

**PROJECTED DEFENSE PURCHASES:
DETAIL BY INDUSTRY AND STATE**

Calendar Years 2002 Through 2007



July 2002

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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 Program Analysis and Evaluation.

The report provides projections of direct and indirect (or defense-related) purchases from 50 major manufacturing industries. Estimates of defense-related employment and direct and indirect defense spending in each of the 50 states and the District of Columbia also are presented. 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: Projections for Selected Industries

Section III: Individual State Projections

Descriptions of table formats accompany the projections.

Additional copies of this report may be obtained on the PA&E public access web-site home page, <http://www.economics.osd.mil>. A feedback form for comments is attached at the end of the report.

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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 demands by 320 industries, broken out 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 97 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 100 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 320 industries.

The Office of Program Analysis and 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 and is updated annually.

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INTRODUCTION AND HIGHLIGHTS

This report presents estimates of defense purchases during calendar years 2002 – 2007 from 50 Standard Industrial Classification (SIC) industries that are major defense suppliers. The report also provides projections of defense-related employment and spending during the forecast years for each of the 50 states and the District of Columbia. The estimates are based on the President's budget submission of February 2002, and on the geographic distribution of the major components of defense spending in the recent past. This document is also available on the DEPPS web-site.¹ Supporting documentation, such as a more complete description of the model and data used to generate the estimates, is posted there as well.

The figures reported here are *projections*; they do not necessarily reflect what actual defense expenditures will be in various industries or states in future years. Purchases from particular industries will depend upon the size and composition of the defense budget enacted by the Congress. 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 benchmarks; they describe the future pattern of defense and defense-related expenditures, *assuming that each state's shares of the various components of defense activity remain as they have been in the recent past.*

The framework for the projections was redesigned in 1996, and the definitions of industries for which projections are reported also were revised. Consequently, comparisons of post-1996 projections with projections from prior years are inappropriate. The post-1996 framework 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 by 320 industries, broken out 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 97 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.

Two input-output models feed *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, called *Iliad* for Interindustry Long-run Integrated and

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

² The Directorate of Information Operations and Reports in the Washington Headquarters Services publishes comprehensive data on prime contract awards and personnel expenditures, by state, in the *Atlas/State Data Abstract for the United States*. The edition covering fiscal year 2000 is available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. It can also be obtained at <http://web1.whs.osd.mil/mmid/pubs.htm>.

Dynamic model, uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 320 industries.³

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.

Indirect (or defense-related) expenditures, by contrast, represent purchases—generated throughout the economy—of items used to produce goods bought by DoD. That is, indirect 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. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

“Indirect defense purchases resulting from direct pay,” shown in the state-level tables in Section III, refers to the production of goods and services used by DoD’s civilian and military employees. 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. Indirect defense purchases resulting from direct pay are *not* included in the industry estimates reported in Section II.

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 indirect 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 Congress authorizes DoD 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.⁴ (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.

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 all of the Defense Department’s military programs and the national security programs

³ The Office of Program Analysis and 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.

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 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* projections 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 administered by other agencies and DoD programs serving civil functions (principally public works projects of the U.S. Army Corps of Engineers). Disbursements of military retirement pay are also included in the *DEPPS* projections.

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 covers 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 (see below).
- The *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 covers purchases of weapons, equipment, and other military capital goods.
- The *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 covers the cost of constructing military facilities and of providing housing for military personnel and their dependents.

The *RDEPPS* projections include disbursements of military retirement pay from the Military Retirement Fund (Functional Category 602 in the *Budget of the United States Government*). This trust fund receives payments from the military personnel account of the defense budget (i.e., from Functional Category 051) as well as from the general fund in the federal budget; the balance in the Military Retirement Fund is invested in U.S. government securities and earns interest. Annual disbursements from the Military Retirement Fund are currently larger than DoD's annual payments into it. Much like the Social Security Trust Fund, the military retirement account uses current payments to fund current retirees.

The *DEPPS* projections include all outlays from the DoD military personnel account *except* payments *into* the Military Retirement Fund. Military pay and annuity payments to military retirees have different geographical patterns; accordingly, the projections use two

different, historically based distribution rules—one for military pay and one for retirement pay. Because the *RDEPPS* projections include disbursements of retirement pay, the summation across states of direct defense purchases exceed outlays from Category 051 by approximately \$20 billion.

Highlights of the Projections

The composition of projected defense purchases is quite different from the composition of all other purchases in the U.S. economy. Figure 1 presents information on the composition of projected defense and nondefense final purchases in 2003. A large proportion of defense purchases—37 percent—are made from manufacturing industries. By contrast, only about 31 percent of nondefense final purchases are made from the manufacturing sector of the economy. Similarly, services make up about 56 percent of defense final purchases but about 64 percent of nondefense final purchases. Compared to results from two years ago, the 2003 projections depict an 11 percent shift toward defense purchases of services. This change is driven by lower aircraft demand (industry 235) and by increased demand from research laboratories and management consulting (industry 290).

Figure 2 presents information on the composition of estimated defense and nondefense indirect purchases—the sales of tools, materials, and supplies used as intermediate goods in the production process. The manufacturing intensity of defense purchases is reflected in indirect defense purchases as well, although indirect defense purchases more closely resemble their nondefense counterparts. Manufacturing accounts for about 36 percent of projected defense indirect purchases and for about 34 percent of projected nondefense indirect purchases. Services make up about 60 percent of defense indirect purchases but about 54 percent of nondefense indirect purchases. Unlike direct defense purchases, the projections for indirect defense purchases are comparable results from two years ago.

This report lists the 50 non-food manufacturing industries with the largest (direct plus indirect) projected defense production. 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 from industries less obviously oriented toward defense activities (e.g., electronics, blast furnaces and steel mills, motor vehicle parts, industrial controls, telephone and telegraph equipment, and apparel).

Defense-Related Employment. Defense-related civilian employment (including the civilian employees of the Department of Defense) represents about 2 percent of projected total U.S. civilian employment in 2003. The composition of defense-related civilian employment (in 2003) differs somewhat from that of nondefense employment. The differences reflect the 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., precision production, craft, and repair) account for a large share of defense-related employment (16 percent), while service and agriculture workers account for a large proportion (22 percent) of nondefense employment (see Figure 3). Engineering workers also account for a larger share of defense-related employment (5 percent) than they do of nondefense employment (1 percent).

More detailed tabulations of defense-related employment (including a breakout of engineering and scientific personnel by specialty) are provided in Section I.

Defense Expenditures by State. Table 1 presents estimates of direct, indirect, and total (direct plus indirect) per capita defense expenditures in 2003 for each of the nine U.S. census divisions and for the United States as a whole. For each region and expenditure category, the table provides both estimates for the census region and a range of estimates corresponding to the upper and lower bounds of the estimates for the individual states within the region.

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. While New England, for example, ranks seventh among the nine regions in defense pay per capita, it ranks first in the level of projected defense purchases and third in projected total direct expenditures.

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.
- Eight regions contain at least one state in which total projected defense expenditures are less than 60 percent of the national average, and at least one state in which total projected expenditures are greater than 90 percent of the national average.
- Intraregional variation (the difference between the lowest and highest state estimate within a region) are greater than the variation among regional averages (the difference between the lowest and highest regional estimate) in three 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.

Limitations of the Projections

The projections of defense purchases presented in Section II show direct and indirect purchases from various SIC industries. They are intended to include all defense purchases, even goods and services produced in other countries.

By contrast, the state-level projections in Section III include only purchases and pay in the 50 states and the District of Columbia. They exclude expenditures made abroad or in U.S. territories outside the 50 states, the pay of military personnel stationed on ships in foreign waters, and expenditures for imported goods. In order to factor out such expenditures, historical data showing the distribution of military personnel are used and an assumption is made about the level of defense imports. Specifically, it is assumed that for the products of any given industry, imports constitute the same share of defense purchases as they do of civilian purchases. But

because the Defense Department is required to channel most of its purchases to domestic firms, and because defense purchases often represent specialized products, the percentage of defense purchases accounted for by imports may be lower than this assumption suggests. To the extent that this is the case, the projections will underestimate defense expenditures in the United States.

Comparisons with Previous Estimates

As noted above, the framework for the projections was redesigned in 1996, and the definitions of industries for which projections are reported have changed. This precludes reliable comparisons between pre- and post-1996 projections. Three additional factors influence the reliability of comparisons between the current estimates and other post-1996 projections: (1) internal changes in the *DEPPS* model; (2) differences between defense budgets resulting from changes in the Future Year Defense Program (FYDP); and (3) economic assumptions.

The internal structure of *DEPPS* is revised occasionally. Such was the case for this report. For this report, the derivation of nondefense expenditures by industry and state were revised. We had previously used projections from the DRI regional industry model. We now use projections from the INFORUM STEMS model, which provides output projections by state at the same industry classification as the LIFT model.⁵ In addition, the original subtranslator and translator data were updated to reflect the latest and largest (in dollar terms) weapons systems on which the government spends money. The new projections as seen in this publication depict a more stringent approach to ensuring all government money is accounted for. Structural changes such as this make it extremely difficult to compare projections over time. Most internal model changes, however, reflect revisions in data sets rather than changes in a model's fundamental architecture.

Changes in the defense budget overall 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. For example, the current projections for 2003 are based on a defense budget that is over 20 percent higher than the 2001 budget.

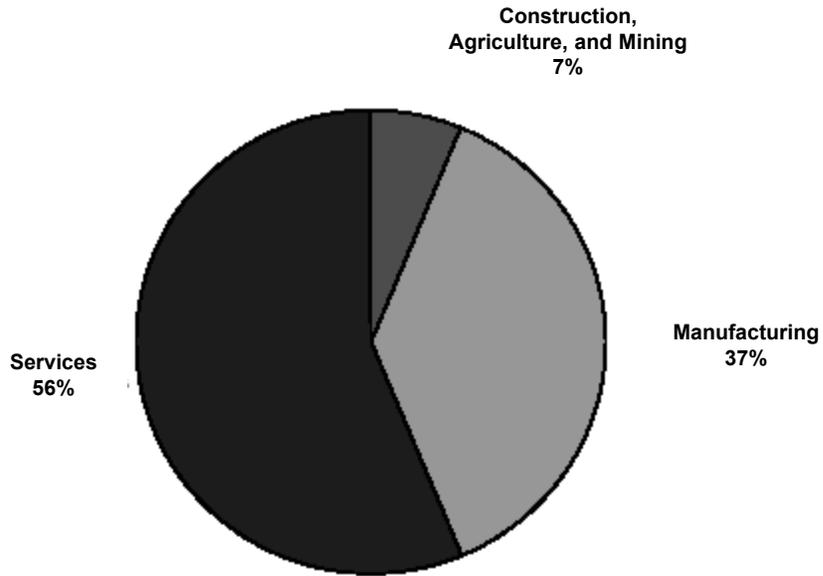
Finally, variability in the projections, and assumptions about the behavior of the economy as a whole and of specific sectors within the economy, also affect *DEPPS* outcomes. Many basic economic assumptions have been revised over the past year, in part due to the continued strong growth of the U.S. economy. The revised assumptions imply higher average productivity growth than was implicit in last year's projections. Other economic changes include higher global oil prices and higher interest rates. These changes affect the 2003 projections.

As this discussion illustrates, 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.

⁵ The baseline previously had been 1982 but was changed to 1987 to be consistent with the *Iliad* model.

Figure 1.
Composition of Defense and Nondefense Purchases for 2003

Direct Defense Purchases



Direct Nondefense Purchases

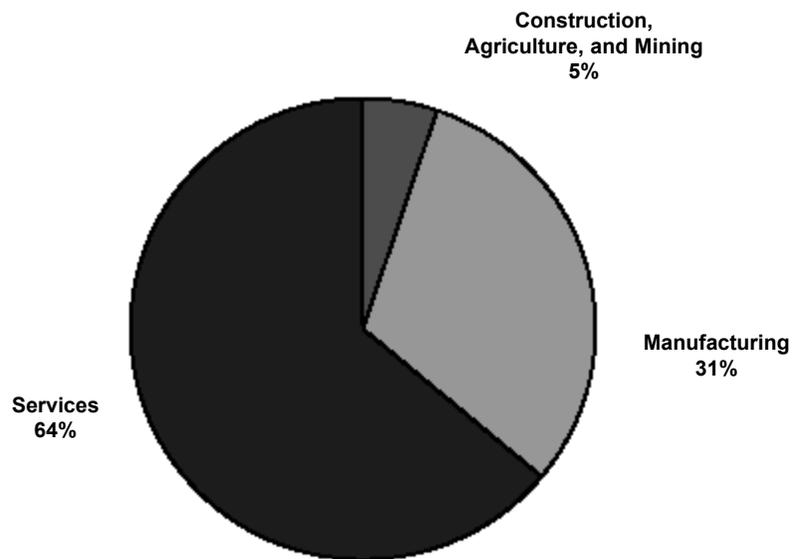
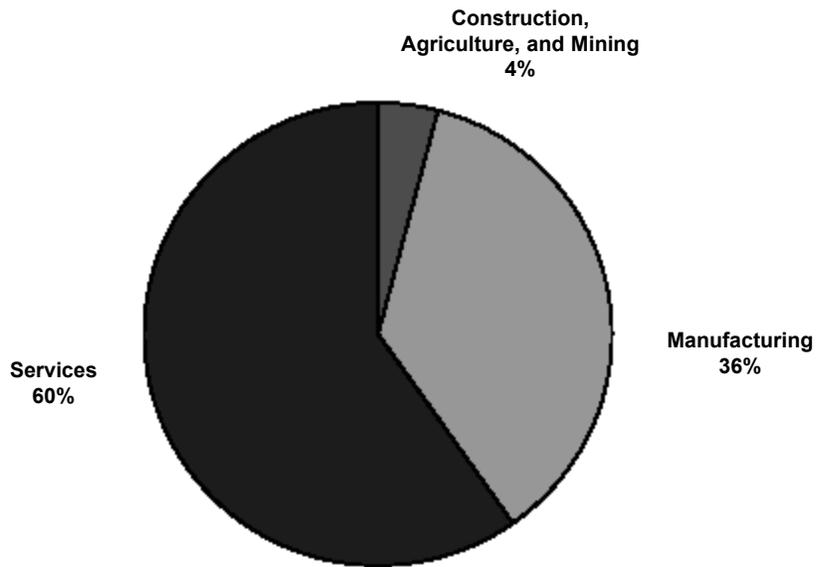


