

PROJECTED DEFENSE PURCHASES: DETAIL BY INDUSTRY AND STATE

Calendar Years 2011 Through 2017



December 2012

The estimated cost of report or study for
the Department of Defense is approximately
\$201,000 in Fiscal Years 2012 - 2013.
This includes \$195,000 in expenses and \$5,890 in DoD labor.
Generated on 2012Nov07 RefID: A-6CA8064

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FOREWORD

Projected Defense Purchases: Detail by Industry and State is issued by the Office of the Secretary of Defense (OSD). The estimates presented in the report are produced by the Economic and Manpower Analysis Division of OSD's Office of Cost Assessment and Program Evaluation (CAPE).

This report provides projections of direct and indirect defense-related purchases from 360 industries (defined by North American Industry Classification System) for calendar years 2011 through 2017. This report also presents direct and indirect defense spending in each of the 50 states and the District of Columbia, and estimates the employment generated by defense spending. An introduction gives a brief overview of the definitions, budgetary concepts, and expenditure categories used in developing the estimates and offers some guidelines for interpreting them. The tabular material is divided into three sections:

Section I: Summary Tables – Industry Expenditures and Employment,
Individual States and Entire United States

Section II: Industry Projections

Section III: State Projections

Descriptions of table formats accompany the projections.

Additional copies of this report may be obtained on CAPE's public access web-site home page, <http://www.economics.osd.mil>.

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**PROJECTED DEFENSE PURCHASES:
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Calendar Years 2011 Through 2017**

November 2012

Reader's Note

Since the 1996 edition of *Projected Defense Purchases: Detail by Industry and State*, the Defense Employment and Purchases Projection System (*DEPPS*) has consisted of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense industry demands of 360 industries, and by major appropriation and procurement category for the top ten industries.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements generated for various occupational classifications of employment in each industry. The occupational matrix used in *LDEPPS* comprises 101 occupational categories, chosen in a way that permits more detail to be provided on categories that are heavily employed either directly or indirectly by the Department of Defense.

Two input-output models feed *DEPPS*:

- *LIFT*, which stands for Long-term Interindustry Forecasting Tool, is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls.
- *ILIAD*, or the Interindustry Long-run Integrated and Dynamic model, uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.

The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *ILIAD* were developed by Inforum. *DEPPS*, *LIFT*, and *ILIAD* are maintained by Inforum.

The last and most critical element in developing the projections is the *Defense Translator*. The *Defense Translator* disaggregates the total defense budget by budget category into source industries.

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INTRODUCTION AND HIGHLIGHTS

This report provides estimates of industrial and regional patterns of defense expenditures for calendar years 2011 through 2017. It shows direct and indirect purchases of the 75 largest defense-related industries and provides projections of defense-related spending for each of the 50 states and the District of Columbia. Moreover, the report illustrates the occupational requirements of employment that is related directly and indirectly to defense expenditures.

All estimates are based on the FY 2013 President's budget submission in February 2012, and on the geographic distribution of the major components of defense spending in the recent past. This document is also available on the DEPPS website.¹ Supporting documentation, including a more complete description of the model and data used to generate the estimates, is posted to the website as well.

The figures reported here are *projections*. Purchases from particular industries will depend upon the size and composition of the defense budget eventually enacted. The location of purchases will be determined not only by the level of defense spending, but also by the location of industries and by competition among firms within industries, both for prime contracts and for subcontracts.² The projections therefore serve as reference points; they describe the future pattern of defense and defense-related expenditures, *assuming current spending plans and existing states' participation in the various components of defense activity*.

The computational framework for these projections is called the Defense Employment and Purchases Projection System (*DEPPS*). *DEPPS* consists of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense demands of 360 industries, by major appropriation and procurement category.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements for various occupational classifications of employment in each industry generated by defense expenditures.

Two interindustry (or input-output) models support *DEPPS*. The first model, called the Long-term Interindustry Forecasting Tool (*LIFT*), is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls. The second input-output model is called Interindustry Long-run Integrated and Dynamic model (*Iliad*). It uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.³

¹ Available at <http://www.economics.osd.mil/>

² Data available at <http://www.usaspending.gov/>. We use the most recent three years average of prime contract award data.

³ The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *Iliad* were developed by Inforum. *DEPPS*, *LIFT*, and *Iliad* are maintained by Inforum.

Definitions and Coverage

The estimates presented in this report consider both “direct” and “indirect” defense expenditures. Direct defense expenditures are those that the Department of Defense (DoD) itself makes. These include purchases of goods and services, as well as military and civilian pay.

Defense-related indirect expenditures, by contrast, represent purchases—generated throughout the economy—of items used to produce goods bought by DoD. That is, indirect (sometimes called intermediate) expenditures reflect the costs of materials, tools, and parts that prime contractors buy from suppliers in order to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

Direct and indirect expenditures are computed for 360 industries, though only the 75 most affected industries are reported in detail. A summary of all 360 industries sorted by industry number is presented in the appendix. All expenditure quantities are in constant (inflation-adjusted) 2013 dollars, by calendar year, for the 2011 through 2017 interval.

The employment estimates include DoD civilian employment as well as employment resulting from both direct and indirect DoD purchases of goods and services. Employment generated by induced purchases resulting from direct pay (i.e., by personal consumption expenditures) is *not* included in the estimates presented here.

Budget Concept Employed

The *DEPPS* projections are expressed in terms of outlays. Outlays represent disbursements of funds made during the course of a year. In contrast, budget authority is the amount of money that DoD is authorized to obligate in any given year. Budget authority differs from outlays in that contractual obligations (which must be within the limits set by budget authority) often call for payments to be spread over a period of years, as the work is completed. Budget authority for research, development, and procurement projects, in particular, tends to be disbursed over a period of several years. Therefore, during periods of budget growth, budget authority tends to exceed outlays in any given year.⁴

Coverage

The federal budget is divided into a number of sections called “functional categories,” each containing programs serving a common purpose. National security-related programs are grouped into Functional Category 050 (National Defense). This category includes the entire Defense Department’s military programs and the national security programs administered by other federal departments, such as the Department of Energy. It *excludes* nonmilitary programs managed by the Department of Defense (for example, highway bridge inspection projects conducted by the Army Corps of Engineers).

The *DEPPS* industry projections (*IDEPPS*) are based on a narrower budget grouping, Functional Category 051 (Department of Defense, Military). This subset of 050 funds *includes* all of the Defense Department’s military programs, but *excludes* the national security programs

⁴ One metaphor is that of a checking account: budget authority represents the amount of money placed in a given account. Outlays represent “checks” that draw on those funds, which may be written over a number of years.

administered by other agencies and DoD programs serving civil functions (principally public works projects of the U.S. Army Corps of Engineers).

The defense budget (defined here to include only those programs falling within Functional Category 051) is partitioned into five major accounts: military personnel; operations and maintenance (O&M); procurement; research, development, test, and evaluation (RDT&E); and military construction. The titles of these accounts are reasonably descriptive of the types of expenses they cover:

- The *Military Personnel* account includes the pay of active-duty service members and reservists, as well as some other personnel-related expenses such as permanent change-of-station (PCS) travel and purchases of military uniforms. Also included in this account is DoD's share of the government's annual payments into the Military Retirement Fund.
- The *Operations and Maintenance (O&M)* account funds the day-to-day operations of the defense establishment. Money from this account goes to purchase fuel and other consumable items and to pay all but a small share of DoD's civilian work force.
- The *Procurement* account funds purchases of weapon systems, equipment, and other military capital goods.
- The *Research Development Test & Evaluation (RDT&E)* account pays for the development and testing of new military systems and for other research activities and associated civilian pay.
- The *Military Construction* account funds construction of military facilities and of housing for military personnel and their dependents.

Defense purchases induced from direct pay

The state-level tables in Section III display the expenditures on goods and services by DoD's civilian employees, military members, and retirees. Estimates for these expenditures are included in the statewide tables because the concept has been of interest to planning agencies and others concerned with local economic development. Induced defense purchases resulting from direct pay are *not* included in the industry estimates reported in Section II.

Projection Highlights

IDEPPS: Defense Expenditures by Industry

The composition of projected defense purchases differs from the composition of non-defense purchases in the U.S. economy as Table 1 projects the differences between defense and nondefense final purchases in 2013. Manufacturing industries account for a much larger share of direct defense purchases than direct nondefense purchases. About one third of defense purchases—39 percent—are from manufacturing industries, whereas one quarter of nondefense purchases—24 percent—are from the manufacturing sector. Conversely, services account for about 54 percent of defense final purchases but about 66 percent of nondefense final purchases.

Table 2 presents information on the composition of estimated defense and nondefense indirect purchases—the sales of materials, supplies, and services used as intermediate inputs in the production process. Manufacturing accounts for about 30 percent of projected defense indirect purchases and about 26 percent of nondefense indirect purchases. The services sector makes up about 59 percent of defense indirect purchases and about 64 percent of nondefense indirect purchases. The construction, agriculture and mining sector accounts for about 12 percent of defense indirect purchases and about 10 percent of nondefense indirect purchases.

Table 7 contains information on the 75 non-food industries that receive the largest share of defense expenditures (direct plus indirect). While some of these industries are defense-specific (e.g., armaments, shipbuilding, tanks and tank components, aircraft, and guided missiles), a significant share of defense purchases are made directly or indirectly to industries not typically associated with defense activities (e.g., employment services, printing, hospitals, postal services, and credit cards, and finance companies).

LDEPPS: Defense-Related Employment

Defense-related civilian employment (including the civilian employees of the Department of Defense) represents about 2.65 percent of projected total U.S. civilian employment in 2013. The composition of defense-related civilian employment differs somewhat from that of nondefense employment. The differences reflect the higher manufacturing intensity of defense purchases, as well as specific employment patterns of the individual industries from which defense purchases are made.

Occupations primarily associated with manufacturing industries (e.g., installation, maintenance, repair, and production) account for 15 percent of defense-related employment compared to only 10 percent of nondefense-related employment (see Table 3). Engineers, scientists, and technicians account for 16 percent of defense-related employment, but only 13 percent of nondefense employment. At 34 percent compared to 28 percent, defense-related employment is also more concentrated in management and administrative jobs than nondefense-related employment. More detailed tabulations of defense-related employment (including a breakout of engineering and scientific personnel by specialty) are provided in Section I.

RDEPPS: Defense Expenditures by State

Table 4 presents estimates of direct, indirect, and total (direct plus indirect) per capita defense expenditures in 2013 for each of the fifty states and the District of Columbia grouped by the nine U.S. census divisions.

The geographic distribution of defense expenditures reflects the distribution of military

personnel and DoD civilian employees, as well as the location of the industries that make defense goods.

The dispersion *within* regions is larger than the dispersion across them. For example:

- Seven of the nine regions contain one or more states in which total projected defense expenditures (direct and indirect) exceed the national average.
- Every region contains at least one state in which total projected defense expenditures are less than 75 percent of the national average.
- Intraregional variation (the difference between the lowest and highest state estimate within a region) is greater than the variation among regional averages (the difference between the lowest and highest regional estimate) in five of the nine regions.

The *DEPPS* projections describe the pattern of defense and defense-related expenditures, assuming that the geographic distribution of the various components of defense activity remains stable relative to recent years. Should this assumption fail, the actual course of completion of defense contracts would produce a future geographic pattern that differs from historical distributions.

Differences between Industry (IDEPPS) and Regional (RDEPPS) Totals

The *RDEPPS* projections exclude DoD's share of the government's annual payments into the Military Retirement Fund, but includes disbursements of military retirement pay from the Military Retirement Fund (Functional Category 602 in the *Budget of the United States Government*). The regional total also excludes direct pay to military, civilian, and retired personnel stationed or living outside the U.S. For instance, in 2013 retirement disbursements will be about \$32.9 billion more than accruals. Payments abroad will be about \$20.1 billion. Therefore, the *RDEPPS* direct expenditure will exceed the *IDEPPS* total by about \$12.8 billion.

Comparisons with Previous Estimates

The internal structure of *DEPPS* is revised occasionally. Most internal model changes, however, reflect revisions in data sets rather than changes in a model's fundamental architecture.

Changes in the overall defense budget also influence cross-year comparisons. Each year's projections are made using the defense portion of the President's budget submission to Congress. The defense budget is developed each year through an involved process and can change significantly from year to year. Consequently, the projections also change. Finally, variability in the projections, and assumptions about the behavior of the economy as a whole and of specific sectors within the economy, also affect *DEPPS* outcomes. Many basic economic assumptions have been revised over the past year, in part due to the changing conditions in the U.S. economy.

Therefore, there are many reasons why estimates shift from year to year. Structural changes in the *DEPPS* model greatly complicate comparisons with other years' projections. The other possible sources of change—*DEPPS* data revisions, the defense budget, and broader economic assumptions—do not preclude comparisons, but isolating the effects of any single factor is a challenge. Ultimately, while comparisons between estimates are possible, they should be made taking the underlying reasons for the changes into account.

Starting in the 2006 *Projected Defense Purchases: Detail by Industry and State* report, industries in the *DEPPS* model are categorized by the North American Industry Classification System (NAICS), replacing the Standard Industrial Classification (SIC) to reflect better the industry makeup of the modern economy.

Starting in the 2010 *Projected Defense Purchases: Detail by Industry and State* report, industries in *IDEPPS* are categorized in the 2002 North American Industry Classification System (NAICS), and industry relationships in *IDEPPS* and *RDEPPS* are based on data deriving from the 2002 Benchmark input-output table, produced by BEA. *IDEPPS* still has 360 industries as before, but the industries have changed slightly. Of particular interest to the analysis of defense spending is the combination of Small arms (NAICS 332994) and Other ordnance and accessories (332995), so that separate detail for these industries is no longer available. Another area where industry detail has been lost is Other industrial machinery, which in the previous *IDEPPS* was divided into 6 separate industries, including Woodworking machinery (333210), Paper industry machinery (333291) and Food product machinery (333294). In certain other areas industry detail was increased, such as the previous sector Measuring devices and controls, which has been split into 3 new industries. Increased detail is also available in areas of manufacturing such as fabricated metals, pumps and compressors, and metalworking machinery. However, in general, we have tried to preserve as closely as possible the industrial detail available in the previous version of *IDEPPS*.

Other changes stemming from the update to the 2002 benchmark input-output table are due to updated and better measurement of changes in the distribution of output among industries, and in the structure of purchases and sales between industries. Of particular note is industry 315, Management of companies and enterprises (NAICS 55), which was newly introduced with the 1997 NAICS. This industry includes the sales of auxiliary establishments within large multiestablishment companies. These establishments provide central headquarters management and coordination, payroll and employee benefit services, advertising, warehousing and transportation, and other services. This industry's role has grown significantly, particularly as indirect sales to other industries important in the overall composition of defense goods and services.

Table 1
Composition of Defense and Nondefense DIRECT Purchases for 2013

	Direct Defense Purchases	Direct Nondefense Purchases
Manufacturing	38.5%	24.3%
Services	53.7%	66.1%
Construction, Agriculture and Mining	7.8%	9.6%

Table 2
Composition of Defense and Nondefense INDIRECT Purchases for 2013

	Indirect Defense Purchases	Indirect Nondefense Purchases
Manufacturing	29.7%	25.7%
Services	58.8%	63.9%
Construction, Agriculture and Mining	11.5%	10.4%

Table 3
Composition of Civilian Employment
(this version was done with the 2008-2018 occupational matrix)

	Defense-Related Employment	Nondefense-Related Employment
Installation, Maintenance, Repair and Production	15.3%	9.9%
Agricultural, Extraction, Construction and Transport	13.5%	11.8%
Engineers, Scientists and Technicians	15.6%	12.9%
Service and Sales Occupations	16.1%	29.9%
Management and Administrative	33.8%	28.1%
Other professional specialties	5.7%	7.4%

Table 4
Estimated Defense Expenditures Per Capita, 2013
 (By State and Region, in 2013 dollars)

State/Region	Population (Thousands)	Direct			Indirect from	
		Pay	Purchases	Total	Direct Purchases	Total
New England	14,932	311	2,592	2,903	1,181	4,084
Connecticut	3,614	198	3,691	3,889	1,366	5,255
Maine	1,377	756	3,057	3,813	634	4,447
Massachusetts	6,716	221	2,549	2,770	1,373	4,143
New Hampshire	1,428	296	1,594	1,890	829	2,719
Rhode Island	1,131	703	932	1,635	915	2,550
Vermont	665	287	1,055	1,343	565	1,908
Mid-Atlantic	41,341	264	978	1,243	1,038	2,280
New Jersey	9,163	305	1,268	1,573	1,188	2,761
New York	19,513	209	774	983	976	1,959
Pennsylvania	12,665	320	1,083	1,404	1,024	2,427
South Atlantic	62,304	1,127	1,925	3,052	1,171	4,223
Delaware	911	699	757	1,456	1,642	3,098
District of Columbia	516	7,304	11,928	19,232	6,874	26,106
Florida	20,394	565	992	1,558	679	2,236
Georgia	9,977	1,133	1,060	2,193	999	3,192
Maryland	6,087	1,226	2,623	3,849	1,484	5,334
North Carolina	9,741	1,021	567	1,588	857	2,445
South Carolina	4,566	850	1,150	2,000	930	2,930
Virginia	8,284	2,559	6,617	9,176	2,556	11,732
West Virginia	1,827	264	405	669	709	1,378
East North Central	47,477	246	734	980	986	1,966
Illinois	13,029	247	767	1,014	1,029	2,044
Indiana	6,469	269	970	1,239	1,136	2,375
Michigan	10,538	163	460	623	717	1,340
Ohio	11,617	363	786	1,148	1,062	2,211
Wisconsin	5,824	138	788	927	1,057	1,984
West North Central	20,650	479	1,149	1,628	956	2,584
Iowa	3,022	164	764	928	837	1,765
Kansas	2,835	1,139	1,059	2,198	1,031	3,229
Minnesota	5,570	137	632	769	957	1,726
Missouri	6,012	468	1,932	2,400	1,048	3,449
Nebraska	1,781	745	1,075	1,820	912	2,732
North Dakota	636	1,173	958	2,130	779	2,910
South Dakota	793	660	943	1,604	688	2,292

Table 4 (Continued)
Estimated Defense Expenditures Per Capita, 2013
 (By State and Region, in 2013 dollars)

State/Region	Population (Thousands)	Direct			Indirect from Direct	
		Pay	Purchases	Total	Purchases	Total
East South Central	18,347	767	1,743	2,510	1,129	3,639
Alabama	4,637	1,084	2,749	3,832	1,661	5,493
Kentucky	4,318	1,106	1,975	3,081	1,201	4,281
Mississippi	2,999	721	1,848	2,569	840	3,409
Tennessee	6,393	330	809	1,139	829	1,968
West South Central	37,014	749	1,589	2,339	1,494	3,833
Arkansas	2,932	497	678	1,175	775	1,949
Louisiana	4,651	546	1,756	2,302	1,961	4,264
Oklahoma	3,633	1,205	1,235	2,440	1,203	3,643
Texas	25,797	750	1,713	2,463	1,533	3,996
Mountain	22,831	746	1,465	2,211	994	3,205
Arizona	7,140	530	2,054	2,584	838	3,422
Colorado	4,961	1,078	1,678	2,756	1,303	4,059
Idaho	1,585	504	346	850	508	1,358
Montana	988	596	570	1,166	641	1,807
Nevada	2,907	596	1,209	1,805	806	2,611
New Mexico	2,019	1,024	1,099	2,122	1,319	3,441
Utah	2,706	832	1,146	1,978	978	2,956
Wyoming	525	876	987	1,863	2,193	4,055
Pacific	52,076	677	1,440	2,117	1,017	3,134
Alaska	717	3,925	4,003	7,929	4,372	12,301
California	39,290	427	1,474	1,901	987	2,888
Hawaii	1,370	4,669	2,694	7,363	1,338	8,701
Oregon	3,921	245	480	725	788	1,513
Washington	6,778	1,227	1,272	2,500	905	3,405
United States	316,971	636	1,441	2,077	1,118	3,195

Source: RDEPPS Calculations

Table 5
Sources of Projected Direct Defense Purchases
Department of Defense
Rounded to Millions of 2013 dollars

	2011	2012	2013	2014	2015	2016	2017
Military Personnel	165,341	158,166	152,009	140,428	140,163	140,495	140,733
Operations & Maintenance	300,219	297,134	278,800	227,339	209,646	208,881	209,015
Aircraft	40,853	42,519	37,101	33,517	32,809	31,742	33,614
Missiles	10,412	11,771	9,334	9,471	9,498	10,435	11,736
Weapons and Tracked Vehicles	12,870	9,944	4,312	2,946	1,992	1,814	1,972
Ships and Conversions	18,279	23,556	25,703	16,928	18,258	20,269	16,990
Ammunition	4,944	5,279	4,814	3,999	3,635	3,651	3,917
Other	48,359	45,401	38,633	36,936	35,016	34,542	36,495
Total Procurement	135,717	138,471	119,897	103,797	101,208	102,454	104,725
Research, Development, Test, Evaluation	77,245	75,728	71,235	68,901	66,427	63,934	62,131
Military Construction	20,043	18,616	17,897	12,670	10,305	9,616	9,382
Family Housing and Homeowners Asst Prog	3,103	2,052	2,010	1,876	1,533	1,453	1,449
Defense-Wide Contingencies	1	0	0	0	0	0	0
Revolving and Management Funds	1,676	3,670	5,189	1,602	992	1,177	961
Trust & Receipts	-1,818	-1,176	-1,366	-1,282	-1,296	-1,299	-1,297
Deductions, Intragovernment Receipts	-100	-123	-119	-114	-107	-101	-95
Total Direct Defense Purchases	701,428	692,538	645,552	555,218	528,870	526,610	527,004

Source: IDEPPS calculations

Note: Numbers may not add due to rounding.

Table 6
Sources of Projected Indirect Defense Purchases
Department of Defense
Rounded to Millions of 2013 dollars

	2011	2012	2013	2014	2015	2016	2017
Military Personnel	34,202	31,777	32,665	30,772	30,659	30,822	30,912
Operations & Maintenance *	209,782	201,999	181,446	140,243	124,901	124,253	124,229
Aircraft	38,746	40,569	35,625	32,325	31,602	30,427	31,962
Missiles	10,160	11,507	9,158	9,253	9,240	10,123	11,331
Weapons and Tracked Vehicles	15,883	12,019	5,300	3,565	2,366	2,147	2,322
Ships and Conversions	18,058	23,519	26,051	16,520	17,882	19,965	16,579
Ammunition	4,207	4,505	4,137	3,447	3,133	3,133	3,348
Other	46,523	43,375	37,010	35,456	33,613	33,070	34,910
Total Procurement	133,575	135,495	117,282	100,564	97,838	98,866	100,452
Research, Development, Test, Evaluation	58,596	57,459	53,709	50,224	47,296	45,211	43,651
Military Construction	15,235	14,345	13,821	9,638	7,666	6,910	6,709
Family Housing	2,024	1,386	1,374	1,271	1,035	970	965
Total Indirect Defense Purchases	453,415	442,460	400,295	332,713	309,395	307,031	306,918

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Source: IDEPPS calculations

Note: Numbers may not add due to rounding.

SECTION I: SUMMARY TABLES – Industry Expenditures and Employment, Individual States and Entire United States

The summary tables provide an overview of estimated defense expenditures and employment. Table 7 presents estimates of total defense purchases from the 75 leading industries in defense production for 2011 through 2017. The estimates shown include both direct and indirect purchases.

Table 8 shows projected defense employment and defense-related employment during 2011–2017, including military personnel, DoD civilians, private-sector employees associated with direct DoD spending, and private sector employees indirectly associated with the DoD. Table 9 presents estimates of defense-related employment by major occupational category while Table 10 provides more detailed estimates of defense-related employment within three occupations: (1) computer and mathematical science occupations; (2) architectural and engineering occupations; (3) and life, physical, and social science occupations.

The remaining five tables present state-level information:

- Tables 11 through 13 present estimates of direct defense expenditures, first in the aggregate and then by selected budget accounts. Table 11 shows outlays (for purchases and pay) projected to be made in each state during each year of the forecast period (the estimates assume state shares of the underlying components of pay and purchases remain at recent levels). Table 12 shows combined outlays from the Procurement and RDT&E accounts, while Table 13 displays combined outlays resulting from the remaining accounts.
- Table 14 shows indirect expenditures arising from purchases made by the DoD. As explained in the introduction, indirect (or intermediate) purchases are those that are made across the supply chain for final goods. For example, expenditures on aircraft stimulate indirect purchases of electronic components, aircraft parts, tires, aluminum, etc.
- Table 15 shows the induced expenditures derived from the wages and salaries of DoD personnel and from military retirement pay. More specifically, induced expenditures are the household purchases from defense personnel that occur in each state. Obviously, states with large and numerous military installations tend to have large induced expenditures. Less obviously, states that produce consumer goods sold in a national market (such as automobiles and appliances) will also have significant induced expenditures.

Table 7
Projected (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2013

(Millions of 2013 dollars)

Ind #	Supplying Industry	2011	2012	2013	2014	2015	2016	2017
303	Architectural, engineering, and related services	56,237	57,805	50,872	43,500	40,374	39,664	39,419
310	Scientific research and development services	48,292	47,605	43,796	39,857	37,536	36,628	36,241
94	Petroleum refineries	44,017	41,009	38,127	32,061	29,519	29,401	29,496
16	Crude oil extraction	39,006	36,480	33,821	28,347	26,094	25,975	26,048
235	Aircraft	31,782	31,975	27,968	24,603	23,919	23,413	24,858
285	Telecommunications	29,026	27,501	24,575	20,154	18,525	18,380	18,447
315	Management of companies and enterprises	27,099	26,734	23,985	20,360	19,082	18,920	19,025
241	Ship building and repairing	15,269	19,922	22,444	13,424	14,451	16,427	13,529
265	Wholesale trade	23,228	23,298	21,710	17,233	15,919	15,900	15,873
32	New non-residential building construction	26,023	23,888	21,473	15,978	13,484	12,924	12,802
294	Real estate	23,542	22,263	20,125	16,887	15,509	15,373	15,389
203	Search, detection, and navigation instruments	20,908	20,477	18,223	16,995	16,371	16,296	16,991
267	Air transportation	19,245	18,215	16,957	14,642	13,789	13,759	13,823
308	Management, scientific, and technical consulting services	15,764	15,421	13,507	10,377	9,275	9,194	9,111
237	Other aircraft parts and auxiliary equipment	14,349	14,895	13,253	11,540	11,034	10,473	10,262
35	Maintenance and repair of nonresidential buildings, infrastructure and other	15,156	13,852	12,454	10,112	9,096	8,982	8,978
270	Truck transportation	14,791	13,810	12,453	10,145	9,264	9,145	9,140
312	All other miscellaneous professional, scientific, and technical services	13,342	12,963	11,508	9,507	8,567	8,369	8,322
28	Electric power generation, transmission, and distribution	13,602	12,989	11,497	9,216	8,383	8,285	8,276
238	Guided missiles and space vehicles	12,731	13,299	11,418	11,368	10,950	11,197	11,911
307	Other computer related services, including facilities management	11,817	11,570	10,673	9,020	8,401	8,382	8,412
236	Aircraft engines and engine parts	10,651	11,222	10,043	9,044	8,746	8,450	8,467
311	Advertising and related services	10,866	10,633	9,517	7,865	7,307	7,250	7,324
340	Food services and drinking places	10,612	10,314	9,252	7,581	6,982	6,922	6,905
291	Insurance carriers	10,015	9,564	9,003	7,832	7,449	7,417	7,422
197	Broadcast and wireless communications equipment	9,857	9,972	8,421	7,555	7,218	7,064	7,207
288	Monetary authorities and depository credit intermediation	9,320	9,139	8,270	6,878	6,398	6,344	6,346
322	Employment services	8,990	8,836	7,941	6,620	6,123	6,067	6,066
273	Scenic and sightseeing transportation and support activities for transportation	8,679	8,363	7,616	6,416	5,969	5,909	5,938
290	Securities, commodity contracts, investments, and related activities	8,281	8,185	7,510	6,168	5,778	5,771	5,715
339	Hotels and other accommodations	8,113	7,761	6,990	5,800	5,382	5,341	5,349
275	Warehousing and storage	7,880	7,346	6,640	5,384	4,913	4,865	4,869
269	Water transportation	7,565	7,191	6,617	5,564	5,150	5,115	5,123
201	All other electronic components	7,022	7,022	6,377	5,740	5,400	5,278	5,302
135	Primary ferrous metal products	7,248	7,143	6,321	4,850	4,483	4,470	4,371
317	Facilities support services	7,989	7,465	6,245	4,348	3,644	3,559	3,548
33	Highway, street, bridge, tunnel, water, sewer, pipeline and other construction	6,620	6,772	5,906	3,705	2,836	2,536	2,441
301	Legal services	6,630	6,517	5,901	4,954	4,617	4,577	4,578

Source: IDEPPS calculations

Table 7 (Continued)
Projected (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2013

(Millions of 2013 dollars)

Ind #	Supplying Industry	2011	2012	2013	2014	2015	2016	2017
324	Waste management and remediation services	7,367	6,971	5,876	4,068	3,376	3,298	3,286
300	Lessors of nonfinancial intangible assets	6,322	6,254	5,771	4,792	4,506	4,518	4,495
268	Rail transportation	6,615	6,123	5,507	4,472	4,073	4,022	4,021
328	Offices of physicians, dentists, and other health practitioners	5,879	5,491	5,388	4,757	4,490	4,530	4,556
320	Services to buildings and dwellings	5,965	5,768	5,190	4,241	3,896	3,852	3,840
296	Automotive equipment rental and leasing	5,515	5,322	4,811	4,002	3,716	3,686	3,682
266	Retail trade	5,115	4,880	4,731	4,118	3,862	3,872	3,891
331	Hospitals	4,672	4,450	4,633	4,419	4,293	4,355	4,384
351	Postal service	5,339	5,055	4,502	3,715	3,417	3,382	3,385
306	Computer systems design services	5,159	4,934	4,420	3,564	3,234	3,184	3,185
92	Printing	4,789	4,692	4,127	3,595	3,376	3,364	3,393
302	Accounting, tax preparation, bookkeeping, and payroll services	4,570	4,477	4,057	3,360	3,115	3,093	3,084
152	Ammunition	4,391	4,403	3,977	3,350	3,013	2,956	3,146
305	Custom computer programming services	4,710	4,535	3,973	3,153	2,801	2,744	2,765
286	Data processing, hosting and internet service providers	4,269	4,218	3,818	3,137	2,915	2,901	2,884
75	Apparel accessories and other apparel	3,726	3,475	3,521	3,035	2,914	2,911	2,898
29	Natural gas distribution	3,868	3,699	3,345	2,764	2,550	2,522	2,519
74	Cut and sew apparel	3,264	3,140	3,211	2,834	2,757	2,766	2,758
200	Semiconductors and electron tubes	3,553	3,563	3,137	2,718	2,559	2,522	2,554
280	Software publishers	3,658	3,610	3,122	2,642	2,475	2,497	2,648
292	Insurance agencies, brokerages, and related activities	3,406	3,257	3,067	2,666	2,531	2,521	2,522
299	Commercial and industrial machinery and equipment rental and leasing	3,452	3,345	3,033	2,485	2,283	2,260	2,267
289	Nondepository credit intermediation and related activities	3,393	3,296	2,997	2,467	2,288	2,276	2,265
327	Other educational services	3,591	3,427	2,987	2,283	2,017	1,987	2,001
318	Business support services	3,334	3,308	2,974	2,448	2,271	2,263	2,258
234	Motor vehicle parts	3,998	3,655	2,947	2,255	1,965	1,937	1,947
119	Other plastics products	3,259	3,224	2,910	2,394	2,237	2,213	2,211
274	Couriers and messengers	3,307	3,180	2,895	2,391	2,205	2,186	2,188
321	Other support services	3,281	3,197	2,888	2,380	2,202	2,193	2,199
329	Medical and diagnostic labs and outpatient and other ambulatory care services	3,037	2,850	2,885	2,654	2,542	2,572	2,589
147	Plate work and fabricated structural products	3,139	3,105	2,810	2,173	1,968	1,939	1,904
326	Junior colleges, colleges, universities, and professional schools	3,191	3,085	2,770	2,290	2,069	2,010	1,956
309	Environmental and other technical consulting services	3,240	3,128	2,750	2,136	1,920	1,893	1,884
316	Office administrative services	3,012	2,934	2,637	2,148	1,971	1,954	1,948
239	Propulsion units and parts for space vehicles and guided missiles	3,033	3,046	2,618	2,530	2,401	2,431	2,559
244	Military armored vehicles, tanks, and tank components	6,705	5,012	2,613	1,837	1,392	1,472	1,857
343	Commercial and industrial machinery and equipment repair and maintenance	2,920	2,855	2,594	2,165	1,990	1,963	1,964

Source: IDEPPS calculations

Table 8
Projected Defense and Defense-Related Employment
(Thousands of Workers)

Employment Category	2011	2012	2013	2014	2015	2016	2017
DoD Active Duty Military Personnel	1,501	1,500	1,478	1,475	1,472	1,469	1,466
DoD Direct Civilian Hires	777	775	773	770	768	766	763
Direct Private Sector Employment	2,990	2,883	2,628	2,261	2,111	2,083	2,065
Indirect Private Sector Employment	793	740	573	328	236	218	210
Total Defense-Related Employment	4,560	4,398	3,974	3,359	3,115	3,067	3,039
Total Defense-Related Employment Plus Military	6,061	5,898	5,452	4,834	4,587	4,536	4,505

Source: FY2013 DEPPS and FY2013 Green Book

Notes:

Defense-related employment includes jobs associated with spending on Overseas Contingency Operations (OCO) in 2010 and 2011

DoD Active Duty Military personnel include Active Duty Army, Navy, Air Force, and Marines as well as full-time Guard and Reservists

DoD Direct Civilian Hires exclude foreign national direct hires

Direct Private Sector Employment is an estimate of private sector jobs created by direct defense expenditures

Indirect Private Sector Employment is an estimate of private sector jobs created by indirect defense expenditures

Table 9
Projected Defense and Defense-Related Employment by Occupational Category
(Thousands of Workers)
Fiscal Year 2013 LDEPPS, with 2008-2018 Occupational Projections matrices

Occupational Category	2011	2012	2013	2014	2015	2016	2017
Management, financial, and business operations	725	707	648	569	536	528	523
Computer and mathematical science occupations	158	153	135	113	103	101	99
Architectural and engineering occupations	305	300	272	240	226	222	219
Life, physical and social science occupations	91	89	82	73	69	68	67
Healthcare practioners and technical occupations	139	135	130	118	112	112	111
Other professional specialties	259	251	228	197	183	180	178
Service occupations	503	484	434	359	330	326	324
Sales and related occupations	236	227	204	167	152	149	147
Office and adminstrative support occupations	797	770	697	591	548	539	534
Farming, fishing, and forestry occupations	11	10	9	8	7	7	6
Construction and extraction occupations	243	231	209	165	149	151	153
Installation, maintenance, and repair occupations	239	232	213	186	176	174	173
Production occupations	478	455	395	316	287	280	275
Transportation and material moving occupations	376	355	318	259	236	232	230
Total All Categories	4,560	4,398	3,974	3,359	3,115	3,067	3,039

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

Table 10
Defense Related Employment of Engineers and Scientists
(Thousands of Workers)

