Numbers

Catalog of Federal Domestic Assistance (CFDA) numbers are generally not available in preparing the accompanying schedules. The detailed schedule of expenditures of federal awards provides specific identifying award information used by the respective federal sponsors.



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Independent Auditors' Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards*

The Auditing Committee
National Academy of Sciences:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the National Academy of Sciences (NAS), which comprise the statement of financial position as of December 31, 2012, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated May 17, 2013.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered NAS' internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of NAS' internal control. Accordingly, we do not express an opinion on the effectiveness of NAS' internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether NAS' financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.



Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of NAS' internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering NAS' internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

KPMG LLP

May 17, 2013



KPMG LLP
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Independent Auditors' Report on Compliance for Each Major Program and Report on Internal Control Over Compliance in Accordance with OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*

The Auditing Committee
National Academy of Sciences:

Report on Compliance for Each Major Federal Program

We have audited the National Academy of Sciences' (NAS) compliance with the types of compliance requirements described in the U.S. Office of Management and Budget (*OMB Circular A-133 Compliance Supplement*) that could have a direct and material effect on NAS' major federal program for the year ended December 31, 2012. NAS' major federal program is identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for NAS' major federal program based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about NAS' compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for the major federal program. However, our audit does not provide a legal determination of NAS' compliance.

Opinion on Each Major Federal Program

In our opinion, NAS complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on its major federal program for the year ended December 31, 2012.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with OMB Circular A-133 and which are described in the accompanying schedule



of findings and questioned costs as item 2012-01. Our opinion on the major federal program is not modified with respect to these matters.

NAS' response to the noncompliance finding identified in our audit is described in the accompanying schedule of findings and questioned costs. NAS' response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control over Compliance

Management of NAS is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered NAS' internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of NAS' internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

KPMG LLP

May 17, 2013

NATIONAL ACADEMY OF SCIENCES

Schedule of Findings and Questioned Costs

Year ended December 31, 2012

Section I – Summary of Auditors’ Reports

Financial Statements

The type of report issued on the financial statements: Unqualified opinion

Internal control over financial reporting:

- Material weaknesses identified? No
- Significant deficiencies identified that are not considered to be material weaknesses? None reported

Noncompliance material to the financial statements noted? No

Federal Awards

Internal control over major programs:

- Material weaknesses identified? No
- Significant deficiencies identified that are not considered to be material weaknesses? None reported

Type of auditors’ report issued on compliance for major programs: Unqualified opinion

Any audit findings which are required to be reported under Section. 510(a) of OMB Circular A-133: Yes

- Identification of major programs: Research and Development Cluster

Dollar threshold used to distinguish between type A and type B programs: \$3,000,000

Auditee qualified as low risk auditee under Section. 530 of OMB Circular A-133 Yes

Section II – Findings Relating to the Financial Statements Reported in Accordance with *Government Auditing Standards*:

None.

NATIONAL ACADEMY OF SCIENCES

Schedule of Findings and Questioned Costs

Year ended December 31, 2012

Section III – Federal Award Findings and Questioned Costs:

Finding 2012-01: **Reporting and Subrecipient Monitoring**

Federal Program: Research and Development Cluster

Federal Agencies: Department of the Air Force
Agency for International Development
National Science Foundation
Department of Energy
Department of Transportation
Department of Health & Human Services

CFDA Numbers: 12.000
98.000
47.000
81.000
20.000
93.000

Federal Award Numbers: FA9550-12-C-0009 (December 1, 2011-November 30, 2012) and
FA9550-12-D-0001, DO #2 (December 1, 2011-November 30, 2012)
AID-OAA-A-11-00012 (July 25, 2011-July 24, 2016)
SES-1024012 (October 1, 2010-September 30, 2016)
DE-HS0000031 (March 11, 2011-February 11, 2016)
DTFH61-08-H-000035 (October 1, 2008-September 30, 2018),
DTFAWA-06-P-00007 (October 25, 2005-October 1, 2015),
DTFH61-06-H-00009 (March 24, 2006-March 15, 2013, and
DTFH61-08-H-00036 (September 1, 2008-August 31, 2013)
HHSP23337017T (September 15, 2010-July 14, 2013)

Criteria

2 CFR 170 states that prime recipients must report each action that obligates \$25,000 or more in federal funds (not including American Recovery and Reinvestment Act of 2009 funds) for a subaward in the Federal Funding Accountability and Transparency Act (FFATA) Subaward Reporting System (<http://www.fsrs.gov>) no later than the end of the month following the month in which the obligation was made.

2 CFR 25 states that for subawards made on or after October 1, 2010, a pass-through entity is responsible for determining whether an applicant for a non-ARRA subaward has provided a Dun and Bradstreet Data Universal Numbering System (DUNS) number as part of its subaward application or, if not, before award.

Condition and Perspective

During our testing, we noted that five out of the 25 awards reviewed for FFATA applicability met the criteria under FFATA. Four of these five awards were not included on NAS' listing of FFATA awards. As a result, monitoring of first-tier subawards was not performed to determine if there were any reportable subaward obligations of \$25,000 or more. One out of these five awards was included on NAS' listing of FFATA awards,

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Schedule of Findings and Questioned Costs

Year ended December 31, 2012

however relevant first-tier subawards of \$25,000 or more were not reported in the FFATA Subaward Reporting System (<http://www.fsrs.gov>).

During our testing, we also noted that for 16 out of 40 subrecipients, NAS did not obtain the DUNS number from the subrecipient although the subaward was signed after October 1, 2010.

Cause and Effect

Within NAS, the identification of FFATA awards requires a coordinated effort between NAS departments. Due to staff turnover, certain applicable awards were not included on NAS' listing of FFATA awards and relevant first-tier subawards of \$25,000 or more were not reported in the FFATA Subaward Reporting System.

For 15 of the 16 subrecipients where NAS did not obtain the DUNS number, the subrecipient was established in NAS' system prior to October 1, 2010, the date the requirement to obtain DUNS numbers for subrecipients became effective. Therefore the DUNS number was not collected at the time the subrecipient was established.

Questioned Costs

None.

Recommendation

We recommend that NAS enhance its procedures for identifying those awards that are subject to FFATA to ensure that a complete list of applicable awards is maintained and that all relevant subaward obligations of \$25,000 or more are reported timely in the FFATA Subaward Reporting System.

We also recommend that NAS implement procedures to verify that DUNS numbers have been obtained prior to issuing subawards, even if the subrecipient has already been established in NAS' system.

Views of Responsible Officials

NAS agrees with these recommendations. NAS will work on developing a complete report of FFATA applicable awards directly from the financial system so as not to rely on manual processes. Also, NAS will change procurement procedures to ensure that a DUNS number is obtained from each subrecipient prior to issuing a subaward.