Figure 2.
Composition of Defense and Nondefense Purchases for 2003

Indirect Defense Purchases



Indirect Nondefense Purchases

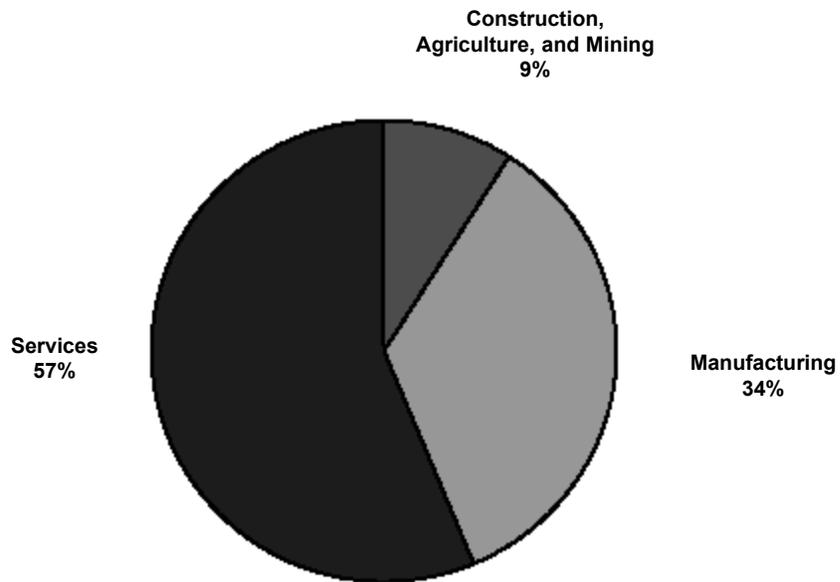
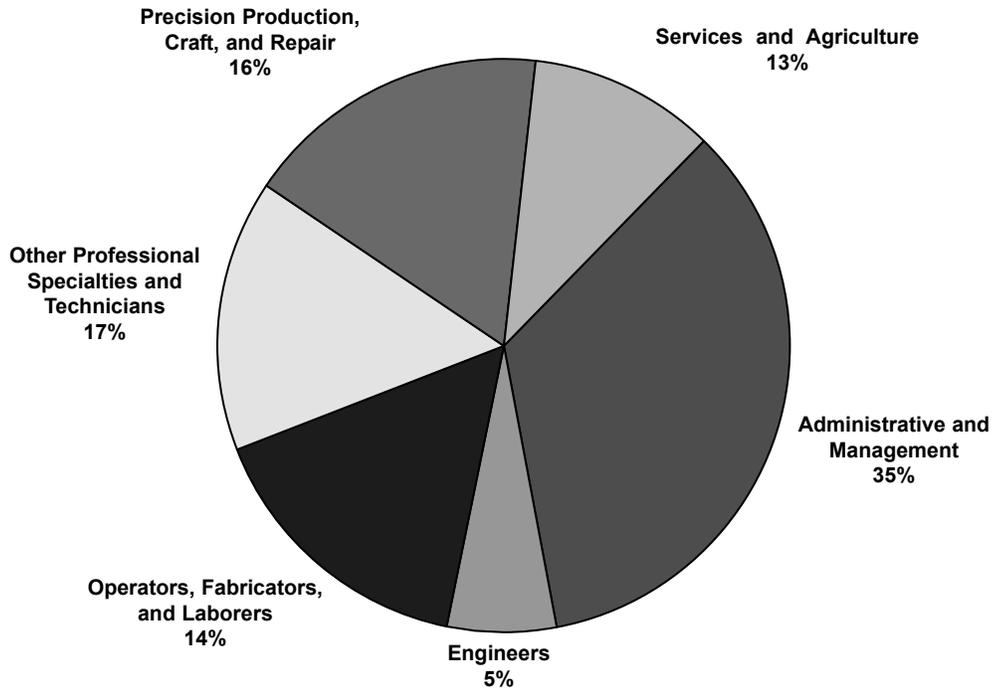


Figure 3.
Composition of Civilian Employment for 2003

Defense-Related Employment



Nondefense-Related Employment

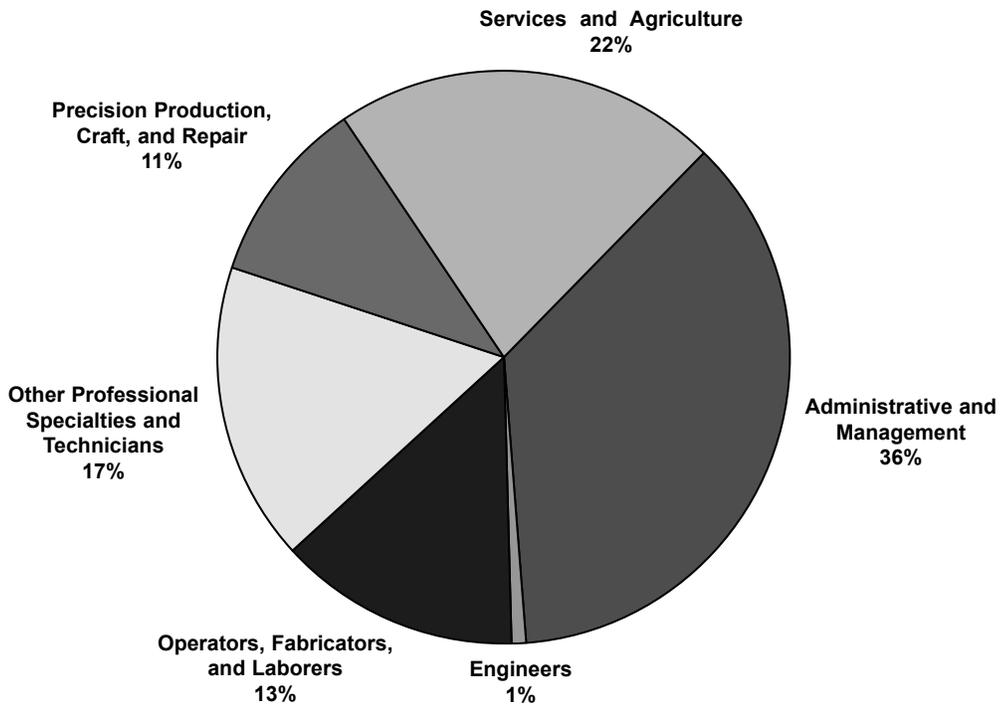


Table 1.
Estimated Defense Expenditures Per Capita, 2003
 (By region, in 2003 dollars)

Region	Direct			Indirect from Direct Purchases	
	Pay	Purchases	Total	Purchases	Total
New England	259 (174 - 649)	1219 (743 - 2236)	1478 (1242 - 2441)	708 (555 - 1478)	2186 (1946 - 3919)
Mid-Atlantic	247 (118 - 3807)	654 (261 - 8668)	901 (379 - 12475)	828 (312 - 10509)	1729 (691 - 22984)
South Atlantic	1055 (188 - 3569)	1427 (463 - 5423)	2482 (650 - 8712)	884 (568 - 3922)	3365 (1245 - 12633)
East North Central	223 (107 - 425)	420 (257 - 1464)	643 (413 - 1888)	581 (429 - 1263)	1223 (842 - 3152)
West North Central	273 (57 - 709)	555 (171 - 1045)	828 (228 - 1429)	457 (202 - 710)	1284 (429 - 1941)
East South Central	540 (246 - 720)	981 (654 - 1298)	1521 (901 - 2019)	919 (578 - 1432)	2440 (1479 - 3147)
West South Central	562 (374 - 914)	666 (430 - 724)	1228 (804 - 1530)	595 (484 - 666)	1823 (1430 - 2196)
Mountain	352 (121 - 737)	746 (173 - 1707)	1098 (294 - 2205)	409 (140 - 1093)	1506 (434 - 2911)
Pacific	571 (202 - 2772)	838 (253 - 2017)	1409 (455 - 4236)	581 (458 - 1330)	1990 (912 - 5192)
United States	494 (57 - 3807)	825 (171 - 8668)	1319 (228 - 12475)	657 (140 - 10509)	1976 (429 - 22984)

Source: RDEPPS calculations

NOTES: The numbers in parentheses reflect the lower and upper bounds of the estimates for individual states in the regions. The state population projections used for this table are from the Census Bureau, but have not yet incorporated data from the 2000 Decennial Census. New projections, based on that census should be available for next year's publication of DEPPS.

New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

Mid-Atlantic: New Jersey, New York, Pennsylvania

South Atlantic: Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia

East North Central: Illinois, Indiana, Michigan, Ohio, Wisconsin

West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota

East South Central: Alabama, Kentucky, Mississippi, Tennessee

West South Central: Arkansas, Louisiana, Oklahoma, Texas

Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming

Pacific: Alaska, California, Hawaii, Oregon, Washington

Table 2a.
Sources of Projected Direct Defense Purchases
Department of Defense
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	86,226	94,714	100,696	103,517	102,222	100,102
Operations & Maintenance	136,050	142,164	138,255	138,536	138,917	138,346
Procurement						
Aircraft	22,052	22,861	23,865	24,706	26,404	28,612
Missiles	4,293	4,308	4,755	5,631	6,339	6,379
Weapons and Tracked Vehicles	2,708	2,678	2,618	2,704	2,743	2,786
Ships and Conversions	8,337	9,014	9,225	10,067	10,354	10,605
Ammunition	173	169	201	196	195	191
Other	22,608	23,959	26,037	26,572	27,369	28,681
Total Procurement	60,173	62,989	66,702	69,876	73,403	77,255
RD&E	46,904	51,598	54,136	55,935	55,313	53,783
Military Construction	5,835	5,827	5,243	5,321	6,582	8,366
Family Housing and Homeowners Asst Prog	3,833	3,920	3,965	4,032	4,267	4,405
Defense-Wide Contingencies	290	269	130	54	25	14
Revolving and Management Funds	2,309	1,726	1,653	1,877	2,122	2,582
Trust & Receipts	-1,228	-669	-611	-595	-560	-529
Deductions, Intragovernment Receipts	-120	-119	-119	-118	-116	-115
Total Direct Defense	340,271	362,418	370,048	378,435	382,177	384,209

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Source: IDEPPS calculations

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

Table 2b.
Sources of Projected Indirect Defense Purchases
Department of Defense
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	13,626	15,467	17,011	18,887	17,844	16,167
Operations & Maintenance ^a	74,392	79,490	77,190	77,878	79,096	79,776
Aircraft	20,334	21,110	22,140	23,024	24,687	26,821
Missiles	3,453	3,504	3,918	4,675	5,265	5,286
Weapons and Tracked Vehicles	3,155	3,108	3,022	3,101	3,092	3,077
Ships and Conversions	6,449	6,933	7,107	7,809	8,057	8,257
Ammunition	138	133	159	155	155	153
Other	21,366	22,813	24,950	25,645	26,665	28,175
Total Procurement	54,894	57,601	61,296	64,410	67,921	71,769
Research, Development, Test, Evaluation	42,696	47,702	50,849	53,235	53,041	51,859
Military Construction	2,222	2,134	1,906	1,949	2,477	3,233
Family Housing	1,954	1,991	2,025	2,068	2,193	2,268
Total Indirect Defense Purchases	189,784	204,385	210,278	218,427	222,571	225,073

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

Source: IDEPPS calculations

Note: Numbers may not add to totals 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 3 presents estimates of total defense purchases from the 50 non-food/tobacco manufacturing industries leading in defense production in 2003. The estimates shown include both direct and indirect purchases. Table 4 presents estimates of defense-related employment by major occupational category, while Table 5 provides more detailed estimates of defense-related employment of engineers and scientists.

The remaining five tables present state-level information:

- The first three tables present estimates of *direct* defense expenditures, first in the aggregate and then by selected budget accounts. Table 6 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.) The next two tables break out the statewide estimates by budget category. Table 7 shows outlays arising from the procurement and RDT&E accounts, while Table 8 displays outlays resulting from the remaining accounts.
- The last two tables present estimates of *indirect* defense expenditures. Table 9 shows indirect expenditures arising from purchases made by the Department of Defense; Table 10 shows indirect expenditures deriving from the wages and salaries of DoD personnel and from military retirement pay.