	2011	2012	2013	2014	2015	2016	2017
Computer and mathematical science occupations							
Computer specialists	149.3	144.0	126.9	104.9	95.8	93.1	91.5
Mathematical science occupations	9.1	8.9	8.4	7.8	7.5	7.4	7.4
Total	158.4	152.9	135.3	112.7	103.4	100.6	98.9
Architectural and engineering occupations							
Architects, surveyors, and cartographers	25.1	24.8	22.1	18.9	17.4	17.0	16.7
Aerospace engineers	6.4	6.3	6.1	5.7	5.6	5.5	5.5
Chemical engineers	2.5	2.5	2.3	2.0	1.9	1.9	1.9
Civil engineers	27.7	27.4	25.1	22.4	21.2	20.8	20.7
Electrical and electronics engineers	45.6	44.6	41.1	37.6	36.0	35.4	35.1
Industrial engineers, incl health and safety	24.9	24.3	21.4	18.2	16.9	16.5	16.2
Mechanical engineers	31.9	31.4	28.3	24.8	23.4	23.0	22.7
Materials engineers	3.3	3.3	2.9	2.5	2.3	2.3	2.2
All other engineers	46.4	45.7	41.7	37.3	35.4	34.8	34.4
Drafters, engineering, and mapping technicians	91.6	89.9	80.7	70.4	66.0	64.6	63.8
Total	305.5	300.2	271.6	239.7	226.1	221.8	219.1
Life, physical and social science occupations							
Life scientists	15.9	15.7	14.4	12.9	12.2	12.0	11.9
Chemists and materials scientists	6.3	6.2	5.6	5.0	4.7	4.6	4.5
Environmental scientists and geoscientists	8.1	8.0	7.1	6.1	5.6	5.5	5.4
Astronomers, physicists, atmospheric & space scientists	3.8	3.7	3.5	3.3	3.2	3.2	3.2
All other physical scientists	3.6	3.6	3.4	3.2	3.1	3.1	3.1
Social scientists and related occupations	34.5	33.9	31.2	27.9	26.4	25.9	25.7
Life, physical, and social science technicians	18.6	18.3	16.5	14.5	13.6	13.3	13.1
Total	90.7	89.3	81.8	72.9	68.8	67.6	66.9
Total Computer, Engineers, and Scientists	554.6	542.4	488.7	425.2	398.3	390.0	384.9

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

Table 11
Projections of Total Direct Expenditures by State
(Millions of 2013 dollars)

State	2011	2012	2013	2014	2015	2016	2017
Alabama	18,660	18,712	17,768	15,343	14,594	14,500	14,316
Alaska	6,256	6,019	5,682	4,902	4,692	4,678	4,682
Arizona	20,271	20,027	18,450	16,298	15,519	15,415	15,608
Arkansas	3,674	3,587	3,443	3,036	2,911	2,913	2,940
California	80,363	79,600	74,697	65,595	62,708	62,328	62,362
Colorado	14,873	14,623	13,673	12,244	11,775	11,687	11,747
Connecticut	13,488	14,522	14,054	11,261	11,145	11,444	10,999
Delaware	1,429	1,384	1,326	1,169	1,127	1,126	1,128
District of Columbia	10,534	10,553	9,924	8,445	8,012	7,980	7,992
Florida	34,600	34,037	31,766	27,823	26,611	26,555	26,785
Georgia	23,377	23,136	21,880	19,418	18,822	18,787	18,958
Hawaii	10,619	10,462	10,091	8,874	8,640	8,653	8,640
Idaho	1,440	1,400	1,347	1,202	1,166	1,167	1,170
Illinois	14,911	14,288	13,216	11,422	10,737	10,662	10,744
Indiana	9,524	9,034	8,018	6,876	6,418	6,381	6,468
Iowa	3,169	3,083	2,804	2,476	2,348	2,328	2,368
Kansas	6,768	6,643	6,231	5,556	5,391	5,372	5,428
Kentucky	14,593	13,988	13,303	11,653	11,141	11,161	11,216
Louisiana	11,991	11,392	10,709	9,060	8,485	8,445	8,447
Maine	4,399	4,941	5,252	3,917	3,986	4,229	3,878
Maryland	24,655	24,803	23,432	20,206	19,271	19,200	19,172
Massachusetts	20,702	20,501	18,601	16,686	15,765	15,458	15,571
Michigan	8,095	7,501	6,570	5,616	5,254	5,256	5,373
Minnesota	4,733	4,577	4,283	3,674	3,455	3,441	3,467
Mississippi	7,234	7,734	7,704	6,041	5,992	6,222	5,913
Missouri	15,945	15,754	14,432	12,954	12,381	12,252	12,452
Montana	1,276	1,225	1,152	1,013	972	983	1,032
Nebraska	3,471	3,398	3,242	2,792	2,661	2,659	2,664
Nevada	5,765	5,586	5,248	4,542	4,325	4,321	4,352
New Hampshire	2,969	2,935	2,700	2,376	2,259	2,249	2,289
New Jersey	15,751	15,768	14,414	12,625	11,968	11,897	11,997
New Mexico	4,520	4,482	4,285	3,783	3,638	3,620	3,619
New York	21,211	20,730	19,176	16,764	15,969	15,839	15,871
North Carolina	16,579	16,200	15,470	13,715	13,321	13,321	13,356
North Dakota	1,477	1,427	1,355	1,181	1,134	1,131	1,133
Ohio	14,048	13,951	13,338	11,771	11,246	11,177	11,206
Oklahoma	9,273	9,195	8,865	7,792	7,511	7,506	7,544
Oregon	3,226	3,097	2,842	2,424	2,286	2,283	2,290
Pennsylvania	19,310	19,112	17,776	15,026	14,222	14,219	14,245
Rhode Island	1,894	1,920	1,850	1,620	1,557	1,552	1,561
South Carolina	10,073	9,834	9,132	7,871	7,506	7,515	7,568
South Dakota	1,339	1,303	1,272	1,141	1,104	1,108	1,115
Tennessee	7,937	7,692	7,281	6,418	6,096	6,068	6,077
Texas	70,547	68,878	63,540	56,284	53,844	53,464	54,114
Utah	5,491	5,598	5,352	4,758	4,589	4,568	4,598
Vermont	993	971	893	794	753	745	764
Virginia	79,725	80,215	76,013	64,207	61,303	61,495	61,007
Washington	17,801	17,687	16,944	15,124	14,713	14,703	14,772
West Virginia	1,316	1,287	1,222	1,063	1,012	1,008	1,011
Wisconsin	8,479	7,218	5,396	4,244	3,662	3,646	3,787
Wyoming	1,084	1,039	979	849	810	808	810
U.S. Total	711,858	703,051	658,393	571,922	546,805	545,524	546,603

Source: RDEPPS Calculations

Table 12
Projections of Total Direct Procurement & RDT&E Expenditures, by State
(Millions of 2013 dollars)

State	2011	2012	2013	2014	2015	2016	2017
Alabama	6,746	6,849	6,452	5,812	5,595	5,502	5,304
Alaska	226	216	192	193	192	187	189
Arizona	8,255	8,313	7,230	6,748	6,479	6,348	6,519
Arkansas	596	571	509	465	441	436	456
California	32,265	32,603	29,643	27,130	26,270	25,873	25,838
Colorado	4,494	4,516	4,044	3,847	3,702	3,607	3,646
Connecticut	10,562	11,661	11,302	8,952	8,975	9,276	8,828
Delaware	78	74	67	67	65	63	63
District of Columbia	1,753	1,747	1,591	1,513	1,478	1,456	1,468
Florida	7,868	7,849	6,907	6,466	6,274	6,200	6,373
Georgia	3,975	4,063	3,530	3,397	3,364	3,319	3,463
Hawaii	508	539	543	498	527	539	515
Idaho	56	53	49	49	49	48	47
Illinois	3,896	3,556	2,933	2,730	2,562	2,509	2,585
Indiana	3,321	2,950	2,183	1,941	1,775	1,738	1,817
Iowa	1,356	1,336	1,162	1,100	1,060	1,044	1,082
Kansas	1,449	1,462	1,272	1,196	1,168	1,147	1,195
Kentucky	668	652	561	533	517	511	534
Louisiana	1,296	1,185	1,008	866	825	831	828
Maine	2,120	2,678	2,957	1,863	1,994	2,229	1,875
Maryland	6,753	6,904	6,283	5,808	5,681	5,625	5,588
Massachusetts	13,939	13,869	12,407	11,677	11,153	10,860	10,973
Michigan	2,740	2,254	1,470	1,263	1,128	1,134	1,249
Minnesota	1,066	1,032	903	825	784	772	794
Mississippi	2,752	3,313	3,440	2,363	2,471	2,698	2,382
Missouri	8,685	8,649	7,632	7,161	6,883	6,752	6,943
Montana	138	114	87	86	84	97	144
Nebraska	281	267	239	235	227	221	222
Nevada	584	591	514	485	472	464	484
New Hampshire	1,503	1,484	1,327	1,266	1,228	1,217	1,256
New Jersey	5,994	6,162	5,294	5,092	4,948	4,900	5,001
New Mexico	863	852	780	757	733	712	706
New York	8,211	8,222	7,368	6,768	6,547	6,446	6,471
North Carolina	770	753	665	670	671	658	666
North Dakota	52	49	44	45	45	44	45
Ohio	3,958	3,893	3,498	3,361	3,251	3,175	3,196
Oklahoma	952	960	851	856	867	855	883
Oregon	726	655	511	435	405	404	407
Pennsylvania	6,556	6,447	5,668	4,958	4,808	4,819	4,839
Rhode Island	346	342	309	309	308	304	313
South Carolina	1,206	1,111	881	794	762	761	797
South Dakota	94	92	80	77	76	75	78
Tennessee	1,418	1,359	1,235	1,166	1,101	1,069	1,062
Texas	23,637	23,618	20,500	19,166	18,539	18,159	18,727
Utah	1,520	1,564	1,344	1,316	1,298	1,284	1,314
Vermont	525	516	456	417	395	389	407
Virginia	17,293	18,409	17,357	14,941	14,847	15,069	14,539
Washington	3,966	4,059	3,671	3,381	3,339	3,305	3,349
West Virginia	174	167	149	143	137	134	135
Wisconsin	4,710	3,561	1,984	1,459	1,087	1,076	1,215
Wyoming	63	58	51	49	48	46	47
U.S. Total	212,962	214,199	191,132	172,699	167,635	166,388	166,856

Source: RDEPPS Calculations

Table 13
Projections of Total Direct Expenditures, Excluding Procurement and RDT&E, by State
(Millions of 2013 dollars)

State	2011	2012	2013	2014	2015	2016	2017
Alabama	11,914	11,864	11,316	9,530	8,999	8,998	9,012
Alaska	6,030	5,803	5,491	4,709	4,500	4,491	4,494
Arizona	12,016	11,714	11,220	9,550	9,040	9,067	9,089
Arkansas	3,078	3,015	2,934	2,571	2,470	2,477	2,484
California	48,098	46,997	45,054	38,465	36,438	36,455	36,524
Colorado	10,378	10,106	9,628	8,397	8,073	8,080	8,100
Connecticut	2,926	2,862	2,752	2,309	2,169	2,169	2,170
Delaware	1,351	1,310	1,259	1,102	1,061	1,062	1,065
District of Columbia	8,780	8,806	8,333	6,931	6,533	6,524	6,524
Florida	26,732	26,189	24,859	21,357	20,337	20,355	20,412
Georgia	19,401	19,073	18,351	16,020	15,459	15,468	15,495
Hawaii	10,111	9,923	9,548	8,376	8,112	8,114	8,124
Idaho	1,384	1,346	1,298	1,152	1,117	1,119	1,123
Illinois	11,015	10,732	10,283	8,692	8,175	8,153	8,160
Indiana	6,203	6,084	5,835	4,934	4,642	4,643	4,651
Iowa	1,813	1,747	1,642	1,376	1,289	1,284	1,286
Kansas	5,318	5,181	4,959	4,360	4,223	4,225	4,233
Kentucky	13,925	13,337	12,742	11,119	10,624	10,651	10,682
Louisiana	10,695	10,207	9,701	8,194	7,660	7,614	7,619
Maine	2,279	2,263	2,295	2,053	1,992	2,000	2,003
Maryland	17,902	17,898	17,149	14,397	13,590	13,575	13,583
Massachusetts	6,763	6,632	6,194	5,009	4,613	4,598	4,598
Michigan	5,354	5,247	5,101	4,353	4,126	4,121	4,124
Minnesota	3,667	3,545	3,380	2,849	2,672	2,669	2,673
Mississippi	4,482	4,422	4,264	3,678	3,521	3,524	3,531
Missouri	7,260	7,105	6,799	5,792	5,499	5,501	5,509
Montana	1,139	1,111	1,066	926	888	886	888
Nebraska	3,190	3,130	3,003	2,557	2,434	2,438	2,442
Nevada	5,181	4,995	4,734	4,058	3,853	3,858	3,868
New Hampshire	1,466	1,451	1,372	1,110	1,031	1,032	1,033
New Jersey	9,756	9,607	9,120	7,533	7,020	6,997	6,996
New Mexico	3,657	3,630	3,505	3,026	2,905	2,908	2,913
New York	13,000	12,508	11,808	9,996	9,421	9,393	9,400
North Carolina	15,810	15,447	14,805	13,046	12,650	12,663	12,690
North Dakota	1,425	1,377	1,311	1,136	1,088	1,087	1,088
Ohio	10,090	10,059	9,841	8,410	7,994	8,002	8,010
Oklahoma	8,320	8,235	8,014	6,936	6,644	6,651	6,662
Oregon	2,500	2,442	2,332	1,989	1,880	1,879	1,883
Pennsylvania	12,755	12,665	12,108	10,068	9,413	9,399	9,406
Rhode Island	1,548	1,579	1,540	1,312	1,248	1,248	1,248
South Carolina	8,867	8,723	8,251	7,077	6,744	6,754	6,772
South Dakota	1,245	1,211	1,192	1,064	1,028	1,034	1,037
Tennessee	6,520	6,333	6,045	5,253	4,995	4,999	5,015
Texas	46,910	45,260	43,040	37,118	35,305	35,305	35,387
Utah	3,972	4,034	4,008	3,442	3,291	3,283	3,284
Vermont	469	455	437	377	357	356	357
Virginia	62,431	61,806	58,657	49,266	46,457	46,426	46,468
Washington	13,835	13,627	13,274	11,743	11,374	11,398	11,423
West Virginia	1,142	1,120	1,073	920	875	874	876
Wisconsin	3,769	3,656	3,412	2,785	2,575	2,569	2,572
Wyoming	1,021	982	928	800	762	762	763
U.S. Total	498,896	488,852	467,261	399,224	379,170	379,136	379,747

Source: RDEPPS Calculations

Table 14
Projections of Indirect Defense Purchases Resulting from Direct Purchases, by State
(Millions of 2013 dollars)

State	2011	2012	2013	2014	2015	2016	2017
Alabama	8,586	8,420	7,700	6,575	6,142	6,037	5,977
Alaska	3,511	3,395	3,134	2,632	2,450	2,445	2,461
Arizona	6,725	6,636	5,980	5,017	4,686	4,640	4,644
Arkansas	2,579	2,513	2,272	1,872	1,735	1,712	1,705
California	43,648	42,661	38,777	32,505	30,279	29,958	29,918
Colorado	7,256	7,093	6,465	5,454	5,091	5,044	5,044
Connecticut	5,517	5,434	4,938	4,198	3,940	3,899	3,897
Delaware	1,683	1,643	1,496	1,250	1,165	1,156	1,155
District of Columbia	4,019	3,950	3,547	2,852	2,624	2,613	2,615
Florida	15,629	15,315	13,838	11,507	10,697	10,605	10,617
Georgia	11,224	10,990	9,964	8,275	7,696	7,625	7,626
Hawaii	2,075	2,029	1,834	1,509	1,397	1,387	1,387
Idaho	906	887	806	676	630	622	621
Illinois	15,157	14,819	13,409	11,073	10,291	10,187	10,155
Indiana	8,440	8,214	7,350	6,011	5,562	5,484	5,459
Iowa	2,841	2,777	2,530	2,093	1,949	1,928	1,918
Kansas	3,267	3,215	2,921	2,477	2,319	2,298	2,310
Kentucky	5,925	5,775	5,186	4,254	3,930	3,887	3,880
Louisiana	10,284	9,917	9,123	7,666	7,124	7,083	7,117
Maine	981	963	874	736	687	680	681
Maryland	10,177	10,001	9,036	7,455	6,919	6,868	6,856
Massachusetts	10,301	10,095	9,221	7,890	7,403	7,304	7,272
Michigan	8,683	8,441	7,555	6,233	5,781	5,712	5,696
Minnesota	6,018	5,887	5,330	4,443	4,140	4,095	4,091
Mississippi	2,845	2,794	2,518	2,102	1,957	1,942	1,945
Missouri	7,088	6,953	6,302	5,322	4,973	4,916	4,906
Montana	716	696	633	527	489	484	484
Nebraska	1,830	1,786	1,624	1,345	1,249	1,238	1,235
Nevada	2,644	2,590	2,343	1,941	1,804	1,789	1,788
New Hampshire	1,335	1,307	1,185	988	921	909	906
New Jersey	12,300	12,116	10,882	9,109	8,506	8,453	8,476
New Mexico	2,968	2,886	2,662	2,255	2,107	2,093	2,101
New York	21,484	21,031	19,052	15,876	14,793	14,667	14,650
North Carolina	9,407	9,206	8,343	6,901	6,406	6,340	6,328
North Dakota	556	543	496	411	383	380	379
Ohio	14,028	13,708	12,342	10,202	9,480	9,363	9,332
Oklahoma	4,903	4,762	4,372	3,655	3,404	3,388	3,400
Oregon	3,492	3,425	3,091	2,581	2,404	2,364	2,359
Pennsylvania	14,676	14,328	12,963	10,702	9,932	9,817	9,791
Rhode Island	1,173	1,148	1,035	843	779	771	770
South Carolina	4,809	4,707	4,247	3,427	3,161	3,133	3,124
South Dakota	613	598	546	454	423	419	418
Tennessee	6,001	5,857	5,300	4,388	4,077	4,025	4,009
Texas	44,524	43,224	39,546	33,145	30,857	30,669	30,775
Utah	2,981	2,955	2,646	2,238	2,097	2,074	2,090
Vermont	424	415	376	313	291	287	286
Virginia	23,812	23,497	21,175	17,384	16,113	16,015	16,014
Washington	6,876	6,751	6,137	5,155	4,807	4,755	4,761
West Virginia	1,472	1,432	1,296	1,069	989	975	972
Wisconsin	6,949	6,833	6,157	5,105	4,758	4,694	4,660
Wyoming	1,287	1,242	1,152	970	904	899	905
U.S. Total	396,626	387,856	351,705	293,065	272,701	270,127	269,964

Source: RDEPPS Calculations

Table 15
Projections of Induced Defense Purchases Resulting from Direct Pay, by State
(Millions of 2013 dollars)

State	2011	2012	2013	2014	2015	2016	2017
Alabama	2,318	2,391	2,461	2,293	2,296	2,270	2,250
Alaska	1,044	1,075	1,106	1,030	1,029	1,016	1,006
Arizona	1,904	1,963	2,020	1,881	1,883	1,860	1,843
Arkansas	903	932	960	895	896	885	876
California	11,722	12,094	12,452	11,611	11,626	11,484	11,379
Colorado	2,486	2,565	2,644	2,466	2,467	2,435	2,412
Connecticut	920	952	982	918	921	911	904
Delaware	405	418	431	402	403	398	395
District of Columbia	1,353	1,393	1,434	1,336	1,335	1,318	1,305
Florida	5,791	5,971	6,150	5,733	5,737	5,668	5,615
Georgia	5,315	5,483	5,649	5,268	5,273	5,209	5,160
Hawaii	2,300	2,366	2,435	2,267	2,266	2,238	2,216
Idaho	439	452	465	433	433	428	424
Illinois	3,212	3,317	3,416	3,190	3,198	3,158	3,129
Indiana	1,785	1,846	1,893	1,765	1,771	1,751	1,736
Iowa	702	725	747	698	700	691	684
Kansas	1,487	1,533	1,580	1,473	1,473	1,454	1,439
Kentucky	2,299	2,372	2,439	2,271	2,274	2,247	2,226
Louisiana	1,771	1,814	1,863	1,736	1,730	1,701	1,676
Maine	497	513	528	492	492	487	482
Maryland	3,141	3,236	3,332	3,105	3,105	3,067	3,037
Massachusetts	1,591	1,642	1,691	1,578	1,581	1,564	1,551
Michigan	2,224	2,314	2,366	2,198	2,212	2,191	2,174
Minnesota	1,144	1,180	1,215	1,133	1,135	1,121	1,111
Mississippi	1,052	1,085	1,116	1,040	1,042	1,030	1,020
Missouri	1,840	1,900	1,956	1,825	1,828	1,806	1,789
Montana	282	291	299	279	279	275	272
Nebraska	724	745	767	715	715	706	699
Nevada	854	881	906	845	845	836	828
New Hampshire	323	333	343	319	320	316	314
New Jersey	2,580	2,665	2,747	2,570	2,576	2,545	2,522
New Mexico	888	914	940	875	874	863	854
New York	5,302	5,503	5,681	5,315	5,337	5,278	5,239
North Carolina	5,229	5,394	5,556	5,182	5,190	5,129	5,081
North Dakota	340	350	360	336	335	331	328
Ohio	3,211	3,318	3,408	3,175	3,185	3,149	3,121
Oklahoma	1,851	1,908	1,963	1,829	1,829	1,807	1,789
Oregon	816	841	864	804	805	795	787
Pennsylvania	3,233	3,335	3,436	3,212	3,218	3,179	3,150
Rhode Island	401	413	425	396	396	392	388
South Carolina	1,803	1,859	1,913	1,783	1,785	1,766	1,751
South Dakota	302	311	320	298	298	295	292
Tennessee	1,727	1,784	1,835	1,711	1,716	1,697	1,682
Texas	10,329	10,635	10,943	10,204	10,202	10,067	9,960
Utah	1,054	1,086	1,117	1,040	1,041	1,029	1,019
Vermont	145	149	154	143	144	142	141
Virginia	8,206	8,452	8,700	8,104	8,102	8,001	7,921
Washington	3,712	3,823	3,936	3,666	3,666	3,621	3,585
West Virginia	318	328	337	315	316	312	309
Wisconsin	1,091	1,127	1,161	1,083	1,087	1,075	1,066
Wyoming	212	218	224	209	209	207	205
U.S. Total	114,577	118,193	121,662	113,446	113,576	112,197	111,140

Source: RDEPPS Calculations

SECTION II: PROJECTIONS FOR SELECTED INDUSTRIES (IDEPPS)

The tables in this section show projected direct and indirect defense purchases from the 75 manufacturing industries most affected by defense spending.⁵ A separate table is provided for each industry.

The upper portion of each table provides projections of direct and indirect defense purchases for calendar years 2011 to 2017. The lower portion of each table displays the purchasing sectors for the indirect sales of the subject industry in those years.

As indicated in the introduction, indirect (sometimes called intermediate) demand reflects the costs of materials, parts, and services that prime contractors buy from suppliers to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

In addition, for the top 10 defense industries, tables are provided that display the origins of defense-related demand (both direct and indirect) by DoD purchasing function. That is, these tables trace the source of industrial demand by DoD appropriation such as operations and maintenance or aircraft procurement.

⁵ Although IDEPPS, the detailed interindustry model, forecasts defense demands by 360 industries, only the top 75 are presented in this section. A summary of all 360 industries sorted by the industry number is presented in the appendix.

**Table 1a Projected Defense Purchases of
303 Architectural, engineering, and related services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	47,046	48,770	42,747	36,883	34,327	33,706	33,502
Indirect Purchases	9,191	9,035	8,125	6,617	6,046	5,958	5,918
Total :	56,237	57,805	50,872	43,500	40,374	39,664	39,419
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	50	53	48	45	44	42	42
Aircraft Parts	144	150	134	117	112	106	103
Ammunition	22	22	20	17	15	15	16
Communication Equipment	306	303	265	245	235	232	240
Missiles	301	313	269	266	254	258	273
Motor Vehicles	30	23	13	8	5	5	5
Shipbuilding	266	348	393	234	252	286	235
Tanks	36	26	12	8	6	7	10
Other Electronic Equipment	18	18	17	16	15	15	14
Other Ordinances	20	19	17	15	14	14	15
Other	7,999	7,761	6,936	5,646	5,093	4,978	4,964
Total :	9,191	9,035	8,125	6,617	6,046	5,958	5,918

Note: numbers may not add due to rounding

Table 1b Sources of Projected Defense Purchases
303 Architectural, engineering, and related services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	249	231	240	226	225	226	227
Operations & Maintenance *	26,802	27,609	24,470	19,117	17,286	17,210	17,195
Aircraft	3,089	3,291	2,851	2,528	2,395	2,235	2,438
Missiles	1,789	2,148	1,679	1,722	1,717	1,867	2,082
Weapons and Tracked Vehicles	428	363	151	113	85	83	95
Shipbuilding	3,972	4,510	4,019	4,127	4,220	4,194	3,716
Ammunition	102	114	94	86	83	91	96
Other	5,857	5,902	4,701	4,412	4,196	4,164	4,381
Total Procurement	15,238	16,328	13,495	12,988	12,698	12,634	12,808
RDT&E	11,459	11,272	10,394	9,576	8,906	8,460	8,083
Military Construction	2,306	2,238	2,150	1,481	1,167	1,047	1,021
Family Housing	184	127	123	112	91	85	85
Total :	56,237	57,805	50,872	43,500	40,374	39,664	39,419

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 2a Projected Defense Purchases of
310 Scientific research and development services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	43,886	43,176	39,784	36,461	34,317	33,408	33,028
Indirect Purchases	4,406	4,428	4,012	3,396	3,219	3,220	3,213
Total :	48,292	47,605	43,796	39,857	37,536	36,628	36,241
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	73	78	71	66	64	62	63
Aircraft Parts	167	174	156	136	131	124	121
Ammunition	26	26	24	20	18	18	19
Communication Equipment	1,150	1,136	995	916	879	869	900
Missiles	247	257	222	219	209	212	225
Motor Vehicles	54	41	23	14	9	8	9
Shipbuilding	301	394	445	265	286	325	267
Tanks	69	49	23	16	12	14	19
Other Electronic Equipment	100	101	95	88	83	80	79
Other Ordinances	18	16	15	14	13	13	13
Other	2,202	2,155	1,943	1,641	1,516	1,495	1,499
Total :	4,406	4,428	4,012	3,396	3,219	3,220	3,213

Note: numbers may not add due to rounding

Table 2b Sources of Projected Defense Purchases
310 Scientific research and development services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	162	150	156	146	145	146	146
Operations & Maintenance *	8,463	8,164	7,253	5,504	4,916	4,893	4,894
Aircraft	501	534	473	432	418	399	420
Missiles	907	1,078	828	879	874	970	1,090
Weapons and Tracked Vehicles	216	302	49	34	23	22	24
Shipbuilding	359	512	665	316	344	398	342
Ammunition	171	184	159	137	128	134	144
Other	3,011	3,079	2,563	2,372	2,246	2,271	2,463
Total Procurement	5,166	5,690	4,738	4,170	4,034	4,195	4,483
RDT&E	34,372	33,456	31,477	29,927	28,336	27,293	26,615
Military Construction	122	140	166	104	100	98	99
Family Housing	8	6	6	5	4	4	4
Total :	48,292	47,605	43,796	39,857	37,536	36,628	36,241

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 3a Projected Defense Purchases of
94 Petroleum refineries**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	27,218	25,067	23,524	19,916	18,332	18,306	18,388
Indirect Purchases	16,799	15,942	14,603	12,145	11,188	11,095	11,108
Total :	44,017	41,009	38,127	32,061	29,519	29,401	29,496
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	48	52	48	44	43	41	41
Aircraft Parts	179	186	167	146	140	132	128
Ammunition	55	55	50	43	38	37	40
Communication Equipment	282	279	245	225	215	211	218
Missiles	120	125	108	107	102	103	109
Motor Vehicles	67	51	28	18	11	10	11
Shipbuilding	182	238	269	160	172	194	158
Tanks	73	52	25	17	13	15	20
Other Electronic Equipment	39	39	37	34	32	31	31
Other Ordinances	27	26	23	21	20	19	20
Other	15,726	14,838	13,603	11,331	10,402	10,301	10,332
Total :	16,798	15,942	14,603	12,145	11,188	11,095	11,108

Note: numbers may not add due to rounding

Table 3b Sources of Projected Defense Purchases

94 Petroleum refineries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	8,368	7,781	7,946	7,495	7,479	7,529	7,562
Operations & Maintenance *	30,197	28,242	25,846	20,804	18,605	18,549	18,595
Aircraft	616	637	558	506	498	482	510
Missiles	121	132	103	105	105	115	129
Weapons and Tracked Vehicles	179	138	61	41	28	25	27
Shipbuilding	223	288	314	207	222	245	204
Ammunition	101	108	99	81	73	72	78
Other	2,396	1,955	1,566	1,421	1,255	1,204	1,250
Total Procurement	3,637	3,258	2,702	2,360	2,181	2,143	2,197
RDT&E	1,128	1,104	1,033	971	913	873	844
Military Construction	610	571	548	382	301	270	261
Family Housing	76	53	53	48	39	37	37
Total :	44,017	41,009	38,127	32,061	29,519	29,401	29,496

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

Table 4a Projected Defense Purchases of**16 Crude oil extraction**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	77	88	86	41	31	32	31
Indirect Purchases	38,929	36,391	33,735	28,306	26,063	25,942	26,016
Total :	39,006	36,480	33,821	28,347	26,094	25,975	26,048
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	65	70	64	59	58	56	56
Aircraft Parts	229	239	214	187	180	169	164
Ammunition	91	91	83	70	63	61	65
Communication Equipment	367	364	319	294	281	276	285
Missiles	155	161	140	138	131	133	141
Motor Vehicles	95	72	40	25	16	14	15
Shipbuilding	241	315	356	212	227	256	209
Tanks	106	75	36	25	19	21	28
Other Electronic Equipment	53	54	51	47	44	43	42
Other Ordinances	42	39	34	32	30	29	30
Other	37,486	34,910	32,396	27,217	25,013	24,883	24,982
Total :	38,929	36,391	33,734	28,306	26,062	25,942	26,017

Note: numbers may not add due to rounding

Table 4b Sources of Projected Defense Purchases

16 Crude oil extraction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	6,908	6,425	6,567	6,196	6,183	6,224	6,251
Operations & Maintenance *	26,567	24,911	22,753	18,251	16,320	16,264	16,300
Aircraft	718	745	654	594	583	562	593
Missiles	143	156	122	124	125	136	152
Weapons and Tracked Vehicles	248	189	85	57	38	34	37
Shipbuilding	281	364	401	258	279	308	256
Ammunition	134	142	131	108	97	95	103
Other	2,170	1,796	1,453	1,327	1,181	1,138	1,183
Total Procurement	3,695	3,393	2,845	2,467	2,303	2,274	2,324
RDT&E	1,188	1,164	1,090	1,024	963	920	888
Military Construction	561	526	505	352	279	250	242
Family Housing	88	61	61	56	46	43	43
Total :	39,006	36,480	33,821	28,347	26,094	25,975	26,048

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 5a Projected Defense Purchases of
235 Aircraft**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	31,605	31,802	27,810	24,468	23,792	23,289	24,733
Indirect Purchases	177	173	157	136	127	125	125
Total :	31,782	31,975	27,968	24,603	23,919	23,413	24,858
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	5	5	4	4	4	3	3
Ammunition	0	0	0	0	0	0	0
Communication Equipment	1	1	1	1	1	1	1
Missiles	2	2	2	2	2	2	2
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	1	1	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	168	163	149	128	120	118	118
Total :	177	173	157	136	127	125	125

Note: numbers may not add due to rounding

Table 5b Sources of Projected Defense Purchases
235 Aircraft

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	20	18	19	18	18	18	18
Operations & Maintenance *	1,998	1,897	1,604	1,072	894	879	876
Aircraft	21,691	22,175	19,192	17,150	16,960	16,760	18,501
Missiles	26	26	22	25	25	28	31
Weapons and Tracked Vehicles	9	25	0	1	1	0	0
Shipbuilding	1	1	1	1	1	1	1
Ammunition	4	4	4	3	3	4	4
Other	341	293	280	297	274	255	267
Total Procurement	22,072	22,524	19,498	17,477	17,263	17,047	18,803
RDT&E	7,683	7,523	6,831	6,027	5,734	5,460	5,151
Military Construction	9	12	15	9	9	10	10
Family Housing	0	0	0	0	0	0	0
Total :	31,782	31,975	27,968	24,603	23,919	23,413	24,858

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

Table 6a Projected Defense Purchases of

285 Telecommunications

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	17,481	16,355	14,556	11,894	10,905	10,826	10,883
Indirect Purchases	11,545	11,146	10,019	8,260	7,620	7,555	7,564
Total :	29,026	27,501	24,575	20,154	18,525	18,380	18,447
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	68	72	66	61	60	58	58
Aircraft Parts	145	151	135	118	114	107	104
Ammunition	36	36	33	28	25	24	26
Communication Equipment	527	523	455	416	399	393	406
Missiles	194	201	174	171	163	166	176
Motor Vehicles	56	43	24	15	9	8	9
Shipbuilding	216	282	319	190	204	232	190
Tanks	73	52	25	17	13	15	20
Other Electronic Equipment	39	40	37	35	32	31	31
Other Ordinances	31	29	25	24	22	22	23
Other	10,160	9,716	8,726	7,186	6,578	6,498	6,523
Total :	11,545	11,146	10,019	8,260	7,620	7,555	7,565

Note: numbers may not add due to rounding

Table 6b Sources of Projected Defense Purchases

285 Telecommunications

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	488	453	466	439	437	439	441
Operations & Maintenance *	23,311	21,879	19,556	15,701	14,331	14,262	14,283
Aircraft	552	577	506	459	450	435	462
Missiles	207	231	180	182	182	199	225
Weapons and Tracked Vehicles	165	139	53	36	24	22	24
Shipbuilding	277	355	385	258	277	306	256
Ammunition	51	55	50	42	38	39	41
Other	2,022	1,977	1,642	1,475	1,357	1,318	1,388
Total Procurement	3,275	3,333	2,815	2,452	2,330	2,318	2,397
RDT&E	1,419	1,390	1,301	1,224	1,152	1,103	1,069
Military Construction	332	314	302	211	173	160	159
Family Housing	200	133	134	126	103	98	99
Total :	29,026	27,501	24,575	20,154	18,525	18,380	18,447

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 7a Projected Defense Purchases of
315 Management of companies and enterprises**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,099	26,734	23,985	20,360	19,082	18,920	19,025
Total :	27,099	26,734	23,985	20,360	19,082	18,920	19,025
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	657	704	641	590	579	560	562
Aircraft Parts	1,584	1,653	1,478	1,292	1,242	1,174	1,144
Ammunition	235	235	213	180	162	158	168
Communication Equipment	4,644	4,588	4,017	3,699	3,548	3,506	3,631
Missiles	1,782	1,854	1,597	1,579	1,504	1,527	1,618
Motor Vehicles	497	375	209	131	81	76	81
Shipbuilding	908	1,189	1,343	800	860	974	798
Tanks	625	444	213	147	110	128	170
Other Electronic Equipment	396	399	376	349	327	316	313
Other Ordinances	170	158	140	130	123	120	125
Other	15,600	15,134	13,756	11,464	10,546	10,380	10,415
Total :	27,099	26,733	23,985	20,360	19,082	18,920	19,026

Note: numbers may not add due to rounding

Table 7b Sources of Projected Defense Purchases
315 Management of companies and enterprises

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	1,539	1,429	1,479	1,393	1,388	1,393	1,396
Operations & Maintenance *	9,720	9,474	8,564	6,509	5,772	5,746	5,739
Aircraft	2,973	3,166	2,790	2,543	2,467	2,346	2,398
Missiles	1,063	1,206	965	967	962	1,056	1,180
Weapons and Tracked Vehicles	1,214	908	378	252	165	153	167
Shipbuilding	990	1,291	1,436	903	979	1,097	912
Ammunition	347	374	341	288	263	266	283
Other	4,834	4,565	3,968	3,841	3,682	3,630	3,828
Total Procurement	11,421	11,510	9,878	8,793	8,520	8,547	8,769
RDT&E	3,853	3,787	3,540	3,295	3,106	2,966	2,859
Military Construction	504	490	480	329	264	237	231
Family Housing	62	44	44	41	33	31	31
Total :	27,099	26,734	23,985	20,360	19,082	18,920	19,025

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 8a Projected Defense Purchases of
241 Ship building and repairing**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15,062	19,710	22,245	13,266	14,299	16,268	13,377
Indirect Purchases	207	211	199	158	152	158	152
Total :	15,269	19,922	22,444	13,424	14,451	16,427	13,529
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	33	46	47	29	33	40	34
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	174	165	152	128	118	118	118
Total :	207	211	199	158	152	158	152

Note: numbers may not add due to rounding

Table 8b Sources of Projected Defense Purchases

241 Ship building and repairing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	54	50	51	48	48	48	49
Operations & Maintenance *	537	579	526	429	395	395	394
Aircraft	8	9	8	7	7	7	7
Missiles	0	0	0	0	0	0	0
Weapons and Tracked Vehicles	1	3	0	0	0	0	0
Shipbuilding	13,804	18,528	21,213	12,440	13,620	15,640	12,762
Ammunition	0	0	0	0	0	0	0
Other	529	421	346	240	137	105	99
Total Procurement	14,343	18,962	21,568	12,688	13,764	15,753	12,869
RDT&E	311	302	272	237	227	216	202
Military Construction	25	29	28	22	16	15	15
Family Housing	0	0	0	0	0	0	0
Total :	15,269	19,922	22,444	13,424	14,451	16,427	13,529

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

Table 9a Projected Defense Purchases of

265 Wholesale trade

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,663	6,096	6,241	4,494	4,051	4,127	4,093
Indirect Purchases	17,565	17,202	15,470	12,739	11,867	11,773	11,780
Total :	23,228	23,298	21,710	17,233	15,919	15,900	15,873
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	168	180	165	151	148	143	143
Aircraft Parts	505	527	471	411	395	371	360
Ammunition	171	171	155	131	118	115	122
Communication Equipment	2,238	2,225	1,933	1,764	1,688	1,659	1,707
Missiles	505	526	454	449	428	433	458
Motor Vehicles	417	314	174	110	67	63	67
Shipbuilding	854	1,116	1,259	750	804	908	742
Tanks	429	304	146	100	76	87	115
Other Electronic Equipment	346	348	329	305	286	276	274
Other Ordinances	134	125	111	103	96	94	98
Other	11,797	11,366	10,273	8,464	7,760	7,623	7,694
Total :	17,565	17,202	15,469	12,739	11,867	11,773	11,780

Note: numbers may not add due to rounding

Table 9b Sources of Projected Defense Purchases

265 Wholesale trade

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	1,382	1,276	1,327	1,241	1,231	1,232	1,232
Operations & Maintenance *	11,705	11,992	11,536	8,433	7,495	7,548	7,494
Aircraft	1,950	2,023	1,777	1,605	1,575	1,525	1,619
Missiles	397	441	348	350	350	382	427
Weapons and Tracked Vehicles	1,062	802	367	248	166	149	160
Shipbuilding	872	1,147	1,292	784	854	964	794
Ammunition	206	220	202	168	152	152	162
Other	2,627	2,488	2,121	2,035	1,952	1,928	2,036
Total Procurement	7,114	7,121	6,106	5,190	5,049	5,100	5,198
RDT&E	2,073	2,036	1,900	1,766	1,660	1,580	1,519
Military Construction	852	798	767	537	429	389	379
Family Housing	103	75	74	67	55	51	51
Total :	23,228	23,298	21,710	17,233	15,919	15,900	15,873

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 10a Projected Defense Purchases of
32 New non-residential building construction**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26,000	23,864	21,457	15,964	13,471	12,909	12,786
Indirect Purchases	23	24	17	15	13	15	16
Total :	26,023	23,888	21,473	15,978	13,484	12,924	12,802
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Other	23	24	17	15	13	15	16
Total :	23	24	17	15	13	15	16

Note: numbers may not add due to rounding

Table 10b Sources of Projected Defense Purchases
32 New non-residential building construction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Operations & Maintenance *	13,667	12,938	11,059	8,295	7,335	7,269	7,286
Aircraft	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Weapons and Tracked Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Ammunition	48	51	46	37	33	33	36
Other	2	2	2	2	1	1	1
Total Procurement	51	53	48	39	35	34	37
RD&T&E	80	80	73	66	58	54	50
Military Construction	11,231	10,123	9,620	6,967	5,561	5,102	4,968
Family Housing	994	693	673	611	496	466	462
Total :	26,023	23,888	21,473	15,978	13,484	12,924	12,802

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 11 Projected Defense Purchases of
294 Real estate**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,307	5,518	4,911	4,111	3,666	3,637	3,654
Indirect Purchases	17,235	16,745	15,214	12,776	11,843	11,736	11,735
Total :	23,542	22,263	20,125	16,887	15,509	15,373	15,389
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	96	103	94	87	85	82	82
Aircraft Parts	256	267	238	208	200	189	184
Ammunition	69	70	63	53	48	47	50
Communication Equipment	778	771	672	616	590	582	601
Missiles	337	350	301	298	284	288	305
Motor Vehicles	108	81	45	28	17	16	17
Shipbuilding	324	424	479	285	307	347	285
Tanks	142	101	48	33	25	29	38
Other Electronic Equipment	80	81	76	71	66	64	63
Other Ordinances	56	52	46	42	40	39	41
Other	14,989	14,446	13,151	11,054	10,181	10,053	10,069
Total :	17,235	16,745	15,214	12,776	11,843	11,736	11,735

Note: numbers may not add due to rounding

**Table 12 Projected Defense Purchases of
203 Search, detection, and navigation instruments**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20,081	19,609	17,440	16,334	15,740	15,674	16,379
Indirect Purchases	826	867	783	661	631	622	612
Total :	20,908	20,477	18,223	16,995	16,371	16,296	16,991
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	41	44	40	37	36	35	35
Aircraft Parts	74	78	69	61	58	55	54
Ammunition	0	0	0	0	0	0	0
Communication Equipment	54	55	45	45	44	47	50
Missiles	52	54	46	46	44	44	47
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	70	92	103	62	67	76	62
Tanks	3	2	1	1	0	1	1
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	1	1
Other	531	542	477	409	380	363	362
Total :	826	867	783	661	631	622	612

Note: numbers may not add due to rounding

Table 13 Projected Defense Purchases of**267 Air transportation**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,754	15,748	14,754	12,788	12,033	12,013	12,034
Indirect Purchases	2,491	2,467	2,203	1,854	1,756	1,746	1,789
Total :	19,245	18,215	16,957	14,642	13,789	13,759	13,823
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	23	21	19	19	18	18
Aircraft Parts	43	45	40	35	34	32	31
Ammunition	8	8	7	6	5	5	6
Communication Equipment	113	112	98	90	86	85	88
Missiles	63	66	57	56	53	54	57
Motor Vehicles	13	10	6	4	2	2	2
Shipbuilding	79	103	116	69	74	84	69
Tanks	16	12	6	4	3	3	4
Other Electronic Equipment	9	9	9	8	8	7	7
Other Ordinances	6	6	5	5	4	4	4
Other	2,119	2,074	1,840	1,558	1,467	1,450	1,502
Total :	2,491	2,467	2,203	1,854	1,756	1,746	1,789

Note: numbers may not add due to rounding

**Table 14 Projected Defense Purchases of
308 Management, scientific, and technical consulting services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,240	7,926	6,703	4,749	4,025	3,973	3,946
Indirect Purchases	7,523	7,495	6,805	5,628	5,250	5,222	5,166
Total :	15,764	15,421	13,507	10,377	9,275	9,194	9,111
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	131	140	128	118	115	112	112
Aircraft Parts	117	122	110	96	92	87	85
Ammunition	28	28	25	21	19	19	20
Communication Equipment	431	428	372	341	327	323	333
Missiles	206	214	185	182	174	177	187
Motor Vehicles	38	29	16	10	6	6	6
Shipbuilding	398	521	588	351	378	429	353
Tanks	79	56	27	18	14	16	21
Other Electronic Equipment	34	34	32	29	28	27	26
Other Ordinances	26	25	22	20	19	19	19
Other	6,035	5,899	5,299	4,440	4,077	4,008	4,002
Total :	7,523	7,495	6,804	5,628	5,250	5,222	5,166

Note: numbers may not add due to rounding

**Table 15 Projected Defense Purchases of
237 Other aircraft parts and auxiliary equipment**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10,927	11,398	10,165	8,842	8,479	8,010	7,798
Indirect Purchases	3,422	3,498	3,088	2,698	2,554	2,463	2,464
Total :	14,349	14,895	13,253	11,540	11,034	10,473	10,262
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	126	135	123	113	111	108	108
Aircraft Parts	735	766	675	609	604	590	591
Ammunition	5	5	4	4	3	3	4
Communication Equipment	14	14	12	11	11	11	11
Missiles	71	74	64	63	61	62	65
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	1	1	2	1	1	1	1
Tanks	7	5	2	2	1	1	2
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	6	6	5	5	4	4	5
Other	2,455	2,490	2,200	1,889	1,757	1,682	1,676
Total :	3,422	3,498	3,088	2,698	2,554	2,463	2,464

Note: numbers may not add due to rounding

**Table 16 Projected Defense Purchases of
35 Maintenance and repair of nonresidential buildings, infrastructure and other**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,118	7,999	7,112	5,591	4,885	4,809	4,803
Indirect Purchases	6,038	5,852	5,342	4,521	4,212	4,173	4,174
Total :	15,156	13,852	12,454	10,112	9,096	8,982	8,978
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	33	35	32	30	29	28	28
Aircraft Parts	78	82	73	64	62	58	56
Ammunition	32	32	29	24	22	21	23
Communication Equipment	212	210	184	169	162	160	165
Missiles	68	71	61	61	58	59	62
Motor Vehicles	40	30	17	11	7	6	7
Shipbuilding	133	174	196	117	126	142	116
Tanks	43	30	14	10	8	9	11
Other Electronic Equipment	26	26	25	23	22	21	21
Other Ordinances	18	16	15	14	13	13	13
Other	5,355	5,145	4,695	3,999	3,704	3,656	3,672
Total :	6,037	5,852	5,342	4,521	4,212	4,173	4,175

Note: numbers may not add due to rounding

**Table 17 Projected Defense Purchases of
270 Truck transportation**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,235	8,418	7,580	6,138	5,561	5,491	5,503
Indirect Purchases	5,555	5,392	4,873	4,007	3,703	3,653	3,637
Total :	14,791	13,810	12,453	10,145	9,264	9,145	9,140
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	76	82	75	69	67	65	65
Aircraft Parts	396	413	369	322	309	292	284
Ammunition	45	45	41	35	31	30	32
Communication Equipment	282	279	244	224	214	210	217
Missiles	143	149	128	127	121	122	129
Motor Vehicles	106	80	44	28	17	16	17
Shipbuilding	182	238	269	160	171	193	157
Tanks	89	63	30	21	16	18	24
Other Electronic Equipment	37	37	35	32	30	29	29
Other Ordinances	37	34	31	28	27	26	27
Other	4,162	3,972	3,607	2,962	2,700	2,652	2,656
Total :	5,555	5,392	4,872	4,007	3,703	3,653	3,637

Note: numbers may not add due to rounding

Table 18 Projected Defense Purchases of
312 All other miscellaneous professional, scientific, and technical services
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,957	8,596	7,556	6,189	5,466	5,294	5,273
Indirect Purchases	4,385	4,367	3,952	3,318	3,101	3,075	3,049
Total :	13,342	12,963	11,508	9,507	8,567	8,369	8,322
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	40	42	39	36	35	34	34
Aircraft Parts	92	96	86	75	72	68	66
Ammunition	17	17	15	13	12	11	12
Communication Equipment	183	180	158	146	140	138	143
Missiles	123	128	110	109	104	105	112
Motor Vehicles	29	22	13	8	5	5	5
Shipbuilding	192	252	284	169	182	207	170
Tanks	54	38	18	13	9	11	14
Other Electronic Equipment	16	16	15	14	13	12	12
Other Ordinances	15	14	12	12	11	11	11
Other	3,625	3,562	3,202	2,725	2,518	2,473	2,470
Total :	4,385	4,367	3,952	3,318	3,101	3,074	3,049

Note: numbers may not add due to rounding

**Table 19 Projected Defense Purchases of
28 Electric power generation, transmission, and distribution**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,660	6,218	5,350	4,107	3,630	3,576	3,571
Indirect Purchases	6,943	6,771	6,148	5,109	4,753	4,710	4,705
Total :	13,602	12,989	11,497	9,216	8,383	8,285	8,276
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	82	88	80	74	72	70	70
Aircraft Parts	259	270	241	211	202	190	185
Ammunition	101	101	92	77	70	68	72
Communication Equipment	442	437	384	354	340	334	345
Missiles	194	201	174	172	163	165	175
Motor Vehicles	99	75	42	26	16	15	16
Shipbuilding	260	340	384	229	246	277	226
Tanks	115	81	39	27	20	23	31
Other Electronic Equipment	64	64	61	56	53	51	50
Other Ordinances	56	52	46	43	40	39	41
Other	5,271	5,062	4,604	3,840	3,531	3,477	3,495
Total :	6,943	6,771	6,147	5,109	4,753	4,710	4,705

Note: numbers may not add due to rounding

**Table 20 Projected Defense Purchases of
238 Guided missiles and space vehicles**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12,407	12,966	11,128	11,086	10,681	10,926	11,626
Indirect Purchases	324	334	290	283	269	271	285
Total :	12,731	13,299	11,418	11,368	10,950	11,197	11,911
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	10	10	9	8	8	8	8
Missiles	262	272	234	231	220	224	238
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	1	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	1	1
Other	50	49	45	41	39	38	37
Total :	324	334	290	283	269	271	285

Note: numbers may not add due to rounding

**Table 21 Projected Defense Purchases of
307 Other computer related services, including facilities management**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,931	7,731	7,218	6,121	5,709	5,717	5,753
Indirect Purchases	3,886	3,839	3,455	2,898	2,692	2,665	2,659
Total :	11,817	11,570	10,673	9,020	8,401	8,382	8,412
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	33	36	32	30	29	28	28
Aircraft Parts	66	69	62	54	52	49	48
Ammunition	13	13	11	10	9	9	9
Communication Equipment	358	353	310	287	276	274	284
Missiles	95	99	85	84	80	82	86
Motor Vehicles	21	16	9	5	3	3	3
Shipbuilding	108	141	160	95	102	116	95
Tanks	29	20	10	7	5	6	8
Other Electronic Equipment	19	19	18	16	15	15	15
Other Ordinances	13	12	11	10	9	9	10
Other	3,131	3,061	2,747	2,299	2,110	2,074	2,072
Total :	3,886	3,839	3,455	2,898	2,692	2,665	2,659

Note: numbers may not add due to rounding

**Table 22 Projected Defense Purchases of
236 Aircraft engines and engine parts**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,061	6,452	5,768	5,235	5,098	4,935	4,944
Indirect Purchases	4,590	4,770	4,275	3,809	3,647	3,514	3,523
Total :	10,651	11,222	10,043	9,044	8,746	8,450	8,467
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1,711	1,834	1,668	1,534	1,506	1,461	1,467
Aircraft Parts	430	451	410	362	351	332	325
Ammunition	1	1	1	1	1	1	1
Communication Equipment	11	11	10	9	9	9	9
Missiles	86	91	79	79	76	78	82
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	2	3	4	3	3	3	3
Tanks	93	67	33	23	17	20	27
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	4	4	3	3	3	3	3
Other	2,251	2,308	2,067	1,796	1,681	1,608	1,605
Total :	4,590	4,770	4,275	3,809	3,647	3,514	3,523

Note: numbers may not add due to rounding

**Table 23 Projected Defense Purchases of
311 Advertising and related services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,089	1,055	886	616	520	511	510
Indirect Purchases	9,777	9,578	8,631	7,248	6,788	6,740	6,814
Total :	10,866	10,633	9,517	7,865	7,307	7,250	7,324
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	96	103	94	87	85	82	82
Aircraft Parts	237	247	221	193	186	175	171
Ammunition	58	58	53	44	40	39	41
Communication Equipment	911	902	787	722	692	683	707
Missiles	302	314	271	268	255	259	274
Motor Vehicles	89	67	37	24	15	13	15
Shipbuilding	254	332	375	224	240	272	223
Tanks	114	81	39	27	20	23	31
Other Electronic Equipment	74	74	70	65	61	59	58
Other Ordinances	58	54	48	44	42	41	42
Other	7,584	7,345	6,637	5,552	5,153	5,093	5,170
Total :	9,776	9,578	8,631	7,248	6,788	6,740	6,814

Note: numbers may not add due to rounding

**Table 24 Projected Defense Purchases of
340 Food services and drinking places**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,118	3,922	3,479	2,765	2,510	2,487	2,485
Indirect Purchases	6,494	6,392	5,773	4,816	4,472	4,435	4,420
Total :	10,612	10,314	9,252	7,581	6,982	6,922	6,905
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	44	47	43	39	39	37	38
Aircraft Parts	97	101	90	79	76	72	70
Ammunition	18	18	16	14	12	12	13
Communication Equipment	265	262	229	211	202	199	206
Missiles	154	161	138	137	130	132	140
Motor Vehicles	33	25	14	9	5	5	5
Shipbuilding	181	237	268	160	172	195	160
Tanks	42	30	14	10	7	9	11
Other Electronic Equipment	20	20	19	18	16	16	16
Other Ordinances	16	15	13	12	11	11	12
Other	5,624	5,476	4,928	4,129	3,800	3,747	3,749
Total :	6,494	6,392	5,773	4,816	4,472	4,435	4,420

Note: numbers may not add due to rounding

**Table 25 Projected Defense Purchases of
291 Insurance carriers**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,687	3,406	3,421	3,153	3,113	3,124	3,130
Indirect Purchases	6,328	6,157	5,582	4,679	4,335	4,293	4,292
Total :	10,015	9,564	9,003	7,832	7,449	7,417	7,422
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	23	24	22	20	20	19	19
Aircraft Parts	61	63	57	49	47	45	44
Ammunition	13	13	11	10	9	9	9
Communication Equipment	161	160	139	128	123	121	125
Missiles	75	78	67	66	63	64	68
Motor Vehicles	23	17	10	6	4	3	4
Shipbuilding	81	106	120	72	77	87	71
Tanks	25	18	9	6	4	5	7
Other Electronic Equipment	15	15	14	13	12	12	12
Other Ordinances	10	9	8	8	7	7	7
Other	5,841	5,654	5,124	4,301	3,969	3,921	3,926
Total :	6,328	6,157	5,582	4,679	4,335	4,293	4,292

Note: numbers may not add due to rounding

**Table 26 Projected Defense Purchases of
197 Broadcast and wireless communications equipment**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,176	7,257	6,085	5,444	5,181	5,051	5,105
Indirect Purchases	2,681	2,716	2,335	2,111	2,037	2,013	2,102
Total :	9,857	9,972	8,421	7,555	7,218	7,064	7,207
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	22	24	22	20	20	19	19
Aircraft Parts	33	35	31	27	26	25	24
Ammunition	1	1	0	0	0	0	0
Communication Equipment	1,936	1,947	1,660	1,495	1,456	1,439	1,512
Missiles	318	332	286	284	270	275	291
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	2	3	3	2	2	2	2
Tanks	2	1	1	0	0	0	1
Other Electronic Equipment	8	8	8	7	7	7	7
Other Ordinances	1	1	1	1	1	1	1
Other	358	363	322	274	254	244	244
Total :	2,681	2,716	2,335	2,111	2,037	2,013	2,102

Note: numbers may not add due to rounding

**Table 27 Projected Defense Purchases of
288 Monetary authorities and depository credit intermediation**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,320	9,139	8,269	6,878	6,398	6,344	6,346
Total :	9,320	9,139	8,270	6,878	6,398	6,344	6,346
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	66	71	65	59	58	56	56
Aircraft Parts	152	158	142	124	119	112	109
Ammunition	29	30	27	23	20	20	21
Communication Equipment	370	366	320	294	282	278	288
Missiles	203	211	182	180	171	174	184
Motor Vehicles	56	42	23	15	9	8	9
Shipbuilding	295	386	436	260	279	317	260
Tanks	81	57	27	19	14	16	22
Other Electronic Equipment	30	30	28	26	25	24	23
Other Ordinances	25	23	21	19	18	18	18
Other	8,013	7,765	6,999	5,860	5,402	5,320	5,354
Total :	9,320	9,139	8,269	6,878	6,398	6,344	6,346

Note: numbers may not add due to rounding

**Table 28 Projected Defense Purchases of
322 Employment services**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	278	268	226	158	134	132	133
Indirect Purchases	8,712	8,568	7,715	6,462	5,989	5,934	5,934
Total :	8,990	8,836	7,941	6,620	6,123	6,067	6,066
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	72	77	70	64	63	61	61
Aircraft Parts	153	160	143	125	120	113	110
Ammunition	32	32	29	24	22	21	23
Communication Equipment	481	476	415	381	365	361	373
Missiles	456	474	408	403	384	391	414
Motor Vehicles	34	26	14	9	6	5	6
Shipbuilding	209	274	310	185	199	225	185
Tanks	46	33	16	11	8	9	12
Other Electronic Equipment	25	25	24	22	21	20	20
Other Ordinances	29	27	24	22	21	20	21
Other	7,175	6,964	6,262	5,215	4,780	4,707	4,708
Total :	8,712	8,568	7,714	6,462	5,989	5,934	5,934

Note: numbers may not add due to rounding

**Table 29 Projected Defense Purchases of
273 Scenic and sightseeing transportation and support activities for transportation**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,244	4,134	3,732	3,137	2,919	2,880	2,902
Indirect Purchases	4,435	4,228	3,884	3,279	3,050	3,030	3,036
Total :	8,679	8,363	7,616	6,416	5,969	5,909	5,938
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	9	10	9	8	8	8	8
Aircraft Parts	28	29	26	23	22	21	20
Ammunition	6	6	5	4	4	4	4
Communication Equipment	60	60	52	48	46	45	46
Missiles	26	27	23	23	22	22	23
Motor Vehicles	11	9	5	3	2	2	2
Shipbuilding	32	41	47	28	30	34	28
Tanks	11	8	4	3	2	2	3
Other Electronic Equipment	6	7	6	6	5	5	5
Other Ordinances	4	4	4	3	3	3	3
Other	4,242	4,029	3,704	3,131	2,906	2,884	2,894
Total :	4,435	4,228	3,884	3,279	3,050	3,030	3,036

Note: numbers may not add due to rounding

**Table 30 Projected Defense Purchases of
290 Securities, commodity contracts, investments, and related activities**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	223	225	238	194	185	188	186
Indirect Purchases	8,057	7,960	7,272	5,974	5,592	5,583	5,529
Total :	8,281	8,185	7,510	6,168	5,778	5,771	5,715
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	108	116	106	97	95	92	92
Aircraft Parts	243	254	227	198	191	180	175
Ammunition	55	55	50	42	38	37	40
Communication Equipment	471	465	408	376	361	356	369
Missiles	361	375	323	319	304	309	327
Motor Vehicles	107	81	44	28	17	16	17
Shipbuilding	524	686	774	461	497	563	462
Tanks	136	96	46	32	24	28	37
Other Electronic Equipment	43	44	41	38	36	34	34
Other Ordinances	47	44	39	36	34	33	34
Other	5,961	5,745	5,214	4,346	3,996	3,935	3,942
Total :	8,057	7,960	7,272	5,974	5,592	5,583	5,529

Note: numbers may not add due to rounding

**Table 31 Projected Defense Purchases of
339 Hotels and other accommodations**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,505	5,173	4,665	3,869	3,576	3,547	3,546
Indirect Purchases	2,608	2,587	2,325	1,931	1,805	1,794	1,803
Total :	8,113	7,761	6,990	5,800	5,382	5,341	5,349
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	20	22	20	18	18	17	17
Aircraft Parts	44	46	41	36	35	33	32
Ammunition	7	7	7	6	5	5	5
Communication Equipment	129	128	112	103	98	97	100
Missiles	71	74	63	63	60	61	64
Motor Vehicles	13	10	5	3	2	2	2
Shipbuilding	98	128	145	86	93	106	87
Tanks	19	13	6	4	3	4	5
Other Electronic Equipment	9	9	8	8	7	7	7
Other Ordinances	7	6	6	5	5	5	5
Other	2,191	2,144	1,911	1,599	1,479	1,458	1,478
Total :	2,608	2,587	2,325	1,931	1,805	1,794	1,803

Note: numbers may not add due to rounding

Table 32 Projected Defense Purchases of**275 Warehousing and storage**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,623	5,144	4,635	3,731	3,375	3,333	3,340
Indirect Purchases	2,257	2,203	2,005	1,653	1,539	1,532	1,530
Total :	7,880	7,346	6,640	5,384	4,913	4,865	4,869
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	26	28	26	24	23	23	23
Aircraft Parts	74	77	69	60	58	54	53
Ammunition	20	20	18	15	14	13	14
Communication Equipment	214	211	185	170	163	161	166
Missiles	89	92	80	79	75	76	81
Motor Vehicles	18	13	8	5	3	3	3
Shipbuilding	93	121	137	81	88	99	81
Tanks	35	25	12	8	6	7	9
Other Electronic Equipment	20	21	19	18	17	16	16
Other Ordinances	15	14	12	11	10	10	11
Other	1,654	1,580	1,440	1,182	1,082	1,069	1,073
Total :	2,257	2,203	2,005	1,653	1,539	1,532	1,530

Note: numbers may not add due to rounding

**Table 33 Projected Defense Purchases of
269 Water transportation**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,142	6,775	6,237	5,223	4,829	4,801	4,811
Indirect Purchases	423	416	380	341	320	314	312
Total :	7,565	7,191	6,617	5,564	5,150	5,115	5,123
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	4	4	4	3	3	3	3
Ammunition	1	1	1	1	1	1	1
Communication Equipment	10	10	9	8	8	8	8
Missiles	3	3	3	3	3	3	3
Motor Vehicles	2	1	1	0	0	0	0
Shipbuilding	4	5	6	3	4	4	3
Tanks	1	1	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0	0
Other	396	388	355	320	300	294	292
Total :	423	416	380	341	320	314	312

Note: numbers may not add due to rounding

Table 34 Projected Defense Purchases of**201 All other electronic components**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,851	2,861	2,704	2,538	2,383	2,307	2,293
Indirect Purchases	4,171	4,161	3,673	3,202	3,016	2,971	3,010
Total :	7,022	7,022	6,377	5,740	5,400	5,278	5,302
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	18	20	18	17	16	16	16
Aircraft Parts	91	95	85	74	71	67	65
Ammunition	24	24	22	19	17	16	17
Communication Equipment	1,918	1,907	1,656	1,513	1,448	1,425	1,468
Missiles	203	212	183	181	173	175	185
Motor Vehicles	31	25	15	9	6	5	6
Shipbuilding	98	129	146	87	93	105	86
Tanks	28	20	9	7	5	6	7
Other Electronic Equipment	367	369	348	325	305	295	293
Other Ordinances	15	14	13	12	11	11	11
Other	1,377	1,348	1,178	959	870	849	855
Total :	4,171	4,161	3,673	3,202	3,016	2,971	3,010

Note: numbers may not add due to rounding

**Table 35 Projected Defense Purchases of
135 Primary ferrous metal products**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	57	57	47	26	18	18	18
Indirect Purchases	7,191	7,086	6,274	4,824	4,464	4,452	4,353
Total :	7,248	7,143	6,321	4,850	4,483	4,470	4,371
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	129	138	125	115	113	108	108
Aircraft Parts	379	393	351	306	292	273	264
Ammunition	118	118	107	90	81	78	83
Communication Equipment	357	352	307	281	268	261	268
Missiles	209	216	186	184	174	175	184
Motor Vehicles	465	351	196	123	75	70	75
Shipbuilding	813	1,062	1,198	713	765	862	704
Tanks	443	314	150	103	77	89	118
Other Electronic Equipment	64	64	61	56	52	50	49
Other Ordinances	133	124	109	101	95	93	96
Other	4,080	3,954	3,484	2,753	2,473	2,391	2,405
Total :	7,191	7,086	6,274	4,824	4,464	4,452	4,353

Note: numbers may not add due to rounding

**Table 36 Projected Defense Purchases of
317 Facilities support services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,449	6,927	5,761	3,936	3,258	3,174	3,161
Indirect Purchases	540	539	484	412	387	386	388
Total :	7,989	7,465	6,245	4,348	3,644	3,559	3,548
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	9	10	9	8	8	8	8
Aircraft Parts	20	20	18	16	15	14	14
Ammunition	3	3	3	2	2	2	2
Communication Equipment	52	52	45	42	40	40	41
Missiles	75	78	67	66	63	64	68
Motor Vehicles	3	2	1	1	0	0	0
Shipbuilding	21	28	31	19	20	23	19
Tanks	4	3	1	1	1	1	1
Other Electronic Equipment	2	2	2	2	2	2	2
Other Ordinances	3	3	3	3	2	2	2
Other	348	338	304	253	233	230	230
Total :	540	539	484	412	387	386	388

Note: numbers may not add due to rounding

**Table 37 Projected Defense Purchases of
33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,614	6,765	5,901	3,702	2,834	2,533	2,438
Indirect Purchases	6	7	5	3	3	3	3
Total :	6,620	6,772	5,906	3,705	2,836	2,536	2,441
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Other	6	7	5	3	3	3	3
Total :	6	7	5	3	3	3	3

Note: numbers may not add due to rounding

Table 38 Projected Defense Purchases of**301 Legal services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	30	26	20	18	18	18
Indirect Purchases	6,602	6,487	5,874	4,933	4,598	4,559	4,560
Total :	6,630	6,517	5,901	4,954	4,617	4,577	4,578
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	118	126	115	106	104	100	101
Aircraft Parts	171	179	160	140	135	127	124
Ammunition	35	35	32	27	24	24	25
Communication Equipment	512	507	442	407	390	385	398
Missiles	314	326	281	278	264	269	285
Motor Vehicles	49	37	20	13	8	7	8
Shipbuilding	212	278	314	187	201	228	187
Tanks	61	44	21	14	11	13	17
Other Electronic Equipment	38	38	36	33	31	30	30
Other Ordinances	30	28	25	23	22	21	22
Other	5,062	4,889	4,428	3,706	3,408	3,355	3,364
Total :	6,602	6,486	5,874	4,933	4,598	4,559	4,560

Note: numbers may not add due to rounding

**Table 39 Projected Defense Purchases of
324 Waste management and remediation services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,017	4,713	3,865	2,481	1,943	1,880	1,875
Indirect Purchases	2,350	2,258	2,011	1,587	1,433	1,418	1,410
Total :	7,367	6,971	5,876	4,068	3,376	3,298	3,286
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	11	12	11	10	10	10	10
Aircraft Parts	29	31	27	24	23	22	21
Ammunition	13	13	12	10	9	9	9
Communication Equipment	62	61	54	49	47	47	48
Missiles	26	27	24	23	22	22	24
Motor Vehicles	14	11	6	4	2	2	2
Shipbuilding	64	83	94	56	60	68	56
Tanks	15	11	5	4	3	3	4
Other Electronic Equipment	8	8	8	7	7	6	6
Other Ordinances	7	6	6	5	5	5	5
Other	2,099	1,994	1,765	1,395	1,244	1,224	1,225
Total :	2,350	2,258	2,011	1,587	1,433	1,418	1,410

Note: numbers may not add due to rounding

**Table 40 Projected Defense Purchases of
300 Lessors of nonfinancial intangible assets**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	6,322	6,254	5,771	4,792	4,506	4,517	4,495
Total :	6,322	6,254	5,771	4,792	4,506	4,518	4,495
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	64	69	63	58	57	55	55
Aircraft Parts	149	156	139	122	117	111	108
Ammunition	29	30	27	23	21	20	21
Communication Equipment	655	646	568	525	504	499	518
Missiles	223	232	200	198	188	191	203
Motor Vehicles	58	44	24	15	9	9	9
Shipbuilding	399	523	591	352	380	431	354
Tanks	85	60	29	20	15	17	23
Other Electronic Equipment	51	51	49	45	42	41	41
Other Ordinances	21	20	17	16	15	15	16
Other	4,588	4,424	4,064	3,418	3,157	3,128	3,147
Total :	6,322	6,254	5,770	4,792	4,506	4,517	4,495

Note: numbers may not add due to rounding

Table 41 Projected Defense Purchases of

268 Rail transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,804	4,378	3,942	3,202	2,906	2,870	2,876
Indirect Purchases	1,811	1,745	1,565	1,270	1,167	1,152	1,145
Total :	6,615	6,123	5,507	4,472	4,073	4,022	4,021
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	16	17	16	14	14	13	13
Aircraft Parts	81	84	75	66	63	59	57
Ammunition	18	18	16	14	12	12	13
Communication Equipment	65	65	57	52	50	49	50
Missiles	30	31	27	27	25	25	27
Motor Vehicles	43	33	18	11	7	6	7
Shipbuilding	66	86	97	57	61	69	56
Tanks	36	25	12	8	6	7	9
Other Electronic Equipment	12	12	11	10	10	9	9
Other Ordinances	13	12	11	10	10	9	10
Other	1,431	1,362	1,225	1,000	909	893	895
Total :	1,811	1,745	1,564	1,270	1,167	1,152	1,145

Note: numbers may not add due to rounding

**Table 42 Projected Defense Purchases of
328 Offices of physicians, dentists, and other health practitioners**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,872	5,484	5,382	4,752	4,485	4,523	4,549
Indirect Purchases	7	7	6	6	6	7	7
Total :	5,879	5,491	5,388	4,757	4,490	4,530	4,556
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	7	7	6	6	6	7	7
Total :	7	7	6	6	6	7	7

Note: numbers may not add due to rounding

**Table 43 Projected Defense Purchases of
320 Services to buildings and dwellings**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,702	1,602	1,408	1,044	924	917	917
Indirect Purchases	4,263	4,166	3,782	3,197	2,972	2,936	2,923
Total :	5,965	5,768	5,190	4,241	3,896	3,852	3,840
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	27	29	26	24	24	23	23
Aircraft Parts	62	64	57	50	48	45	44
Ammunition	21	21	19	16	14	14	15
Communication Equipment	189	188	164	150	144	142	147
Missiles	67	70	60	60	57	58	61
Motor Vehicles	29	22	12	8	5	4	5
Shipbuilding	110	144	163	97	104	118	97
Tanks	32	23	11	8	6	7	9
Other Electronic Equipment	20	20	19	17	16	16	16
Other Ordinances	13	12	11	10	9	9	10
Other	3,693	3,574	3,240	2,757	2,545	2,500	2,498
Total :	4,263	4,166	3,782	3,197	2,972	2,936	2,923

Note: numbers may not add due to rounding

**Table 44 Projected Defense Purchases of
296 Automotive equipment rental and leasing**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,366	2,223	2,011	1,677	1,556	1,544	1,544
Indirect Purchases	3,149	3,099	2,800	2,325	2,161	2,142	2,138
Total :	5,515	5,322	4,811	4,002	3,716	3,686	3,682
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	32	34	31	28	28	27	27
Aircraft Parts	91	95	85	74	71	67	66
Ammunition	22	22	20	17	15	15	16
Communication Equipment	265	263	229	211	202	199	206
Missiles	97	100	86	85	81	83	87
Motor Vehicles	37	28	15	10	6	6	6
Shipbuilding	112	146	165	98	106	120	98
Tanks	41	29	14	9	7	8	11
Other Electronic Equipment	29	29	27	25	24	23	23
Other Ordinances	17	15	14	13	12	12	12
Other	2,407	2,337	2,112	1,753	1,608	1,583	1,586
Total :	3,149	3,099	2,800	2,325	2,161	2,142	2,138

Note: numbers may not add due to rounding

Table 45 Projected Defense Purchases of

266 Retail trade

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,572	3,424	3,429	3,073	2,922	2,945	2,965
Indirect Purchases	1,542	1,456	1,302	1,045	941	926	926
Total :	5,115	4,880	4,731	4,118	3,862	3,872	3,891
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	4	4	4	4	4	4	4
Aircraft Parts	14	15	13	12	11	10	10
Ammunition	9	9	8	7	6	6	6
Communication Equipment	43	43	37	34	32	32	33
Missiles	12	12	11	10	10	10	11
Motor Vehicles	58	43	24	15	9	8	9
Shipbuilding	21	28	31	19	20	23	18
Tanks	6	4	2	1	1	1	2
Other Electronic Equipment	6	6	6	5	5	5	5
Other Ordinances	3	3	2	2	2	2	2
Other	1,366	1,289	1,163	936	840	825	826
Total :	1,542	1,456	1,302	1,045	941	926	926

Note: numbers may not add due to rounding

**Table 46 Projected Defense Purchases of
331 Hospitals**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,661	4,439	4,623	4,408	4,283	4,343	4,373
Indirect Purchases	11	11	10	10	10	11	11
Total :	4,672	4,450	4,633	4,419	4,293	4,355	4,384
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	11	11	10	10	10	11	11
Total :	11	11	10	10	10	11	11