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Table 3.
Projected Defense Purchases from 50 Non-Food/Tobacco Manufacturing Industries Leading in Defense Production in 2003
(In millions of 2003 dollars)

Ind #	Supplying Industry	2002	2003	2004	2005	2006	2007
235	Aircraft	11,802	12,916	13,278	13,671	13,867	14,459
237	Aircraft and Missile Parts and Auxiliary Equipment, n.e.c.	10,478	10,990	11,945	12,592	13,441	14,201
236	Aircraft and Missile Engines, Propulsion Units and Parts	10,009	10,566	11,262	11,899	12,484	12,823
238	Shipbuilding and Repairing	5,984	6,644	6,918	7,390	7,471	7,628
222	Semiconductors and Related Devices	4,940	5,537	6,006	6,414	6,782	7,069
220	Radio and TV Broadcasting and Communication Equipment	5,141	5,530	5,907	6,050	6,225	6,293
246	Search and Navigation Equipment	5,037	5,209	5,328	5,422	5,637	5,649
223	Electronic Components, n.e.c.	4,727	5,135	5,455	5,680	5,878	5,998
21	Guided Missiles and Space Vehicles	4,856	5,047	5,583	6,015	6,318	6,796
110	Petroleum Refining, Except Fuel Oil	4,070	4,279	4,321	4,470	4,499	4,477
118	Miscellaneous Plastic Products	3,500	3,804	3,893	4,036	4,124	4,197
22	Ammunition, Except Small Arms	3,010	3,323	3,557	3,764	3,921	4,160
90	Commercial Printing	2,784	2,994	3,012	3,091	3,136	3,159
198	Electronic Computers	2,668	2,809	2,878	2,877	2,937	2,953
221	Electron Tubes	2,375	2,643	2,806	2,935	2,936	2,855
174	Industrial Trucks, Tractors, Trailers, and Stackers	1,998	2,018	2,069	2,113	2,120	2,128
133	Steel Mills, Blast Furnaces, and Rolling and Finishing Mills	1,797	1,875	1,874	1,896	1,914	1,943
219	Telephones, Switchboards, Modems, Faxes, Etc.	1,716	1,807	1,879	1,864	1,869	1,881
96	Industrial Organic Chemicals	1,578	1,682	1,715	1,767	1,783	1,787
233	Motor Vehicles and Passenger Car Bodies	1,380	1,455	1,337	1,369	1,434	1,601
142	Other Nonferrous Rolling and Drawing Products, and Nonferrous Wire	1,295	1,387	1,451	1,511	1,563	1,606
78	Paper Mills, Including Building Paper	1,193	1,275	1,279	1,305	1,315	1,315
23	Tanks and Tank Components	1,242	1,265	1,215	1,217	1,192	1,192
61	Miscellaneous Fabricated Textile Products	1,147	1,259	1,336	1,457	1,410	1,324
111	Fuel Oil	1,167	1,232	1,240	1,283	1,263	1,226
234	Motor Vehicle Parts and Accessories	1,133	1,174	1,125	1,144	1,175	1,247
86	Newspaper Publishing and Printing	1,110	1,157	1,143	1,140	1,130	1,112
102	Plastics Materials and Resins	1,077	1,154	1,177	1,214	1,233	1,247
250	Surgical Appliances and Supplies	1,019	1,133	1,193	1,266	1,197	1,120
163	Pipes, Valves, and Pipe Fittings	1,026	1,104	1,143	1,200	1,238	1,271
199	Computer Peripheral Equipment	1,023	1,077	1,097	1,107	1,130	1,140
87	Periodical Publishing and Printing	970	1,051	1,080	1,122	1,141	1,149
95	Industrial Inorganic Chemicals	953	989	936	946	919	876
123	Glass and Glass Products, n.e.c.	893	978	1,013	1,051	1,058	1,045
59	Apparel	909	956	1,008	1,117	1,042	925
164	Fabricated Metal Products, n.e.c.	883	953	961	979	995	1,011
230	Electrical Machinery, Equipment and Supplies, n.e.c.	882	939	946	943	950	939
159	Metal Plating, Polishing, and Coating	846	921	976	1,024	1,067	1,101

Source: IDEPPS Calculations

Table 3. (continued)
Projected Defense Purchases from 50 Non-Food/Tobacco Manufacturing Industries Leading in Defense Production in 2003
(In millions of 2003 dollars)

Ind #	Supplying Industry	2002	2003	2004	2005	2006	2007
151	Fabricated Plate Work (Boiler Shops)	857	915	996	1,146	1,131	1,215
248	Measuring Devices and Environmental Controls	872	910	930	964	1,000	1,035
197	Industrial and Commercial Machinery, n.e.c.	832	898	930	969	996	1,020
141	Aluminum Rolling and Drawing Products	808	857	877	901	919	946
177	Special Dies, Jigs, Molds, and Cutting Tools	758	820	844	873	893	924
106	Drugs	773	800	719	717	713	711
192	Mechanical Power Transmission Equipment	711	760	784	833	873	922
165	Steam, Gas, and Hydraulic Turbines	683	750	716	732	830	852
26	Other Ordnance and Accessories	700	744	827	953	1,084	1,177
253	Laboratory and Optical Instruments	706	728	766	789	803	809
153	Screw Machine Products, Bolts and Nuts	673	717	739	762	783	811
25	Small Arms Ammunition	441	699	827	854	873	881

Table 4.
Projected Defense and Defense-Related Civilian Employment by Occupational Category
(Rounded to thousands of workers)

Occupational Category	2002	2003	2004	2005	2006	2007
Managerial and Administrative	194	204	201	201	198	193
Management Support	182	185	185	185	184	182
Engineers	161	160	159	159	158	157
Scientists	167	166	162	159	154	149
Other Professional Specialties	211	223	220	221	218	214
Technicians and Related Support	167	172	164	163	158	154
Marketing and Sales	153	160	159	159	155	150
Administrative Support (including Clerical)	593	621	618	623	618	609
Service	388	410	405	408	401	391
Agriculture, Forestry, Fishing and Related	32	34	34	34	34	34
Precision Production, Craft, and Repair	514	536	531	532	536	536
Operators, Fabricators, and Laborers	464	484	484	486	477	462
Total All Categories:	3,226	3,356	3,322	3,329	3,292	3,230

Source: LDEPPS calculations
Note: Numbers may not add to totals due to rounding.

Table 5.
Projected Defense and Defense-Related Civilian Employment of Engineers and Scientists
(Rounded to thousands of workers)

Occupational Category	2002	2003	2004	2005	2006	2007
Engineers						
Aeronautical and astronautical engineers	15	15	15	15	15	15
Chemical engineers	3	3	3	3	3	3
Civil engineers, including traffic engineers	20	20	20	20	20	20
Electrical and electronics engineers	60	59	59	58	58	57
Industrial engineers, except safety engineers	11	11	11	11	11	11
Mechanical engineers	30	30	30	30	30	30
Metallurgists and metallurgical, ceramic, and materials engineers	1	1	1	1	1	1
All other engineers	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>	<u>20</u>
Total Engineers	161	160	159	159	158	157
Scientists						
Architects and surveyors	5	5	6	6	6	5
Life scientists	3	3	3	3	3	3
Computer systems analysts, engineers, and scientists	129	128	125	121	116	111
Mathematicians and other mathematical scientists	3	3	3	3	3	3
Operations research analysts	8	8	8	9	9	9
Chemists	5	5	5	5	5	
Geologists, geophysicists, and oceanographers	1	1	1	1	1	1
Physicists and astronomers	0	0	0	0	0	0
All other physical scientists	5	5	5	5	5	5
Social scientists	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>
Total Scientists	167	166	162	159	154	149
Total Engineers and Scientists:	328	326	322	318	313	306

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Source: LDEPPS calculations

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

Table 6.
Projections of Total Direct Expenditures, by State
(Rounded to millions of 2003 dollars)

State	2002	2003	2004	2005	2006	2007
Alabama	8,628	9,139	9,382	9,586	8,721	8,704
Alaska	2,364	2,527	2,571	2,613	2,512	2,526
Arizona	10,713	11,233	11,014	11,165	10,316	10,459
Arkansas	2,020	2,132	2,153	2,192	1,795	1,816
California	42,981	45,652	46,480	47,490	44,044	44,348
Colorado	7,795	8,377	8,644	8,841	7,910	7,862
Connecticut	4,173	4,499	4,641	4,794	4,698	4,769
Delaware	778	831	843	854	740	740
District of Columbia	4,349	4,604	4,589	4,630	4,587	4,578
Florida	20,079	21,206	21,728	22,189	18,711	18,828
Georgia	15,748	16,873	17,422	17,835	16,499	16,416
Hawaii	4,954	5,290	5,404	5,470	5,209	5,202
Idaho	2,272	2,444	2,468	2,544	2,377	2,380
Illinois	6,194	6,583	6,740	6,878	6,380	6,395
Indiana	5,307	5,527	5,329	5,376	5,083	5,118
Iowa	1,319	1,392	1,455	1,492	1,385	1,417
Kansas	2,738	2,897	2,978	3,043	2,743	2,796
Kentucky	6,676	6,976	6,701	6,729	6,318	6,295
Louisiana	4,100	4,397	4,476	4,601	4,141	4,150
Maine	2,648	2,856	2,937	3,067	2,882	2,885
Maryland	14,932	15,811	15,975	16,259	15,458	15,448
Massachusetts	8,183	8,745	9,102	9,361	9,183	9,243
Michigan	3,977	4,140	4,151	4,250	3,931	3,985
Minnesota	3,228	3,439	3,527	3,629	3,466	3,509
Mississippi	4,538	4,853	4,979	5,149	4,688	4,751
Missouri	7,665	8,055	8,380	8,644	8,321	8,594
Montana	632	673	684	694	579	582
Nebraska	1,424	1,512	1,540	1,559	1,328	1,327
Nevada	2,321	2,461	2,484	2,533	2,078	2,097
New Hampshire	2,141	2,298	2,335	2,407	2,236	2,222
New Jersey	6,647	7,008	7,200	7,361	7,123	7,175
New Mexico	4,705	5,026	5,085	5,206	4,831	4,847
New York	7,637	8,100	8,347	8,559	8,218	8,315
North Carolina	7,562	8,072	8,307	8,416	7,132	7,131
North Dakota	1,343	1,459	1,486	1,523	1,479	1,482
Ohio	8,023	8,402	8,532	8,725	8,180	8,296
Oklahoma	5,044	5,306	5,397	5,476	4,961	4,995
Oregon	1,512	1,584	1,593	1,621	1,276	1,289
Pennsylvania	12,476	13,104	13,064	13,378	12,773	12,820
Rhode Island	1,331	1,406	1,430	1,452	1,359	1,361
South Carolina	5,307	5,624	5,729	5,817	4,932	4,981
South Dakota	565	602	614	623	534	533
Tennessee	4,851	5,160	5,232	5,368	4,613	4,566
Texas	25,619	27,096	27,780	28,412	25,387	25,885
Utah	2,939	3,090	3,142	3,201	3,010	3,017
Vermont	1,391	1,496	1,509	1,564	1,541	1,566
Virginia	36,453	38,723	39,339	39,929	37,237	37,306
Washington	9,376	9,981	10,262	10,459	9,185	9,142
West Virginia	1,120	1,191	1,200	1,233	1,095	1,095
Wisconsin	2,337	2,481	2,516	2,631	2,399	2,404
Wyoming	479	510	520	527	457	458
U.S. Total	351,596	372,841	379,394	387,356	356,040	358,110

Source: RDEPPS calculations

Table 7.
Projections of Total Direct Procurement and RDT&E Expenditures, by State
(Rounded to millions of 2003 dollars)

State	2002	2003	2004	2005	2006	2007
Alabama	3,937	4,285	4,527	4,703	4,717	4,681
Alaska	115	121	133	136	138	138
Arizona	3,640	3,860	4,087	4,264	4,439	4,630
Arkansas	109	114	120	125	129	133
California	15,581	16,765	17,772	18,522	18,904	19,160
Colorado	2,972	3,277	3,483	3,624	3,635	3,569
Connecticut	2,635	2,857	2,984	3,112	3,186	3,252
Delaware	78	84	89	91	92	92
District of Columbia	581	625	659	679	679	671
Florida	6,588	7,019	7,412	7,707	7,893	8,023
Georgia	6,995	7,596	7,969	8,261	8,314	8,258
Hawaii	269	283	295	302	303	302
Idaho	109	116	123	125	127	127
Illinois	1,160	1,218	1,280	1,331	1,369	1,404
Indiana	1,324	1,402	1,454	1,501	1,562	1,624
Iowa	726	769	828	855	890	920
Kansas	608	634	675	709	749	801
Kentucky	674	641	652	667	681	705
Louisiana	835	921	969	1,042	1,062	1,095
Maine	700	775	817	881	898	927
Maryland	4,181	4,488	4,767	4,942	5,021	5,054
Massachusetts	5,230	5,623	6,000	6,235	6,366	6,432
Michigan	1,377	1,414	1,416	1,453	1,483	1,526
Minnesota	1,517	1,623	1,711	1,778	1,824	1,856
Mississippi	1,411	1,537	1,617	1,734	1,771	1,834
Missouri	4,737	4,961	5,238	5,469	5,692	5,964
Montana	26	27	28	29	30	30
Nebraska	155	166	176	182	184	185
Nevada	163	173	183	190	196	200
New Hampshire	493	532	560	574	580	575
New Jersey	2,567	2,703	2,858	2,968	3,064	3,113
New Mexico	720	770	809	834	841	839
New York	3,241	3,439	3,642	3,804	3,931	4,027
North Carolina	502	515	536	557	578	602
North Dakota	34	36	36	36	37	38
Ohio	2,418	2,551	2,669	2,783	2,867	2,967
Oklahoma	691	722	762	793	828	866
Oregon	222	234	238	244	251	261
Pennsylvania	4,482	4,779	5,006	5,218	5,386	5,503
Rhode Island	303	324	340	352	360	364
South Carolina	705	721	745	780	812	856
South Dakota	36	37	40	40	41	42
Tennessee	817	897	953	995	991	973
Texas	8,331	8,837	9,289	9,694	10,117	10,614
Utah	733	782	826	859	874	880
Vermont	246	263	281	298	308	319
Virginia	8,907	9,628	10,205	10,624	10,747	10,784
Washington	2,298	2,498	2,640	2,737	2,756	2,739
West Virginia	96	103	109	112	114	114
Wisconsin	791	832	818	847	887	959
Wyoming	11	11	11	11	11	11
U.S. Total	107,076	114,587	120,837	125,811	128,716	131,039

Source: RDEPPS calculations

Table 8.
Projections of Total Direct Expenditures Excluding Procurement and RDT&E, by State
(Rounded to millions of 2003 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	4,691	4,854	4,855	4,883	4,004	4,023
Alaska	2,248	2,405	2,438	2,477	2,374	2,388
Arizona	7,072	7,373	6,928	6,901	5,877	5,829
Arkansas	1,911	2,018	2,033	2,067	1,666	1,683
California	27,401	28,887	28,707	28,968	25,140	25,187
Colorado	4,823	5,100	5,160	5,217	4,275	4,293
Connecticut	1,538	1,642	1,657	1,683	1,513	1,517
Delaware	701	747	755	763	648	648
District of Columbia	3,768	3,979	3,930	3,951	3,908	3,907
Florida	13,492	14,187	14,316	14,482	10,819	10,805
Georgia	8,753	9,277	9,453	9,574	8,184	8,158
Hawaii	4,686	5,007	5,109	5,168	4,906	4,900
Idaho	2,163	2,328	2,345	2,419	2,250	2,253
Illinois	5,034	5,366	5,460	5,547	5,011	4,991
Indiana	3,982	4,125	3,875	3,875	3,521	3,494
Iowa	593	623	627	637	495	497
Kansas	2,130	2,263	2,303	2,334	1,994	1,995
Kentucky	6,001	6,335	6,049	6,062	5,636	5,590
Louisiana	3,265	3,475	3,507	3,559	3,079	3,055
Maine	1,947	2,081	2,121	2,186	1,984	1,958
Maryland	10,752	11,323	11,208	11,317	10,436	10,394
Massachusetts	2,954	3,122	3,102	3,126	2,817	2,811
Michigan	2,600	2,726	2,735	2,797	2,449	2,459
Minnesota	1,710	1,816	1,816	1,851	1,642	1,653
Mississippi	3,127	3,316	3,361	3,414	2,917	2,917
Missouri	2,928	3,094	3,142	3,176	2,628	2,631
Montana	606	646	656	665	549	552
Nebraska	1,269	1,345	1,364	1,377	1,144	1,142
Nevada	2,158	2,287	2,301	2,343	1,882	1,898
New Hampshire	1,647	1,766	1,776	1,833	1,657	1,646
New Jersey	4,081	4,305	4,342	4,393	4,059	4,062
New Mexico	3,985	4,256	4,276	4,372	3,990	4,007
New York	4,396	4,661	4,704	4,754	4,287	4,289
North Carolina	7,060	7,558	7,771	7,859	6,554	6,529
North Dakota	1,309	1,423	1,450	1,487	1,442	1,444
Ohio	5,605	5,851	5,862	5,943	5,313	5,330
Oklahoma	4,352	4,584	4,635	4,683	4,133	4,129
Oregon	1,291	1,349	1,354	1,377	1,025	1,028
Pennsylvania	7,994	8,326	8,058	8,159	7,387	7,317
Rhode Island	1,028	1,083	1,090	1,100	999	997
South Carolina	4,602	4,903	4,984	5,038	4,120	4,125
South Dakota	529	565	574	583	493	491
Tennessee	4,034	4,262	4,279	4,373	3,623	3,593
Texas	17,288	18,258	18,491	18,718	15,269	15,272
Utah	2,206	2,308	2,316	2,342	2,136	2,138
Vermont	1,146	1,233	1,228	1,266	1,233	1,247
Virginia	27,546	29,095	29,134	29,305	26,490	26,523
Washingt on	7,078	7,483	7,622	7,721	6,429	6,404
West Virginia	1,024	1,088	1,091	1,121	981	982
Wisconsin	1,546	1,649	1,698	1,784	1,513	1,446
Wyoming	469	500	509	515	445	447
U.S. Total	244,519	258,254	258,557	261,545	227,324	227,071

Source: RDEPPS calculations

Table 9.
Projections of Indirect Defense Purchases Resulting from Direct Purchases, by State
(Rounded to millions of 2003 dollars)

State	2002	2003	2004	2005	2006	2007
Alabama	3,641	3,909	4,047	4,217	4,285	4,318
Alaska	825	870	877	917	940	947
Arizona	2,238	2,410	2,494	2,598	2,663	2,706
Arkansas	1,545	1,658	1,699	1,762	1,792	1,810
California	18,294	19,784	20,413	21,235	21,632	21,844
Colorado	2,473	2,667	2,748	2,857	2,913	2,944
Connecticut	1,947	2,112	2,189	2,282	2,336	2,370
Delaware	503	538	545	561	567	568
District of Columbia	1,914	2,073	2,112	2,182	2,215	2,227
Florida	8,719	9,307	9,597	9,960	10,130	10,256
Georgia	4,944	5,324	5,467	5,680	5,776	5,824
Hawaii	948	1,034	1,059	1,096	1,116	1,125
Idaho	1,367	1,469	1,503	1,559	1,584	1,596
Illinois	5,878	6,318	6,485	6,729	6,857	6,938
Indiana	3,455	3,697	3,798	3,939	4,026	4,093
Iowa	1,149	1,232	1,263	1,309	1,333	1,350
Kansas	1,638	1,744	1,794	1,876	1,924	1,952
Kentucky	5,706	5,827	5,953	6,129	6,183	6,294
Louisiana	2,017	2,171	2,222	2,307	2,333	2,336
Maine	940	1,012	1,040	1,081	1,098	1,107
Maryland	4,463	4,831	4,969	5,162	5,254	5,296
Massachusetts	3,956	4,239	4,396	4,579	4,655	4,703
Michigan	4,018	4,307	4,403	4,561	4,645	4,707
Minnesota	2,701	2,906	2,988	3,101	3,155	3,187
Mississippi	2,571	2,746	2,825	2,927	2,976	3,016
Missouri	2,682	2,886	2,972	3,088	3,148	3,186
Montana	363	393	402	416	423	426
Nebraska	823	887	910	944	961	971
Nevada	1,088	1,174	1,203	1,247	1,269	1,281
New Hampshire	1,269	1,377	1,419	1,473	1,502	1,517
New Jersey	5,199	5,761	5,963	6,206	6,339	6,392
New Mexico	2,541	2,739	2,803	2,904	2,950	2,969
New York	6,372	6,823	6,990	7,263	7,397	7,467
North Carolina	3,365	3,624	3,720	3,869	3,922	3,947
North Dakota	641	678	689	716	729	733
Ohio	6,800	7,334	7,542	7,827	7,979	8,077
Oklahoma	2,110	2,309	2,382	2,467	2,523	2,551
Oregon	1,478	1,594	1,641	1,705	1,742	1,766
Pennsylvania	12,385	13,323	13,623	14,125	14,375	14,517
Rhode Island	520	561	575	595	606	612
South Carolina	2,130	2,293	2,345	2,433	2,472	2,493
South Dakota	319	343	351	364	370	374
Tennessee	3,078	3,312	3,400	3,528	3,581	3,608
Texas	11,722	12,738	13,132	13,662	13,940	14,085
Utah	1,305	1,406	1,447	1,503	1,535	1,555
Vermont	842	905	927	960	977	985
Virginia	10,206	11,125	11,451	11,891	12,145	12,280
Washington	3,271	3,538	3,677	3,839	3,923	3,974
West Virginia	1,016	1,090	1,114	1,152	1,169	1,178
Wisconsin	2,667	2,858	2,929	3,036	3,095	3,141
Wyoming	307	329	334	345	349	351
U.S. Total	172,346	185,588	190,827	198,164	201,805	203,949

Source: RDEPPS calculations

Table 10.
Projections of Indirect Defense Purchases Resulting from Direct Pay, by State
(Rounded to millions of 2003 dollars)

State	2002	2003	2004	2005	2006	2007
Alabama	2,102	2,233	2,314	2,343	2,333	2,314
Alaska	616	656	680	689	686	681
Arizona	1,629	1,731	1,794	1,816	1,809	1,794
Arkansas	912	966	998	1,009	1,002	992
California	11,201	11,903	12,320	12,466	12,414	12,307
Colorado	1,959	2,089	2,163	2,190	2,184	2,165
Connecticut	735	780	807	817	814	808
Delaware	329	350	363	368	366	364
District of Columbia	797	849	881	893	890	883
Florida	5,490	5,844	6,057	6,133	6,112	6,063
Georgia	4,208	4,477	4,638	4,695	4,678	4,639
Hawaii	1,634	1,741	1,807	1,832	1,825	1,811
Idaho	396	421	435	440	438	433
Illinois	3,038	3,225	3,333	3,370	3,354	3,324
Indiana	1,455	1,538	1,592	1,610	1,598	1,586
Iowa	585	619	638	645	640	633
Kansas	1,153	1,225	1,268	1,282	1,275	1,264
Kentucky	1,769	1,876	1,945	1,969	1,959	1,944
Louisiana	1,347	1,432	1,482	1,499	1,492	1,478
Maine	527	559	579	586	583	578
Maryland	2,692	2,866	2,973	3,012	3,002	2,978
Massachusetts	1,164	1,236	1,277	1,292	1,287	1,276
Michigan	1,962	2,071	2,148	2,173	2,151	2,139
Minnesota	907	960	990	1,000	995	985
Mississippi	1,353	1,436	1,487	1,505	1,448	1,435
Missouri	1,800	1,913	1,979	2,002	1,992	1,975
Montana	252	268	277	281	280	277
Nebraska	665	706	730	738	733	726
Nevada	627	668	693	702	700	694
New Hampshire	292	310	320	324	323	320
New Jersey	2,011	2,144	2,217	2,245	2,240	2,222
New Mexico	825	879	911	923	920	912
New York	2,910	3,096	3,197	3,233	3,223	3,196
North Carolina	4,180	4,441	4,600	4,658	4,636	4,597
North Dakota	311	331	343	347	346	343
Ohio	2,761	2,928	3,032	3,068	3,050	3,027
Oklahoma	1,803	1,919	1,988	2,013	2,004	1,987
Oregon	700	742	766	774	770	762
Pennsylvania	2,897	3,075	3,178	3,214	3,200	3,172
Rhode Island	409	434	450	456	455	451
South Carolina	2,042	2,171	2,251	2,281	2,272	2,255
South Dakota	250	265	275	278	277	274
Tennessee	1,528	1,619	1,675	1,695	1,686	1,672
Texas	7,967	8,478	8,775	8,879	8,844	8,765
Utah	872	927	961	973	969	961
Vermont	134	141	146	148	147	145
Virginia	7,956	8,470	8,792	8,907	8,875	8,805
Washington	3,236	3,439	3,567	3,611	3,594	3,565
West Virginia	292	311	322	326	325	323
Wisconsin	1,026	1,085	1,119	1,131	1,123	1,113
Wyoming	187	199	206	209	208	206
U.S. Total	97,894	104,043	107,746	109,046	108,524	107,618

Source: RDEPPS calculations

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SECTION II: PROJECTIONS FOR SELECTED INDUSTRIES (IDEPPS)

The tables in this section show projected defense and defense-related purchases from the 50 manufacturing industries projected to lead in defense production in calendar year 2001. 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 2002 to 2007. The lower portion shows the indirect defense purchases estimated to result from DoD purchases from each of eleven industrial groupings.

Although *IDEPPS*, the detailed interindustry model, forecasts defense demands by 320 industries, only 50 are presented in this section. These industries are grouped into 97 sectors in the state-level tables presented in Section III. Thus, industrial sector 51, "Aerospace," appearing in the state-level tables, includes four industries: industry 235, "Aircraft"; industry 236, "Aircraft and Missile Engines, Propulsion Units and Parts"; industry 237, "Aircraft and Missile Parts and Auxiliary Equipment, n.e.c."; and industry 21, "Guided Missiles and Space Vehicles." A crosswalk between the industries cited in Section II and the industrial sectors addressed in Section III is provided in the appendix. (The appendix also contains a crosswalk to four-digit Standard Industrial Classification (SIC) codes.)

In addition, tables showing sources of defense purchases are provided for the 10 industries leading in defense production in 2003.