Note: numbers may not add due to rounding

Table 47 Projected Defense Purchases of**351 Postal service**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,791	2,596	2,275	1,873	1,717	1,698	1,698
Indirect Purchases	2,548	2,459	2,227	1,842	1,700	1,684	1,687
Total :	5,339	5,055	4,502	3,715	3,417	3,382	3,385
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	11	11	10	10	9	9	9
Aircraft Parts	31	33	29	26	25	23	23
Ammunition	6	6	5	5	4	4	4
Communication Equipment	78	78	68	62	59	58	60
Missiles	33	34	29	29	28	28	30
Motor Vehicles	12	9	5	3	2	2	2
Shipbuilding	36	48	54	32	34	39	32
Tanks	14	10	5	3	2	3	4
Other Electronic Equipment	8	8	7	7	6	6	6
Other Ordinances	5	5	4	4	4	3	4
Other	2,314	2,219	2,010	1,662	1,526	1,509	1,514
Total :	2,548	2,459	2,227	1,842	1,700	1,684	1,687

Note: numbers may not add due to rounding

**Table 48 Projected Defense Purchases of
306 Computer systems design services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,072	3,863	3,452	2,752	2,476	2,431	2,432
Indirect Purchases	1,087	1,071	968	812	758	754	753
Total :	5,159	4,934	4,420	3,564	3,234	3,184	3,185
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	14	15	13	12	12	12	12
Aircraft Parts	27	29	26	22	21	20	20
Ammunition	5	5	5	4	4	3	4
Communication Equipment	151	149	131	121	116	115	120
Missiles	38	39	34	33	32	32	34
Motor Vehicles	8	6	4	2	1	1	1
Shipbuilding	44	57	65	39	41	47	39
Tanks	12	8	4	3	2	2	3
Other Electronic Equipment	7	7	7	6	6	6	6
Other Ordinances	5	5	4	4	4	4	4
Other	776	751	677	565	518	510	511
Total :	1,087	1,071	968	812	758	754	753

Note: numbers may not add due to rounding

**Table 49 Projected Defense Purchases of
92 Printing**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,178	3,112	2,699	2,402	2,268	2,265	2,292
Indirect Purchases	1,611	1,580	1,428	1,193	1,108	1,099	1,102
Total :	4,789	4,692	4,127	3,595	3,376	3,364	3,393
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	10	11	10	9	9	9	9
Aircraft Parts	23	24	22	19	18	17	17
Ammunition	5	5	5	4	3	3	4
Communication Equipment	81	81	70	65	62	61	63
Missiles	40	42	36	35	34	34	36
Motor Vehicles	9	7	4	2	1	1	1
Shipbuilding	31	40	45	27	29	33	27
Tanks	11	7	4	2	2	2	3
Other Electronic Equipment	7	7	6	6	5	5	5
Other Ordinances	5	4	4	4	3	3	3
Other	1,391	1,353	1,223	1,020	941	930	933
Total :	1,611	1,580	1,428	1,193	1,108	1,099	1,102

Note: numbers may not add due to rounding

Table 50 Projected Defense Purchases of
302 Accounting, tax preparation, bookkeeping, and payroll services
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	253	252	241	208	195	197	197
Indirect Purchases	4,316	4,225	3,817	3,152	2,919	2,896	2,887
Total :	4,570	4,477	4,057	3,360	3,115	3,093	3,084
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	41	44	40	37	36	35	35
Aircraft Parts	86	89	80	70	67	63	62
Ammunition	19	19	17	15	13	13	14
Communication Equipment	281	278	243	223	214	211	219
Missiles	111	115	99	98	94	95	101
Motor Vehicles	32	24	14	9	5	5	5
Shipbuilding	143	187	211	126	135	154	126
Tanks	51	36	17	12	9	10	14
Other Electronic Equipment	24	24	22	21	20	19	19
Other Ordinances	16	15	13	12	11	11	11
Other	3,514	3,393	3,060	2,530	2,315	2,280	2,282
Total :	4,316	4,225	3,816	3,152	2,919	2,896	2,887

Note: numbers may not add due to rounding

**Table 51 Projected Defense Purchases of
152 Ammunition**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,366	4,377	3,955	3,331	2,995	2,938	3,126
Indirect Purchases	25	26	22	19	18	18	19
Total :	4,391	4,403	3,977	3,350	3,013	2,956	3,146
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	23	24	21	18	16	16	18
Communication Equipment	1	1	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	0	0	0
Other	1	1	0	0	0	0	0
Total :	25	26	22	19	18	18	19

Note: numbers may not add due to rounding

**Table 52 Projected Defense Purchases of
305 Custom computer programming services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,891	3,727	3,248	2,515	2,200	2,151	2,160
Indirect Purchases	819	809	725	638	602	593	606
Total :	4,710	4,535	3,973	3,153	2,801	2,744	2,765
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	23	21	19	19	18	18
Aircraft Parts	46	48	43	37	36	34	33
Ammunition	45	45	41	35	31	31	32
Communication Equipment	243	240	211	195	188	186	193
Missiles	23	24	21	21	20	20	21
Motor Vehicles	2	2	1	1	0	0	0
Shipbuilding	5	7	8	5	5	5	4
Tanks	4	3	2	1	1	1	1
Other Electronic Equipment	12	12	11	9	9	8	8
Other Ordinances	51	48	42	39	37	36	38
Other	366	359	326	276	257	253	255
Total :	819	808	725	638	602	593	606

Note: numbers may not add due to rounding

**Table 53 Projected Defense Purchases of
286 Data processing, hosting and internet service providers**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	626	603	536	421	377	375	378
Indirect Purchases	3,643	3,615	3,282	2,716	2,538	2,526	2,506
Total :	4,269	4,218	3,818	3,137	2,915	2,901	2,884
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	44	47	43	39	39	37	38
Aircraft Parts	94	98	88	77	74	70	68
Ammunition	19	19	18	15	13	13	14
Communication Equipment	391	385	338	313	300	297	308
Missiles	112	116	100	99	94	96	101
Motor Vehicles	27	21	12	7	4	4	4
Shipbuilding	200	262	296	176	190	215	177
Tanks	44	31	15	10	8	9	12
Other Electronic Equipment	23	23	22	20	19	18	18
Other Ordinances	18	17	15	14	13	13	13
Other	2,670	2,595	2,336	1,945	1,784	1,753	1,753
Total :	3,643	3,615	3,282	2,716	2,538	2,526	2,506

Note: numbers may not add due to rounding

**Table 54 Projected Defense Purchases of
75 Apparel accessories and other apparel**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,484	3,247	3,291	2,835	2,722	2,719	2,706
Indirect Purchases	242	227	230	200	192	192	192
Total :	3,726	3,475	3,521	3,035	2,914	2,911	2,898
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	241	227	229	199	192	192	191
Total :	242	227	230	200	192	192	192

Note: numbers may not add due to rounding

Table 55 Projected Defense Purchases of**29 Natural gas distribution**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	980	914	796	643	584	576	576
Indirect Purchases	2,889	2,785	2,549	2,120	1,966	1,946	1,943
Total :	3,868	3,699	3,345	2,764	2,550	2,522	2,519
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	29	31	29	26	26	25	25
Aircraft Parts	87	91	82	71	68	64	62
Ammunition	43	44	40	33	30	29	31
Communication Equipment	123	122	107	98	94	92	95
Missiles	54	56	48	48	45	46	48
Motor Vehicles	40	30	17	11	7	6	6
Shipbuilding	79	103	116	69	74	83	68
Tanks	40	28	14	9	7	8	11
Other Electronic Equipment	16	16	16	15	14	13	13
Other Ordinances	20	18	16	15	14	14	14
Other	2,356	2,245	2,065	1,725	1,587	1,566	1,570
Total :	2,889	2,785	2,549	2,120	1,966	1,946	1,943

Note: numbers may not add due to rounding

Table 56 Projected Defense Purchases of
74 Cut and sew apparel
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,860	2,752	2,837	2,515	2,454	2,464	2,456
Indirect Purchases	404	388	374	320	303	302	302
Total :	3,264	3,140	3,211	2,834	2,757	2,766	2,758
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	2	2	2	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	6	6	5	5	5	5	5
Missiles	2	2	2	2	2	2	2
Motor Vehicles	1	1	0	0	0	0	0
Shipbuilding	3	4	4	3	3	3	2
Tanks	1	1	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0	0
Other	387	371	358	306	290	289	289
Total :	404	388	374	320	303	302	302

Note: numbers may not add due to rounding

**Table 57 Projected Defense Purchases of
200 Semiconductors and electron tubes**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	107	116	104	79	72	71	71
Indirect Purchases	3,446	3,447	3,033	2,639	2,487	2,451	2,483
Total :	3,553	3,563	3,137	2,718	2,559	2,522	2,554
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	27	29	26	24	24	23	23
Aircraft Parts	87	91	81	71	68	64	62
Ammunition	23	23	21	18	16	15	16
Communication Equipment	1,309	1,307	1,129	1,029	985	966	993
Missiles	317	331	285	283	269	273	289
Motor Vehicles	37	28	16	10	6	6	6
Shipbuilding	93	121	137	82	88	99	81
Tanks	28	20	9	7	5	6	7
Other Electronic Equipment	299	300	281	261	247	240	242
Other Ordinances	16	15	14	13	12	12	12
Other	1,210	1,182	1,033	844	768	747	751
Total :	3,446	3,447	3,033	2,639	2,487	2,451	2,483

Note: numbers may not add due to rounding

**Table 58 Projected Defense Purchases of
280 Software publishers**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	773	709	597	479	431	467	588
Indirect Purchases	2,885	2,901	2,525	2,163	2,043	2,030	2,060
Total :	3,658	3,610	3,122	2,642	2,475	2,497	2,648
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	2	3	2	2	2	2	2
Aircraft Parts	16	16	15	13	12	12	11
Ammunition	10	10	9	7	7	7	7
Communication Equipment	1,656	1,648	1,420	1,282	1,223	1,205	1,243
Missiles	200	207	178	176	167	170	180
Motor Vehicles	29	22	11	7	4	4	5
Shipbuilding	125	163	185	110	119	135	111
Tanks	4	3	1	1	1	1	1
Other Electronic Equipment	26	26	25	23	21	20	20
Other Ordinances	3	3	2	2	2	2	2
Other	814	801	676	539	485	472	478
Total :	2,885	2,901	2,525	2,163	2,043	2,030	2,060

Note: numbers may not add due to rounding

**Table 59 Projected Defense Purchases of
292 Insurance agencies, brokerages, and related activities**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	128	121	127	122	118	120	121
Indirect Purchases	3,278	3,136	2,940	2,545	2,413	2,401	2,401
Total :	3,406	3,257	3,067	2,666	2,531	2,521	2,522
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	10	11	10	9	9	9	9
Aircraft Parts	26	27	24	21	20	19	19
Ammunition	5	5	5	4	4	4	4
Communication Equipment	70	69	60	55	53	52	54
Missiles	33	34	29	29	27	28	29
Motor Vehicles	10	8	4	3	2	2	2
Shipbuilding	37	49	55	33	35	40	33
Tanks	11	8	4	3	2	2	3
Other Electronic Equipment	7	7	6	6	5	5	5
Other Ordinances	4	4	4	3	3	3	3
Other	3,064	2,914	2,738	2,378	2,252	2,237	2,240
Total :	3,278	3,136	2,940	2,545	2,413	2,401	2,401

Note: numbers may not add due to rounding

**Table 60 Projected Defense Purchases of
299 Commercial and industrial machinery and equipment rental and leasing**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	394	412	368	284	254	252	252
Indirect Purchases	3,058	2,933	2,665	2,201	2,030	2,008	2,016
Total :	3,452	3,345	3,033	2,485	2,283	2,260	2,267
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	14	15	14	13	13	12	12
Aircraft Parts	45	47	42	37	35	33	32
Ammunition	11	11	10	8	7	7	8
Communication Equipment	111	110	96	88	85	83	86
Missiles	41	43	37	36	35	35	37
Motor Vehicles	18	14	8	5	3	3	3
Shipbuilding	51	67	76	45	49	55	45
Tanks	19	13	6	4	3	4	5
Other Electronic Equipment	12	12	12	11	10	10	10
Other Ordinances	8	7	6	6	6	5	6
Other	2,728	2,594	2,359	1,947	1,785	1,760	1,772
Total :	3,058	2,933	2,665	2,201	2,030	2,008	2,016

Note: numbers may not add due to rounding

**Table 61 Projected Defense Purchases of
289 Nondepository credit intermediation and related activities**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	21	20	18	15	13	13	13
Indirect Purchases	3,372	3,276	2,979	2,452	2,275	2,262	2,252
Total :	3,393	3,296	2,997	2,467	2,288	2,276	2,265
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	29	31	28	26	25	25	25
Aircraft Parts	73	76	68	59	57	54	52
Ammunition	15	15	13	11	10	10	10
Communication Equipment	179	177	155	142	136	135	139
Missiles	87	91	78	77	74	75	79
Motor Vehicles	30	22	12	8	5	4	5
Shipbuilding	131	172	194	116	124	141	116
Tanks	36	25	12	8	6	7	10
Other Electronic Equipment	17	17	16	15	14	13	13
Other Ordinances	12	11	10	9	9	8	9
Other	2,763	2,639	2,392	1,980	1,814	1,790	1,794
Total :	3,372	3,276	2,979	2,452	2,275	2,262	2,252

Note: numbers may not add due to rounding

Table 62 Projected Defense Purchases of**327 Other educational services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,503	3,341	2,910	2,220	1,959	1,929	1,943
Indirect Purchases	88	86	77	63	58	58	58
Total :	3,591	3,427	2,987	2,283	2,017	1,987	2,001
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	3	3	2	2	2	2	2
Missiles	1	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	1	2	2	1	1	1	1
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	81	78	70	57	53	52	53
Total :	88	86	77	63	58	58	58

Note: numbers may not add due to rounding

**Table 63 Projected Defense Purchases of
318 Business support services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	361	339	279	193	158	155	157
Indirect Purchases	2,973	2,969	2,694	2,255	2,113	2,108	2,102
Total :	3,334	3,308	2,974	2,448	2,271	2,263	2,258
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	54	58	53	49	48	46	46
Aircraft Parts	97	101	91	79	76	72	70
Ammunition	17	17	15	13	11	11	12
Communication Equipment	262	260	227	208	200	198	204
Missiles	303	316	272	268	256	260	276
Motor Vehicles	19	14	8	5	3	3	3
Shipbuilding	155	204	230	137	148	168	138
Tanks	31	22	11	7	5	6	8
Other Electronic Equipment	14	14	13	12	12	11	11
Other Ordinances	17	16	14	13	12	12	13
Other	2,002	1,947	1,761	1,463	1,342	1,321	1,321
Total :	2,973	2,969	2,694	2,255	2,113	2,108	2,102

Note: numbers may not add due to rounding

Table 64 Projected Defense Purchases of**234 Motor vehicle parts**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	350	348	277	149	103	103	105
Indirect Purchases	3,648	3,306	2,670	2,106	1,862	1,834	1,842
Total :	3,998	3,655	2,947	2,255	1,965	1,937	1,947
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	23	21	19	19	18	18
Aircraft Parts	53	55	49	43	41	39	38
Ammunition	8	8	7	6	5	5	6
Communication Equipment	146	146	126	116	111	109	112
Missiles	39	41	35	35	33	34	36
Motor Vehicles	513	386	213	135	83	78	84
Shipbuilding	110	143	161	96	102	114	92
Tanks	16	11	5	4	3	3	4
Other Electronic Equipment	19	19	18	16	15	15	15
Other Ordinances	8	8	7	6	6	6	6
Other	2,714	2,466	2,026	1,630	1,444	1,413	1,432
Total :	3,648	3,306	2,670	2,106	1,862	1,833	1,842

Note: numbers may not add due to rounding

Table 65 Projected Defense Purchases of**119 Other plastics products**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	76	79	73	56	50	50	50
Indirect Purchases	3,183	3,145	2,837	2,338	2,186	2,163	2,161
Total :	3,259	3,224	2,910	2,394	2,237	2,213	2,211
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	20	21	20	18	18	17	17
Aircraft Parts	357	373	333	290	279	264	257
Ammunition	34	34	30	26	23	23	24
Communication Equipment	244	243	210	190	181	178	184
Missiles	73	76	65	65	61	62	66
Motor Vehicles	42	32	19	12	7	7	7
Shipbuilding	156	204	230	137	148	168	137
Tanks	57	40	19	13	10	12	15
Other Electronic Equipment	23	23	22	20	19	18	18
Other Ordinances	23	21	19	18	17	16	17
Other	2,154	2,077	1,870	1,549	1,423	1,398	1,417
Total :	3,183	3,145	2,837	2,338	2,186	2,163	2,161

Note: numbers may not add due to rounding

**Table 66 Projected Defense Purchases of
274 Couriers and messengers**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	81	76	77	70	67	68	68
Indirect Purchases	3,227	3,104	2,819	2,321	2,138	2,118	2,119
Total :	3,307	3,180	2,895	2,391	2,205	2,186	2,188
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	14	15	14	13	12	12	12
Aircraft Parts	45	47	42	37	35	33	32
Ammunition	9	9	8	7	6	6	6
Communication Equipment	100	99	86	79	76	74	77
Missiles	41	42	37	36	34	35	37
Motor Vehicles	18	13	7	5	3	3	3
Shipbuilding	48	62	70	42	45	51	42
Tanks	18	13	6	4	3	4	5
Other Electronic Equipment	11	11	11	10	9	9	9
Other Ordinances	7	6	6	5	5	5	5
Other	2,917	2,787	2,533	2,084	1,909	1,887	1,892
Total :	3,227	3,104	2,819	2,321	2,138	2,118	2,119

Note: numbers may not add due to rounding

**Table 67 Projected Defense Purchases of
321 Other support services**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,184	1,103	1,002	789	714	713	715
Indirect Purchases	2,098	2,093	1,885	1,591	1,488	1,480	1,484
Total :	3,281	3,197	2,888	2,380	2,202	2,193	2,199
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	27	29	27	25	24	23	23
Aircraft Parts	61	63	57	49	48	45	44
Ammunition	10	10	9	8	7	7	7
Communication Equipment	181	179	156	143	138	136	141
Missiles	211	219	189	187	178	181	192
Motor Vehicles	11	9	5	3	2	2	2
Shipbuilding	74	97	110	66	71	80	66
Tanks	17	12	6	4	3	3	5
Other Electronic Equipment	8	8	7	7	6	6	6
Other Ordinances	11	10	9	8	8	7	8
Other	1,486	1,456	1,311	1,091	1,004	989	991
Total :	2,098	2,093	1,885	1,591	1,488	1,480	1,484

Note: numbers may not add due to rounding

Table 68 Projected Defense Purchases of
329 Medical and diagnostic labs and outpatient and other ambulatory care services
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,706	2,538	2,571	2,367	2,266	2,293	2,308
Indirect Purchases	331	312	314	288	276	279	281
Total :	3,037	2,850	2,885	2,654	2,542	2,572	2,589
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	1	1	0	0	0	0	0
Missiles	1	1	1	0	0	0	1
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	329	310	312	286	274	278	280
Total :	331	312	314	288	276	279	281

Note: numbers may not add due to rounding

**Table 69 Projected Defense Purchases of
147 Plate work and fabricated structural products**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	325	328	282	189	152	145	146
Indirect Purchases	2,814	2,777	2,527	1,984	1,816	1,794	1,758
Total :	3,139	3,105	2,810	2,173	1,968	1,939	1,904
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	16	17	16	14	14	14	14
Aircraft Parts	324	338	301	263	252	239	233
Ammunition	22	22	20	16	15	14	15
Communication Equipment	41	40	35	32	31	31	32
Missiles	127	132	114	112	107	109	115
Motor Vehicles	25	21	14	8	5	5	5
Shipbuilding	192	251	283	169	181	206	169
Tanks	31	22	10	7	5	6	8
Other Electronic Equipment	6	6	6	5	5	5	5
Other Ordinances	18	16	14	13	13	12	13
Other	2,014	1,912	1,715	1,343	1,187	1,154	1,149
Total :	2,814	2,777	2,527	1,984	1,816	1,794	1,758

Note: numbers may not add due to rounding

**Table 70 Projected Defense Purchases of
326 Junior colleges, colleges, universities, and professional schools**
(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,053	2,951	2,648	2,187	1,972	1,914	1,858
Indirect Purchases	137	134	121	103	96	96	98
Total :	3,191	3,085	2,770	2,290	2,069	2,010	1,956
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	2	2	2	2	2	2	2
Missiles	1	1	1	1	1	1	1
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	1	2	2	1	1	1	1
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	130	126	115	97	91	91	92
Total :	137	134	121	103	96	96	98

Note: numbers may not add due to rounding

**Table 71 Projected Defense Purchases of
309 Environmental and other technical consulting services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,946	1,837	1,583	1,167	1,017	996	996
Indirect Purchases	1,294	1,291	1,167	969	903	897	888
Total :	3,240	3,128	2,750	2,136	1,920	1,893	1,884
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	20	21	19	18	17	17	17
Aircraft Parts	18	19	17	15	14	13	13
Ammunition	4	4	4	3	3	3	3
Communication Equipment	64	64	55	51	49	48	50
Missiles	31	33	28	28	26	27	29
Motor Vehicles	6	4	2	1	1	1	1
Shipbuilding	59	77	87	52	56	64	52
Tanks	12	8	4	3	2	2	3
Other Electronic Equipment	5	5	5	4	4	4	4
Other Ordinances	4	4	3	3	3	3	3
Other	1,071	1,052	942	791	728	715	714
Total :	1,294	1,291	1,167	969	903	897	888

Note: numbers may not add due to rounding

Table 72 Projected Defense Purchases of**316 Office administrative services**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	716	674	598	455	404	401	403
Indirect Purchases	2,296	2,260	2,039	1,693	1,568	1,553	1,545
Total :	3,012	2,934	2,637	2,148	1,971	1,954	1,948
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	22	20	19	18	18	18
Aircraft Parts	27	28	25	22	21	20	19
Ammunition	6	6	5	5	4	4	4
Communication Equipment	98	97	85	78	74	73	76
Missiles	44	46	40	39	37	38	40
Motor Vehicles	9	7	4	2	1	1	1
Shipbuilding	69	90	102	61	65	74	61
Tanks	14	10	5	3	2	3	4
Other Electronic Equipment	7	7	7	6	6	5	5
Other Ordinances	5	5	4	4	4	4	4
Other	1,997	1,942	1,743	1,455	1,334	1,313	1,313
Total :	2,296	2,260	2,039	1,693	1,568	1,553	1,546

Note: numbers may not add due to rounding

**Table 73 Projected Defense Purchases of
239 Propulsion units and parts for space vehicles and guided missiles**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,440	1,402	1,202	1,144	1,083	1,093	1,145
Indirect Purchases	1,594	1,644	1,416	1,386	1,319	1,338	1,415
Total :	3,033	3,046	2,618	2,530	2,401	2,431	2,559
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	12	13	11	10	9	9	9
Ammunition	6	6	6	5	4	4	4
Communication Equipment	57	56	49	46	44	44	46
Missiles	1,457	1,510	1,299	1,281	1,220	1,240	1,315
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	1	1	1	0	0	1	0
Tanks	7	5	2	2	1	1	2
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	14	13	11	10	10	10	10
Other	40	41	36	31	29	28	28
Total :	1,594	1,644	1,416	1,386	1,319	1,338	1,415

Note: numbers may not add due to rounding

**Table 74 Projected Defense Purchases of
244 Military armored vehicles, tanks, and tank components**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,428	4,815	2,518	1,772	1,343	1,415	1,781
Indirect Purchases	276	196	95	66	50	57	76
Total :	6,705	5,012	2,613	1,837	1,392	1,472	1,857
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	275	195	93	64	48	56	75
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	1	1	1	1	1	1	1
Total :	276	196	95	66	50	57	76

Note: numbers may not add due to rounding

**Table 75 Projected Defense Purchases of
343 Commercial and industrial machinery and equipment repair and maintenance**

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,054	1,035	944	814	744	731	739
Indirect Purchases	1,866	1,820	1,650	1,350	1,245	1,232	1,226
Total :	2,920	2,855	2,594	2,165	1,990	1,963	1,964
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	18	19	18	16	16	15	15
Aircraft Parts	39	40	36	32	30	29	28
Ammunition	15	15	14	11	10	10	11
Communication Equipment	115	113	99	91	87	86	89
Missiles	38	39	34	33	32	32	34
Motor Vehicles	20	15	9	5	3	3	3
Shipbuilding	68	89	100	60	64	73	59
Tanks	22	15	7	5	4	4	6
Other Electronic Equipment	13	14	13	12	11	11	11
Other Ordinances	9	8	7	7	6	6	6
Other	1,509	1,452	1,313	1,078	981	963	964
Total :	1,866	1,820	1,649	1,351	1,245	1,232	1,226

Note: numbers may not add due to rounding

SECTION III: INDIVIDUAL STATE PROJECTIONS (RDEPPS)

The tables in this section give state-level estimates of defense and defense-related expenditures in calendar years 2011 through 2017. A separate table is provided for each of the 50 states and the District of Columbia; an additional table is provided for the United States as a whole. The tables are divided into two sections. The first section of each table presents estimates of direct defense purchases and pay and of indirect defense purchases for each year of the projection period (for purposes of comparison, projections of nondefense expenditures and of total output—total economic activity—also are provided). The second section provides estimates of the dollar value of direct and indirect purchases from the five industrial sectors projected to lead in defense sales in the state, and the five projected to lead in indirect sales stemming from DoD purchases, during the forecast period.

The industrial *sectors* represented in the tables are aggregates of the *industries* covered in Section II. Industrial projections are made for 360 industries. For purposes of the state-level reports, these are grouped into 111 industrial sectors. For example, industrial sector 54, “Aerospace products and parts,” used in the state tables, includes five industries: industry 235, “Aircraft”; industry 236, “Aircraft engines and engine parts”; industry 237, “Other aircraft parts and auxiliary equipment”; industry 238, “Guided Missiles and Space Vehicles”; and industry 239, “Propulsion units and parts for space vehicles and guided missiles.”

Relationship of the *RDEPPS* State Level Projections to the *IDEPPS* National Projections

IDEPPS’ treatment of defense expenditures differs from that of *RDEPPS* in several important ways, due to differences in the conceptual rationale for each module. *IDEPPS* is designed to investigate economy-wide effects of the defense budget, by simultaneously determining domestic production, imports, and indirect purchases by industry. *RDEPPS* is designed to investigate domestic effects of expenditures by state, including military retirement disbursements. Therefore, *RDEPPS* includes *only* that part of active duty and retirement pay spent domestically, making an explicit adjustment for pay that is sent abroad. Retirement pay is treated on a disbursement basis in *RDEPPS*, whereas it is treated on an accrual basis in *IDEPPS*. The *RDEPPS* measure of total direct defense expenditures is made smaller by the removal of pay sent abroad, but is made larger by the fact that retirement disbursements currently exceed accruals. The net effect is that *RDEPPS* projections of total direct spending are *larger* than the comparable *IDEPPS* projections.

Table 1 Alabama Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	18,660	18,712	17,768	15,343	14,594	14,500	14,316
Indirect Defense Purchases Resulting from Direct Purchases	8,586	8,420	7,701	6,575	6,142	6,037	5,977
Induced Defense Purchases Resulting from Direct Pay	2,318	2,391	2,461	2,293	2,296	2,270	2,250
Total Nondefense Expenditures	452,186	468,083	483,278	496,484	512,297	528,978	546,209
Total Output	482,393	498,257	511,843	521,254	535,870	552,318	569,281
General government industry	4,496	4,751	5,024	4,858	4,946	4,986	5,002
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	6,017	5,946	5,409	4,766	4,417	4,288	4,214
Ship and boat building	647	851	964	570	617	704	577
Petroleum and coal products	995	923	855	699	629	628	630
Administrative and support services	873	832	726	566	493	476	466
New construction	883	833	722	521	442	429	426
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	2,328	2,272	2,094	1,772	1,652	1,628	1,609
Administrative and support services	1,602	1,609	1,492	1,376	1,310	1,277	1,251
Fabricated metal products	275	268	236	190	175	173	172
Iron and steel	244	238	210	162	148	145	140
Nonferrous metals	222	215	188	156	145	139	140

Note: Numbers may not add to totals due to roundings.

Table 2 Alaska Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	6,256	6,019	5,682	4,902	4,692	4,678	4,683
Indirect Defense Purchases Resulting from Direct Purchases	3,511	3,396	3,134	2,632	2,450	2,445	2,461
Induced Defense Purchases Resulting from Direct Pay	1,044	1,075	1,106	1,030	1,029	1,016	1,006
Total Nondefense Expenditures	160,932	167,199	173,310	179,699	186,377	192,875	199,586
Total Output	172,352	178,303	183,839	188,804	195,073	201,533	208,252
General government industry	2,911	2,864	2,813	2,630	2,644	2,655	2,660
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	584	553	486	350	293	281	278
Apparel	463	426	446	414	409	410	409
Administrative and support services	480	448	380	266	226	222	222
Petroleum and coal products	308	286	265	217	196	196	196
Professional, scientific and technical services	213	213	190	156	142	139	137
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	1,525	1,461	1,384	1,189	1,116	1,120	1,136
Administrative and support services	882	867	782	646	599	596	596
Pipeline transportation	225	212	194	161	148	147	148
Professional, scientific and technical services	83	81	74	58	53	53	53
Petroleum and coal products	84	79	73	60	55	55	55

Note: Numbers may not add to totals due to roundings.

Table 3 Arizona Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	20,271	20,027	18,450	16,298	15,519	15,415	15,608
Indirect Defense Purchases Resulting from Direct Purchases	6,725	6,636	5,980	5,017	4,686	4,640	4,644
Induced Defense Purchases Resulting from Direct Pay	1,904	1,963	2,020	1,881	1,883	1,860	1,843
Total Nondefense Expenditures	538,230	553,237	570,261	587,982	605,949	625,061	645,241
Total Output	567,128	581,878	596,821	611,238	628,113	647,070	667,405
General government industry	3,713	3,744	3,785	3,654	3,705	3,739	3,760
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	4,322	4,456	3,922	3,362	3,210	3,167	3,301
Professional, scientific and technical services	3,370	3,426	3,016	2,725	2,564	2,515	2,510
Hospitals	809	770	802	765	743	754	759
Offices of physicians, dentists, and other health practioners	680	635	623	550	519	524	527
Fabricated metal products	706	685	610	536	498	491	519
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,304	1,309	1,168	1,013	959	955	959
Administrative and support services	585	576	519	428	397	395	395
Real estate	354	342	311	261	242	240	240
Other repair and maintenance, personal services	347	337	297	211	186	186	182
Management of companies and enterprises	311	307	276	234	219	217	219

Note: Numbers may not add to totals due to roundings.

Table 4 Arkansas Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,674	3,587	3,443	3,036	2,912	2,913	2,940
Indirect Defense Purchases Resulting from Direct Purchases	2,579	2,514	2,272	1,872	1,735	1,712	1,705
Induced Defense Purchases Resulting from Direct Pay	903	932	960	895	896	885	876
Total Nondefense Expenditures	201,179	208,662	215,418	222,353	229,727	237,657	245,786
Total Output	208,380	215,741	222,132	228,179	235,290	243,188	251,326
General government industry	1,423	1,438	1,456	1,409	1,429	1,443	1,451
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Fabricated metal products	475	461	411	361	335	331	350
New construction	288	271	243	174	143	135	132
Truck transportation	189	172	155	126	114	113	113
Wholesale trade	98	106	110	78	70	72	71
Maintenance and repair construction	101	91	80	62	55	54	54
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	228	222	195	157	145	143	143
Management of companies and enterprises	220	217	195	166	155	154	155
Iron and steel	156	153	135	104	95	93	90
Nonferrous metals	143	138	121	100	93	89	90
Wholesale trade	136	134	120	99	92	91	91

Note: Numbers may not add to totals due to roundings.

Table 5 California Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	80,363	79,600	74,697	65,596	62,708	62,328	62,362
Indirect Defense Purchases Resulting from Direct Purchases	43,648	42,661	38,777	32,505	30,279	29,958	29,918
Induced Defense Purchases Resulting from Direct Pay	11,722	12,094	12,452	11,611	11,626	11,484	11,379
Total Nondefense Expenditures	3,614,425	3,738,000	3,848,987	3,957,751	4,084,271	4,224,779	4,370,955
Total Output	3,749,733	3,871,686	3,974,257	4,067,356	4,188,743	4,328,346	4,474,578
General government industry	15,778	16,261	16,789	16,150	16,394	16,524	16,585
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	15,624	15,514	14,073	12,565	11,702	11,366	11,194
Aerospace products and parts	10,691	10,970	9,608	8,686	8,405	8,257	8,604
Petroleum and coal products	3,824	3,496	3,325	2,909	2,736	2,733	2,748
New construction	3,605	3,382	3,002	2,160	1,799	1,713	1,694
Communications and audio-video equipment	3,402	3,378	2,993	2,684	2,536	2,448	2,408
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	6,044	5,929	5,448	4,671	4,378	4,316	4,276
Management of companies and enterprises	3,100	3,059	2,744	2,329	2,183	2,165	2,177
Real estate	2,960	2,867	2,606	2,190	2,028	2,009	2,009
Petroleum and coal products	2,449	2,325	2,128	1,763	1,620	1,604	1,605
Wholesale trade	2,179	2,134	1,919	1,580	1,472	1,461	1,461

Note: Numbers may not add to totals due to roundings.

Table 6 Colorado Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,873	14,623	13,673	12,244	11,775	11,687	11,747
Indirect Defense Purchases Resulting from Direct Purchases	7,256	7,093	6,465	5,454	5,091	5,044	5,044
Induced Defense Purchases Resulting from Direct Pay	2,486	2,565	2,644	2,466	2,467	2,435	2,412
Total Nondefense Expenditures	457,337	474,934	490,361	505,023	521,777	540,437	559,542
Total Output	482,055	499,314	513,201	525,237	541,162	559,659	578,796
General government industry	5,358	5,349	5,346	5,101	5,155	5,194	5,216
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,080	3,072	2,775	2,498	2,335	2,271	2,242
Aerospace products and parts	1,314	1,358	1,171	1,086	1,061	1,047	1,110
Telecommunications	854	796	712	579	531	528	529
Computer systems design and related services	566	554	513	473	442	430	428
New construction	599	562	504	361	298	282	278
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,191	1,174	1,074	929	874	862	856
Crude oil extraction	864	828	784	674	632	634	643
Administrative and support services	668	657	593	490	455	452	451
Telecommunications	469	453	407	336	310	307	307
Management of companies and enterprises	349	344	309	262	246	244	245

Note: Numbers may not add to totals due to roundings.

Table 7 Connecticut Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	13,488	14,522	14,054	11,261	11,145	11,444	10,999
Indirect Defense Purchases Resulting from Direct Purchases	5,517	5,434	4,938	4,198	3,940	3,899	3,897
Induced Defense Purchases Resulting from Direct Pay	920	952	982	918	921	911	904
Total Nondefense Expenditures	379,997	394,198	407,535	420,644	435,719	452,035	468,805
Total Output	399,840	415,000	427,470	437,005	451,721	468,293	484,611
General government industry	672	692	714	692	703	709	712
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Ship and boat building	3,110	4,100	4,655	2,743	2,973	3,399	2,781
Aerospace products and parts	4,964	5,087	4,437	4,092	3,979	3,905	4,075
Professional, scientific and technical services	2,148	2,157	1,943	1,810	1,711	1,664	1,646
Water transportation	236	222	207	177	166	165	166
Wholesale trade	150	165	171	119	107	109	108
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	831	824	752	673	640	632	629
Management of companies and enterprises	695	686	615	522	489	485	488
Aerospace products and parts	417	437	407	382	371	363	371
Insurance	407	393	365	311	292	289	289
Securities, investments, funds and trusts	378	373	341	281	263	263	260

Note: Numbers may not add to totals due to roundings.

Table 8 Delaware Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,429	1,384	1,326	1,169	1,127	1,126	1,128
Indirect Defense Purchases Resulting from Direct Purchases	1,683	1,643	1,496	1,250	1,165	1,156	1,156
Induced Defense Purchases Resulting from Direct Pay	405	418	431	403	403	398	395
Total Nondefense Expenditures	124,783	129,120	132,767	136,624	141,201	146,228	151,395
Total Output	128,314	132,578	136,031	139,454	143,904	148,916	154,080
General government industry	633	634	637	610	617	622	625
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	182	172	149	108	91	88	88
Petroleum and coal products	84	77	73	63	59	59	59
Insurance	77	71	72	67	66	67	67
Apparel	61	56	59	55	54	54	54
Professional, scientific and technical services	46	45	42	38	35	34	33
Indirect Defense Purchases Resulting from Direct Purchases							
Banks, credit cards and finance	334	327	296	246	228	227	226
Management of companies and enterprises	279	275	247	210	197	195	196
Insurance	181	175	162	138	130	129	128
Royalties	118	117	108	89	84	84	84
Petroleum and coal products	96	91	83	69	63	63	63

Note: Numbers may not add to totals due to roundings.

Table 9 District of Columbia Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,534	10,553	9,924	8,445	8,012	7,980	7,992
Indirect Defense Purchases Resulting from Direct Purchases	4,019	3,950	3,547	2,852	2,624	2,613	2,615
Induced Defense Purchases Resulting from Direct Pay	1,353	1,393	1,434	1,336	1,335	1,318	1,305
Total Nondefense Expenditures	224,496	229,765	235,207	239,706	245,971	252,804	259,803
Total Output	240,438	245,697	250,145	252,366	257,967	264,740	271,740
General government industry	3,454	3,610	3,769	3,558	3,603	3,617	3,617
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,847	3,842	3,374	2,670	2,400	2,367	2,359
Fabricated metal products	623	603	537	475	442	437	462
Computer systems design and related services	517	497	451	360	326	324	325
Administrative and support services	425	397	337	236	201	197	197
New construction	181	171	148	107	91	88	88
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,488	1,468	1,306	993	898	899	901
Administrative and support services	780	768	693	574	533	529	528
Legal services	284	279	253	213	199	197	197
Computer systems design and related services	187	184	166	137	126	125	125
Information and data processing	118	116	107	87	80	80	79

Note: Numbers may not add to totals due to roundings.

Table 10 Florida Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	34,600	34,037	31,766	27,823	26,611	26,555	26,785
Indirect Defense Purchases Resulting from Direct Purchases	15,629	15,315	13,838	11,507	10,698	10,605	10,617
Induced Defense Purchases Resulting from Direct Pay	5,791	5,972	6,150	5,733	5,737	5,668	5,615
Total Nondefense Expenditures	1,272,476	1,318,024	1,356,949	1,393,223	1,437,783	1,487,483	1,539,389
Total Output	1,328,597	1,373,437	1,408,785	1,438,370	1,480,905	1,530,385	1,582,484
General government industry	11,186	11,337	11,528	11,209	11,385	11,504	11,575
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	4,194	4,214	3,707	3,064	2,797	2,752	2,744
New construction	2,086	1,955	1,741	1,254	1,042	990	978
Aerospace products and parts	1,862	1,911	1,679	1,508	1,457	1,431	1,489
Search, detection and navigation equipment	1,906	1,861	1,648	1,541	1,486	1,482	1,554
Water transportation	1,282	1,203	1,117	955	893	888	891
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,642	1,617	1,461	1,217	1,130	1,122	1,120
Professional, scientific and technical services	1,622	1,611	1,435	1,139	1,046	1,045	1,048
Real estate	1,274	1,232	1,120	942	872	863	863
Wholesale trade	1,019	997	897	739	688	683	683
Management of companies and enterprises	997	984	883	749	702	696	700

Note: Numbers may not add to totals due to roundings.

Table 11 Georgia Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	23,377	23,136	21,880	19,418	18,822	18,787	18,958
Indirect Defense Purchases Resulting from Direct Purchases	11,224	10,991	9,964	8,275	7,696	7,625	7,626
Induced Defense Purchases Resulting from Direct Pay	5,315	5,483	5,649	5,268	5,273	5,209	5,160
Total Nondefense Expenditures	833,033	862,801	889,332	913,718	942,576	974,255	1,007,347
Total Output	873,069	902,537	927,002	946,792	974,486	1,006,008	1,039,205
General government industry	11,104	11,200	11,304	10,744	10,861	10,930	10,964
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	2,694	2,789	2,412	2,195	2,137	2,111	2,237
Professional, scientific and technical services	1,196	1,215	1,065	913	845	830	831
New construction	1,194	1,123	1,002	718	596	565	557
Air transportation	1,068	1,003	948	829	785	784	786
Administrative and support services	836	780	662	464	393	388	388
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,535	1,509	1,362	1,126	1,045	1,039	1,039
Management of companies and enterprises	788	778	698	592	555	550	553
Wholesale trade	672	658	592	488	454	451	451
Electric utilities	578	567	514	426	397	393	393
Telecommunications	568	548	493	406	375	371	372

Note: Numbers may not add to totals due to roundings.

Table 12 Hawaii Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,619	10,462	10,091	8,874	8,640	8,653	8,640
Indirect Defense Purchases Resulting from Direct Purchases	2,075	2,029	1,834	1,509	1,397	1,387	1,387
Induced Defense Purchases Resulting from Direct Pay	2,300	2,366	2,435	2,267	2,266	2,238	2,216
Total Nondefense Expenditures	165,558	169,683	173,854	177,095	181,751	186,777	191,952
Total Output	180,638	184,625	188,290	189,809	194,112	199,113	204,252
General government industry	6,377	6,390	6,399	6,006	6,053	6,078	6,088
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	803	760	659	475	403	390	388
Petroleum and coal products	451	418	387	316	284	284	285
Professional, scientific and technical services	410	408	367	297	268	262	259
Computer systems design and related services	260	250	228	186	169	167	166
Electric utilities	274	257	220	169	149	147	147
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	353	347	313	258	239	238	238
Electric utilities	282	276	251	208	194	192	192
Professional, scientific and technical services	158	156	142	111	100	99	99
Performing arts, spectator sports and museums	155	151	135	109	101	101	101
Real estate	110	106	96	81	75	74	74

Note: Numbers may not add to totals due to roundings.

Table 13 Idaho Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,440	1,400	1,347	1,202	1,166	1,167	1,170
Indirect Defense Purchases Resulting from Direct Purchases	906	887	806	676	630	622	621
Induced Defense Purchases Resulting from Direct Pay	439	452	466	434	434	428	424
Total Nondefense Expenditures	89,075	92,502	95,486	98,293	101,548	105,114	108,800
Total Output	91,907	95,280	98,131	100,626	103,798	107,348	111,033
General government industry	800	798	798	769	779	786	790
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	141	132	117	85	71	67	66
Truck transportation	54	50	45	36	33	32	32
Apparel	46	42	44	41	40	40	40
Maintenance and repair construction	45	40	35	28	24	24	24
Rail transportation	37	33	30	24	22	22	22
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	87	86	77	65	61	61	61
Semiconductors and other electronic components	63	64	59	52	50	47	46
Real estate	62	60	54	46	42	42	42
Wholesale trade	59	58	52	43	40	40	40
Banks, credit cards and finance	34	33	30	25	23	23	23

Note: Numbers may not add to totals due to roundings.

Table 14 Illinois Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,911	14,288	13,216	11,422	10,737	10,662	10,744
Indirect Defense Purchases Resulting from Direct Purchases	15,157	14,819	13,409	11,073	10,291	10,187	10,155
Induced Defense Purchases Resulting from Direct Pay	3,212	3,317	3,416	3,190	3,198	3,158	3,129
Total Nondefense Expenditures	1,241,919	1,289,516	1,328,881	1,367,054	1,412,311	1,463,179	1,515,515
Total Output	1,275,271	1,322,023	1,359,007	1,392,796	1,436,589	1,487,241	1,539,593
General government industry	2,944	3,076	3,219	3,102	3,154	3,178	3,189
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	964	902	812	583	480	452	445
Air transportation	879	826	781	684	649	648	649
Professional, scientific and technical services	798	790	720	627	578	560	551
Semiconductors and other electronic components	695	689	652	629	591	569	564
Search, detection and navigation equipment	584	572	510	491	479	478	503
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,624	1,602	1,438	1,220	1,144	1,134	1,140
Fabricated metal products	1,248	1,214	1,069	860	795	785	782
Wholesale trade	949	929	836	688	641	636	636
Petroleum and coal products	794	754	690	572	525	520	521
Real estate	771	747	679	571	529	524	524

Note: Numbers may not add to totals due to roundings.

Table 15 Indiana Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	9,524	9,034	8,018	6,876	6,418	6,381	6,468
Indirect Defense Purchases Resulting from Direct Purchases	8,440	8,214	7,350	6,011	5,562	5,484	5,459
Induced Defense Purchases Resulting from Direct Pay	1,785	1,846	1,893	1,765	1,771	1,751	1,736
Total Nondefense Expenditures	616,049	640,353	661,539	682,556	704,991	729,863	755,240
Total Output	635,836	659,499	678,864	697,234	718,770	743,511	768,925
General government industry	1,526	1,630	1,742	1,690	1,724	1,738	1,743
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	1,102	1,098	970	778	702	690	686
Aerospace products and parts	751	774	678	593	569	562	587
Motor vehicles	1,268	924	465	310	192	182	205
Communications and audio-video equipment	486	498	395	361	347	342	358
New construction	379	355	316	228	189	180	178
Indirect Defense Purchases Resulting from Direct Purchases							
Iron and steel	839	822	725	557	511	501	484
Nonferrous metals	766	740	649	538	501	479	481
Fabricated metal products	721	701	618	497	459	453	452
Other chemicals	479	470	428	356	331	329	330
Professional, scientific and technical services	426	420	375	289	263	262	262

Note: Numbers may not add to totals due to roundings.

Table 16 Iowa Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,169	3,083	2,804	2,476	2,348	2,328	2,368
Indirect Defense Purchases Resulting from Direct Purchases	2,841	2,777	2,530	2,093	1,949	1,928	1,918
Induced Defense Purchases Resulting from Direct Pay	702	725	747	698	700	691	684
Total Nondefense Expenditures	240,047	249,796	258,141	266,560	275,883	286,065	296,553
Total Output	246,774	256,398	264,240	271,837	280,890	291,023	301,532
General government industry	473	483	495	483	492	497	500
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Search, detection and navigation equipment	545	533	479	460	448	446	466
Communications and audio-video equipment	296	303	242	221	212	208	217
Professional, scientific and technical services	214	212	195	175	163	158	155
New construction	190	178	159	114	95	90	89
Truck transportation	182	166	150	122	110	109	109
Indirect Defense Purchases Resulting from Direct Purchases							
Insurance	221	214	198	169	159	157	157
Fabricated metal products	207	201	177	142	132	130	129
Wholesale trade	156	152	137	113	105	104	104
Banks, credit cards and finance	112	110	100	83	77	76	76
Other chemicals	106	104	95	79	73	73	73

Note: Numbers may not add to totals due to roundings.

Table 17 Kansas Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	6,768	6,643	6,231	5,556	5,391	5,372	5,428
Indirect Defense Purchases Resulting from Direct Purchases	3,267	3,215	2,921	2,477	2,319	2,298	2,310
Induced Defense Purchases Resulting from Direct Pay	1,487	1,533	1,580	1,473	1,473	1,454	1,439
Total Nondefense Expenditures	224,108	232,359	240,766	249,203	258,284	267,684	277,456
Total Output	235,933	244,104	251,821	258,851	267,603	276,953	286,738
General government industry	3,293	3,262	3,229	3,046	3,070	3,087	3,097
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	1,118	1,150	1,001	922	897	882	925
New construction	333	313	281	201	166	157	154
Professional, scientific and technical services	244	244	217	179	162	159	158
Rail transportation	162	148	133	108	98	97	97
Petroleum and coal products	145	133	127	112	107	106	107
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	427	447	416	390	379	371	379
Administrative and support services	296	292	257	228	215	214	221
Crude oil extraction	220	211	200	172	161	162	164
Telecommunications	205	198	178	146	135	134	134
Wholesale trade	158	155	139	115	107	106	106

Note: Numbers may not add to totals due to roundings.

Table 18 Kentucky Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,593	13,989	13,303	11,653	11,141	11,161	11,216
Indirect Defense Purchases Resulting from Direct Purchases	5,925	5,775	5,186	4,254	3,930	3,887	3,880
Induced Defense Purchases Resulting from Direct Pay	2,299	2,372	2,439	2,271	2,274	2,247	2,226
Total Nondefense Expenditures	502,679	515,540	530,035	546,947	562,188	578,469	595,838
Total Output	525,554	537,740	551,022	565,168	579,573	595,805	613,198
General government industry	4,967	4,874	4,775	4,478	4,504	4,525	4,538
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Hospitals	1,144	1,090	1,135	1,082	1,052	1,067	1,074
Offices of physicians, dentists, and other health practioners	964	900	884	780	737	743	747
Air transportation	843	794	732	622	578	576	577
Administrative and support services	749	698	591	415	353	348	348
New construction	618	583	509	367	309	299	296
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,374	1,351	1,216	1,009	937	932	934
Iron and steel	268	263	232	178	163	160	155
Waste management and remediation	270	258	228	180	163	162	161
Nonferrous metals	245	237	208	172	160	153	154
Transportation support, sightseeing, couriers	217	208	190	158	147	146	146

Note: Numbers may not add to totals due to roundings.

Table 19 Louisiana Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	11,991	11,392	10,709	9,060	8,485	8,446	8,447
Indirect Defense Purchases Resulting from Direct Purchases	10,284	9,917	9,123	7,666	7,124	7,083	7,117
Induced Defense Purchases Resulting from Direct Pay	1,771	1,814	1,863	1,736	1,730	1,701	1,676
Total Nondefense Expenditures	527,860	549,269	568,851	591,387	614,808	639,279	662,913
Total Output	551,962	572,449	590,561	609,878	632,163	656,514	680,169
General government industry	2,534	2,537	2,542	2,420	2,445	2,462	2,471
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	4,457	4,091	3,863	3,325	3,093	3,090	3,105
New construction	1,314	1,239	1,147	808	650	597	582
Water transportation	733	693	642	544	507	504	506
Computer systems design and related services	401	393	349	337	322	316	328
Ship and boat building	205	261	288	178	188	211	177
Indirect Defense Purchases Resulting from Direct Purchases							
Petroleum and coal products	3,327	3,159	2,891	2,395	2,201	2,179	2,181
Crude oil extraction	2,689	2,577	2,441	2,097	1,968	1,975	2,003
Administrative and support services	397	391	353	291	270	269	268
Management of companies and enterprises	310	306	274	233	218	216	218
Other chemicals	297	291	265	220	205	204	204

Note: Numbers may not add to totals due to roundings.

Table 20 Maine Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,399	4,941	5,252	3,917	3,986	4,229	3,878
Indirect Defense Purchases Resulting from Direct Purchases	981	963	874	736	687	680	681
Induced Defense Purchases Resulting from Direct Pay	497	513	528	492	492	487	482
Total Nondefense Expenditures	136,147	138,610	142,074	145,797	149,672	153,861	158,258
Total Output	142,052	145,059	148,740	150,948	154,839	159,257	163,300
General government industry	884	960	1,041	1,011	1,033	1,041	1,044
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Ship and boat building	1,915	2,472	2,772	1,671	1,796	2,033	1,675
Offices of physicians, dentists, and other health practioners	310	290	285	251	237	239	241
Wholesale trade	219	201	213	196	193	193	192
Other ambulatory health care services	223	209	212	195	187	189	190
New construction	155	146	127	92	77	75	74
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	80	84	78	73	71	70	71
Paper	80	78	71	59	55	55	55
Real estate	67	65	59	49	46	45	45
Wholesale trade	61	60	54	44	41	41	41
Management of companies and enterprices	60	59	53	45	42	42	42

Note: Numbers may not add to totals due to roundings.

Table 21 Maryland Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	24,655	24,803	23,432	20,206	19,271	19,200	19,172
Indirect Defense Purchases Resulting from Direct Purchases	10,177	10,001	9,036	7,455	6,919	6,868	6,856
Induced Defense Purchases Resulting from Direct Pay	3,141	3,236	3,332	3,105	3,105	3,067	3,037
Total Nondefense Expenditures	644,795	662,609	680,473	696,126	715,830	737,824	760,447
Total Output	682,803	700,678	716,316	726,934	745,148	766,986	789,524
General government industry	6,677	7,060	7,466	7,173	7,294	7,344	7,360
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	7,191	7,190	6,390	5,406	4,965	4,863	4,827
New construction	1,241	1,173	1,052	761	632	597	587
Search, detection and navigation equipment	839	817	719	641	604	600	623
Aerospace products and parts	770	796	692	614	592	585	617
Ship and boat building	459	603	681	404	436	498	409
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	2,781	2,748	2,474	2,010	1,858	1,847	1,844
Administrative and support services	1,129	1,110	1,001	829	769	764	765
Legal services	1,121	1,100	996	838	781	774	774
Real estate	550	550	499	416	388	386	386
Information and data processing	451	444	408	330	306	306	300

Note: Numbers may not add to totals due to roundings.

Table 22 Massachusetts Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	20,702	20,501	18,601	16,686	15,765	15,458	15,571
Indirect Defense Purchases Resulting from Direct Purchases	10,301	10,096	9,221	7,890	7,404	7,304	7,273
Induced Defense Purchases Resulting from Direct Pay	1,591	1,642	1,691	1,578	1,581	1,564	1,551
Total Nondefense Expenditures	642,664	667,482	689,354	709,908	734,114	761,432	789,281
Total Output	675,139	699,644	718,901	736,067	758,888	785,797	813,697
General government industry	1,336	1,407	1,484	1,436	1,462	1,474	1,479
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	8,386	8,277	7,626	7,069	6,644	6,418	6,286
Aerospace products and parts	2,771	2,864	2,472	2,282	2,229	2,199	2,331
Search, detection and navigation equipment	1,516	1,479	1,323	1,215	1,156	1,143	1,178
Communications and audio-video equipment	776	781	657	599	571	555	562
Telecommunications	682	652	566	472	431	425	433
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	3,244	3,164	2,952	2,628	2,485	2,437	2,401
Management of companies and enterprises	790	780	699	594	556	552	555
Securities, investments, funds and trusts	546	538	492	405	379	379	375
Real estate	495	478	435	366	339	335	335
Wholesale trade	471	461	414	341	318	315	316

Note: Numbers may not add to totals due to roundings.

Table 23 Michigan Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	8,095	7,501	6,570	5,616	5,254	5,256	5,373
Indirect Defense Purchases Resulting from Direct Purchases	8,683	8,441	7,555	6,233	5,781	5,712	5,696
Induced Defense Purchases Resulting from Direct Pay	2,224	2,314	2,366	2,198	2,212	2,191	2,174
Total Nondefense Expenditures	787,505	822,244	848,035	870,625	898,343	931,107	964,775
Total Output	806,570	840,569	864,585	884,705	911,621	944,296	978,043
General government industry	1,499	1,606	1,722	1,677	1,712	1,727	1,733
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Other transportation equipment	1,622	1,188	588	426	325	346	444
Professional, scientific and technical services	620	637	555	499	471	464	466
Apparel	422	389	407	376	371	372	371
New construction	422	393	353	255	210	198	196
Air transportation	382	358	339	296	281	281	281
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,098	1,084	972	825	773	767	771
Fabricated metal products	911	886	780	628	580	573	571
Wholesale trade	550	538	484	399	371	368	369
Motor vehicle parts	565	507	411	323	283	273	270
Real estate	406	392	356	299	277	275	274

Note: Numbers may not add to totals due to roundings.

Table 24 Minnesota Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,733	4,577	4,283	3,674	3,455	3,441	3,467
Indirect Defense Purchases Resulting from Direct Purchases	6,018	5,887	5,330	4,443	4,140	4,095	4,091
Induced Defense Purchases Resulting from Direct Pay	1,144	1,180	1,215	1,133	1,135	1,121	1,111
Total Nondefense Expenditures	471,274	489,884	505,395	520,801	538,472	558,215	578,633
Total Output	483,302	501,663	516,330	530,114	547,257	566,926	587,348
General government industry	721	740	762	744	757	765	770
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Air transportation	463	435	411	359	340	340	341
Fabricated metal products	429	420	373	318	291	287	302
Professional, scientific and technical services	265	266	240	216	203	197	195
Petroleum and coal products	265	242	230	202	191	191	192
New construction	268	249	226	163	133	125	123
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,028	1,014	910	773	724	718	722
Fabricated metal products	474	460	406	326	302	298	297
Petroleum and coal products	412	391	358	296	272	270	270
Wholesale trade	386	378	340	280	261	259	259
Banks, credit cards and finance	301	295	267	221	206	204	204

Note: Numbers may not add to totals due to roundings.

Table 25 Mississippi Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,234	7,734	7,704	6,041	5,993	6,222	5,913
Indirect Defense Purchases Resulting from Direct Purchases	2,845	2,794	2,518	2,102	1,957	1,942	1,945
Induced Defense Purchases Resulting from Direct Pay	1,052	1,085	1,116	1,040	1,042	1,030	1,020
Total Nondefense Expenditures	188,585	195,309	201,611	207,493	214,473	221,966	229,548
Total Output	199,747	206,959	212,978	216,699	223,485	231,178	238,446
General government industry	2,037	2,096	2,161	2,078	2,109	2,126	2,134
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Ship and boat building	1,717	2,262	2,566	1,514	1,639	1,873	1,534
Professional, scientific and technical services	745	786	662	615	590	586	596
Transportation support, sightseeing, couriers	434	419	381	316	296	295	299
New construction	316	298	264	190	158	151	149
Computer systems design and related services	276	264	240	188	169	169	169
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	336	330	298	248	230	229	228
Professional, scientific and technical services	288	301	256	229	221	222	228
Crude oil extraction	190	182	172	148	139	140	142
Petroleum and coal products	114	108	99	82	75	75	75
Management of companies and enterprises	110	109	97	83	77	77	77

Note: Numbers may not add to totals due to roundings.

Table 26 Missouri Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	15,945	15,754	14,432	12,954	12,381	12,252	12,452
Indirect Defense Purchases Resulting from Direct Purchases	7,089	6,953	6,303	5,322	4,973	4,916	4,906
Induced Defense Purchases Resulting from Direct Pay	1,840	1,900	1,956	1,825	1,828	1,806	1,789
Total Nondefense Expenditures	453,001	470,538	486,699	502,517	520,102	539,080	558,480
Total Output	477,910	495,208	509,509	522,666	539,345	558,128	577,679
General government industry	2,730	2,770	2,815	2,702	2,738	2,760	2,771
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,418	3,415	3,096	2,869	2,704	2,625	2,589
Aerospace products and parts	2,886	2,980	2,576	2,376	2,319	2,286	2,417
Search, detection and navigation equipment	1,165	1,139	1,021	980	954	950	994
Fabricated metal products	1,157	1,126	1,003	880	813	800	839
Retail trade	475	457	462	412	393	398	400
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,322	1,305	1,199	1,066	1,012	997	989
Management of companies and enterprises	897	885	794	674	631	626	629
Fabricated metal products	345	335	295	237	220	217	216
Wholesale trade	334	328	295	243	226	224	224
Aerospace products and parts	270	283	264	247	240	235	240

Note: Numbers may not add to totals due to roundings.

Table 27 Montana Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,277	1,225	1,152	1,013	972	983	1,032
Indirect Defense Purchases Resulting from Direct Purchases	717	696	633	527	489	484	484
Induced Defense Purchases Resulting from Direct Pay	282	291	299	279	279	275	272
Total Nondefense Expenditures	57,746	59,992	61,930	63,802	65,971	68,354	70,718
Total Output	60,031	62,213	64,024	65,628	67,716	70,102	72,512
General government industry	586	587	589	566	573	578	581
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	94	88	79	57	47	44	44
Rail transportation	91	83	75	61	55	54	55
Petroleum and coal products	54	49	46	40	37	37	37
Publishing, except software	79	59	40	39	37	52	98
Maintenance and repair construction	40	35	31	24	21	21	21
Indirect Defense Purchases Resulting from Direct Purchases							
Petroleum and coal products	72	69	63	52	48	47	47
Information and data processing	56	56	51	42	39	39	38
Crude oil extraction	51	49	46	40	37	37	38
Wholesale trade	38	38	34	28	26	26	26
Real estate	37	36	32	27	25	25	25

Note: Numbers may not add to totals due to roundings.

Table 28 Nebraska Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,471	3,398	3,242	2,792	2,661	2,659	2,664
Indirect Defense Purchases Resulting from Direct Purchases	1,830	1,786	1,624	1,345	1,249	1,238	1,235
Induced Defense Purchases Resulting from Direct Pay	724	745	767	715	715	706	699
Total Nondefense Expenditures	153,875	159,437	164,284	169,171	174,801	180,896	187,176
Total Output	159,930	165,396	169,943	174,042	179,444	185,516	191,789
General government industry	1,305	1,316	1,328	1,269	1,285	1,294	1,300
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Rail transportation	395	360	324	263	239	236	237
Computer systems design and related services	351	338	308	252	230	228	228
Professional, scientific and technical services	297	297	264	213	193	189	188
Wholesale trade	219	239	248	173	155	158	156
Truck transportation	157	143	129	105	95	94	94
Indirect Defense Purchases Resulting from Direct Purchases							
Rail transportation	151	145	130	106	97	96	95
Management of companies and enterprises	129	127	114	97	91	90	90
Computer systems design and related services	127	125	113	96	89	88	88
Professional, scientific and technical services	115	114	102	79	72	72	72
Wholesale trade	103	101	91	75	70	69	69

Note: Numbers may not add to totals due to roundings.

Table 29 Nevada Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	5,765	5,586	5,248	4,542	4,325	4,321	4,352
Indirect Defense Purchases Resulting from Direct Purchases	2,644	2,590	2,343	1,941	1,804	1,789	1,788
Induced Defense Purchases Resulting from Direct Pay	854	881	906	845	845	836	828
Total Nondefense Expenditures	220,611	227,731	234,379	241,120	248,507	256,674	265,330
Total Output	229,893	236,806	242,894	248,463	255,495	263,634	272,312
General government industry	1,764	1,747	1,734	1,670	1,690	1,706	1,717
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Accommodation	646	607	549	457	423	420	420
Aerospace products and parts	579	601	537	428	402	398	413
New construction	345	322	290	208	172	162	160
Professional, scientific and technical services	259	258	228	183	165	162	161
Hospitals	197	187	195	186	181	183	184
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	374	368	332	274	254	252	252
Accommodation	306	304	274	228	214	212	213
Management of companies and enterprises	300	296	265	225	211	209	210
Banks, credit cards and finance	177	173	157	130	121	120	120
Real estate	172	166	151	127	118	117	117

Note: Numbers may not add to totals due to roundings.

Table 30 New Hampshire Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	2,969	2,935	2,700	2,376	2,259	2,249	2,289
Indirect Defense Purchases Resulting from Direct Purchases	1,335	1,307	1,185	989	921	909	906
Induced Defense Purchases Resulting from Direct Pay	323	333	343	319	320	316	314
Total Nondefense Expenditures	101,789	105,710	109,017	112,200	115,895	120,096	124,440
Total Output	106,402	110,269	113,233	115,880	119,392	123,569	127,946
General government industry	404	412	423	416	424	430	433
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Search, detection and navigation equipment	851	833	744	720	705	704	741
Professional, scientific and technical services	414	410	376	342	320	310	304
Aerospace products and parts	254	262	239	163	144	143	143
Petroleum and coal products	103	96	89	72	65	65	65
Communications and audio-video equipment	86	88	71	61	58	57	60
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	160	157	145	127	120	118	116
Fabricated metal products	125	122	107	86	80	79	78
Management of companies and enterprises	95	94	84	71	67	66	67
Wholesale trade	85	83	75	61	57	57	57
Real estate	76	74	67	56	52	52	52

Note: Numbers may not add to totals due to roundings.

Table 31 New Jersey Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	15,751	15,768	14,414	12,625	11,968	11,897	11,997
Indirect Defense Purchases Resulting from Direct Purchases	12,300	12,116	10,882	9,109	8,506	8,453	8,476
Induced Defense Purchases Resulting from Direct Pay	2,580	2,665	2,747	2,570	2,576	2,545	2,523
Total Nondefense Expenditures	935,034	967,798	996,708	1,024,616	1,058,070	1,095,697	1,134,346
Total Output	965,710	998,389	1,024,790	1,048,950	1,081,147	1,118,619	1,157,369
General government industry	2,409	2,596	2,793	2,686	2,735	2,753	2,757
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	5,002	5,218	4,445	4,051	3,849	3,813	3,860
Search, detection and navigation equipment	1,096	1,073	965	925	898	892	929
New construction	782	733	654	470	390	371	366
Air transportation	666	627	585	505	473	473	473
Telecommunications	502	469	418	341	313	310	312
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,935	1,994	1,721	1,506	1,440	1,448	1,474
Management of companies and enterprises	1,050	1,036	930	789	739	733	737
Wholesale trade	857	840	755	622	579	575	575
Real estate	659	637	579	487	451	446	446
Other chemicals	638	626	571	474	440	438	439

Note: Numbers may not add to totals due to roundings.

Table 32 New Mexico Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,521	4,482	4,285	3,783	3,638	3,620	3,619
Indirect Defense Purchases Resulting from Direct Purchases	2,968	2,886	2,662	2,255	2,107	2,093	2,102
Induced Defense Purchases Resulting from Direct Pay	888	914	940	875	874	863	854
Total Nondefense Expenditures	161,153	167,113	172,802	178,343	184,723	191,440	198,032
Total Output	169,589	175,444	180,727	185,288	191,371	198,043	204,634
General government industry	1,977	2,019	2,067	1,984	2,012	2,027	2,035
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	901	895	812	725	675	656	646
New construction	284	267	238	170	141	134	132
Administrative and support services	159	149	127	89	75	74	74
Petroleum and coal products	112	103	97	83	77	77	77
Aerospace products and parts	98	101	93	66	59	59	59
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	1,057	1,013	960	825	774	777	788
Professional, scientific and technical services	349	342	314	269	253	249	247
Administrative and support services	292	288	260	216	200	199	198
Petroleum and coal products	138	131	120	99	91	90	90
Semiconductors and other electronic components	92	94	86	76	73	69	68

Note: Numbers may not add to totals due to roundings.

Table 33 New York Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	21,211	20,730	19,176	16,764	15,969	15,839	15,871
Indirect Defense Purchases Resulting from Direct Purchases	21,484	21,031	19,052	15,876	14,793	14,667	14,650
Induced Defense Purchases Resulting from Direct Pay	5,302	5,503	5,681	5,315	5,337	5,278	5,239
Total Nondefense Expenditures	1,877,508	1,947,456	2,004,155	2,061,169	2,129,512	2,206,471	2,286,204
Total Output	1,925,490	1,994,649	2,047,889	2,099,022	2,165,522	2,242,165	2,321,913
General government industry	4,040	4,058	4,079	3,867	3,906	3,929	3,941
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	2,859	2,841	2,583	2,343	2,239	2,162	2,133
Search, detection and navigation equipment	2,153	2,106	1,884	1,818	1,774	1,771	1,859
Professional, scientific and technical services	1,738	1,727	1,568	1,390	1,291	1,253	1,235
Communications and audio-video equipment	1,113	1,142	895	814	782	772	816
Telecommunications	1,026	954	854	699	640	636	637
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	3,213	3,170	2,844	2,414	2,262	2,243	2,256
Securities, investments, funds and trusts	2,916	2,877	2,630	2,165	2,028	2,024	2,005
Real estate	1,656	1,602	1,456	1,224	1,133	1,123	1,122
Telecommunications	1,454	1,404	1,262	1,041	960	952	953
Banks, credit cards and finance	1,272	1,244	1,127	935	869	862	862

Note: Numbers may not add to totals due to roundings.

Table 34 North Carolina Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	16,580	16,201	15,470	13,715	13,321	13,321	13,356
Indirect Defense Purchases Resulting from Direct Purchases	9,407	9,206	8,344	6,901	6,406	6,340	6,328
Induced Defense Purchases Resulting from Direct Pay	5,229	5,394	5,556	5,182	5,190	5,129	5,082
Total Nondefense Expenditures	795,540	824,694	849,898	875,201	903,995	935,365	968,092
Total Output	827,036	855,769	879,511	901,180	929,078	960,320	993,017
General government industry	10,155	10,052	9,950	9,427	9,507	9,568	9,604
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	1,073	1,008	906	648	534	504	496
Professional, scientific and technical services	634	636	565	470	428	419	417
Administrative and support services	417	389	330	231	196	193	193
Maintenance and repair construction	353	316	279	217	191	188	188
Food services and drinking places	280	268	233	181	162	160	160
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprises	901	889	797	677	634	629	632
Administrative and support services	765	753	679	561	520	517	517
Banks, credit cards and finance	692	677	613	509	473	469	469
Other chemicals	484	476	433	360	334	333	333
Wholesale trade	464	454	408	336	313	311	311

Note: Numbers may not add to totals due to roundings.

Table 35 North Dakota Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,477	1,427	1,355	1,181	1,134	1,131	1,133
Indirect Defense Purchases Resulting from Direct Purchases	556	543	496	411	383	380	379
Induced Defense Purchases Resulting from Direct Pay	340	350	360	336	336	331	328
Total Nondefense Expenditures	51,891	53,868	55,614	57,340	59,337	61,552	63,741
Total Output	54,284	56,207	57,843	59,281	61,200	63,405	65,591
General government industry	760	753	746	702	707	711	713
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	188	175	162	132	119	119	119
New construction	126	119	106	76	63	60	59
Rail transportation	59	54	48	39	36	35	35
Maintenance and repair construction	57	53	46	35	31	31	31
Truck transportation	36	33	30	24	22	22	22
Indirect Defense Purchases Resulting from Direct Purchases							
Wholesale trade	46	45	41	34	31	31	31
Administrative and support services	32	32	28	24	22	22	22
Crude oil extraction	30	29	28	24	22	22	23
Management of companies and enterprises	24	24	22	18	17	17	17
Banks, credit cards and finance	23	22	20	17	16	15	15

Note: Numbers may not add to totals due to roundings.

Table 36 Ohio Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,048	13,951	13,338	11,771	11,246	11,177	11,206
Indirect Defense Purchases Resulting from Direct Purchases	14,028	13,708	12,342	10,202	9,480	9,363	9,332
Induced Defense Purchases Resulting from Direct Pay	3,211	3,318	3,408	3,175	3,185	3,149	3,121
Total Nondefense Expenditures	974,408	1,012,332	1,044,791	1,075,390	1,110,418	1,149,592	1,189,797
Total Output	1,005,949	1,043,613	1,074,129	1,100,639	1,134,427	1,173,390	1,213,528
General government industry	3,662	3,928	4,212	4,073	4,152	4,184	4,194
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	1,827	1,836	1,638	1,454	1,356	1,324	1,314
Aerospace products and parts	901	901	812	738	706	682	677
Petroleum and coal products	703	647	609	518	478	477	480
Search, detection and navigation equipment	639	626	559	540	528	528	556
New construction	551	515	464	334	275	259	255
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,502	1,482	1,330	1,129	1,058	1,049	1,055
Fabricated metal products	1,361	1,323	1,165	937	866	856	852
Iron and steel	760	744	657	505	463	454	438
Professional, scientific and technical services	707	702	634	540	507	503	502
Nonferrous metals	694	671	588	488	454	434	436

Note: Numbers may not add to totals due to roundings.

Table 37 Oklahoma Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	9,273	9,196	8,865	7,792	7,511	7,506	7,544
Indirect Defense Purchases Resulting from Direct Purchases	4,903	4,762	4,372	3,655	3,404	3,388	3,400
Induced Defense Purchases Resulting from Direct Pay	1,851	1,908	1,963	1,829	1,829	1,807	1,789
Total Nondefense Expenditures	328,245	339,355	350,107	360,435	372,936	386,391	399,277
Total Output	344,309	355,254	365,352	373,747	385,716	399,131	412,048
General government industry	4,066	4,217	4,377	4,181	4,241	4,268	4,278
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	1,653	1,531	1,422	1,173	1,060	1,058	1,062
Aerospace products and parts	540	559	486	437	424	419	442
New construction	542	511	447	322	271	261	259
Professional, scientific and technical services	321	325	286	244	225	221	221
Administrative and support services	272	254	215	151	128	126	126
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	1,575	1,509	1,429	1,228	1,153	1,157	1,173
Administrative and support services	499	491	443	367	340	338	338
Fabricated metal products	224	218	192	155	143	141	141
Management of companies and enterprises	203	200	180	152	143	142	142
Petroleum and coal products	169	160	147	121	112	110	111

Note: Numbers may not add to totals due to roundings.