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**Projected Defense Purchases of
Aircraft**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	11,741	12,852	13,209	13,598	13,789	14,377
Indirect Purchases	61	64	70	73	78	82
Total	11,802	12,916	13,278	13,671	13,867	14,459

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	3	3	3	3	3	4
Aircraft Parts	46	48	52	55	59	63
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	3	3	3	4	4	4
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	9	10	11	11	11	11
Total	61	64	70	73	78	82

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

**Sources of Projected Defense Purchases of
Aircraft**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	0	0	0	1	1	0
Operations & Maintenance ^a	36	39	39	39	39	39
Procurement						
Aircraft	8,187	8,909	9,074	9,328	9,560	10,288
Missiles	14	13	14	15	16	16
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding	10	11	12	14	15	14
Ammunition	0	0	0	0	0	0
Other	131	136	145	143	144	145
Total Procurement	8,344	9,070	9,246	9,501	9,736	10,464
RDT&E	3,405	3,794	3,982	4,119	4,078	3,943
Military Construction	16	12	10	11	12	12
Family Housing	2	2	2	2	2	2
Total :	11,802	12,916	13,278	13,671	13,867	14,459

^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Aircraft and Missile Parts and Auxiliary Equipment, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	8,037	8,408	9,136	9,599	10,299	10,922
Indirect Purchases	2,442	2,582	2,809	2,993	3,142	3,279
Total :	10,478	10,990	11,945	12,592	13,441	14,201

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	552	583	627	668	709	734
Aircraft Parts	500	473	510	544	595	634
Ammunition	1	1	1	1	1	1
Communication Equipment	2	2	2	2	2	2
Missiles	593	656	747	810	843	913
Motor Vehicles	0	0	0	0	1	1
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	792	866	919	965	989	992
Total	2,442	2,582	2,809	2,993	3,142	3,279

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

**Sources of Projected Defense Purchases of
Aircraft and Missile Parts and Auxiliary Equipment, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	35	40	45	50	48	45
Operations & Maintenance ^a	628	646	640	646	662	671
Procurement						
Aircraft	4,407	4,460	4,979	5,257	5,946	6,624
Missiles	609	639	700	829	914	906
Weapons and Tracked Vehicles	5	5	5	4	4	4
Shipbuilding	25	28	29	34	37	36
Ammunition	3	2	3	3	3	3
Other	2,178	2,319	2,567	2,701	2,775	2,929
Total Procurement	7,226	7,454	8,282	8,829	9,678	10,501
RDT&E	2,525	2,787	2,915	3,002	2,983	2,912
Military Construction	21	17	15	17	18	19
Family Housing	43	46	47	48	51	53
Total	10,478	10,990	11,945	12,592	13,441	14,201

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Aircraft and Missile Engines, Propulsion Units, and Parts**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	6,764	7,073	7,518	7,932	8,356	8,591
Indirect Purchases	3,244	3,492	3,744	3,967	4,128	4,232
Total	10,009	10,566	11,262	11,899	12,484	12,823

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	1,272	1,321	1,415	1,497	1,581	1,628
Aircraft Parts	91	96	106	114	124	133
Ammunition	3	3	3	4	4	4
Communication Equipment	8	9	10	10	11	11
Missiles	294	327	375	408	427	463
Motor Vehicles	2	2	2	2	2	3
Shipbuilding	2	2	2	2	2	2
Tanks	1	1	1	1	1	1
Other Electronic Equipment	5	5	6	7	7	7
Other Ordinances	1	1	1	1	1	1
Other	1,567	1,726	1,824	1,921	1,968	1,979
Total	3,244	3,492	3,744	3,967	4,128	4,232

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

**Sources of Projected Defense Purchases of
Aircraft and Missile Engines, Propulsion Units, and Parts**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	143	167	186	207	204	192
Operations & Maintenance ^a	557	575	567	580	597	608
Procurement						
Aircraft	3,316	3,151	3,403	3,674	4,222	4,707
Missiles	206	200	221	247	287	298
Weapons and Tracked Vehicles	5	5	5	5	5	5
Shipbuilding	13	14	14	17	18	18
Ammunition	1	1	1	1	1	1
Other	247	281	334	359	367	406
Total Procurement	3,787	3,652	3,979	4,303	4,901	5,435
RDT&E	5,505	6,156	6,516	6,792	6,765	6,568
Military Construction	8	6	6	6	7	8
Family Housing	9	9	10	10	11	11
Total	10,009	10,566	11,262	11,899	12,484	12,823

^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Shipbuilding and Repairing**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	5,919	6,583	6,851	7,320	7,401	7,560
Indirect Purchases	64	60	67	70	70	68
Total	5,984	6,644	6,918	7,390	7,471	7,628
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	17	8	14	16	17	17
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	47	52	52	54	53	50
Total	64	60	67	70	70	68

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

**Sources of Projected Defense Purchases of
Shipbuilding and Repairing**
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	14	16	17	19	18	16
Operations & Maintenance ^a	553	590	542	533	527	517
Procurement						
Aircraft	92	86	86	85	92	97
Missiles	38	45	54	72	86	93
Weapons and Tracked Vehicles	27	27	26	26	24	22
Shipbuilding	4,355	4,882	5,172	5,626	5,723	5,921
Ammunition	0	0	0	0	1	1
Other	24	26	24	24	28	37
Total Procurement	4,535	5,067	5,361	5,833	5,955	6,171
RDT&E	879	970	996	1,003	969	922
Military Construction	1	1	1	2	2	3
Family Housing	0	0	0	0	0	0
Total :	5,984	6,644	6,918	7,390	7,471	7,628

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Semiconductors and Related Devices**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	175	188	209	210	215	213
Indirect Purchases	4,765	5,349	5,798	6,204	6,568	6,856
Total :	4,940	5,537	6,006	6,414	6,782	7,069

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	30	34	38	42	46	50
Aircraft Parts	158	172	195	214	239	263
Ammunition	157	181	202	222	240	264
Communication Equipment	861	952	1,042	1,105	1,185	1,235
Missiles	59	68	80	90	97	108
Motor Vehicles	30	33	32	34	37	42
Shipbuilding	15	18	20	22	23	24
Tanks	1	2	2	2	2	2
Other Electronic Equipment	270	310	344	376	400	420
Other Ordinances	14	15	18	21	25	27
Other	3,168	3,564	3,826	4,077	4,275	4,420
Total :	4,765	5,349	5,798	6,204	6,568	6,855

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

**Sources of Projected Defense Purchases of
Semiconductors and Related Devices**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	68	81	93	108	107	101
Operations & Maintenance ^a	1,486	1,664	1,698	1,777	1,876	1,966
Procurement						
Aircraft	504	544	592	633	698	778
Missiles	114	123	144	180	209	217
Weapons and Tracked Vehicles	33	34	36	40	46	52
Shipbuilding	110	118	118	135	147	148
Ammunition	3	3	3	3	3	4
Other	981	1,082	1,253	1,304	1,394	1,473
Total Procurement	1,744	1,904	2,145	2,294	2,498	2,673
RDT&E	1,581	1,827	2,009	2,169	2,227	2,243
Military Construction	30	26	24	26	32	40
Family Housing	32	35	37	39	43	46
Total :	4,940	5,537	6,006	6,414	6,782	7,06

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Radio and TV Broadcasting and Communication Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	4,214	4,541	4,852	4,944	5,082	5,092
Indirect Purchases	927	989	1,055	1,106	1,143	1,201
Total :	5,141	5,530	5,907	6,050	6,225	6,293
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	1	1	1
Aircraft Parts	2	3	3	3	3	4
Ammunition	0	0	0	0	0	0
Communication Equipment	563	588	611	629	649	678
Missiles	219	243	277	301	314	340
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	8	9	10	10	11	11
Tanks	0	0	0	0	0	0
Other Electronic Equipment	3	4	4	5	5	5
Other Ordinances	0	0	0	0	0	0
Other	130	141	149	156	161	162
Total :	927	989	1,055	1,106	1,143	1,201

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

**Sources of Projected Defense Purchases of
Radio and TV Broadcasting and Communication Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	3	3	3	4	3	3
Operations & Maintenance ^a	772	827	803	804	814	822
Procurement						
Aircraft	689	724	747	764	802	864
Missiles	213	223	257	322	375	400
Weapons and Tracked Vehicles	2	2	2	2	2	2
Shipbuilding	20	22	22	25	27	26
Ammunition	2	1	2	2	2	2
Other	1,678	1,788	2,039	2,023	2,108	2,138
Total Procurement	2,603	2,760	3,069	3,138	3,316	3,432
RDT&E	1,705	1,891	1,988	2,058	2,041	1,982
Military Construction	43	33	29	31	34	36
Family Housing	15	15	15	15	16	17
Total :	5,141	5,530	5,907	6,050	6,225	6,293

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Search and Navigation Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	4,931	5,104	5,212	5,301	5,512	5,524
Indirect Purchases	106	105	115	121	124	125
Total :	5,037	5,209	5,328	5,422	5,637	5,649

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	12	13	13	14	15	15
Aircraft Parts	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0
Communication Equipment	12	4	8	9	10	10
Missiles	4	4	5	5	5	5
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	6	6	6	7	7	7
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	72	78	82	85	86	86
Total :	106	105	115	121	124	125

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

**Sources of Projected Defense Purchases of
Search and Navigation Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	3	3	4	4	4	3
Operations & Maintenance ^a	294	317	305	303	303	300
Procurement						
Aircraft	921	872	827	836	886	954
Missiles	245	241	263	304	356	375
Weapons and Tracked Vehicles	6	6	16	34	65	98
Shipbuilding	640	600	505	487	519	463
Ammunition	1	1	1	1	1	2
Other	1,234	1,302	1,460	1,451	1,528	1,550
Total Procurement	3,046	3,022	3,072	3,113	3,355	3,442
RDT&E	1,654	1,834	1,917	1,970	1,940	1,870
Military Construction	26	19	16	18	19	19
Family Housing	13	14	14	14	15	16
Total :	5,037	5,209	5,328	5,422	5,637	5,649

^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Electronic Components, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,688	1,868	2,007	2,119	2,205	2,263
Indirect Purchases	3,039	3,267	3,448	3,561	3,672	3,736
Total :	4,727	5,135	5,455	5,680	5,878	5,998
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	21	22	24	26	28	29
Aircraft Parts	162	169	185	196	212	226
Ammunition	64	72	78	83	87	94
Communication Equipment	1,022	1,087	1,145	1,174	1,219	1,231
Missiles	119	131	148	160	166	179
Motor Vehicles	6	6	6	6	6	7
Shipbuilding	5	6	6	7	7	7
Tanks	0	0	0	0	0	0
Other Electronic Equipment	290	320	346	365	375	377
Other Ordinances	1	2	2	2	2	3
Other	1,348	1,452	1,507	1,541	1,569	1,583
Total :	3,039	3,267	3,448	3,561	3,672	3,736

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

**Sources of Projected Defense Purchases of
Electronic Components, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	29	33	37	41	39	36
Operations & Maintenance ^a	737	792	777	788	807	823
Procurement						
Aircraft	771	822	876	904	972	1,074
Missiles	251	281	326	391	423	417
Weapons and Tracked Vehicles	74	75	77	88	101	119
Shipbuilding	167	175	168	189	202	193
Ammunition	18	13	15	15	16	16
Other	1,231	1,331	1,469	1,478	1,535	1,575
Total Procurement	2,512	2,697	2,931	3,065	3,249	3,396
RDT&E	1,408	1,573	1,670	1,745	1,738	1,696
Military Construction	16	13	12	13	15	17
Family Housing	25	26	27	27	29	31
Total :	4,727	5,135	5,455	5,680	5,878	5,998

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Guided Missiles and Space Vehicles**
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	4,716	4,894	5,411	5,831	6,127	6,590
Indirect Purchases	141	153	172	185	192	206
Total :	4,856	5,047	5,583	6,015	6,318	6,796

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	15	16	17	18	19	21
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	123	135	153	164	170	182
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	1	1	1	1	2	2
Total :	141	153	172	185	192	206

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

**Sources of Projected Defense Purchases of
Guided Missiles and Space Vehicles**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	0	0	0	0	0	0
Operations & Maintenance ^a	22	24	25	26	28	29
Procurement						
Aircraft	33	35	37	38	41	45
Missiles	1,695	1,512	1,659	1,905	2,127	2,232
Weapons and Tracked Vehicles	3	3	3	2	1	1
Shipbuilding	56	62	63	75	80	77
Ammunition	9	7	9	9	9	10
Other	1,415	1,605	1,902	2,012	2,097	2,518
Total Procurement	3,211	3,224	3,673	4,042	4,355	4,884
RDT&E	1,622	1,797	1,883	1,945	1,934	1,880
Military Construction	0	0	0	0	0	0
Family Housing	2	2	2	2	2	2
Total :	4,856	5,047	5,583	6,015	6,318	6,796

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Petroleum Refining, Except Fuel Oil**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	220	135	100	98	101	105
Indirect Purchases	3,849	4,145	4,221	4,373	4,399	4,373
Total :	4,070	4,279	4,321	4,470	4,499	4,477

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	61	64	68	72	77	79
Aircraft Parts	62	64	70	74	80	85
Ammunition	41	48	52	55	57	60
Communication Equipment	75	80	84	87	90	91
Missiles	15	16	18	20	21	23
Motor Vehicles	25	26	24	24	25	28
Shipbuilding	44	48	50	53	54	55
Tanks	6	7	7	7	7	8
Other Electronic Equipment	59	66	70	73	75	74
Other Ordinances	5	6	6	6	7	7
Other	3,456	3,720	3,771	3,900	3,906	3,864
Total :	3,849	4,144	4,221	4,372	4,398	4,372

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

**Sources of Projected Defense Purchases of
Petroleum Refining, Except Fuel Oil**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
Military Personnel	667	757	825	905	858	782
Operations & Maintenance ^a	2,247	2,282	2,191	2,202	2,236	2,253
Procurement						
Aircraft	258	269	280	289	308	334
Missiles	27	28	31	37	42	41
Weapons and Tracked Vehicles	31	30	29	30	30	30
Shipbuilding	70	76	78	86	89	91
Ammunition	1	1	2	2	2	2
Other	203	215	233	239	248	262
Total Procurement	591	619	653	684	719	758
RDT&E	498	555	590	616	612	597
Military Construction	35	34	31	31	40	51
Family Housing	31	32	32	33	35	36
Total :	4,070	4,279	4,321	4,470	4,499	4,477

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^a Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trusts and Receipts; and Deductions, Intragovernment Receipts.