Table 38 Oregon Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,226	3,097	2,842	2,424	2,286	2,283	2,290
Indirect Defense Purchases Resulting from Direct Purchases	3,493	3,425	3,091	2,581	2,404	2,364	2,359
Induced Defense Purchases Resulting from Direct Pay	816	841	864	804	805	795	788
Total Nondefense Expenditures	273,079	284,196	293,789	302,741	312,852	324,005	335,461
Total Output	280,750	291,660	300,637	308,602	318,388	329,479	340,934
General government industry	889	922	959	944	963	974	981
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	240	224	202	145	119	112	110
Waste management and remediation	204	190	155	99	78	76	75
Search, detection and navigation equipment	122	119	105	96	92	92	96
Air transportation	115	108	102	89	84	84	84
Professional, scientific and technical services	109	107	100	90	84	81	79
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	315	311	279	236	222	220	221
Semiconductors and other electronic components	272	276	253	224	213	203	199
Wholesale trade	225	221	199	164	152	151	151
Real estate	199	192	175	147	136	135	135
Wood products	163	153	134	102	88	84	82

Note: Numbers may not add to totals due to roundings.

Table 39 Pennsylvania Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	19,311	19,112	17,777	15,026	14,222	14,219	14,245
Indirect Defense Purchases Resulting from Direct Purchases	14,676	14,328	12,963	10,702	9,932	9,817	9,791
Induced Defense Purchases Resulting from Direct Pay	3,233	3,336	3,436	3,212	3,218	3,179	3,150
Total Nondefense Expenditures	1,118,807	1,158,518	1,194,478	1,230,276	1,270,551	1,314,815	1,359,960
Total Output	1,155,728	1,194,952	1,228,240	1,259,084	1,297,777	1,341,852	1,387,045
General government industry	3,453	3,744	4,055	3,941	4,024	4,058	4,068
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,193	3,171	2,834	2,355	2,146	2,099	2,076
Aerospace products and parts	1,642	1,693	1,468	1,351	1,316	1,297	1,367
Ship and boat building	644	845	957	567	613	699	573
Search, detection and navigation equipment	1,043	1,004	840	604	510	501	509
New construction	751	702	630	453	374	353	348
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,235	1,212	1,097	875	803	797	793
Management of companies and enterprises	1,036	1,022	917	778	729	723	727
Fabricated metal products	874	849	748	602	556	549	547
Petroleum and coal products	841	798	730	605	556	551	551
Iron and steel	715	700	617	475	435	427	412

Note: Numbers may not add to totals due to roundings.

Table 40 Rhode Island Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,894	1,921	1,850	1,620	1,557	1,552	1,561
Indirect Defense Purchases Resulting from Direct Purchases	1,174	1,148	1,035	844	779	771	770
Induced Defense Purchases Resulting from Direct Pay	401	413	425	396	396	392	388
Total Nondefense Expenditures	99,840	102,887	105,627	107,980	111,102	114,609	118,228
Total Output	103,327	106,388	108,956	110,851	113,846	117,336	120,958
General government industry	670	731	796	769	784	790	791
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	474	472	414	318	283	279	278
Search, detection and navigation equipment	150	146	131	125	121	120	125
New construction	110	103	92	66	55	52	51
Aerospace products and parts	77	80	68	64	62	62	66
Maintenance and repair construction	45	41	36	28	24	24	24
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	183	180	160	118	106	106	106
Management of companies and enterprises	102	101	90	77	72	71	72
Banks, credit cards and finance	102	100	90	75	70	69	69
Fabricated metal products	79	77	68	55	51	50	50
Real estate	66	64	58	49	45	45	45

Note: Numbers may not add to totals due to roundings.

Table 41 South Carolina Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,073	9,834	9,132	7,871	7,506	7,515	7,568
Indirect Defense Purchases Resulting from Direct Purchases	4,809	4,707	4,247	3,427	3,161	3,133	3,124
Induced Defense Purchases Resulting from Direct Pay	1,803	1,859	1,913	1,783	1,786	1,766	1,751
Total Nondefense Expenditures	311,708	322,887	333,448	343,849	354,907	366,923	379,544
Total Output	328,466	339,353	348,796	356,981	367,406	379,381	392,034
General government industry	3,820	3,846	3,881	3,737	3,786	3,820	3,840
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	2,095	2,088	1,827	1,397	1,240	1,227	1,224
New construction	526	494	437	314	262	250	248
Aerospace products and parts	343	356	312	272	262	259	273
Communications and audio-video equipment	225	223	194	149	136	135	136
Telecommunications	209	195	175	143	132	131	131
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	810	798	707	519	464	466	468
Administrative and support services	403	397	358	296	274	273	272
Fabricated metal products	325	316	278	224	207	204	204
Plastic products	225	225	206	166	156	155	153
Textiles and textile products	196	189	185	159	150	148	149

Note: Numbers may not add to totals due to roundings.

Table 42 South Dakota Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,339	1,303	1,272	1,141	1,104	1,108	1,115
Indirect Defense Purchases Resulting from Direct Purchases	613	598	546	454	423	419	418
Induced Defense Purchases Resulting from Direct Pay	302	311	320	298	298	295	292
Total Nondefense Expenditures	60,958	63,178	65,063	67,004	69,249	71,669	74,169
Total Output	63,223	65,400	67,210	68,906	71,082	73,499	76,000
General government industry	524	524	524	502	507	511	514
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Dairy products, meat and seafood	239	229	244	233	226	230	232
New construction	78	73	65	47	39	37	37
Retail trade	65	63	64	57	54	55	55
Aerospace products and parts	52	54	46	43	42	42	44
Maintenance and repair construction	43	39	34	27	23	23	23
Indirect Defense Purchases Resulting from Direct Purchases							
Banks, credit cards and finance	118	116	105	87	81	80	80
Wholesale trade	41	40	36	29	27	27	27
Animal production	29	28	28	26	25	25	25
Management of companies and enterprises	29	28	25	21	20	20	20
Crop production	25	24	23	21	20	20	20

Note: Numbers may not add to totals due to roundings.

Table 43 Tennessee Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,937	7,692	7,281	6,418	6,096	6,068	6,077
Indirect Defense Purchases Resulting from Direct Purchases	6,001	5,857	5,300	4,388	4,077	4,025	4,009
Induced Defense Purchases Resulting from Direct Pay	1,727	1,784	1,835	1,711	1,716	1,697	1,682
Total Nondefense Expenditures	445,163	463,123	478,070	492,647	509,166	527,498	546,422
Total Output	460,927	478,555	492,563	505,209	521,094	539,327	558,223
General government industry	1,964	2,031	2,110	2,081	2,123	2,149	2,165
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Air transportation	1,903	1,794	1,648	1,396	1,293	1,289	1,292
Professional, scientific and technical services	882	867	800	727	678	655	641
New construction	537	513	460	355	297	277	266
Truck transportation	364	332	299	242	220	217	218
Other chemicals	251	234	213	192	182	186	196
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	495	481	424	341	315	311	310
Wholesale trade	370	362	325	268	250	248	248
Transportation support, sightseeing, couriers	359	344	314	263	243	241	242
Professional, scientific and technical services	341	331	310	270	254	249	245
Management of companies and enterprises	304	300	269	228	214	212	213

Note: Numbers may not add to totals due to roundings.

Table 44 Texas Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	70,547	68,878	63,540	56,284	53,844	53,464	54,114
Indirect Defense Purchases Resulting from Direct Purchases	44,524	43,224	39,546	33,145	30,857	30,669	30,775
Induced Defense Purchases Resulting from Direct Pay	10,329	10,635	10,943	10,204	10,202	10,067	9,960
Total Nondefense Expenditures	2,525,135	2,623,284	2,709,566	2,798,424	2,899,625	3,008,886	3,117,651
Total Output	2,650,746	2,746,306	2,823,929	2,898,276	2,994,745	3,103,316	3,212,701
General government industry	19,388	19,362	19,354	18,446	18,640	18,775	18,852
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	15,402	15,730	13,793	12,627	12,232	11,982	12,417
Petroleum and coal products	9,816	9,074	8,458	7,039	6,404	6,394	6,419
Professional, scientific and technical services	4,989	5,018	4,482	3,998	3,735	3,645	3,617
New construction	2,932	2,753	2,466	1,767	1,461	1,381	1,361
Search, detection and navigation equipment	1,975	1,931	1,722	1,647	1,602	1,598	1,677
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	10,620	10,176	9,640	8,284	7,773	7,802	7,913
Petroleum and coal products	4,738	4,498	4,117	3,411	3,134	3,104	3,105
Legal services	2,776	2,726	2,468	2,073	1,933	1,919	1,920
Administrative and support services	2,407	2,373	2,148	1,795	1,668	1,654	1,650
Professional, scientific and technical services	1,930	1,918	1,735	1,486	1,397	1,384	1,382

Note: Numbers may not add to totals due to roundings.

Table 45 Utah Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	5,491	5,598	5,352	4,758	4,589	4,568	4,598
Indirect Defense Purchases Resulting from Direct Purchases	2,982	2,955	2,646	2,238	2,097	2,074	2,090
Induced Defense Purchases Resulting from Direct Pay	1,054	1,086	1,117	1,040	1,041	1,029	1,019
Total Nondefense Expenditures	221,721	228,736	235,324	240,676	247,938	256,060	264,231
Total Output	231,305	238,439	244,500	248,745	255,696	263,762	271,963
General government industry	1,943	2,094	2,252	2,166	2,206	2,221	2,224
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	1,103	1,151	985	906	863	853	863
New construction	355	334	304	216	176	164	161
Petroleum and coal products	229	211	198	168	154	154	155
Aerospace products and parts	203	210	184	157	149	147	154
Air transportation	191	179	170	149	141	141	141
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	427	440	381	337	323	324	329
Information and data processing	207	215	180	172	168	163	174
Management of companies and enterprises	190	187	168	143	134	133	133
Banks, credit cards and finance	148	145	131	109	101	100	100
Crude oil extraction	118	113	107	92	87	87	88

Note: Numbers may not add to totals due to roundings.

Table 46 Vermont Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	994	971	893	794	753	745	764
Indirect Defense Purchases Resulting from Direct Purchases	424	415	376	313	291	287	286
Induced Defense Purchases Resulting from Direct Pay	145	149	154	143	144	142	141
Total Nondefense Expenditures	40,929	42,550	43,934	45,195	46,675	48,325	50,026
Total Output	42,504	44,097	45,367	46,452	47,869	49,506	51,223
General government industry	184	187	191	186	189	190	192
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Fabricated metal products	327	317	282	251	233	229	242
Aerospace products and parts	89	92	79	73	71	71	75
Professional, scientific and technical services	44	44	40	36	34	33	32
New construction	42	40	37	26	21	20	19
Semiconductors and other electronic components	31	31	28	28	28	28	29
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	33	32	28	22	21	20	20
Real estate	29	28	26	22	20	20	20
Wholesale trade	29	29	26	21	20	20	20
Telecommunications	23	23	20	17	15	15	15
Professional, scientific and technical services	17	17	15	13	13	12	12

Note: Numbers may not add to totals due to roundings.

Table 47 Virginia Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	79,725	80,215	76,013	64,207	61,303	61,495	61,007
Indirect Defense Purchases Resulting from Direct Purchases	23,812	23,497	21,175	17,384	16,113	16,015	16,014
Induced Defense Purchases Resulting from Direct Pay	8,206	8,452	8,700	8,104	8,102	8,001	7,922
Total Nondefense Expenditures	1,210,076	1,244,796	1,279,903	1,310,297	1,348,840	1,389,687	1,431,664
Total Output	1,322,089	1,357,232	1,386,037	1,400,193	1,434,542	1,475,380	1,516,787
General government industry	19,412	20,275	21,199	20,384	20,713	20,866	20,927
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	21,957	22,072	19,351	15,887	14,486	14,276	14,251
Ship and boat building	3,566	4,648	5,222	3,129	3,358	3,814	3,150
Computer systems design and related services	5,906	5,680	5,151	4,137	3,754	3,733	3,749
Telecommunications	6,045	5,667	5,037	4,110	3,770	3,743	3,764
Apparel	2,902	2,676	2,795	2,572	2,536	2,540	2,533
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	8,493	8,436	7,491	5,906	5,419	5,421	5,443
Computer systems design and related services	2,136	2,104	1,891	1,568	1,454	1,443	1,445
Administrative and support services	2,035	2,006	1,812	1,512	1,404	1,393	1,391
Other repair and maintenance, personal services	1,232	1,216	1,171	1,082	1,034	1,017	999
Information and data processing	1,124	1,114	1,012	837	781	777	771

Note: Numbers may not add to totals due to roundings.

Table 48 Washington Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	17,801	17,687	16,944	15,125	14,714	14,703	14,772
Indirect Defense Purchases Resulting from Direct Purchases	6,876	6,751	6,137	5,155	4,807	4,755	4,761
Induced Defense Purchases Resulting from Direct Pay	3,712	3,823	3,936	3,667	3,666	3,621	3,585
Total Nondefense Expenditures	614,324	634,317	653,250	671,159	692,320	715,623	740,124
Total Output	643,055	662,946	680,585	695,274	715,660	738,857	763,369
General government industry	8,091	8,200	8,320	7,935	8,030	8,085	8,112
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	2,731	2,795	2,442	2,250	2,186	2,144	2,232
Petroleum and coal products	1,372	1,270	1,181	978	886	885	888
Professional, scientific and technical services	881	869	793	684	629	609	599
New construction	756	710	637	457	378	356	351
Ship and boat building	267	341	376	232	245	275	231
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	683	716	666	625	607	595	607
Petroleum and coal products	466	442	405	335	308	305	305
Management of companies and enterprises	444	438	393	334	313	310	312
Real estate	417	403	366	308	285	282	282
Wholesale trade	406	398	358	295	275	272	273

Note: Numbers may not add to totals due to roundings.

Table 49 West Virginia Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,316	1,287	1,222	1,063	1,012	1,008	1,011
Indirect Defense Purchases Resulting from Direct Purchases	1,472	1,432	1,296	1,069	989	975	972
Induced Defense Purchases Resulting from Direct Pay	318	328	337	315	316	312	309
Total Nondefense Expenditures	102,938	107,071	110,657	114,242	118,238	122,689	127,104
Total Output	106,068	110,144	113,535	116,701	120,566	124,996	129,406
General government industry	449	464	482	471	480	485	488
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	146	137	122	87	73	69	68
Professional, scientific and technical services	119	119	106	90	82	80	80
Rail transportation	83	75	68	55	50	49	49
Truck transportation	51	47	42	34	31	31	31
Computer systems design and related services	42	41	38	32	29	28	28
Indirect Defense Purchases Resulting from Direct Purchases							
Coal mining	95	91	81	65	59	59	58
Crude oil extraction	88	84	80	69	64	65	66
Nonmetallic mineral mining	84	82	73	60	55	53	53
Iron and steel	71	69	61	47	43	42	41
Petroleum and coal products	69	65	60	50	46	45	45

Note: Numbers may not add to totals due to roundings.

Table 50 Wisconsin Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	8,479	7,218	5,396	4,244	3,662	3,646	3,787
Indirect Defense Purchases Resulting from Direct Purchases	6,949	6,833	6,157	5,105	4,758	4,694	4,660
Induced Defense Purchases Resulting from Direct Pay	1,091	1,127	1,161	1,083	1,087	1,075	1,066
Total Nondefense Expenditures	436,815	455,308	471,478	487,028	504,167	522,701	541,829
Total Output	453,462	470,629	484,306	497,518	513,724	532,167	551,381
General government industry	769	785	804	786	799	808	813
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Motor vehicles	2,941	2,155	1,098	740	465	440	490
Other transportation equipment	1,416	1,084	595	401	300	315	391
Insurance	333	309	285	252	243	244	245
Fabricated metal products	322	320	284	225	201	198	207
New construction	320	299	268	193	160	151	149
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	755	734	646	520	481	475	473
Insurance	784	759	639	520	475	470	471
Management of companies and enterprises	575	567	509	432	405	401	403
Real estate	464	468	424	353	330	328	329
Paper	331	325	296	247	230	228	228

Note: Numbers may not add to totals due to roundings.

Table 51 Wyoming Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,084	1,039	979	849	810	808	810
Indirect Defense Purchases Resulting from Direct Purchases	1,287	1,242	1,152	970	904	900	905
Induced Defense Purchases Resulting from Direct Pay	212	218	225	209	209	207	205
Total Nondefense Expenditures	60,478	63,282	65,923	68,783	71,910	75,293	78,324
Total Output	63,068	65,788	68,284	70,817	73,838	77,212	80,247
General government industry	463	462	460	438	443	446	448
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Rail transportation	143	130	117	95	86	85	86
Petroleum and coal products	91	84	78	65	59	59	59
New construction	80	75	66	48	40	38	38
Professional, scientific and technical services	29	28	26	23	21	20	20
Waste management and remediation	34	32	26	17	13	13	13
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	632	606	574	493	463	465	471
Coal mining	66	64	57	45	41	41	41
Nonmetallic mineral mining	58	57	51	42	38	37	37
Rail transportation	52	50	45	36	33	33	33
Petroleum and coal products	47	44	41	34	31	31	31

Note: Numbers may not add to totals due to roundings.

Table 52 Entire United States Summary

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	711,858	703,051	658,393	571,922	546,805	545,524	546,603
Indirect Defense Purchases Resulting from Direct Purchases	399,770	390,894	354,455	295,337	274,799	272,206	272,043
Induced Defense Purchases Resulting from Direct Pay	115,296	118,945	122,457	114,197	114,332	112,942	111,879
Total Nondefense Expenditures	28,370,108	29,389,331	30,298,793	31,184,654	32,208,121	33,333,818	34,489,634
Total Output	29,597,032	30,602,221	31,434,098	32,166,111	33,144,056	34,264,490	35,420,159
General government industry	192,672	196,882	201,496	193,057	195,680	197,134	197,838
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	111,575	111,764	99,624	86,363	79,945	78,160	77,529
Aerospace products and parts	62,440	64,019	56,073	50,775	49,134	48,252	50,246
New construction	32,728	30,750	27,470	19,738	16,365	15,497	15,278
Petroleum and coal products	27,261	25,111	23,561	19,943	18,354	18,329	18,411
Ship and boat building	15,246	19,881	22,382	13,375	14,398	16,365	13,479
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	43,158	42,717	38,568	32,107	29,906	29,679	29,612
Management of companies and enterprises	27,099	26,734	23,985	20,360	19,082	18,920	19,025
Administrative and support services	23,591	23,256	21,017	17,642	16,415	16,286	16,264
Crude oil extraction	21,485	20,588	19,503	16,761	15,726	15,784	16,008
Wholesale trade	17,565	17,202	15,470	12,739	11,867	11,773	11,780

Note: Numbers may not add to totals due to roundings.

APPENDIX A

**MAPPING FROM INDUSTRIES TO INDUSTRIAL SECTORS,
WITH NAICS CODES**

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	National	NAICS Classification	State Level	
	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
16	1 Oilseed farming	111111-2	1	Crop Production
	2 Grain farming	11113-6, 11119	1	
	3 Vegetable and melon farming	1112	1	
	4 Fruit and nut farming	11131-2, 111331-6, 111339	1	
	5 Greenhouse, nursery, and floriculture production	1114	1	
	6 Tobacco farming	11191	1	
	7 Cotton farming	11192	1	
	8 Sugarcane and sugar beet farming	11193, 111991	1	Animal Production
	9 All other crop farming	11194, 111992, 111998	1	
	10 Cattle ranching and dairy farming	11211, 11212, 11213	2	
	11 Poultry and egg production	1123	2	
	12 Animal production, except cattle and poultry and eggs	1122, 1124-5, 1129	2	
	13 Forestry and logging	1131-3	3	Forestry, fishing and agriculture support activities
	14 Fishing, hunting and trapping	1141-2	3	
	15 Support activities for agriculture and forestry	115	3	
	16 Crude oil extraction	211pt	4	Crude oil extraction
	17 Natural gas extraction	211pt	5	Natural gas extraction
	18 Coal mining	2121	6	Coal Mining
	19 Iron ore mining	21221	7	Metal Ore Mining
	20 Copper, nickel, lead, and zinc mining	21223	7	
	21 Gold, silver, and other metal ore mining	21222, 21229	7	Nonmetallic mineral mining
	22 Stone mining and quarrying	21231	8	
	23 Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	21232	8	
	24 Other nonmetallic mineral mining and quarrying	21239	8	
	25 Drilling oil and gas wells	213111	9	Support activities for mining
	26 Support activities for oil and gas operations	213112	9	
	27 Support activities for other mining	213113-5	9	
	28 Electric power generation, transmission, and distribution	2211	10	Electric utilities
	29 Natural gas distribution	2212	11	Natural gas distribution
	30 Water, sewage and other systems	2213	12	Water, sewage and other systems
	31 New residential construction	23*	13	New construction
	32 New non-residential building construction	23*	13	
	33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction	23*	13	Maintenance and repair construction
	34 Maintenance and repair of residential structures	23*	14	
	35 Maintenance and repair of nonresidential buildings, infrastructure and other	23*	14	
	36 Dog and cat food	311111	16	Other foods
	37 Other animal food	311119	16	
	38 Flour milling and malt	31121	16	
	39 Wet corn milling	311221	16	
	40 Soybean and other oilseed processing	311222-3	16	
	41 Fats and oils refining and blending	311225	16	
	42 Breakfast cereals	311230	16	
	43 Sugar manufacturing	311311-3	16	
	44 Chocolate	31132, 31133	16	
	45 Nonchocolate confectionery	31134	16	
	46 Frozen food manufacturing	31141	16	Dairy products, meat and seafood
	47 Fruit and vegetable canning, pickling, and drying	31142	16	
	48 Fluid milk and butter	311511-2	15	
	49 Cheese	311513	15	
	50 Dry, condensed, and evaporated dairy product manufacturing	311514	15	
	51 Ice cream and frozen desserts	311520	15	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
52	Animal (except poultry) slaughtering, rendering, and processing	311611-3	15	
53	Poultry processing	311615	15	
54	Seafood product preparation and packaging	3117	15	
55	Bread and bakery products	31181	16	Other foods
56	Cookies, crackers and tortillas	31182, 31183	16	
57	Snack foods	31191	16	
58	Coffee and tea	31192	16	
59	Flavoring syrup and concentrate	31193	16	
60	Seasonings and dressings	31194	16	
61	All other food	31199	16	
62	Soft drinks and ice	31211	17	Beverages
63	Breweries	31212	17	
64	Wineries	31213	17	
65	Distilleries	31214	17	
66	Tobacco product manufacturing	3122	18	Tobacco
67	Fiber, yarn, and thread mills	3131	19	Textiles and textile products
68	Fabric mills	3132	19	
69	Textile and fabric finishing mills	3133	19	
70	Carpet and rug mills	31411	19	
71	Curtain and linen mills	31412	19	
72	Other textile products	31491, 31499	19	
73	Apparel knitting mills	31511, 31519	20	Apparel
74	Cut and sew apparel	3152	20	
75	Apparel accessories and other apparel	3159	20	
76	Footwear and other leather products	3161	21	Leather products
77	Sawmills and wood preservation	3211	22	Wood products
78	Veneer, plywood, particleboard, and engineered wood products	3212	22	
79	Wood windows and doors and millwork	32191	22	
80	Wood containers and pallets	32192	22	
81	Manufactured homes (mobile homes)	321991	22	
82	Prefabricated wood buildings	321992	22	
83	All other miscellaneous wood products	321999	22	
84	Pulp mills	32211	23	Paper
85	Paper and paperboard mills	32212, 32213	23	
86	Paperboard container manufacturing	32221	23	
87	Coated and laminated paper, packaging paper and plastics film	322221-2	23	
88	All other paper bag and coated and treated paper manufacturing	322223-6	23	
89	Stationery product manufacturing	32223	23	
90	Sanitary paper product manufacturing	322291	23	
91	All other converted paper products	322299	23	
92	Printing	32311□	24	Printing
93	Support activities for printing	32312	24	
94	Petroleum refineries	32411	25	Petroleum and coal products
95	Asphalt products	324121, 324122	25	
96	Lubricating and other petroleum products	324191, 324199	25	
97	Petrochemicals	32511	28	Other chemicals
98	Industrial gases	32512	28	
99	Synthetic dyes and pigments	32513	28	
100	Other basic inorganic chemicals	32518	28	
101	Other basic organic chemicals	32519	28	
102	Plastics materials and resins	325211	26	Resin, synthetic rubber and fibers
103	Synthetic rubber	325212	26	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
104	Artificial and synthetic fibers and filaments	32522	26	
105	Fertilizers	325311-4	28	Other chemicals
106	Pesticides and other agricultural chemicals	325320	28	
107	Pharmaceuticals and medicines	325411-4	27	Pharmaceuticals
108	Paints and coatings	32551	28	Other chemicals
109	Adhesives	32552	28	
110	Soaps and cleaning compounds	32561	28	
111	Toilet preparations	32562	28	
112	Printing ink	32591	28	
113	All other chemical products and preparations	32592, 32599	28	
114	Plastics packaging materials and unlaminated film and sheet	32611	29	Plastic products
115	Plastics pipe, fittings, and profile shapes	32612	29	
116	Laminated plastics plate, sheet (except packaging), and shapes	32613	29	
117	Plastic foam products	32614, 32615	29	
118	Plastic bottles	32616	29	
119	Other plastics products	32619	29	
120	Tires	32621	30	Rubber products
121	Rubber and plastics hoses and beltings	32622	30	
122	Other rubber products	32629	30	
123	Pottery, ceramics, and plumbing fixtures	32711	31	Nonmetallic mineral products
124	Clay building materials and refractories	327122,4,5	31	
125	Glass and glass products, exc containers	327211-2, 327215	31	
126	Glass containers	327213	31	
127	Cement	32731	31	
128	Ready-mix concrete	32732	31	
129	Concrete pipe, brick, and blocks	32733	31	
130	Other concrete products	32739	31	
131	Lime and gypsum products	3274	31	
132	Abrasive products	32791	31	
133	Cut stone and stone products	327991	31	
134	Other non-metallic mineral products	327992,3,9	31	
135	Primary ferrous metal products	3311, 3312	32	Iron and steel
136	Primary aluminum production	331311,2,4	33	Nonferrous metals
137	Aluminum product manufacturing from purchased aluminum	331315, 331316, 331319	33	
138	Primary smelting and refining of copper	331411	33	
139	Primary smelting and refining of nonferrous metal (except copper and aluminum)	331419	33	
140	Copper rolling, drawing, extruding and alloying	33142	33	
141	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying	33149	33	
142	Ferrous metal foundries	33151	32	Iron and steel
143	Nonferrous metal foundries	33152	33	Nonferrous metals
144	Forging and stamping	33211	34	Fabricated metal products
145	Cutlery, utensils, pots, and pans	332211, 332214	34	
146	Handtools	332212-3	34	
147	Plate work and fabricated structural products	33231	34	
148	Ornamental and architectural metal products	33232	34	
149	Power boilers and heat exchangers	33241	34	
150	Metal tanks (heavy gauge)	33242	34	
151	Metal cans, boxes, and other metal containers (light gauge)	33243	34	
152	Ammunition	332992-3	34	
153	Arms, ordnance, and accessories	332994-5	34	
154	Hardware manufacturing	3325	34	
155	Springs and wire products	3326	34	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
156	Machine shops	33271	34	
157	Turned products and screws, nuts, and bolts	33272	34	
158	Coating, engraving, heat treating and allied activities	3328	34	
159	Metal valves	33291-3, 332919	34	
160	Ball and roller bearings	332991	34	
161	Fabricated pipe and pipe fittings	332996	34	
162	Other fabricated metal products	332997-9	34	
163	Farm machinery and equipment	333111	35	Agriculture, construction and mining machinery
164	Lawn and garden equipment	333112	35	
165	Construction machinery	33312	35	
166	Mining and oil and gas field machinery	33313	35	
167	Other industrial machinery	33321, 333291-4, 333298	36	Industrial machinery
168	Plastics and rubber industry machinery	33322	36	
169	Semiconductor machinery manufacturing	333295	36	
170	Vending, commercial, industrial, and office machinery	333311-3	37	Commercial and service industry machinery
171	Optical instruments and lenses	333314	37	
172	Photographic and photocopying equipment	333315	37	
173	Other commercial and service industry machinery	333319	38	Ventilation, heating, air-conditioning and ventilation equipment
174	Air purification and ventilation equipment	333411-2	38	
175	Heating equipment (except warm air furnaces)	333414	38	
176	Air conditioning, refrigeration, and warm air heating equipment	333415	38	
177	Industrial molds	333511	39	Metalworking machinery
178	Metal cutting and forming machine tools	333512-3	39	
179	Special tools, dies, jigs, and fixtures	333514	39	
180	Cutting tool and machine tool accessories	333515	39	
181	Rolling mill and other metalworking machinery	333516, 333518	39	
182	Turbine and turbine generator set units	333611	40	Engine, turbine and power transmission equipment
183	Speed changers and mechanical power transmission equipment	333612, 333613	40	
184	Other engine equipment	333618	40	
185	Pump and pumping equipment	333911, 333913	41	Other general purpose machinery
186	Air and gas compressors	333912	41	
187	Material handling equipment	333921-4	41	
188	Power-driven handtool manufacturing	333991	41	
189	Other general purpose machinery	333992, 333997, 333999	41	
190	Packaging machinery	333993	41	
191	Industrial process furnaces and ovens	333994	41	
192	Fluid power process machinery	333995-6	41	
193	Computers	334111	42	Computers and peripheral equipment
194	Computer storage devices	334112	42	
195	Computer terminals and other computer peripherals	334113, 334119	42	
196	Telephone apparatus	33421	43	Communications and audio-video equipment
197	Broadcast and wireless communications equipment	33422	43	
198	Other communications equipment	33429	43	
199	Audio and video equipment	3343	43	
200	Semiconductors and electron tubes	334411, 334413	44	Semiconductors and other electronic components
201	All other electronic components	334414,2,4-6,7-9	44	
202	Electromedical and electrotherapeutic apparatus	334510	45	Electromedical and electrotherapeutic apparatusw
203	Search, detection, and navigation instruments	334511	46	Search, detection and navigation equipment
204	Automatic environmental controls	334512	47	Measuring and control instruments
205	Industrial process variable instruments	334513	47	
206	Totalizing fluid meters and counting devices	334514	47	
207	Electricity and signal testing instruments	334515	47	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
208	Analytical laboratory instruments	334516	47	
209	Irradiation apparatus manufacturing	334517	45	Electromedical and electrotherapeutic apparatusw
210	Watch, clock, and other measuring and controlling devices	334518-9	47	Measuring and control instruments
211	Software, audio, and video media reproducing	334611-2	48	Magnetic and optical media
212	Magnetic and optical recording media	334613	48	
213	Electric lamp bulbs and parts	33511	51	Other electrical equipment and components
214	Lighting fixtures	33512	51	
215	Small electrical appliances	33521	49	Household appliances
216	Household cooking appliances	335221	49	
217	Household refrigerators and home freezers	335222	49	
218	Household laundry equipment	335224	49	
219	Other major household appliances	335228	49	
220	Power, distribution, and specialty transformers	335311	50	Electrical equipment
221	Motors and generators	335312	50	
222	Switchgear and switchboard apparatus	335313	50	
223	Relays and industrial controls	335314	50	
224	Storage batteries	335911	51	Other electrical equipment and components
225	Primary battery manufacturing	335912	51	
226	Communication and energy wires and cables	33592	51	
227	Wiring devices	33593	51	
228	Carbon and graphite and miscellaneous electrical equipment	335991, 335999	51	
229	Automobiles	336111-2	52	Motor vehicles
230	Heavy duty trucks	336120	52	
231	Motor vehicle bodies	336211	52	
232	Truck trailer manufacturing	336212	52	
233	Motor homes, trailers and campers	336213, 336214	52	
234	Motor vehicle parts	3363	53	Motor vehicle parts
235	Aircraft	336411	54	Aerospace products and parts
236	Aircraft engines and engine parts	336412	54	
237	Other aircraft parts and auxiliary equipment	336413	54	
238	Guided missiles and space vehicles	336414	54	
239	Propulsion units and parts for space vehicles and guided missiles	336415, 336419	54	
240	Railroad rolling stock	3365	56	Other transportation equipment
241	Ship building and repairing	336611	55	Ship and boat building
242	Boat building	336612	55	
243	Motorcycles, bicycles, and parts	336991	56	Other transportation equipment
244	Military armored vehicles, tanks, and tank components	336992	56	
245	All other transportation equipment	336999	56	
246	Wood kitchen cabinet and countertops	33711	57	Furniture
247	Household and institutional furniture	33712	57	
248	Office furniture (including fixtures)	33721	57	
249	Mattresses, blinds and shades	33791, 33792	57	
250	Laboratory apparatus and furniture	339111	58	Medical equipment and supplies, dental labs
251	Surgical and medical instruments	339112	58	
252	Surgical appliances and supplies	339113	58	
253	Dental equipment and supplies	339114	58	
254	Ophthalmic goods	339115	59	Ophthalmic goods
255	Dental laboratories	339116	58	Medical equipment and supplies, dental labs
256	Jewelry and silverware	33991	60	Miscellaneous manufacturing
257	Sporting and athletic goods	33992	60	
258	Dolls, toys, and games	33993	60	
259	Office supplies (except paper)	33994	60	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
260	Sign manufacturing	33995	60	
261	Gasket, packing, and sealing devices	339991	60	
262	Musical instruments	339992	60	
263	All other miscellaneous manufacturing	339993, 339995, 339999	60	
264	Broom, brush, and mop manufacturing	339994	60	
265	Wholesale trade	42	61	Wholesale trade
266	Retail trade	44, 45	62	Retail trade
267	Air transportation	481	63	Air transportation
268	Rail transportation	482	64	Rail transportation
269	Water transportation	483	65	Water transportation
270	Truck transportation	484	66	Truck transportation
271	Transit and ground passenger transportation	485	67	Transit and ground passenger transportation
272	Pipeline transportation	486	68	Pipeline transportation
273	Scenic and sightseeing transportation and support activities for transportation	487, 488	69	Transportation support, sightseeing, couriers
274	Couriers and messengers	492	69	
275	Warehousing and storage	493	70	Warehousing and storage
276	Newspaper publishers	51111	71	Publishing, except software
277	Periodical publishers	51112	72	Software
278	Book publishers	51113	71	Publishing, except software
279	Directory, mailing list, and other publishers	51114, 51119	71	
280	Software publishers	51121	71	
281	Motion picture and video industries	5121	73	Motion picture and sound recording
282	Sound recording industries	5122	73	
283	Radio and television broadcasting	5151	74	
284	Cable and internet	5152, 516	74	
285	Telecommunications	517	75	
286	Data processing, hosting and internet service providers	5181, 5182	76	
287	Other information services	519	76	
288	Monetary authorities and depository credit intermediation	521, 5221	77	Banks, credit cards and finance
289	Nondepository credit intermediation and related activities	5222-3	77	
290	Securities, commodity contracts, investments, and related activities	523	78	Securities, investments, funds and trusts
291	Insurance carriers	5241	79	Insurance
292	Insurance agencies, brokerages, and related activities	5242	79	
293	Funds, trusts, and other financial vehicles	525	78	Securities, investments, funds and trusts
294	Real estate	531	80	Real estate
295	Owner-occupied dwellings	500800	81	Owner-occupied dwellings
296	Automotive equipment rental and leasing	5321	82	Rental and leasing of goods
297	General and consumer goods rental except video tapes and discs	53221-2, 53229, 5323	82	
298	Video tape and disc rental	53223	82	
299	Commercial and industrial machinery and equipment rental and leasing	5324	82	
300	Lessors of nonfinancial intangible assets	533	83	Royalties
301	Legal services	5411	84	Legal services
302	Accounting, tax preparation, bookkeeping, and payroll services	5412	85	Professional, scientific and technical services
303	Architectural, engineering, and related services	5413	85	
304	Specialized design services	5414	85	
305	Custom computer programming services	541511	86	Computer systems design and related services
306	Computer systems design services	541512	86	
307	Other computer related services, including facilities management	541513, 541519	86	
308	Management, scientific, and technical consulting services	54161	85	Professional, scientific and technical services
309	Environmental and other technical consulting services	54162, 54169	85	
310	Scientific research and development services	5417	85	
311	Advertising and related services	5418	85	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
312	All other miscellaneous professional, scientific, and technical services	54191, 54193, 54199	85	
313	Photographic services	54192	85	
314	Veterinary services	54194	85	
315	Management of companies and enterprises	55	87	Management of companies and enterprises
316	Office administrative services	5611	88	Administrative and support services
317	Facilities support services	5612	88	
318	Business support services	5614	88	
319	Investigation and security services	5616	88	
320	Services to buildings and dwellings	5617	88	
321	Other support services	5619	88	
322	Employment services	5613	88	
323	Travel arrangement and reservation services	5615	88	
324	Waste management and remediation services	562	89	Waste management and remediation
325	Elementary and secondary schools	6111	90	Educational services
326	Junior colleges, colleges, universities, and professional schools	6112-3	90	
327	Other educational services	6114-7	90	
328	Offices of physicians, dentists, and other health practitioners	6211-3	92	Offices of physicians, dentists, and other health practitioners
329	Medical and diagnostic labs and outpatient and other ambulatory care services	6214-5, 6219	93	Other ambulatory health care services
330	Home health care services	6216	91	Home health care services
331	Hospitals	622	94	Hospitals
332	Nursing and residential care facilities	623	95	Nursing and residential care facilities
333	Social assistance, except child day care services	6241-3	96	Child care and social assistance
334	Child day care services	6244	96	
335	Performing arts	7111,7113,7114,7115,	97	Performing arts, spectator sports and museums
336	Museums, historical sites, zoos, and parks	712	97	
337	Spectator sports	7112	97	
338	Amusements, gambling, & recreation activities	7131-2, 71391-3, 71394, 71395, 71399	98	Amusements, gambling and recreation
339	Hotels and other accommodations	72111-2, 72119, 7212-3	99	Accommodation
340	Food services and drinking places	722	100	Food services and drinking places
341	Automotive repair, maintenance and car washes	8111	101	Automotive repair and maintenance
342	Electronic and precision equipment repair and maintenance	8112	102	Other repair and maintenance, personal services
343	Commercial and industrial machinery and equipment repair and maintenance	8113	102	
344	Personal and household goods repair and maintenance	8114	102	
345	Personal care services	8121	102	
346	Death care services	8122	102	
347	Dry-cleaning and laundry services	8123	102	
348	Other personal services	8129	102	
349	Religious, grantmaking, civic & professional organizations	813	103	Religious, grantmaking and other organizations
350	Private households	814	104	Private households
351	Postal service	491	105	Postal service and federal government enterprises
352	Other federal government enterprises	S00102	105	
353	Other state and local government enterprises	S00203	106	State and local government enterprises
354	General Federal defense government services	S00500	107	General government industry
355	General Federal nondefense government services	S00600	107	
356	General state and local government services	S00700	107	
357	Noncomparable imports	S00300	108	Noncomparable imports
358	Scrap	S00401	109	Scrap, used and secondhand
359	Used and secondhand goods	S00402	109	
360	Rest of the world adjustment	S00900	110	Rest of the world adjustment to final uses