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

**Projected Defense Purchases of
Miscellaneous Plastic Products**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	75	105	117	122	125	125
Indirect Purchases	3,426	3,700	3,776	3,914	4,000	4,073
Total	3,500	3,804	3,893	4,036	4,124	4,197
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	45	48	52	56	59	61
Aircraft Parts	65	69	76	81	87	94
Ammunition	42	51	57	61	64	67
Communication Equipment	191	206	220	229	240	245
Missiles	43	47	54	59	61	66
Motor Vehicles	80	83	78	80	83	92
Shipbuilding	26	29	31	33	33	34
Tanks	8	9	9	9	9	10
Other Electronic Equipment	353	395	427	455	473	484
Other Ordinances	4	4	4	5	5	5
Other	2,569	2,758	2,769	2,849	2,885	2,914
Total	3,426	3,699	3,776	3,914	4,000	4,072

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

**Projected Defense Purchases of
Ammunition, Except Small Arms**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,836	3,136	3,354	3,550	3,697	3,922
Indirect Purchases	174	187	203	215	224	238
Total	3,010	3,323	3,557	3,764	3,921	4,160
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Ammunition	174	187	203	215	224	238
Total	174	187	203	215	224	238

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

**Projected Defense Purchases of
Commercial Printing**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	542	581	554	559	564	567
Indirect Purchases	2,243	2,413	2,458	2,531	2,572	2,592
Total	2,784	2,994	3,012	3,091	3,136	3,159
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	59	61	66	69	73	75
Aircraft Parts	53	55	60	63	68	72
Ammunition	37	42	46	48	50	53
Communication Equipment	89	95	99	101	105	106
Missiles	19	21	24	26	27	29
Motor Vehicles	18	18	17	17	18	20
Shipbuilding	20	22	23	24	24	25
Tanks	4	4	4	4	4	5
Other Electronic Equipment	25	28	30	31	32	32
Other Ordinances	4	5	5	5	6	6
Other	1,916	2,062	2,086	2,141	2,165	2,170
Total	2,243	2,413	2,458	2,531	2,572	2,592

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

**Projected Defense Purchases of
Electronic Computers**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,079	2,190	2,240	2,233	2,278	2,288
Indirect Purchases	589	618	637	644	660	665
Total	2,668	2,809	2,878	2,877	2,937	2,953
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	2	2	2
Aircraft Parts	1	1	1	2	2	2
Ammunition	0	1	1	1	1	1
Communication Equipment	77	81	84	86	89	90
Missiles	1	2	2	2	2	2
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	5	6	7	7	7	7
Other Ordinances	0	0	0	0	0	0
Other	501	526	540	544	557	561
Total	589	618	637	644	660	665

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

**Projected Defense Purchases of
Electron Tubes**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,228	2,487	2,638	2,761	2,755	2,670
Indirect Purchases	147	156	167	174	181	186
Total	2,375	2,643	2,806	2,935	2,936	2,855
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	2	2	2
Aircraft Parts	6	7	7	8	9	9
Ammunition	1	1	1	1	2	2
Communication Equipment	34	37	40	41	43	44
Missiles	3	3	4	4	4	5
Motor Vehicles	1	1	1	1	1	1
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	26	25	29	31	32	32
Other Ordinances	0	0	0	0	0	0
Other	74	80	83	86	89	90
Total	147	156	167	174	181	186

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

**Projected Defense Purchases of
Industrial Trucks, Tractors, Trailers, and Stackers**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	1,846	1,865	1,911	1,951	1,957	1,964
Indirect Purchases	152	152	158	162	163	164
Total	1,998	2,018	2,069	2,113	2,120	2,128

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	1	1	1	1	1	1
Ammunition	0	1	1	1	1	1
Communication Equipment	1	1	1	1	1	1
Missiles	0	0	0	0	0	0
Motor Vehicles	1	1	1	1	1	1
Shipbuilding	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	147	147	152	155	157	157
Total	152	152	158	162	163	164

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

**Projected Defense Purchases of
Steel Mills, Blast Furnaces, and Rolling and Finishing Mills**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	113	111	100	85	83	79
Indirect Purchases	1,684	1,764	1,773	1,811	1,831	1,864
Total	1,797	1,875	1,874	1,896	1,914	1,943
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	66	68	71	73	76	77
Aircraft Parts	64	65	69	71	75	78
Ammunition	81	91	96	99	100	104
Communication Equipment	117	120	121	121	124	123
Missiles	10	10	12	12	13	14
Motor Vehicles	80	81	73	73	74	80
Shipbuilding	252	274	280	293	293	295
Tanks	20	22	21	20	21	22
Other Electronic Equipment	41	45	47	48	48	47
Other Ordinances	19	21	21	21	22	22
Other	933	968	963	979	985	1,003
Total	1,683	1,764	1,773	1,811	1,831	1,864

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

**Projected Defense Purchases of
Telephones, Switchboards, Modems, Faxes, Etc.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,517	1,599	1,668	1,651	1,654	1,665
Indirect Purchases	199	207	212	213	216	216
Total	1,716	1,807	1,879	1,864	1,869	1,881
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	1	2	2	2	2	2
Ammunition	0	0	1	1	1	1
Communication Equipment	2	2	2	3	3	3
Missiles	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	191	199	203	203	206	206
Total	199	207	212	213	216	216

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

**Projected Defense Purchases of
Industrial Organic Chemicals**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	22	23	24	25	26	27
Indirect Purchases	1,556	1,659	1,691	1,742	1,757	1,760
Total	1,578	1,682	1,715	1,767	1,783	1,787
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	34	36	38	40	42	43
Aircraft Parts	49	51	55	57	61	65
Ammunition	22	26	28	29	31	32
Communication Equipment	77	83	87	90	94	96
Missiles	13	14	16	17	18	19
Motor Vehicles	29	30	27	27	28	31
Shipbuilding	25	27	27	29	29	29
Tanks	6	6	6	6	6	7
Other Electronic Equipment	108	119	126	131	133	133
Other Ordinances	3	3	3	3	3	3
Other	1,190	1,266	1,278	1,312	1,311	1,303
Total	1,556	1,659	1,691	1,742	1,757	1,759

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

**Projected Defense Purchases of
Motor Vehicles and Passenger Car Bodies**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	1,359	1,436	1,318	1,350	1,413	1,578
Indirect Purchases	20	19	19	20	21	23
Total	1,380	1,455	1,337	1,369	1,434	1,601

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	18	17	16	17	18	20
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	2	2	2	2	2	2
Total	20	19	19	20	21	23

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

**Projected Defense Purchases of
Other Nonferrous Rolling and Drawing Products, and Nonferrous Wire**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	29	30	31	31	32	32
Indirect Purchases	1,266	1,357	1,419	1,480	1,531	1,574
Total	1,295	1,387	1,451	1,511	1,563	1,606
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	282	295	315	333	351	362
Aircraft Parts	81	84	92	97	105	111
Ammunition	12	14	15	16	17	18
Communication Equipment	93	100	106	109	115	117
Missiles	17	19	22	25	26	28
Motor Vehicles	5	5	5	5	5	6
Shipbuilding	24	27	28	30	30	30
Tanks	36	40	39	39	41	45
Other Electronic Equipment	97	108	116	122	124	124
Other Ordinances	1	2	2	2	2	2
Other	617	664	680	703	716	731
Total	1,266	1,357	1,419	1,480	1,531	1,574

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

**Projected Defense Purchases of
Paper Mills, Including Building Paper**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	8	8	9	8	8	8
Indirect Purchases	1,185	1,266	1,270	1,296	1,307	1,307
Total	1,193	1,275	1,279	1,305	1,315	1,315
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	25	26	28	29	31	31
Aircraft Parts	23	24	25	27	28	30
Ammunition	16	18	19	20	21	22
Communication Equipment	40	41	43	44	45	45
Missiles	9	9	11	11	12	12
Motor Vehicles	8	8	7	7	8	8
Shipbuilding	9	10	11	11	11	11
Tanks	2	2	2	2	2	2
Other Electronic Equipment	13	14	15	16	16	16
Other Ordinances	2	2	2	2	2	2
Other	1,039	1,111	1,107	1,126	1,131	1,127
Total	1,185	1,266	1,270	1,296	1,307	1,307

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

**Projected Defense Purchases of
Tanks and Tank Components**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,236	1,257	1,208	1,210	1,184	1,183
Indirect Purchases	7	8	7	8	8	9
Total	1,242	1,265	1,215	1,217	1,192	1,192
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Tanks	7	8	7	8	9	8
Total	7	8	7	8	8	8

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

**Projected Defense Purchases of
Miscellaneous Fabricated Textile Products**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	897	988	1,059	1,165	1,116	1,027
Indirect Purchases	251	271	277	293	294	298
Total	1,147	1,259	1,336	1,457	1,410	1,324
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	1	1	1	1	1	1
Ammunition	1	1	1	1	1	1
Communication Equipment	1	1	1	2	2	2
Missiles	0	0	0	0	0	0
Motor Vehicles	47	50	47	48	51	57
Shipbuilding	15	16	17	19	19	20
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	184	198	207	220	217	214
Total	251	271	277	293	294	298

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

**Projected Defense Purchases of
Fuel Oil**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	39	24	17	17	17	18
Indirect Purchases	1,128	1,209	1,223	1,266	1,245	1,208
Total	1,167	1,232	1,240	1,283	1,263	1,226

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	20	20	22	23	24	24
Aircraft Parts	17	17	19	20	21	22
Ammunition	10	11	12	13	13	14
Communication Equipment	20	21	22	22	23	23
Missiles	4	4	5	5	5	6
Motor Vehicles	9	9	8	8	8	9
Shipbuilding	13	14	15	16	16	16
Tanks	2	2	2	2	2	2
Other Electronic Equipment	17	19	20	21	21	21
Other Ordinances	2	2	2	2	2	2
Other	1,015	1,088	1,097	1,135	1,110	1,069
Total	1,127	1,208	1,223	1,266	1,245	1,208

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

**Projected Defense Purchases of
Motor Vehicle Parts and Accessories**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	383	381	363	363	374	399
Indirect Purchases	750	793	762	781	801	848
Total	1,133	1,174	1,125	1,144	1,175	1,247
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	4	4	5	5	5	5
Aircraft Parts	4	4	4	5	5	5
Ammunition	3	3	4	4	4	4
Communication Equipment	6	7	7	7	8	8
Missiles	1	2	2	2	2	2
Motor Vehicles	436	455	419	427	445	492
Shipbuilding	4	4	5	5	5	5
Tanks	0	1	1	1	1	1
Other Electronic Equipment	5	5	6	6	6	6
Other Ordinances	1	1	1	1	1	1
Other	285	307	310	320	321	319
Total	750	793	762	781	801	848

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

**Projected Defense Purchases of
Newspaper Publishing and Printing**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	14	15	15	16	16	16
Indirect Purchases	1,096	1,142	1,128	1,124	1,114	1,096
Total	1,110	1,157	1,143	1,140	1,130	1,112
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	49	49	51	52	54	54
Aircraft Parts	41	42	44	45	47	48
Ammunition	31	34	36	37	37	38
Communication Equipment	70	72	73	72	73	71
Missiles	16	17	18	19	19	20
Motor Vehicles	13	13	11	11	11	12
Shipbuilding	12	13	13	13	13	13
Tanks	2	3	2	2	2	3
Other Electronic Equipment	13	14	15	15	15	15
Other Ordinances	4	4	4	4	4	4
Other	845	881	860	853	838	819
Total	1,096	1,141	1,128	1,124	1,114	1,096

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

**Projected Defense Purchases of
Plastics Materials and Resins**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2	3	3	3	3	3
Indirect Purchases	1,074	1,152	1,174	1,212	1,230	1,244
Total	1,077	1,154	1,177	1,214	1,233	1,247
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	24	25	27	29	30	31
Aircraft Parts	51	53	58	61	65	69
Ammunition	15	19	21	22	22	23
Communication Equipment	55	59	62	64	66	67
Missiles	13	15	17	18	19	20
Motor Vehicles	26	27	25	25	26	29
Shipbuilding	12	14	14	15	15	15
Tanks	5	6	5	6	6	6
Other Electronic Equipment	90	100	107	113	116	118
Other Ordinances	1	1	1	1	1	2
Other	780	833	837	858	862	864
Total	1,074	1,151	1,174	1,212	1,230	1,244

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

**Projected Defense Purchases of
Surgical Appliances and Supplies**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	953	1,062	1,120	1,190	1,121	1,047
Indirect Purchases	66	70	73	77	75	73
Total	1,019	1,133	1,193	1,266	1,197	1,120

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	0	0	1	1	1	1
Aircraft Parts	0	0	0	1	1	1
Ammunition	1	1	1	1	1	1
Communication Equipment	1	2	2	2	2	2
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
ther Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	61	65	67	70	69	66
Total	66	70	73	77	75	73

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

**Projected Defense Purchases of
Pipes, Valves, and Pipe Fittings**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	323	339	355	375	394	406
Indirect Purchases	703	765	787	825	844	865
Total	1,026	1,104	1,143	1,200	1,238	1,271
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	6	7	7	8	8	8
Aircraft Parts	20	21	22	24	26	28
Ammunition	3	3	4	4	4	4
Communication Equipment	7	7	8	8	8	8
Missiles	2	3	3	3	4	4
Motor Vehicles	5	5	5	5	5	6
Shipbuilding	124	139	146	158	160	165
Tanks	1	1	1	1	1	1
Other Electronic Equipment	6	6	7	7	7	7
Other Ordinances	1	1	1	1	1	1
Other	529	573	584	608	620	633
Total	703	765	787	825	844	865

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

**Projected Defense Purchases of
Computer Peripheral Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	518	541	546	549	560	565
Indirect Purchases	505	536	550	558	570	575
Total	1,023	1,077	1,097	1,107	1,130	1,140

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	6	6	6	7	7	7
Aircraft Parts	5	5	6	6	6	7
Ammunition	1	1	1	1	1	1
Communication Equipment	6	7	7	8	8	8
Missiles	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	2	2	2	2	2	2
Other Ordinances	0	0	0	0	0	0
Other	484	513	525	531	542	546
Total	505	536	550	558	570	575

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

**Projected Defense Purchases of
Periodical Publishing and Printing**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	80	88	93	101	98	91
Indirect Purchases	890	963	987	1,021	1,043	1,057
Total	970	1,051	1,080	1,122	1,141	1,149
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	35	37	40	42	44	46
Aircraft Parts	30	31	34	36	39	41
Ammunition	22	26	28	30	31	33
Communication Equipment	53	56	59	60	63	63
Missiles	12	13	15	16	17	18
Motor Vehicles	9	10	9	9	10	10
Shipbuilding	9	11	11	12	12	12
Tanks	2	2	2	2	2	2
Other Electronic Equipment	11	13	14	15	15	15
Other Ordinances	3	3	3	3	4	4
Other	703	761	772	795	806	812
Total	890	963	987	1,021	1,043	1,057

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

**Projected Defense Purchases of
Industrial Inorganic Chemicals**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	116	135	160	180	178	163
Indirect Purchases	837	854	776	766	742	713
Total	953	989	936	946	919	876

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	6	6	7	7	7	7
Aircraft Parts	8	8	8	8	9	9
Ammunition	5	5	6	6	6	6
Communication Equipment	15	16	16	17	17	17
Missiles	2	2	3	3	3	3
Motor Vehicles	6	6	6	6	6	6
Shipbuilding	11	12	12	13	12	12
Tanks	1	1	1	1	1	1
Other Electronic Equipment	20	22	22	23	23	22
Other Ordinances	1	1	1	1	1	1
Other	762	775	694	683	657	629
Total	837	854	776	766	742	713

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

**Projected Defense Purchases of
Glass and Glass Products, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	8	9	10	10	14	18
Indirect Purchases	885	969	1,003	1,041	1,045	1,028
Total	893	978	1,013	1,051	1,058	1,045
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	5	5	5	5	6	6
Aircraft Parts	8	8	9	9	10	10
Ammunition	2	3	3	3	3	3
Communication Equipment	17	18	19	20	21	21
Missiles	3	3	3	3	4	4
Motor Vehicles	17	17	16	16	17	19
Shipbuilding	6	7	7	8	8	8
Tanks	0	0	0	0	0	0
Other Electronic Equipment	529	589	624	652	650	629
Other Ordinances	0	0	0	0	0	1
Other	298	318	316	324	326	326
Total	885	969	1,003	1,041	1,045	1,028

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

**Projected Defense Purchases of
Apparel**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	722	759	803	896	831	728
Indirect Purchases	187	197	205	220	212	197
Total	909	956	1,008	1,117	1,042	925
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	2	2	2	3	3	3
Ammunition	9	9	10	11	11	12
Communication Equipment	5	5	6	6	6	6
Missiles	0	0	1	1	1	1
Motor Vehicles	1	1	1	1	1	1
Shipbuilding	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	2	2	2	2	2	2
Other Ordinances	0	0	0	0	0	0
Other	166	174	181	196	186	171
Total	187	197	205	220	212	197

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

**Projected Defense Purchases of
Fabricated Metal Products, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	433	467	457	457	464	467
Indirect Purchases	449	486	504	521	532	545
Total	883	953	961	979	995	1,011

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	8	8	8	9	9	10
Aircraft Parts	10	11	11	12	13	13
Ammunition	155	175	188	198	205	216
Communication Equipment	34	36	38	38	39	39
Missiles	2	2	3	3	3	3
Motor Vehicles	3	3	3	3	3	4
Shipbuilding	12	13	14	15	15	15
Tanks	10	11	11	11	11	12
Other Electronic Equipment	12	14	15	15	15	15
Other Ordinances	23	25	26	26	26	26
Other	178	187	187	191	191	191
Total	449	486	504	521	532	545

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

**Projected Defense Purchases of
Electrical Machinery, Equipment and Supplies, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	860	916	922	918	924	914
Indirect Purchases	23	23	24	24	25	26
Total	882	939	946	943	950	939
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0
Communication Equipment	7	7	7	7	8	8
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	15	15	15	16	16	16
Total	23	23	24	24	25	26

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

**Projected Defense Purchases of
Metal Plating, Polishing, and Coating**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	15	17	17	18	17	17
Indirect Purchases	831	904	959	1,007	1,050	1,084
Total	846	921	976	1,024	1,067	1,101
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	65	69	74	78	83	85
Aircraft Parts	56	58	64	68	73	78
Ammunition	33	38	42	44	47	50
Communication Equipment	135	145	154	160	168	172
Missiles	16	18	20	22	23	26
Motor Vehicles	14	15	14	14	14	16
Shipbuilding	8	9	10	10	10	10
Tanks	2	2	2	2	2	2
Other Electronic Equipment	155	172	186	197	204	208
Other Ordinances	7	8	9	9	9	9
Other	339	370	386	403	417	429
Total	831	904	959	1,007	1,050	1,084

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

**Projected Defense Purchases of
Fabricated Plate Work (Boiler Shops)**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	714	762	836	972	954	1,028
Indirect Purchases	142	153	160	174	178	187
Total	857	915	996	1,146	1,131	1,215
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	2	2	2	2	3	3
Aircraft Parts	1	1	1	1	1	1
Ammunition	1	1	1	1	1	1
Communication Equipment	1	1	2	2	2	2
Missiles	0	0	0	0	1	1
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	28	32	33	36	36	37
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	107	114	119	130	132	141
Total	142	153	160	174	178	187

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

**Projected Defense Purchases of
Measuring Devices and Environmental Controls**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	542	556	562	582	609	638
Indirect Purchases	330	354	368	382	391	396
Total	872	910	930	964	1,000	1,035

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	17	18	19	20	21	22
Aircraft Parts	4	4	4	4	5	5
Ammunition	1	2	2	2	2	2
Communication Equipment	6	6	6	7	7	7
Missiles	1	1	2	2	2	2
Motor Vehicles	16	17	16	16	17	19
Shipbuilding	5	6	6	6	7	7
Tanks	0	0	0	0	0	0
Other Electronic Equipment	2	3	3	3	3	3
Other Ordinances	0	0	0	0	0	0
Other	277	298	310	321	328	329
Total	330	354	368	382	391	396

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

**Projected Defense Purchases of
Industrial and Commercial Machinery, n.e.c.**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	97	105	107	110	112	113
Indirect Purchases	735	793	823	859	883	907
Total	832	898	930	969	996	1,020

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	50	52	56	60	63	65
Aircraft Parts	59	62	67	71	77	82
Ammunition	41	47	51	54	56	59
Communication Equipment	38	41	43	45	47	47
Missiles	12	13	15	16	17	18
Motor Vehicles	29	30	28	28	29	31
Shipbuilding	23	25	27	29	29	30
Tanks	3	4	4	4	4	4
Other Electronic Equipment	24	27	29	30	31	31
Other Ordinances	5	5	5	5	5	5
Other	452	488	499	518	526	533
Total	735	793	823	859	883	907

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

**Projected Defense Purchases of
Aluminum Rolling and Drawing Products**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	10	10	10	10	10	10
Indirect Purchases	798	847	867	891	908	935
Total	808	857	877	901	919	946
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	30	32	33	35	37	38
Aircraft Parts	108	112	120	125	133	140
Ammunition	39	44	47	49	51	53
Communication Equipment	42	45	46	47	48	48
Missiles	10	11	12	13	14	15
Motor Vehicles	33	34	32	33	34	36
Shipbuilding	38	42	44	46	46	47
Tanks	29	32	31	31	32	34
Other Electronic Equipment	24	27	28	29	30	30
Other Ordinances	2	3	3	3	3	3
Other	441	467	470	479	481	492
Total	798	847	867	891	908	935

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

**Projected Defense Purchases of
Special Dies, Jigs, Molds, and Cutting Tools**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	14	14	14	14	15	15
Indirect Purchases	744	806	830	859	878	909
Total	758	820	844	873	893	924
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	64	67	71	75	79	82
Aircraft Parts	22	23	25	26	28	30
Ammunition	23	26	28	30	31	32
Communication Equipment	25	26	27	28	29	30
Missiles	10	11	13	14	14	15
Motor Vehicles	22	23	21	21	22	25
Shipbuilding	13	14	14	15	15	16
Tanks	3	3	3	3	3	4
Other Electronic Equipment	16	18	19	20	20	20
Other Ordinances	3	3	3	3	3	3
Other	545	592	605	623	632	653
Total	744	806	830	859	878	909

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

**Projected Defense Purchases of
Drugs**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	116	115	114	115	119	122
Indirect Purchases	657	684	604	601	595	590
Total	773	800	719	717	713	711
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	1	1
Ammunition	0	0	0	0	0	0
Communication Equipment	1	1	1	1	1	1
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0
Other	655	681	601	598	592	586
Total	657	684	604	601	595	590

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

**Projected Defense Purchases of
Mechanical Power Transmission Equipment**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	324	352	371	404	438	477
Indirect Purchases	387	409	414	429	435	446
Total	711	760	784	833	873	922

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	7	7	8	8	8	9
Aircraft Parts	18	19	20	21	23	24
Ammunition	2	2	2	2	3	3
Communication Equipment	4	4	4	4	5	5
Missiles	2	2	2	2	2	2
Motor Vehicles	12	12	11	11	11	12
Shipbuilding	108	120	125	134	135	138
Tanks	57	63	62	62	65	71
Other Electronic Equipment	3	3	4	4	4	4
Other Ordinances	0	0	0	0	0	0
Other	175	177	176	180	179	178
Total	387	409	414	429	435	446

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

**Projected Defense Purchases of
Steam, Gas, and Hydraulic Turbines**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	653	718	685	700	797	819
Indirect Purchases	30	31	31	31	33	33
Total	683	750	716	732	830	852

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	5	5	5	5	5	5
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	24	24	24	24	26	26
Total	30	31	31	31	33	33

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

**Projected Defense Purchases of
Other Ordnance and Accessories**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	670	713	791	912	1,038	1,127
Indirect Purchases	30	32	36	41	46	50
Total	700	744	827	953	1,084	1,177

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	2	3	4	4	4	4
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	28	28	32	37	42	46
Other	0	0	0	0	0	0
Total	30	32	36	41	46	50

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

**Projected Defense Purchases of
Laboratory and Optical Instruments**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	498	506	524	534	536	527
Indirect Purchases	208	222	242	256	267	282
Total	706	728	766	789	803	809
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	8	8	9	10	10	11
Aircraft Parts	58	61	66	70	75	80
Ammunition	3	4	4	4	4	5
Communication Equipment	12	12	13	13	14	14
Missiles	91	99	112	121	125	135
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	5	6	6	7	7	7
Other Ordinances	0	0	0	0	0	0
Other	30	31	30	31	31	31
Total	208	222	242	256	267	282

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

**Projected Defense Purchases of
Screw Machine Products, Bolts and Nuts**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	46	43	41	40	41	42
Indirect Purchases	627	674	697	722	742	769
Total	673	717	739	762	783	811
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	19	20	22	23	24	25
Aircraft Parts	66	69	75	79	85	90
Ammunition	39	44	48	51	53	55
Communication Equipment	49	52	55	56	58	58
Missiles	7	7	8	9	9	10
Motor Vehicles	25	25	24	24	25	27
Shipbuilding	23	26	27	28	29	29
Tanks	6	7	7	7	7	8
Other Electronic Equipment	24	27	29	30	31	32
Other Ordinances	6	7	7	7	7	7
Other	363	390	397	408	415	428
Total	627	674	697	722	742	769

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

**Projected Defense Purchases of
Small Arms Ammunition**

(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	437	695	823	850	869	876
Indirect Purchases	3	3	4	4	4	4
Total	441	699	827	854	873	881
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	2	1	2	2	3	3
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0
Other	1	1	1	1	1	1
Total	3	3	4	4	4	4

Note: Numbers may not add to totals 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 2002 through 2007. 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, over the forecast period.

The industrial *sectors* represented in the tables are aggregates of the *industries* covered in Section II. Industrial projections are made for 320 industries. For purposes of the state-level reports, these are grouped into 97 industrial sectors. Thus, industrial sector 51, “Aerospace,” used in the state tables, includes four industries: industry 235, “Aircraft”; industry 236, “Aircraft and Missile Engines, Propulsion Units and Parts”; industry 237, “Aircraft and Missile Parts and Auxiliary Equipment, n.e.c.”; and industry 21, “Guided Missiles and Space Vehicles.”

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*, as opposed to 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.