APPENDIX B
PROJECTIONS FOR 360 INDUSTRIES

1 Oilseed farming

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	0	0	0	0
Indirect Purchases	141	137	138	126	121	122	123
Total:	142	138	139	127	121	122	123

2 Grain farming

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	2	2	2	2	2
Indirect Purchases	446	432	424	381	362	363	363
Total:	448	434	426	383	364	365	365

3 Vegetable and melon farming

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	246	237	253	240	233	237	238
Indirect Purchases	69	67	67	60	57	57	57
Total:	315	304	320	299	290	294	296

Note: Numbers may not add due to rounding

4 Fruit and nut farming

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	72	71	72	64	60	61	61
Total:	72	71	72	64	61	61	61

5 Greenhouse, nursery, and floriculture production

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	2	2	1	1	1
Indirect Purchases	44	43	40	33	31	31	30
Total:	47	46	42	35	32	32	32

6 Tobacco farming

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	4	4	4	4	4	4	4
Total:	4	4	4	4	4	4	4

Note: Numbers may not add due to rounding

7 Cotton farming

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		30	29	29	25	23	23	23
Total:		30	29	29	25	23	23	23

8 Sugarcane and sugar beet farming

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		34	33	34	31	30	30	30
Total:		34	34	34	31	30	30	30

9 All other crop farming

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		2	2	2	1	1	1	1
Indirect Purchases		406	390	374	327	306	305	304
Total:		408	393	376	328	306	305	305

Note: Numbers may not add due to rounding

10 Cattle ranching and dairy farming(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	32	31	32	31	30	31	31
Indirect Purchases	868	836	850	779	748	755	757
Total:	901	866	883	810	778	785	788

11 Poultry and egg production(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	100	95	102	97	94	96	97
Indirect Purchases	259	248	251	231	222	224	225
Total:	359	344	353	328	316	320	321

12 Animal production, except cattle and poultry and eggs(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	9	8	6	5	5	5
Indirect Purchases	291	280	278	252	240	241	241
Total:	300	289	286	258	245	246	246

Note: Numbers may not add due to rounding

13 Forestry and logging(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	4	3	2	2	2
Indirect Purchases	1,158	1,089	955	744	654	624	611
Total:	1,163	1,093	959	746	656	626	613

14 Fishing, hunting and trapping(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	43	40	42	39	38	38	39
Indirect Purchases	148	143	134	115	107	107	107
Total:	190	183	176	154	145	145	145

15 Support activities for agriculture and forestry(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	75	71	62	49	44	44	44
Indirect Purchases	304	292	275	236	219	216	214
Total:	380	363	337	285	263	260	258

Note: Numbers may not add due to rounding

16 Crude oil extraction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	77	88	86	41	31	32	31
Indirect Purchases	38,929	36,391	33,735	28,306	26,063	25,942	26,016
Total:	39,006	36,480	33,821	28,347	26,094	25,975	26,048

18 Coal mining

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	1,021	979	870	698	637	629	625
Total:	1,021	980	871	698	637	629	625

19 Iron ore mining

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	267	262	231	178	163	160	154
Total:	267	262	231	178	163	160	154

Note: Numbers may not add due to rounding

20 Copper, nickel, lead, and zinc mining(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	304	310	299	257	245	235	235
Total:	304	310	299	257	245	235	236

21 Gold, silver, and other metal ore mining(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	123	121	110	92	85	80	79
Total:	123	121	110	92	85	81	79

22 Stone mining and quarrying(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	13	12	7	4	4	3
Indirect Purchases	422	398	356	281	250	244	242
Total:	434	411	368	287	254	247	246

Note: Numbers may not add due to rounding

23 Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	19	19	10	7	4	4
Indirect Purchases	407	413	369	314	295	283	279
Total:	423	432	388	324	301	287	282

24 Other nonmetallic mineral mining and quarrying

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	4	2	2	2	2
Indirect Purchases	70	68	61	49	44	43	43
Total:	75	73	65	52	46	45	45

25 Drilling oil and gas wells

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	1	1	1	0	0	0	0

Note: Numbers may not add due to rounding

26 Support activities for oil and gas operations

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	204	195	184	157	147	148	150
Total:	206	196	185	158	148	148	150

27 Support activities for other mining

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	4	2	1	1	1
Indirect Purchases	83	82	74	62	57	55	55
Total:	88	86	78	64	58	57	56

28 Electric power generation, transmission, and distribution

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,660	6,218	5,350	4,107	3,630	3,576	3,571
Indirect Purchases	6,943	6,771	6,148	5,109	4,753	4,710	4,705
Total:	13,602	12,989	11,498	9,216	8,383	8,285	8,276

Note: Numbers may not add due to rounding

29 Natural gas distribution

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	980	914	796	643	584	576	576
Indirect Purchases	2,889	2,785	2,549	2,120	1,966	1,946	1,943
Total:	3,868	3,699	3,345	2,764	2,550	2,522	2,519

30 Water, sewage and other systems

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,316	1,246	1,084	823	727	717	715
Indirect Purchases	586	565	508	413	379	375	374
Total:	1,902	1,812	1,592	1,237	1,106	1,092	1,088

31 New residential construction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	114	121	112	73	61	55	54
Indirect Purchases	39	37	33	27	25	25	25
Total:	153	159	146	100	86	80	79

Note: Numbers may not add due to rounding

32 New non-residential building construction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26,000	23,864	21,457	15,964	13,471	12,909	12,786
Indirect Purchases	23	24	17	15	13	15	16
Total:	26,023	23,888	21,474	15,978	13,484	12,924	12,802

33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,614	6,765	5,901	3,702	2,834	2,533	2,438
Indirect Purchases	6	7	5	3	3	3	3
Total:	6,620	6,772	5,906	3,705	2,837	2,536	2,441

34 Maintenance and repair of residential structures

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	534	518	447	315	273	267	266
Indirect Purchases	198	188	169	141	129	128	128
Total:	732	705	616	456	402	395	394

Note: Numbers may not add due to rounding

35 Maintenance and repair of nonresidential buildings, infrastructure and other

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,118	7,999	7,112	5,591	4,885	4,809	4,803
Indirect Purchases	6,038	5,852	5,342	4,521	4,212	4,173	4,174
Total:	15,156	13,852	12,454	10,112	9,096	8,982	8,978

36 Dog and cat food

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	33	31	33	32	32	32	32
Indirect Purchases	1	1	1	1	1	1	1
Total:	34	32	34	33	32	33	33

37 Other animal food

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	14	15	15	14	14	15
Indirect Purchases	235	227	226	205	196	197	197
Total:	250	241	241	220	210	211	212

Note: Numbers may not add due to rounding

38 Flour milling and malt

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	25	23	25	24	23	24	24
Indirect Purchases	52	50	51	46	44	45	45
Total:	77	74	76	70	68	69	69

39 Wet corn milling

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	91	88	85	74	70	70	70
Total:	91	88	85	74	70	70	70

40 Soybean and other oilseed processing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	83	78	83	81	79	80	81
Indirect Purchases	173	168	165	147	140	141	141
Total:	256	246	248	228	219	221	222

Note: Numbers may not add due to rounding

41 Fats and oils refining and blending

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	9	8	8	8	8
Indirect Purchases	70	68	67	60	57	57	57
Total:	79	76	75	68	64	65	65

42 Breakfast cereals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	33	35	33	32	33	33
Indirect Purchases	4	4	4	3	3	3	3
Total:	38	37	39	36	35	36	36

43 Sugar manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	17	19	18	18	18	18
Indirect Purchases	52	51	52	48	46	46	47
Total:	71	68	70	66	63	64	64

Note: Numbers may not add due to rounding

44 Chocolate

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	131	124	132	128	124	126	127
Indirect Purchases	31	30	30	27	26	26	26
Total:	162	154	162	155	151	153	154

45 Nonchocolate confectionery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	54	51	54	52	51	52	52
Indirect Purchases	14	13	12	10	9	9	9
Total:	68	64	66	62	60	61	61

46 Frozen food manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	99	94	100	96	93	95	95
Indirect Purchases	60	58	54	46	43	43	43
Total:	159	151	154	142	137	138	138

Note: Numbers may not add due to rounding

47 Fruit and vegetable canning, pickling, and drying

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	198	190	203	193	187	191	192
Indirect Purchases	119	115	108	93	87	87	86
Total:	318	305	312	285	274	277	278

48 Fluid milk and butter

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	185	180	194	180	175	178	179
Indirect Purchases	88	86	83	72	68	68	68
Total:	273	266	277	253	243	246	247

49 Cheese

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	84	83	89	82	80	81	81
Indirect Purchases	158	154	145	123	115	115	115
Total:	243	237	234	205	195	196	196

Note: Numbers may not add due to rounding

50 Dry, condensed, and evaporated dairy product manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	33	33	35	32	31	32	32
Indirect Purchases	48	46	44	38	36	36	36
Total:	81	79	79	70	67	67	67

51 Ice cream and frozen desserts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	33	36	33	32	33	33
Indirect Purchases	83	80	74	63	59	59	58
Total:	117	113	110	96	91	91	92

52 Animal (except poultry) slaughtering, rendering, and processing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	672	636	677	652	636	647	651
Indirect Purchases	535	515	501	445	422	423	423
Total:	1,207	1,151	1,178	1,097	1,058	1,070	1,074

Note: Numbers may not add due to rounding

53 Poultry processing(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	222	211	225	215	210	213	215
Indirect Purchases	189	183	173	150	141	141	141
Total:	411	394	398	365	351	355	356

54 Seafood product preparation and packaging(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	53	50	53	51	50	51	51
Indirect Purchases	110	107	98	83	77	77	77
Total:	163	157	152	134	128	128	128

55 Bread and bakery products(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	273	260	276	263	256	260	262
Indirect Purchases	78	76	68	57	52	52	51
Total:	351	335	344	320	308	312	313

Note: Numbers may not add due to rounding

56 Cookies, crackers and tortillas

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	99	95	101	96	94	95	96
Indirect Purchases	28	27	25	21	20	20	20
Total:	128	122	126	118	114	115	116

57 Snack foods

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	162	153	162	157	153	155	156
Indirect Purchases	44	43	39	33	31	30	30
Total:	206	196	202	190	184	186	187

58 Coffee and tea

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	23	22	24	22	21	22	22
Indirect Purchases	31	30	28	24	22	22	22
Total:	53	52	52	46	43	44	44

Note: Numbers may not add due to rounding

59 Flavoring syrup and concentrate

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	3	2	2	2
Indirect Purchases	291	282	277	247	235	236	236
Total:	294	284	280	250	237	238	239

60 Seasonings and dressings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	131	123	131	126	123	125	126
Indirect Purchases	73	70	66	57	53	53	53
Total:	203	194	197	183	176	178	179

61 All other food

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	69	87	101	69	62	65	64
Indirect Purchases	73	71	67	58	54	54	54
Total:	142	158	168	127	116	119	117

Note: Numbers may not add due to rounding

62 Soft drinks and ice

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	341	326	343	321	310	315	317
Indirect Purchases	83	81	74	62	58	57	57
Total:	425	407	417	383	368	372	374

63 Breweries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	19	18	16	13	12	12	12
Total:	19	18	16	14	13	12	12

64 Wineries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	1	0	0	0	0	0
Indirect Purchases	33	32	29	24	22	22	21
Total:	33	32	29	24	22	22	22

Note: Numbers may not add due to rounding

65 Distilleries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	62	60	54	45	41	41	41
Total:	62	60	54	45	41	41	41

66 Tobacco product manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	141	132	141	137	134	136	137
Indirect Purchases	5	4	5	4	4	4	4
Total:	145	137	145	141	138	140	141

67 Fiber, yarn, and thread mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	0	0	0
Indirect Purchases	279	267	263	224	213	211	212
Total:	280	268	264	225	213	212	212

Note: Numbers may not add due to rounding

68 Fabric mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	11	10	7	6	5	5
Indirect Purchases	905	870	860	735	701	698	698
Total:	916	881	870	742	706	703	704

69 Textile and fabric finishing mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	22	27	8	4	5	4
Indirect Purchases	805	769	763	649	617	614	612
Total:	814	791	789	657	621	619	616

70 Carpet and rug mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	9	8	6	5	6	6
Indirect Purchases	152	148	128	108	102	100	105
Total:	163	157	136	114	108	106	111

Note: Numbers may not add due to rounding

71 Curtain and linen mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	9	9	8	8	7	8
Indirect Purchases	25	24	22	18	17	17	17
Total:	34	33	31	27	25	25	25

72 Other textile products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	550	555	472	297	236	232	230
Indirect Purchases	518	506	474	394	377	377	381
Total:	1,068	1,060	946	692	613	609	611

73 Apparel knitting mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	25	23	25	22	22	22	22
Indirect Purchases	37	36	37	32	30	30	30
Total:	63	59	61	54	53	53	52

Note: Numbers may not add due to rounding

74 Cut and sew apparel

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,860	2,752	2,837	2,515	2,454	2,464	2,456
Indirect Purchases	404	388	374	320	303	302	302
Total:	3,264	3,140	3,211	2,834	2,757	2,766	2,758

75 Apparel accessories and other apparel

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,484	3,247	3,291	2,835	2,722	2,719	2,706
Indirect Purchases	242	227	230	200	192	192	192
Total:	3,726	3,475	3,521	3,035	2,914	2,911	2,898

76 Footwear and other leather products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	268	264	267	226	217	218	217
Indirect Purchases	164	157	147	122	114	114	114
Total:	432	421	414	348	331	332	331

Note: Numbers may not add due to rounding

77 Sawmills and wood preservation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	997	926	807	622	547	535	530
Total:	998	927	808	622	548	536	531

78 Veneer, plywood, particleboard, and engineered wood products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	8	11	2	0	0	0
Indirect Purchases	497	470	421	319	278	269	266
Total:	498	478	432	321	278	270	266

79 Wood windows and doors and millwork

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	4	3	2	1	1	1
Indirect Purchases	588	551	486	370	323	315	311
Total:	592	555	489	372	325	317	313

Note: Numbers may not add due to rounding

80 Wood containers and pallets

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	84	77	68	50	47	46	47
Indirect Purchases	160	153	135	104	93	91	91
Total:	244	230	203	155	139	138	138

81 Manufactured homes (mobile homes)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	19	16	9	7	6	5
Indirect Purchases	5	4	4	3	3	3	3
Total:	23	23	20	13	9	8	8

82 Prefabricated wood buildings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	11	10	7	6	6	5
Indirect Purchases	95	90	80	59	50	48	47
Total:	105	101	90	66	56	54	53

Note: Numbers may not add due to rounding

83 All other miscellaneous wood products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	2	1	1	1	1
Indirect Purchases	165	160	146	119	110	107	106
Total:	167	162	147	121	111	108	107

84 Pulp mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	137	134	122	103	96	95	95
Total:	137	134	122	103	96	95	95

85 Paper and paperboard mills

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	87	81	84	79	77	78	78
Indirect Purchases	2,333	2,289	2,062	1,724	1,604	1,594	1,596
Total:	2,420	2,370	2,146	1,803	1,681	1,672	1,674

Note: Numbers may not add due to rounding

86 Paperboard container manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	12	12	6	4	3	3
Indirect Purchases	1,220	1,200	1,102	907	844	840	836
Total:	1,230	1,213	1,114	913	848	844	839

87 Coated and laminated paper, packaging paper and plastics film

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	12	11	8	7	7	7
Indirect Purchases	362	353	318	267	248	246	247
Total:	374	365	329	275	255	253	253

88 All other paper bag and coated and treated paper manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	14	15	15	14	14	14
Indirect Purchases	89	87	82	70	66	66	67
Total:	105	102	98	85	80	80	81

Note: Numbers may not add due to rounding

89 Stationery product manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	2	2	1	1	1
Indirect Purchases	87	84	76	64	60	59	60
Total:	90	87	78	66	61	61	61

90 Sanitary paper product manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	2	2	2	2	2
Indirect Purchases	20	19	19	18	18	18	18
Total:	22	21	22	20	20	20	20

91 All other converted paper products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	25	25	22	21	22	22
Indirect Purchases	43	42	40	36	34	34	34
Total:	69	66	65	58	55	56	56

Note: Numbers may not add due to rounding

92 Printing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,178	3,112	2,699	2,402	2,268	2,265	2,292
Indirect Purchases	1,611	1,580	1,428	1,193	1,108	1,099	1,102
Total:	4,789	4,692	4,127	3,595	3,376	3,365	3,393

93 Support activities for printing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	12	10	9	8	8	9
Indirect Purchases	248	243	216	183	170	169	169
Total:	260	255	226	192	179	177	178

94 Petroleum refineries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	27,218	25,067	23,524	19,916	18,332	18,306	18,388
Indirect Purchases	16,799	15,942	14,603	12,145	11,188	11,095	11,108
Total:	44,017	41,009	38,127	32,061	29,519	29,402	29,496

Note: Numbers may not add due to rounding

95 Asphalt products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	21	16	9	6	6	6
Indirect Purchases	804	760	679	521	454	440	437
Total:	827	781	695	530	461	446	443

96 Lubricating and other petroleum products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20	23	22	18	17	17	17
Indirect Purchases	711	683	624	511	468	463	464
Total:	732	706	645	529	485	480	481

97 Petrochemicals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	0	0	0	0
Indirect Purchases	1,289	1,258	1,158	958	889	885	885
Total:	1,290	1,259	1,159	958	890	886	886

Note: Numbers may not add due to rounding

98 Industrial gases

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	26	25	14	11	12	11
Indirect Purchases	350	342	312	261	243	240	240
Total:	372	369	337	275	255	252	251

99 Synthetic dyes and pigments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	2	2	2	2
Indirect Purchases	267	262	238	194	181	180	179
Total:	270	265	241	196	183	182	182

100 Other basic inorganic chemicals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	26	22	15	13	13	13
Indirect Purchases	1,175	1,133	1,027	866	804	797	801
Total:	1,201	1,159	1,050	882	817	810	814

Note: Numbers may not add due to rounding

101 Other basic organic chemicals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	10	9	7	6	6	6
Indirect Purchases	2,388	2,336	2,131	1,765	1,638	1,629	1,629
Total:	2,398	2,347	2,140	1,772	1,644	1,635	1,635

102 Plastics materials and resins

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	33	33	29	23	20	20	21
Indirect Purchases	2,533	2,503	2,278	1,836	1,710	1,702	1,691
Total:	2,567	2,536	2,307	1,859	1,730	1,722	1,712

103 Synthetic rubber

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	2	2	1	1	1	1
Indirect Purchases	235	231	205	168	155	153	154
Total:	236	233	206	169	156	154	155

Note: Numbers may not add due to rounding

104 Artificial and synthetic fibers and filaments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	2	1	1	0	0	0
Indirect Purchases	440	428	403	330	305	301	303
Total:	441	429	404	330	306	301	304

105 Fertilizers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	285	274	253	208	189	186	186
Total:	286	274	253	208	189	187	186

106 Pesticides and other agricultural chemicals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	5	3	2	2	2
Indirect Purchases	122	118	114	100	94	94	94
Total:	129	124	119	103	96	96	96

Note: Numbers may not add due to rounding

107 Pharmaceuticals and medicines

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	489	486	486	401	369	373	372
Indirect Purchases	937	898	877	785	743	746	748
Total:	1,426	1,384	1,363	1,186	1,113	1,118	1,120

108 Paints and coatings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	30	29	24	17	14	14	14
Indirect Purchases	1,068	1,056	949	732	682	687	673
Total:	1,098	1,085	973	748	696	701	687

109 Adhesives

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	7	6	4	4	4	4
Indirect Purchases	242	234	210	171	156	155	155
Total:	250	241	216	175	160	159	159

Note: Numbers may not add due to rounding

110 Soaps and cleaning compounds

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	394	371	391	378	368	374	376
Indirect Purchases	522	506	468	403	377	374	375
Total:	916	877	859	781	745	747	751

111 Toilet preparations

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	12	13	12	12	12	12
Indirect Purchases	36	35	32	28	26	26	26
Total:	49	47	45	40	38	38	38

112 Printing ink

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	343	337	300	255	238	237	238
Total:	344	338	301	256	239	238	239

Note: Numbers may not add due to rounding

113 All other chemical products and preparations

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	879	828	745	638	590	603	631
Indirect Purchases	1,366	1,340	1,202	1,010	936	925	932
Total:	2,244	2,168	1,948	1,648	1,526	1,528	1,563

114 Plastics packaging materials and unlaminated film and sheet

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	28	27	26	23	21	22	22
Indirect Purchases	1,014	1,022	942	752	710	713	704
Total:	1,042	1,048	969	775	732	735	726

115 Plastics pipe, fittings, and profile shapes

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	39	33	22	19	19	19
Indirect Purchases	713	756	734	538	519	539	504
Total:	754	795	767	560	538	557	523

Note: Numbers may not add due to rounding

116 Laminated plastics plate, sheet (except packaging), and shapes

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6	6	6	4	3	3	3
Indirect Purchases	120	121	112	89	85	85	84
Total:	126	128	117	93	88	89	88

117 Plastic foam products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	11	9	6	4	4	4
Indirect Purchases	440	424	383	315	288	284	287
Total:	451	435	392	320	293	289	291

118 Plastic bottles

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	1	1	1	0	0	0
Indirect Purchases	124	120	115	102	98	98	100
Total:	125	121	116	103	98	99	101

Note: Numbers may not add due to rounding

119 Other plastics products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	76	79	73	56	50	50	50
Indirect Purchases	3,183	3,145	2,837	2,338	2,186	2,163	2,161
Total:	3,259	3,224	2,910	2,394	2,237	2,213	2,211

120 Tires

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	57	63	57	39	35	35	33
Indirect Purchases	445	382	291	224	190	186	187
Total:	502	446	348	263	225	220	220

121 Rubber and plastics hoses and beltings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	15	14	9	7	7	7
Indirect Purchases	103	99	87	68	62	61	61
Total:	117	115	100	77	69	68	68

Note: Numbers may not add due to rounding

122 Other rubber products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	48	49	41	26	22	22	23
Indirect Purchases	571	557	484	399	367	360	356
Total:	619	605	525	426	389	382	379

123 Pottery, ceramics, and plumbing fixtures

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	15	15	14	14	14	14
Indirect Purchases	91	88	78	60	53	51	51
Total:	106	102	94	75	67	65	65

124 Clay building materials and refractories

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	7	6	3	2	2	2
Indirect Purchases	297	281	251	192	168	163	160
Total:	305	288	257	196	171	165	163

Note: Numbers may not add due to rounding

125 Glass and glass products, exc containers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	64	53	35	21	14	13	14
Indirect Purchases	743	737	676	522	484	484	466
Total:	807	790	711	543	498	497	479

126 Glass containers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27	26	25	22	21	21	21
Total:	27	26	25	22	21	21	21

127 Cement

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	241	231	206	159	140	135	134
Total:	241	231	207	160	140	135	134

Note: Numbers may not add due to rounding

128 Ready-mix concrete

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	0	0	0
Indirect Purchases	509	486	434	329	285	275	272
Total:	510	487	435	330	286	275	272

129 Concrete pipe, brick, and blocks

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	213	205	183	142	125	120	120
Total:	214	207	185	143	125	121	120

130 Other concrete products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	23	21	14	11	10	9
Indirect Purchases	444	424	381	292	256	248	245
Total:	466	447	402	306	267	258	254

Note: Numbers may not add due to rounding

131 Lime and gypsum products(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	0	0	0
Indirect Purchases	258	248	218	168	149	145	144
Total:	260	249	220	168	149	146	144

132 Abrasive products(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	33	29	23	16	13	13	14
Indirect Purchases	295	291	259	210	195	192	192
Total:	328	320	282	226	208	205	206

133 Cut stone and stone products(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	169	158	142	106	91	87	86
Total:	169	159	142	107	91	88	87

Note: Numbers may not add due to rounding

134 Other non-metallic mineral products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	6	6	3	2	2	2
Indirect Purchases	215	209	185	146	133	130	132
Total:	219	215	191	149	135	132	134

135 Primary ferrous metal products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	57	57	47	26	18	18	18
Indirect Purchases	7,191	7,086	6,274	4,824	4,464	4,452	4,353
Total:	7,248	7,143	6,321	4,850	4,483	4,470	4,371

136 Primary aluminum production

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	7	6	4	4	4	4
Indirect Purchases	1,257	1,193	1,006	826	760	737	748
Total:	1,263	1,200	1,012	830	764	741	752

Note: Numbers may not add due to rounding

137 Aluminum product manufacturing from purchased aluminum

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	120	106	87	68	56	53	53
Indirect Purchases	2,207	2,086	1,733	1,403	1,288	1,257	1,272
Total:	2,327	2,192	1,820	1,470	1,344	1,310	1,326

138 Primary smelting and refining of copper

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	0	0	0	0	0	0
Indirect Purchases	557	563	539	458	436	416	417
Total:	558	563	539	459	437	416	417

139 Primary smelting and refining of nonferrous metal (except copper and aluminum)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	714	713	643	531	494	478	476
Total:	715	714	644	532	495	479	476

Note: Numbers may not add due to rounding

140 Copper rolling, drawing, extruding and alloying

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6	6	5	4	3	3	3
Indirect Purchases	1,266	1,234	1,091	911	842	816	827
Total:	1,272	1,241	1,096	915	845	819	830

141 Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	15	16	7	6	6	6
Indirect Purchases	990	976	848	695	661	658	678
Total:	1,001	992	864	703	667	664	684

142 Ferrous metal foundries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	5	3	2	2	2
Indirect Purchases	1,037	1,027	908	717	664	657	651
Total:	1,044	1,033	913	720	666	659	653

Note: Numbers may not add due to rounding

143 Nonferrous metal foundries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	3	3	2	2	2	2
Indirect Purchases	670	667	591	486	458	452	460
Total:	672	669	593	488	459	454	461

144 Forging and stamping

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	39	36	31	24	21	20	20
Indirect Purchases	2,206	2,289	2,112	1,669	1,599	1,618	1,573
Total:	2,245	2,325	2,143	1,693	1,620	1,638	1,593

145 Cutlery, utensils, pots, and pans

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	13	11	5	3	3	3
Indirect Purchases	144	142	122	106	103	102	111
Total:	158	155	133	111	107	106	114

Note: Numbers may not add due to rounding

146 Handtools

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	324	297	228	132	92	86	82
Indirect Purchases	183	176	154	124	114	114	114
Total:	507	473	382	256	206	200	197

147 Plate work and fabricated structural products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	325	328	282	189	152	145	146
Indirect Purchases	2,814	2,777	2,527	1,984	1,816	1,794	1,758
Total:	3,139	3,105	2,810	2,173	1,968	1,939	1,904

148 Ornamental and architectural metal products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	34	29	22	19	19	19
Indirect Purchases	2,461	2,188	1,745	1,371	1,206	1,200	1,247
Total:	2,495	2,222	1,774	1,392	1,225	1,219	1,266

Note: Numbers may not add due to rounding

149 Power boilers and heat exchangers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	196	189	146	137	161	171	189
Indirect Purchases	122	117	104	81	72	70	70
Total:	318	305	250	217	232	241	259

150 Metal tanks (heavy gauge)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	57	50	36	24	19	19	19
Indirect Purchases	81	79	71	52	45	43	42
Total:	139	129	107	75	64	62	62

151 Metal cans, boxes, and other metal containers (light gauge)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	122	137	128	84	71	71	72
Indirect Purchases	403	392	348	281	260	260	261
Total:	526	530	476	365	331	331	334

Note: Numbers may not add due to rounding

152 Ammunition

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,366	4,377	3,955	3,331	2,995	2,938	3,126
Indirect Purchases	25	26	22	19	18	18	19
Total:	4,391	4,403	3,977	3,350	3,013	2,956	3,146

153 Arms, ordnance, and accessories

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,959	2,753	2,436	2,258	2,127	2,098	2,181
Indirect Purchases	22	21	18	17	16	16	17
Total:	2,981	2,774	2,454	2,275	2,142	2,115	2,197

154 Hardware manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	135	150	153	108	99	100	99
Indirect Purchases	736	743	663	565	536	521	523
Total:	871	893	815	673	634	622	621

Note: Numbers may not add due to rounding

155 Springs and wire products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	30	26	17	14	13	14
Indirect Purchases	202	197	172	141	129	127	128
Total:	231	227	198	158	143	141	142

156 Machine shops

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	92	92	81	67	62	60	57
Indirect Purchases	2,088	2,028	1,787	1,470	1,367	1,359	1,372
Total:	2,180	2,120	1,868	1,538	1,429	1,419	1,429

157 Turned products and screws, nuts, and bolts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	31	70	85	27	16	18	15
Indirect Purchases	1,699	1,637	1,393	1,143	1,073	1,068	1,097
Total:	1,730	1,707	1,478	1,170	1,089	1,086	1,113

Note: Numbers may not add due to rounding

158 Coating, engraving, heat treating and allied activities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	38	35	28	21	17	17	16
Indirect Purchases	1,467	1,423	1,256	1,051	976	972	985
Total:	1,505	1,458	1,285	1,072	994	988	1,002

159 Metal valves

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	84	101	97	67	62	63	60
Indirect Purchases	2,095	2,164	2,006	1,589	1,520	1,545	1,512
Total:	2,179	2,264	2,104	1,656	1,582	1,608	1,573

160 Ball and roller bearings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	28	32	13	10	10	9
Indirect Purchases	408	401	354	286	266	263	263
Total:	424	428	386	299	276	273	273

Note: Numbers may not add due to rounding

161 Fabricated pipe and pipe fittings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	10	13	3	1	1	1
Indirect Purchases	229	226	202	161	148	143	141
Total:	232	236	215	164	149	145	142

162 Other fabricated metal products

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	263	259	216	146	120	116	114
Indirect Purchases	800	772	680	549	500	492	494
Total:	1,063	1,031	896	695	620	608	608

163 Farm machinery and equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6	6	5	3	2	2	2
Indirect Purchases	35	33	31	26	24	24	23
Total:	41	39	36	29	27	26	26

Note: Numbers may not add due to rounding

164 Lawn and garden equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	2	1	1	1
Indirect Purchases	11	10	9	8	7	7	7
Total:	14	14	12	9	8	8	8

165 Construction machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	262	274	239	145	107	96	93
Indirect Purchases	120	135	137	92	91	97	86
Total:	382	409	375	237	198	193	180

166 Mining and oil and gas field machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	5	4	3	3	3
Indirect Purchases	67	65	59	49	46	45	46
Total:	72	70	64	53	49	49	49

Note: Numbers may not add due to rounding

167 Other industrial machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	190	187	158	107	87	85	85
Indirect Purchases	133	131	117	98	91	91	91
Total:	323	318	275	205	178	176	176

168 Plastics and rubber industry machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	11	10	7	5	5	5
Indirect Purchases	15	15	14	11	10	10	10
Total:	26	26	23	18	16	16	15

169 Semiconductor machinery manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	7	5	5	5	5
Indirect Purchases	50	49	45	38	36	35	35
Total:	58	57	52	44	41	40	40

Note: Numbers may not add due to rounding

170 Vending, commercial, industrial, and office machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	135	140	140	141	145	148	148
Indirect Purchases	56	56	50	42	40	40	40
Total:	191	195	190	183	185	187	188

171 Optical instruments and lenses

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,549	1,453	1,176	899	788	768	779
Indirect Purchases	108	103	96	85	79	79	80
Total:	1,657	1,557	1,272	984	868	847	859

172 Photographic and photocopying equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	58	57	52	38	34	35	34
Indirect Purchases	6	6	5	4	4	4	4
Total:	63	63	57	42	38	38	38

Note: Numbers may not add due to rounding

173 Other commercial and service industry machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,514	1,544	1,305	955	822	807	805
Indirect Purchases	85	85	74	59	54	53	56
Total:	1,600	1,629	1,378	1,014	877	860	861

174 Air purification and ventilation equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	45	44	38	25	20	20	20
Indirect Purchases	156	150	133	105	93	90	90
Total:	201	194	171	129	113	110	110

175 Heating equipment (except warm air furnaces)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	9	8	4	3	3	3
Indirect Purchases	159	151	134	105	92	89	89
Total:	168	160	142	109	95	92	91

Note: Numbers may not add due to rounding

176 Air conditioning, refrigeration, and warm air heating equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	222	220	187	131	111	110	110
Indirect Purchases	741	682	591	456	396	385	384
Total:	963	902	778	587	507	495	495

177 Industrial molds

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	2	2	2	1	1
Indirect Purchases	212	211	184	163	162	162	177
Total:	215	214	187	165	164	163	178

178 Metal cutting and forming machine tools

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	159	158	136	90	75	73	73
Indirect Purchases	77	76	66	53	48	47	48
Total:	236	234	202	143	124	121	121

Note: Numbers may not add due to rounding

179 Special tools, dies, jigs, and fixtures

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	10	8	6	5	5	5
Indirect Purchases	268	267	233	207	206	206	226
Total:	278	277	241	212	211	210	231

180 Cutting tool and machine tool accessories

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	13	11	7	6	6	6
Indirect Purchases	464	463	413	347	334	332	343
Total:	477	476	424	354	340	338	349

181 Rolling mill and other metalworking machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	11	10	7	6	6	6
Indirect Purchases	8	8	7	6	5	5	5
Total:	20	19	17	12	11	11	12

Note: Numbers may not add due to rounding

182 Turbine and turbine generator set units

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	222	216	183	124	101	105	115
Indirect Purchases	426	503	532	345	354	389	336
Total:	647	719	715	468	456	494	451

183 Speed changers and mechanical power transmission equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	163	212	234	141	136	152	151
Indirect Purchases	680	771	767	514	509	540	479
Total:	843	983	1,001	655	645	692	630

184 Other engine equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	106	111	95	62	50	50	49
Indirect Purchases	1,442	1,745	1,860	1,160	1,202	1,331	1,128
Total:	1,548	1,856	1,955	1,222	1,252	1,380	1,177

Note: Numbers may not add due to rounding

185 Pump and pumping equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	143	160	152	98	83	81	80
Indirect Purchases	63	60	54	42	38	37	37
Total:	205	220	206	140	121	119	117

186 Air and gas compressors

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	43	43	39	27	24	24	23
Indirect Purchases	19	18	16	13	12	11	11
Total:	62	62	56	40	35	35	35

187 Material handling equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	479	377	305	251	244	245	257
Indirect Purchases	366	345	309	237	209	203	201
Total:	845	721	614	488	453	448	458

Note: Numbers may not add due to rounding

188 Power-driven handtool manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	10	8	6	5	5	5
Indirect Purchases	6	5	5	4	3	3	3
Total:	16	15	13	10	8	8	8

189 Other general purpose machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	794	769	589	409	342	330	331
Indirect Purchases	314	297	264	203	178	174	172
Total:	1,108	1,066	853	612	521	504	504

190 Packaging machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	2	1	1	1
Indirect Purchases	4	4	3	3	3	2	3
Total:	7	7	6	5	4	4	4

Note: Numbers may not add due to rounding

191 Industrial process furnaces and ovens

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	12	10	7	6	6	6
Indirect Purchases	8	8	7	5	5	5	5
Total:	20	20	17	12	11	11	11

192 Fluid power process machinery

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	17	17	14	9	7	7	7
Indirect Purchases	738	764	696	534	513	523	504
Total:	755	780	710	543	520	529	511

193 Computers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,987	2,925	2,364	1,863	1,655	1,615	1,666
Indirect Purchases	234	228	187	149	134	131	133
Total:	3,221	3,153	2,551	2,012	1,789	1,746	1,800

Note: Numbers may not add due to rounding

194 Computer storage devices

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	293	298	254	202	181	178	180
Indirect Purchases	543	532	447	362	327	319	324
Total:	836	830	701	564	508	497	504

195 Computer terminals and other computer peripherals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	706	686	601	487	450	435	430
Indirect Purchases	757	743	654	551	511	505	509
Total:	1,462	1,429	1,255	1,038	961	940	940

196 Telephone apparatus

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	934	964	790	675	611	583	578
Indirect Purchases	222	214	191	159	147	145	146
Total:	1,156	1,179	981	834	757	728	724

Note: Numbers may not add due to rounding

197 Broadcast and wireless communications equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,176	7,257	6,085	5,444	5,181	5,051	5,105
Indirect Purchases	2,681	2,716	2,335	2,111	2,037	2,013	2,102
Total:	9,857	9,972	8,421	7,555	7,218	7,065	7,207

198 Other communications equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,461	2,448	2,088	1,806	1,694	1,664	1,717
Indirect Purchases	125	120	107	86	78	77	77
Total:	2,586	2,568	2,195	1,892	1,772	1,741	1,794

199 Audio and video equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	101	99	89	70	64	63	64
Indirect Purchases	98	93	77	66	60	59	60
Total:	199	192	166	136	124	122	124

Note: Numbers may not add due to rounding

200 Semiconductors and electron tubes

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	107	116	104	79	72	71	71
Indirect Purchases	3,446	3,447	3,033	2,639	2,487	2,451	2,483
Total:	3,553	3,563	3,137	2,718	2,559	2,522	2,554

201 All other electronic components

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,851	2,861	2,704	2,538	2,383	2,307	2,293
Indirect Purchases	4,171	4,161	3,673	3,202	3,016	2,971	3,010
Total:	7,022	7,022	6,377	5,741	5,400	5,278	5,302

202 Electromedical and electrotherapeutic apparatus

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	70	71	64	55	45	45	47
Indirect Purchases	116	113	103	95	91	91	94
Total:	185	184	167	150	136	137	141

Note: Numbers may not add due to rounding

203 Search, detection, and navigation instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20,081	19,609	17,440	16,334	15,740	15,674	16,379
Indirect Purchases	826	867	783	661	631	622	612
Total:	20,908	20,477	18,223	16,995	16,371	16,296	16,991

204 Automatic environmental controls

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	37	38	35	26	24	24	23
Indirect Purchases	76	72	64	51	45	44	44
Total:	113	111	99	76	69	67	67

205 Industrial process variable instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	154	155	133	111	104	103	105
Indirect Purchases	171	167	149	130	123	122	124
Total:	325	322	282	241	226	225	229

Note: Numbers may not add due to rounding

206 Totalizing fluid meters and counting devices

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	17	17	15	10	8	8	8
Indirect Purchases	82	76	64	52	47	47	47
Total:	98	93	79	62	56	55	55

207 Electricity and signal testing instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	301	304	270	238	226	221	222
Indirect Purchases	170	169	148	133	127	125	129
Total:	471	473	418	372	353	347	352

208 Analytical laboratory instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	346	332	273	194	160	155	153
Indirect Purchases	237	240	212	185	173	170	171
Total:	583	572	486	378	333	325	324

Note: Numbers may not add due to rounding

209 Irradiation apparatus manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	232	220	176	132	109	105	103
Indirect Purchases	13	12	12	11	10	10	10
Total:	245	233	187	142	119	115	113

210 Watch, clock, and other measuring and controlling devices

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	515	522	451	334	294	288	285
Indirect Purchases	382	385	340	298	279	271	274
Total:	897	908	791	632	573	560	559

211 Software, audio, and video media reproducing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	60	59	55	45	42	42	42
Indirect Purchases	136	133	118	99	91	90	90
Total:	197	192	174	144	133	131	132

Note: Numbers may not add due to rounding

212 Magnetic and optical recording media

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	19	17	14	14	13	13
Indirect Purchases	122	119	106	89	82	81	82
Total:	140	138	124	103	96	95	96

213 Electric lamp bulbs and parts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	9	7	7	7	7
Indirect Purchases	32	31	27	22	19	19	19
Total:	40	39	36	29	26	26	26

214 Lighting fixtures

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	34	33	23	21	21	21
Indirect Purchases	622	583	523	398	343	331	328
Total:	652	617	556	421	364	352	349

Note: Numbers may not add due to rounding

215 Small electrical appliances

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	41	38	34	26	23	22	22
Total:	42	40	35	27	24	23	23

216 Household cooking appliances

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	2	1	1	1
Indirect Purchases	13	12	11	9	8	8	8
Total:	16	15	13	10	9	9	9

217 Household refrigerators and home freezers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	5	4	3	3	3
Indirect Purchases	4	4	3	3	2	2	2
Total:	9	9	8	7	6	6	6

Note: Numbers may not add due to rounding

218 Household laundry equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	4	4	3	3	3	3
Indirect Purchases	3	3	2	2	2	2	2
Total:	7	7	6	5	5	5	5

219 Other major household appliances

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	7	7	6	5	5	5
Indirect Purchases	25	23	19	14	11	11	11
Total:	32	29	26	20	17	16	16

220 Power, distribution, and specialty transformers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	48	55	52	32	26	24	23
Indirect Purchases	288	257	205	169	151	150	160
Total:	336	312	257	202	177	174	184

Note: Numbers may not add due to rounding

221 Motors and generators

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	183	211	202	140	124	114	109
Indirect Purchases	554	565	520	397	371	373	362
Total:	737	776	722	538	495	487	471

222 Switchgear and switchboard apparatus

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	60	65	59	42	36	35	35
Indirect Purchases	308	296	260	201	179	175	174
Total:	368	361	319	244	215	210	210

223 Relays and industrial controls

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	31	34	31	22	19	18	17
Indirect Purchases	592	594	542	445	423	425	424
Total:	623	629	573	467	442	442	441

Note: Numbers may not add due to rounding

224 Storage batteries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	27	32	11	6	6	5
Indirect Purchases	104	101	89	73	67	66	66
Total:	116	128	121	84	73	72	71

225 Primary battery manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	19	18	12	9	9	9
Indirect Purchases	11	11	10	8	8	8	8
Total:	30	31	28	20	17	17	17

226 Communication and energy wires and cables

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	61	68	69	62	61	63	63
Indirect Purchases	1,328	1,307	1,164	974	899	879	881
Total:	1,389	1,375	1,233	1,035	960	942	944

Note: Numbers may not add due to rounding

227 Wiring devices

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	32	30	17	14	14	14
Indirect Purchases	558	540	477	393	357	348	351
Total:	583	572	507	410	371	362	364

228 Carbon and graphite and miscellaneous electrical equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	443	484	430	360	336	350	374
Indirect Purchases	347	348	309	263	246	238	238
Total:	791	832	739	623	582	589	612

229 Automobiles

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,332	996	496	361	257	255	300
Indirect Purchases	6	6	5	4	3	3	3
Total:	1,338	1,002	501	365	261	258	304

Note: Numbers may not add due to rounding

230 Heavy duty trucks

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	259	227	163	122	100	97	99
Indirect Purchases	63	52	34	23	17	16	17
Total:	322	278	197	145	117	113	116

231 Motor vehicle bodies

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	314	251	154	101	70	68	71
Indirect Purchases	29	23	13	9	7	7	7
Total:	343	274	168	110	77	74	78

232 Truck trailer manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,739	2,719	1,403	906	536	498	541
Indirect Purchases	14	10	5	4	2	2	2
Total:	3,753	2,730	1,409	910	538	500	544

Note: Numbers may not add due to rounding

233 Motor homes, trailers and campers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	149	123	80	52	37	35	36
Indirect Purchases	204	160	100	70	51	49	51
Total:	353	283	179	122	88	84	87

234 Motor vehicle parts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	350	348	277	149	103	103	105
Indirect Purchases	3,648	3,306	2,670	2,106	1,862	1,834	1,842
Total:	3,998	3,655	2,947	2,255	1,965	1,937	1,947

235 Aircraft

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	31,605	31,802	27,810	24,468	23,792	23,289	24,733
Indirect Purchases	177	173	157	136	127	125	125
Total:	31,782	31,975	27,968	24,603	23,919	23,413	24,858

Note: Numbers may not add due to rounding

236 Aircraft engines and engine parts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,061	6,452	5,768	5,235	5,098	4,935	4,944
Indirect Purchases	4,590	4,770	4,275	3,809	3,647	3,514	3,523
Total:	10,651	11,222	10,043	9,044	8,746	8,450	8,467

237 Other aircraft parts and auxiliary equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10,927	11,398	10,165	8,842	8,479	8,010	7,798
Indirect Purchases	3,422	3,498	3,088	2,698	2,554	2,463	2,464
Total:	14,349	14,895	13,253	11,540	11,034	10,473	10,262

238 Guided missiles and space vehicles

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12,407	12,966	11,128	11,086	10,681	10,926	11,626
Indirect Purchases	324	334	290	283	269	271	285
Total:	12,731	13,299	11,418	11,369	10,950	11,197	11,911

Note: Numbers may not add due to rounding

239 Propulsion units and parts for space vehicles and guided missiles

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,440	1,402	1,202	1,144	1,083	1,093	1,145
Indirect Purchases	1,594	1,644	1,416	1,386	1,319	1,338	1,415
Total:	3,034	3,046	2,618	2,530	2,402	2,431	2,559

240 Railroad rolling stock

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	6	5	4	4	3
Indirect Purchases	102	95	86	69	63	62	62
Total:	110	103	92	74	67	66	66

241 Ship building and repairing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15,062	19,710	22,245	13,266	14,299	16,268	13,377
Indirect Purchases	207	211	199	158	152	158	152
Total:	15,269	19,922	22,444	13,424	14,451	16,427	13,529

Note: Numbers may not add due to rounding

242 Boat building

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	184	171	137	109	98	97	102
Indirect Purchases	35	42	45	29	30	33	29
Total:	220	213	182	138	129	130	131

243 Motorcycles, bicycles, and parts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	11	6	4	3	3	3
Indirect Purchases	12	11	10	8	7	7	7
Total:	26	22	16	12	10	10	10

244 Military armored vehicles, tanks, and tank components

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,428	4,815	2,518	1,772	1,343	1,415	1,781
Indirect Purchases	276	196	95	66	50	57	76
Total:	6,705	5,012	2,613	1,838	1,392	1,472	1,857

Note: Numbers may not add due to rounding

245 All other transportation equipment

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	170	150	109	84	72	70	72
Indirect Purchases	21	19	15	12	10	10	10
Total:	191	169	124	96	82	81	82

246 Wood kitchen cabinet and countertops

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	217	206	186	143	127	124	122
Total:	218	207	187	143	127	124	122

247 Household and institutional furniture

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	219	205	216	181	154	148	150
Indirect Purchases	100	98	87	73	67	66	67
Total:	319	303	303	254	221	214	217

Note: Numbers may not add due to rounding

248 Office furniture (including fixtures)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	320	310	286	194	160	150	152
Indirect Purchases	171	160	145	111	96	92	92
Total:	491	470	431	305	255	243	244

249 Mattresses, blinds and shades

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	7	8	6	5	5	5
Indirect Purchases	13	15	16	10	10	11	10
Total:	20	22	23	16	15	16	15

250 Laboratory apparatus and furniture

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	47	47	40	27	22	22	22
Indirect Purchases	3	3	3	2	2	2	2
Total:	50	50	43	29	24	24	24

Note: Numbers may not add due to rounding

251 Surgical and medical instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	313	343	315	220	192	192	190
Indirect Purchases	224	214	215	194	185	187	187
Total:	537	557	530	414	377	379	377

252 Surgical appliances and supplies

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	410	394	334	211	167	163	161
Indirect Purchases	296	287	274	236	221	221	220
Total:	706	681	609	447	388	384	382

253 Dental equipment and supplies

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	40	34	24	21	20	20
Indirect Purchases	29	27	27	23	22	22	22
Total:	69	67	60	47	43	43	43

Note: Numbers may not add due to rounding

254 Ophthalmic goods

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,948	1,835	1,924	1,849	1,795	1,818	1,827
Indirect Purchases	19	19	19	17	16	17	17
Total:	1,967	1,854	1,943	1,865	1,811	1,835	1,844

255 Dental laboratories

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	4	3	2	1	1	1
Indirect Purchases	52	48	48	42	40	40	41
Total:	56	53	51	45	42	42	42

256 Jewelry and silverware

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	2	2	2	2
Indirect Purchases	17	17	15	12	11	11	11
Total:	21	20	18	14	13	13	13

Note: Numbers may not add due to rounding

257 Sporting and athletic goods

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	316	294	285	255	247	247	248
Indirect Purchases	27	25	24	21	20	20	20
Total:	343	320	309	276	267	267	268

258 Dolls, toys, and games

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	7	5	4	4	4
Indirect Purchases	2	2	2	2	1	1	1
Total:	11	10	9	6	5	5	5

259 Office supplies (except paper)

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	44	43	39	30	27	26	26
Indirect Purchases	87	85	77	63	58	58	58
Total:	132	129	115	93	85	84	84

Note: Numbers may not add due to rounding

260 Sign manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	21	18	13	12	12	12
Indirect Purchases	22	21	19	14	13	12	12
Total:	44	42	37	28	25	24	24

261 Gasket, packing, and sealing devices

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	18	18	8	6	6	6
Indirect Purchases	266	266	236	198	184	184	186
Total:	278	284	255	206	190	190	192

262 Musical instruments

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	6	4	4	4	4
Indirect Purchases	6	6	5	4	4	4	4
Total:	14	13	12	9	8	8	8

Note: Numbers may not add due to rounding

263 All other miscellaneous manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	381	429	428	287	249	251	245
Indirect Purchases	210	207	195	162	152	151	150
Total:	592	636	623	449	401	402	396

264 Broom, brush, and mop manufacturing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	35	33	30	25	23	22	22
Total:	36	35	32	26	24	23	23

265 Wholesale trade

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,663	6,096	6,241	4,494	4,051	4,127	4,093
Indirect Purchases	17,565	17,202	15,470	12,739	11,867	11,773	11,780
Total:	23,228	23,298	21,710	17,233	15,919	15,900	15,873

Note: Numbers may not add due to rounding

266 Retail trade

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,572	3,424	3,429	3,073	2,922	2,945	2,965
Indirect Purchases	1,542	1,456	1,302	1,045	941	926	926
Total:	5,115	4,880	4,731	4,118	3,862	3,872	3,891

267 Air transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,754	15,748	14,754	12,788	12,033	12,013	12,034
Indirect Purchases	2,491	2,467	2,203	1,854	1,756	1,746	1,789
Total:	19,245	18,215	16,958	14,642	13,789	13,759	13,823

268 Rail transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,804	4,378	3,942	3,202	2,906	2,870	2,876
Indirect Purchases	1,811	1,745	1,565	1,270	1,167	1,152	1,145
Total:	6,615	6,123	5,507	4,472	4,073	4,022	4,021

Note: Numbers may not add due to rounding

269 Water transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,142	6,775	6,237	5,223	4,829	4,801	4,811
Indirect Purchases	423	416	380	341	320	314	312
Total:	7,565	7,191	6,617	5,564	5,150	5,115	5,123

270 Truck transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,235	8,418	7,580	6,138	5,561	5,491	5,503
Indirect Purchases	5,555	5,392	4,873	4,007	3,703	3,653	3,637
Total:	14,791	13,810	12,453	10,145	9,264	9,145	9,140

271 Transit and ground passenger transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	533	500	448	365	335	332	331
Indirect Purchases	844	831	749	617	570	566	563
Total:	1,378	1,331	1,197	981	905	898	894

Note: Numbers may not add due to rounding

272 Pipeline transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	14	10	6	4	3	3
Indirect Purchases	1,070	1,011	925	768	706	701	702
Total:	1,085	1,024	935	773	710	705	706

273 Scenic and sightseeing transportation and support activities for transportation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,244	4,134	3,732	3,137	2,919	2,880	2,902
Indirect Purchases	4,435	4,228	3,884	3,279	3,050	3,030	3,036
Total:	8,679	8,363	7,616	6,416	5,969	5,909	5,938

274 Couriers and messengers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	81	76	77	70	67	68	68
Indirect Purchases	3,227	3,104	2,819	2,321	2,138	2,118	2,119
Total:	3,307	3,180	2,895	2,391	2,205	2,186	2,188

Note: Numbers may not add due to rounding

275 Warehousing and storage(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,623	5,144	4,635	3,731	3,375	3,333	3,340
Indirect Purchases	2,257	2,203	2,005	1,653	1,539	1,532	1,530
Total:	7,880	7,346	6,640	5,384	4,913	4,866	4,869

276 Newspaper publishers(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	2	2	2	2
Indirect Purchases	17	17	15	13	12	12	12
Total:	20	20	18	15	14	14	14

277 Periodical publishers(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	48	46	41	31	28	28	28
Indirect Purchases	143	141	128	109	102	100	100
Total:	191	187	169	141	130	128	128

Note: Numbers may not add due to rounding

278 Book publishers(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	106	101	94	78	74	74	75
Indirect Purchases	116	113	103	87	81	80	80
Total:	222	214	197	165	155	154	155

279 Directory, mailing list, and other publishers(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	50	50	45	36	33	33	33
Indirect Purchases	237	231	207	170	155	153	153
Total:	287	282	252	206	189	187	186

280 Software publishers(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	773	709	597	479	431	467	588
Indirect Purchases	2,885	2,901	2,525	2,163	2,043	2,030	2,060
Total:	3,658	3,610	3,122	2,642	2,475	2,497	2,648

Note: Numbers may not add due to rounding

281 Motion picture and video industries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	132	130	121	101	93	93	93
Indirect Purchases	1,563	1,506	1,348	1,109	1,023	1,014	1,020
Total:	1,695	1,636	1,469	1,210	1,116	1,108	1,113

282 Sound recording industries

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	4	3	2	2	2	2
Indirect Purchases	98	95	86	71	66	65	66
Total:	102	99	89	73	68	67	68

283 Radio and television broadcasting

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	24	23	20	18	18	18
Indirect Purchases	420	410	367	304	282	280	282
Total:	445	435	390	323	300	298	301

Note: Numbers may not add due to rounding

284 Cable and internet

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	41	39	34	25	22	22	22
Indirect Purchases	1,170	1,129	1,010	832	766	758	760
Total:	1,211	1,168	1,044	857	788	781	782

285 Telecommunications

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	17,481	16,355	14,556	11,894	10,905	10,826	10,883
Indirect Purchases	11,545	11,146	10,019	8,260	7,620	7,555	7,564
Total:	29,026	27,501	24,575	20,154	18,525	18,380	18,448

286 Data processing, hosting and internet service providers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	626	603	536	421	377	375	378
Indirect Purchases	3,643	3,615	3,282	2,716	2,538	2,526	2,506
Total:	4,269	4,218	3,818	3,137	2,915	2,901	2,884

Note: Numbers may not add due to rounding

287 Other information services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	257	262	230	188	174	172	178
Indirect Purchases	288	283	256	218	203	200	201
Total:	545	545	485	406	377	372	378

288 Monetary authorities and depository credit intermediation

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,320	9,139	8,269	6,878	6,398	6,344	6,346
Total:	9,320	9,139	8,270	6,878	6,398	6,344	6,346

289 Nondepository credit intermediation and related activities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	21	20	18	15	13	13	13
Indirect Purchases	3,372	3,276	2,979	2,452	2,275	2,262	2,252
Total:	3,393	3,296	2,997	2,467	2,288	2,276	2,265

Note: Numbers may not add due to rounding

290 Securities, commodity contracts, investments, and related activities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	223	225	238	194	185	188	186
Indirect Purchases	8,057	7,960	7,272	5,974	5,592	5,583	5,529
Total:	8,281	8,186	7,511	6,168	5,778	5,771	5,715

291 Insurance carriers

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,687	3,406	3,421	3,153	3,113	3,124	3,130
Indirect Purchases	6,328	6,157	5,582	4,679	4,335	4,293	4,292
Total:	10,015	9,564	9,003	7,832	7,449	7,417	7,422

292 Insurance agencies, brokerages, and related activities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	128	121	127	122	118	120	121
Indirect Purchases	3,278	3,136	2,940	2,545	2,413	2,401	2,401
Total:	3,406	3,257	3,067	2,666	2,531	2,521	2,522

Note: Numbers may not add due to rounding

293 Funds, trusts, and other financial vehicles

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		441	425	394	337	317	315	314
Total:		441	425	394	337	317	315	314

294 Real estate

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		6,307	5,518	4,911	4,111	3,666	3,637	3,654
Indirect Purchases		17,235	16,745	15,214	12,776	11,843	11,736	11,735
Total:		23,542	22,263	20,125	16,887	15,509	15,373	15,389

296 Automotive equipment rental and leasing

(Millions of 2013 dollars)

		2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		2,366	2,223	2,011	1,677	1,556	1,544	1,544
Indirect Purchases		3,149	3,099	2,800	2,325	2,161	2,142	2,138
Total:		5,515	5,322	4,811	4,002	3,716	3,686	3,682

Note: Numbers may not add due to rounding

297 General and consumer goods rental except video tapes and discs

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	56	52	42	26	19	18	18
Indirect Purchases	441	430	389	322	298	296	295
Total:	497	483	430	348	317	314	314

298 Video tape and disc rental

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	0	0	0	0	0	0	0

299 Commercial and industrial machinery and equipment rental and leasing

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	394	412	368	284	254	252	252
Indirect Purchases	3,058	2,933	2,665	2,201	2,030	2,008	2,016
Total:	3,452	3,345	3,033	2,485	2,283	2,260	2,267

Note: Numbers may not add due to rounding

300 Lessors of nonfinancial intangible assets

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	6,322	6,254	5,771	4,792	4,506	4,517	4,495
Total:	6,322	6,254	5,771	4,792	4,506	4,518	4,495

301 Legal services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	30	26	20	18	18	18
Indirect Purchases	6,602	6,487	5,874	4,933	4,598	4,559	4,560
Total:	6,630	6,517	5,901	4,954	4,617	4,577	4,578

302 Accounting, tax preparation, bookkeeping, and payroll services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	253	252	241	208	195	197	197
Indirect Purchases	4,316	4,225	3,817	3,152	2,919	2,896	2,887
Total:	4,570	4,477	4,057	3,360	3,115	3,093	3,084

Note: Numbers may not add due to rounding

303 Architectural, engineering, and related services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	47,046	48,770	42,747	36,883	34,327	33,706	33,502
Indirect Purchases	9,191	9,035	8,125	6,617	6,046	5,958	5,918
Total:	56,237	57,805	50,872	43,500	40,374	39,664	39,419

304 Specialized design services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	116	113	92	66	56	54	56
Indirect Purchases	2,498	2,533	2,278	1,957	1,849	1,845	1,854
Total:	2,614	2,646	2,370	2,023	1,904	1,900	1,910

305 Custom computer programming services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,891	3,727	3,248	2,515	2,200	2,151	2,160
Indirect Purchases	819	809	725	638	602	593	606
Total:	4,710	4,535	3,973	3,153	2,801	2,744	2,766

Note: Numbers may not add due to rounding

306 Computer systems design services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,072	3,863	3,452	2,752	2,476	2,431	2,432
Indirect Purchases	1,087	1,071	968	812	758	754	753
Total:	5,159	4,934	4,420	3,564	3,234	3,184	3,185

307 Other computer related services, including facilities management

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,931	7,731	7,218	6,121	5,709	5,717	5,753
Indirect Purchases	3,886	3,839	3,455	2,898	2,692	2,665	2,659
Total:	11,817	11,570	10,673	9,020	8,401	8,382	8,412

308 Management, scientific, and technical consulting services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,240	7,926	6,703	4,749	4,025	3,973	3,946
Indirect Purchases	7,523	7,495	6,805	5,628	5,250	5,222	5,166
Total:	15,764	15,421	13,508	10,377	9,275	9,194	9,111

Note: Numbers may not add due to rounding

309 Environmental and other technical consulting services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,946	1,837	1,583	1,167	1,017	996	996
Indirect Purchases	1,294	1,291	1,167	969	903	897	888
Total:	3,240	3,128	2,750	2,136	1,920	1,893	1,884

310 Scientific research and development services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	43,886	43,176	39,784	36,461	34,317	33,408	33,028
Indirect Purchases	4,406	4,428	4,012	3,396	3,219	3,220	3,213
Total:	48,292	47,605	43,796	39,857	37,536	36,628	36,241

311 Advertising and related services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,089	1,055	886	616	520	511	510
Indirect Purchases	9,777	9,578	8,631	7,248	6,788	6,740	6,814
Total:	10,866	10,633	9,517	7,865	7,307	7,251	7,324

Note: Numbers may not add due to rounding

312 All other miscellaneous professional, scientific, and technical services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,957	8,596	7,556	6,189	5,466	5,294	5,273
Indirect Purchases	4,385	4,367	3,952	3,318	3,101	3,075	3,049
Total:	13,342	12,963	11,508	9,507	8,567	8,369	8,323

313 Photographic services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	16	14	10	9	8	8
Indirect Purchases	161	160	143	119	110	108	108
Total:	179	176	156	129	118	117	117

314 Veterinary services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	22	20	15	13	13	13
Indirect Purchases	25	25	23	21	20	20	20
Total:	48	47	43	36	33	33	33

Note: Numbers may not add due to rounding

315 Management of companies and enterprises

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,099	26,734	23,985	20,360	19,082	18,920	19,025
Total:	27,099	26,734	23,985	20,360	19,082	18,921	19,025

316 Office administrative services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	716	674	598	455	404	401	403
Indirect Purchases	2,296	2,260	2,039	1,693	1,568	1,553	1,545
Total:	3,012	2,934	2,637	2,148	1,971	1,954	1,948

317 Facilities support services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,449	6,927	5,761	3,936	3,258	3,174	3,161
Indirect Purchases	540	539	484	412	387	386	388
Total:	7,989	7,466	6,245	4,348	3,645	3,559	3,548

Note: Numbers may not add due to rounding

318 Business support services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	361	339	279	193	158	155	157
Indirect Purchases	2,973	2,969	2,694	2,255	2,113	2,108	2,102
Total:	3,334	3,308	2,974	2,448	2,271	2,263	2,259

319 Investigation and security services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,140	1,087	932	675	583	575	575
Indirect Purchases	1,574	1,561	1,410	1,188	1,110	1,105	1,108
Total:	2,714	2,649	2,343	1,863	1,693	1,680	1,683

320 Services to buildings and dwellings

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,702	1,602	1,408	1,044	924	917	917
Indirect Purchases	4,263	4,166	3,782	3,197	2,972	2,936	2,923
Total:	5,965	5,768	5,191	4,241	3,896	3,852	3,840

Note: Numbers may not add due to rounding

321 Other support services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,184	1,103	1,002	789	714	713	715
Indirect Purchases	2,098	2,093	1,885	1,591	1,488	1,480	1,484
Total:	3,281	3,197	2,888	2,380	2,202	2,193	2,199

322 Employment services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	278	268	226	158	134	132	133
Indirect Purchases	8,712	8,568	7,715	6,462	5,989	5,934	5,934
Total:	8,990	8,836	7,941	6,620	6,123	6,067	6,067

323 Travel arrangement and reservation services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	24	22	17	10	7	7	6
Indirect Purchases	1,145	1,109	1,016	853	797	792	789
Total:	1,168	1,131	1,033	863	803	798	795

Note: Numbers may not add due to rounding

324 Waste management and remediation services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,017	4,713	3,865	2,481	1,943	1,880	1,875
Indirect Purchases	2,350	2,258	2,011	1,587	1,433	1,418	1,410
Total:	7,367	6,971	5,876	4,068	3,376	3,298	3,286

325 Elementary and secondary schools

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	27	29	28	27	28	28
Indirect Purchases	5	5	4	4	4	4	4
Total:	34	32	33	32	31	32	32

326 Junior colleges, colleges, universities, and professional schools

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,053	2,951	2,648	2,187	1,972	1,914	1,858
Indirect Purchases	137	134	121	103	96	96	98
Total:	3,191	3,085	2,770	2,290	2,069	2,010	1,956

Note: Numbers may not add due to rounding

327 Other educational services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,503	3,341	2,910	2,220	1,959	1,929	1,943
Indirect Purchases	88	86	77	63	58	58	58
Total:	3,591	3,427	2,987	2,283	2,017	1,987	2,002

328 Offices of physicians, dentists, and other health practitioners

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,872	5,484	5,382	4,752	4,485	4,523	4,549
Indirect Purchases	7	7	6	6	6	7	7
Total:	5,879	5,491	5,388	4,758	4,490	4,530	4,556

329 Medical and diagnostic labs and outpatient and other ambulatory care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,706	2,538	2,571	2,367	2,266	2,293	2,308
Indirect Purchases	331	312	314	288	276	279	281
Total:	3,037	2,850	2,885	2,655	2,542	2,572	2,589

Note: Numbers may not add due to rounding

330 Home health care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	479	451	478	464	453	460	464
Indirect Purchases	1	1	1	1	1	1	1
Total:	480	451	479	465	454	461	465

331 Hospitals

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,661	4,439	4,623	4,408	4,283	4,343	4,373
Indirect Purchases	11	11	10	10	10	11	11
Total:	4,672	4,450	4,633	4,419	4,293	4,355	4,384

332 Nursing and residential care facilities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	854	803	850	823	803	815	822
Indirect Purchases	2	2	2	2	2	2	2
Total:	856	805	851	824	805	817	823

Note: Numbers may not add due to rounding

333 Social assistance, except child day care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	345	338	296	219	189	182	178
Indirect Purchases	8	8	7	6	6	6	6
Total:	353	346	303	225	195	187	184

334 Child day care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	2	1	1	1	0
Indirect Purchases	8	8	7	6	6	6	6
Total:	10	11	10	7	6	6	7

335 Performing arts

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	22	21	17	12	10	10	10
Indirect Purchases	1,302	1,270	1,143	945	874	867	867
Total:	1,323	1,291	1,160	957	885	877	877

Note: Numbers may not add due to rounding

336 Museums, historical sites, zoos, and parks

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	9	8	5	4	4	4
Indirect Purchases	0	0	0	0	0	0	0
Total:	10	10	8	5	4	4	4

337 Spectator sports

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	5	4	3	2	2	2
Indirect Purchases	577	566	508	419	389	386	387
Total:	582	571	513	422	391	388	389

338 Amusements, gambling, & recreation activities

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	17	14	10	8	8	8
Indirect Purchases	305	301	272	224	208	207	206
Total:	322	318	286	234	216	215	214

Note: Numbers may not add due to rounding

339 Hotels and other accommodations

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,505	5,173	4,665	3,869	3,576	3,547	3,546
Indirect Purchases	2,608	2,587	2,325	1,931	1,805	1,794	1,803
Total:	8,113	7,761	6,991	5,800	5,382	5,341	5,349

340 Food services and drinking places

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,118	3,922	3,479	2,765	2,510	2,487	2,485
Indirect Purchases	6,494	6,392	5,773	4,816	4,472	4,435	4,420
Total:	10,613	10,314	9,252	7,581	6,982	6,922	6,905

341 Automotive repair, maintenance and car washes

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	635	527	339	227	165	155	158
Indirect Purchases	1,994	1,940	1,759	1,437	1,324	1,310	1,303
Total:	2,629	2,468	2,098	1,664	1,490	1,466	1,461

Note: Numbers may not add due to rounding

342 Electronic and precision equipment repair and maintenance

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,460	1,400	1,192	968	868	843	863
Indirect Purchases	1,052	1,035	935	781	723	715	711
Total:	2,513	2,435	2,127	1,748	1,591	1,558	1,574

343 Commercial and industrial machinery and equipment repair and maintenance

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,054	1,035	944	814	744	731	739
Indirect Purchases	1,866	1,820	1,650	1,350	1,245	1,232	1,226
Total:	2,920	2,855	2,594	2,165	1,990	1,963	1,964

344 Personal and household goods repair and maintenance

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	32	32	30	25	23	23	23
Indirect Purchases	872	841	752	607	553	545	543
Total:	905	874	782	632	576	568	566

Note: Numbers may not add due to rounding

345 Personal care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	2	2	2	2	2	2	2
Total:	4	4	3	3	2	2	3

346 Death care services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	3	2	1	1	1
Indirect Purchases	1	1	1	0	0	0	1
Total:	4	4	3	2	2	2	2

347 Dry-cleaning and laundry services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	139	131	110	75	63	63	62
Indirect Purchases	333	330	306	245	231	232	227
Total:	471	461	417	321	294	295	289

Note: Numbers may not add due to rounding

348 Other personal services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	76	76	68	53	48	48	48
Indirect Purchases	345	340	305	256	237	234	233
Total:	421	416	373	309	285	282	282

349 Religious, grantmaking, civic & professional organizations

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	58	56	49	36	31	31	31
Indirect Purchases	1,451	1,425	1,288	1,072	992	982	977
Total:	1,510	1,481	1,337	1,108	1,024	1,013	1,009

351 Postal service

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,791	2,596	2,275	1,873	1,717	1,698	1,698
Indirect Purchases	2,548	2,459	2,227	1,842	1,700	1,684	1,687
Total:	5,340	5,055	4,502	3,715	3,418	3,382	3,385

Note: Numbers may not add due to rounding

352 Other federal government enterprises

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	90	87	80	66	61	61	61
Total:	90	88	80	66	61	61	61

353 Other state and local government enterprises

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	506	491	443	365	336	333	331
Total:	506	491	443	365	336	333	331

354 General Federal defense government services

(Millions of 2013 dollars)

	2011	2012	2013	2014	2015	2016	2017
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	182,242	186,369	188,655	176,353	177,745	178,220	178,239
Indirect Purchases	161	188	148	161	174	207	218
Total:	182,403	186,556	188,803	176,514	177,920	178,427	178,457

Note: Numbers may not add due to rounding