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Alabama Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,628	9,139	9,382	9,586	8,721	8,704
Indirect Defense Purchases Resulting from Direct Purchases	3,641	3,909	4,047	4,217	4,285	4,318
Indirect Defense Purchases Resulting from Direct Pay	2,102	2,233	2,314	2,343	2,333	2,314
Total Nondefense Expenditures	245,937	256,489	266,652	276,057	286,240	297,019
Total Output	260,311	271,774	282,398	292,206	301,579	312,356
Government Industry Compensation	3,203	3,261	3,300	3,316	2,392	2,372

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	3,144	3,469	3,649	3,784	3,763	3,690
Computer & data processing	420	446	446	449	458	460
Air transport	388	405	413	422	443	462
Aerospace	322	340	360	377	394	415
New construction	169	183	180	182	194	207

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	1,058	1,162	1,221	1,279	1,287	1,280
Computer & data processing	421	458	483	505	522	533
Other business services	265	258	258	271	278	282
Primary nonferrous metals	138	148	155	162	167	173
Wholesale trade	136	146	150	155	159	162

Alaska Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,364	2,527	2,571	2,613	2,512	2,526
Indirect Defense Purchases Resulting from Direct Purchases	825	870	877	917	940	947
Indirect Defense Purchases Resulting from Direct Pay	616	656	680	689	686	681
Total Nondefense Expenditures	32,604	34,080	35,455	36,790	38,292	39,871
Total Output	36,408	38,132	39,583	41,008	42,430	44,024
Government Industry Compensation	1,127	1,207	1,255	1,270	1,138	1,128

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	240	259	254	257	275	297
Professional services	210	226	225	226	232	237
Communications services	169	180	188	191	194	195
Trucking, highway passenger transit	121	134	137	146	140	131
Air transport	99	107	108	111	112	111

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	146	158	160	165	166	166
Other business services	152	146	139	155	165	166
Professional services	71	76	75	76	79	82
Finance & insurance	55	60	61	63	64	65
Electric utilities	45	49	50	52	53	54

Arizona Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	10,713	11,233	11,014	11,165	10,316	10,459
Indirect Defense Purchases Resulting from Direct Purchases	2,238	2,410	2,494	2,598	2,663	2,706
Indirect Defense Purchases Resulting from Direct Pay	1,629	1,731	1,794	1,816	1,809	1,794
Total Nondefense Expenditures	288,567	302,720	315,837	327,981	340,866	354,545
Total Output	303,125	318,072	331,114	343,535	355,632	369,488
Government Industry Compensation	2,447	2,540	2,598	2,612	1,625	1,611

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Other medical services & dentists	3,230	3,321	2,834	2,774	2,714	2,670
Aerospace	1,967	2,061	2,201	2,318	2,461	2,649
Professional services	1,146	1,248	1,278	1,304	1,316	1,311
Search & navigation equipment	284	303	312	319	324	320
Metal products	258	282	303	324	337	352

**Indirect Defense Purchases Resulting
from Direct Expenditures**

Professional services	386	418	428	441	450	455
Aerospace	189	204	224	240	253	264
Wholesale trade	155	167	171	178	181	185
Electronic components	150	166	180	192	203	212
Other business services	122	134	138	146	150	152

Arkansas Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,020	2,132	2,153	2,192	1,795	1,816
Indirect Defense Purchases Resulting from Direct Purchases	1,545	1,658	1,699	1,762	1,792	1,810
Indirect Defense Purchases Resulting from Direct Pay	912	966	998	1,009	1,002	992
Total Nondefense Expenditures	157,078	163,695	170,179	176,159	182,284	188,975
Total Output	161,562	168,458	175,038	181,130	186,883	193,603
Government Industry Compensation	962	992	1,011	1,015	587	582

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Water and sanitary services	163	178	180	183	187	190
Air transport	132	146	152	159	159	155
New construction	135	145	140	142	156	174
Trucking, highway passenger transit	94	104	107	114	109	102
Hotels	63	70	71	75	74	73

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	222	238	242	250	254	255
Water and sanitary services	97	104	106	110	110	110
Wholesale trade	73	78	80	83	85	86
Trucking, highway passenger transit	66	72	74	77	77	76
Electronic components	61	68	73	78	83	86

California Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	42,981	45,652	46,480	47,490	44,044	44,348
Indirect Defense Purchases Resulting from Direct Purchases	18,294	19,784	20,413	21,235	21,632	21,844
Indirect Defense Purchases Resulting from Direct Pay	11,201	11,903	12,320	12,466	12,414	12,307
Total Nondefense Expenditures	1,984,971	2,079,133	2,168,776	2,251,513	2,335,368	2,426,408
Total Output	2,057,372	2,156,385	2,247,908	2,332,615	2,413,375	2,504,845
Government Industry Compensation	14,960	15,595	15,988	16,106	12,103	12,002

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	8,525	9,295	9,710	10,039	10,099	10,032
Aerospace	4,717	4,984	5,300	5,564	5,845	6,195
Other medical services & dentists	3,037	3,123	2,665	2,608	2,552	2,511
New construction	1,240	1,339	1,312	1,325	1,423	1,535
Search & navigation equipment	997	1,038	1,066	1,086	1,124	1,123

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	2,869	3,112	3,251	3,394	3,454	3,480
Real estate and royalties	1,274	1,370	1,391	1,437	1,460	1,470
Wholesale trade	1,141	1,226	1,258	1,307	1,335	1,357
Finance & insurance	988	1,068	1,085	1,124	1,141	1,147
Electronic components	877	975	1,056	1,125	1,191	1,243

Colorado Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,795	8,377	8,644	8,841	7,910	7,862
Indirect Defense Purchases Resulting from Direct Purchases	2,473	2,667	2,748	2,857	2,913	2,944
Indirect Defense Purchases Resulting from Direct Pay	1,959	2,089	2,163	2,190	2,184	2,165
Total Nondefense Expenditures	290,574	304,581	317,436	329,494	342,496	356,145
Total Output	302,805	317,718	330,995	343,387	355,509	369,123
Government Industry Compensation	3,016	3,157	3,244	3,267	2,279	2,260

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Electronic components	1,813	2,028	2,150	2,246	2,239	2,175
Professional services	958	1,040	1,078	1,111	1,125	1,127
New construction	348	379	374	377	398	421
Computer & data processing	232	246	245	247	251	253
Air transport	161	177	181	189	189	186

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	323	348	361	376	385	391
Communications services	240	258	265	274	279	282
Computer & data processing	233	253	266	277	287	293
Real estate and royalties	228	245	249	257	261	262
Wholesale trade	152	164	168	174	178	181

Connecticut Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,173	4,499	4,641	4,794	4,698	4,769
Indirect Defense Purchases Resulting from Direct Purchases	1,947	2,112	2,189	2,282	2,336	2,370
Indirect Defense Purchases Resulting from Direct Pay	735	780	807	817	814	808
Total Nondefense Expenditures	224,054	235,191	245,668	255,136	264,375	274,738
Total Output	230,927	242,602	253,326	263,051	272,244	282,589
Government Industry Compensation	693	730	753	759	574	569

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships & boats	1,207	1,340	1,392	1,451	1,438	1,424
Aerospace	603	629	668	702	745	800
Professional services	427	464	484	501	505	503
General and miscellaneous industrial machinery	131	142	147	157	169	180
Engines and turbines	117	128	121	125	146	157

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	229	247	271	290	306	319
Professional services	144	155	162	169	173	174
Other business services	120	147	156	165	171	173
Real estate and royalties	116	124	126	130	132	133
Wholesale trade	114	123	126	131	134	136

Delaware Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	778	831	843	854	740	740
Indirect Defense Purchases Resulting from Direct Purchases	503	538	545	561	567	568
Indirect Defense Purchases Resulting from Direct Pay	329	350	363	368	366	364
Total Nondefense Expenditures	60,885	63,793	66,414	68,856	71,383	74,136
Total Output	62,496	65,511	68,164	70,638	73,055	75,807
Government Industry Compensation	414	438	452	456	336	333

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	57	63	62	63	65	67
Education, social services, membership organizations	49	52	49	48	49	48
Medical instruments & supplies	35	38	40	41	41	41
Professional services	28	30	31	32	32	33
Hotels	22	24	25	26	26	25

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	74	80	81	84	85	85
Other chemicals	62	65	64	65	65	64
Finance & insurance	30	32	33	34	34	34
Education, social services, membership organizations	27	29	29	30	30	31
Plastics & synthetics	26	28	28	29	29	29

District of Columbia Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,349	4,604	4,589	4,630	4,587	4,578
Indirect Defense Purchases Resulting from Direct Purchases	1,914	2,073	2,112	2,182	2,215	2,227
Indirect Defense Purchases Resulting from Direct Pay	797	849	881	893	890	883
Total Nondefense Expenditures	70,416	73,919	77,311	80,412	83,567	87,120
Total Output	77,477	81,446	84,896	88,119	91,259	94,809
Government Industry Compensation	1,675	1,738	1,777	1,794	1,723	1,709

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	616	676	697	714	715	707
Computer & data processing	361	385	378	379	383	384
Communications services	299	319	315	319	325	328
New construction	224	247	246	248	256	262
Water transport	196	214	208	207	207	205

Indirect Defense Purchases Resulting from Direct Expenditures

Finance & insurance	378	408	414	428	434	437
Computer & data processing	362	396	410	427	437	444
Movies and amusements	272	290	291	297	298	297
Professional services	207	226	233	241	245	245
Real estate and royalties	178	194	196	202	200	197

Florida Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	20,079	21,206	21,728	22,189	18,711	18,828
Indirect Defense Purchases Resulting from Direct Purchases	8,719	9,307	9,597	9,960	10,130	10,256
Indirect Defense Purchases Resulting from Direct Pay	5,490	5,844	6,057	6,133	6,112	6,063
Total Nondefense Expenditures	917,955	963,388	1,005,156	1,044,105	1,085,868	1,129,595
Total Output	952,222	999,722	1,042,510	1,082,360	1,120,802	1,164,732
Government Industry Compensation	8,491	8,773	8,952	8,992	5,254	5,210

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	2,810	3,030	3,137	3,229	3,287	3,308
Aerospace	2,123	2,256	2,395	2,510	2,620	2,751
Communication equipment	686	751	791	811	813	800
New construction	607	657	644	650	697	751
Air transport	415	454	468	489	492	486

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	1,929	1,994	2,052	2,115	2,137	2,178
Professional services	946	1,015	1,050	1,092	1,124	1,148
Real estate and royalties	737	793	805	832	844	850
Wholesale trade	526	565	580	602	615	626
Communications services	397	428	439	454	463	468

Georgia Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	15,748	16,873	17,422	17,835	16,499	16,416
Indirect Defense Purchases Resulting from Direct Purchases	4,944	5,324	5,467	5,680	5,776	5,824
Indirect Defense Purchases Resulting from Direct Pay	4,208	4,477	4,638	4,695	4,678	4,639
Total Nondefense Expenditures	507,286	530,680	552,559	572,987	594,456	617,399
Total Output	532,189	557,357	580,088	601,200	621,413	644,287
Government Industry Compensation	6,292	6,611	6,807	6,865	5,432	5,387

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	6,241	6,861	7,222	7,494	7,533	7,464
Professional services	503	542	555	568	579	585
New construction	381	414	407	411	437	466
Air transport	286	315	326	343	342	334
Advertising	278	299	295	295	300	301

Indirect Defense Purchases Resulting from Direct Expenditures

Advertising	706	754	768	791	802	810
Wholesale trade	360	387	397	413	422	429
Communications services	325	351	360	372	379	383
Real estate and royalties	270	291	295	305	309	311
Air transport	213	233	245	258	264	268

Hawaii Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,954	5,290	5,404	5,470	5,209	5,202
Indirect Defense Purchases Resulting from Direct Purchases	948	1,034	1,059	1,096	1,116	1,125
Indirect Defense Purchases Resulting from Direct Pay	1,634	1,741	1,807	1,832	1,825	1,811
Total Nondefense Expenditures	82,017	85,732	89,187	92,631	96,375	100,414
Total Output	89,555	93,799	97,458	101,030	104,527	108,553
Government Industry Compensation	3,265	3,461	3,580	3,619	3,323	3,295

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	545	599	595	600	622	643
Professional services	330	358	362	367	372	373
Communications services	86	92	94	95	97	98
Hotels	65	72	72	75	75	74
Electric utilities	62	68	68	69	70	71

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	111	120	121	124	127	129
Other business services	100	119	126	132	137	139
Advertising	110	118	120	124	126	127
Real estate and royalties	101	108	110	114	115	116
Electric utilities	63	68	70	72	74	74

Idaho Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,272	2,444	2,468	2,544	2,377	2,380
Indirect Defense Purchases Resulting from Direct Purchases	1,367	1,469	1,503	1,559	1,584	1,596
Indirect Defense Purchases Resulting from Direct Pay	396	421	435	440	438	433
Total Nondefense Expenditures	72,122	75,176	78,229	81,007	83,936	87,155
Total Output	76,158	79,510	82,636	85,551	88,335	91,565
Government Industry Compensation	490	513	528	531	341	338

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Air transport	349	386	400	421	420	409
Trucking, highway passenger transit	339	374	387	413	394	366
New construction	178	189	181	183	206	236
Real estate and royalties	116	121	113	113	116	119
Electric utilities	80	86	86	87	90	91

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	385	414	421	435	441	445
Finance & insurance	193	208	213	221	224	225
Automobile services	122	133	138	145	145	144
Electric utilities	80	86	88	92	94	95
Federal & state and local government enterprises	73	78	78	80	81	81

Illinois Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,194	6,583	6,740	6,878	6,380	6,395
Indirect Defense Purchases Resulting from Direct Purchases	5,878	6,318	6,485	6,729	6,857	6,938
Indirect Defense Purchases Resulting from Direct Pay	3,038	3,225	3,333	3,370	3,354	3,324
Total Nondefense Expenditures	828,064	866,916	904,869	939,228	972,487	1,009,772
Total Output	843,180	883,050	921,433	956,212	989,086	1,026,438
Government Industry Compensation	3,200	3,393	3,510	3,545	2,987	2,962

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	339	368	375	381	386	387
Metal products	293	321	344	368	382	400
Agriculture, construction, mining & oilfield equipment	252	256	260	265	268	271
Trucking, highway passenger transit	225	247	253	269	258	242
New construction	223	241	237	239	256	276

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	504	542	556	577	590	599
Electronic components	356	396	428	457	483	504
Printing & publishing	366	391	396	405	409	410
Metal products	318	339	348	360	367	376
Air transport	272	298	313	329	337	342

Indiana Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	5,307	5,527	5,329	5,376	5,083	5,118
Indirect Defense Purchases Resulting from Direct Purchases	3,455	3,697	3,798	3,939	4,026	4,093
Indirect Defense Purchases Resulting from Direct Pay	1,455	1,538	1,592	1,610	1,598	1,586
Total Nondefense Expenditures	416,701	434,728	453,758	470,132	485,441	503,063
Total Output	426,925	445,502	464,498	481,081	496,170	513,885
Government Industry Compensation	1,222	1,243	1,257	1,263	928	920

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Other medical services & dentists	1,639	1,685	1,438	1,407	1,377	1,355
Professional services	535	576	597	615	627	630
Communication equipment	269	285	308	310	320	325
Aerospace	252	267	282	295	308	323
Motor vehicles	193	205	188	193	202	225

Indirect Defense Purchases Resulting from Direct Expenditures

Primary nonferrous metals	366	392	410	427	442	457
Primary ferrous metals	221	232	235	241	247	252
Wholesale trade	203	218	224	233	238	242
Metal products	186	199	204	211	215	220
Plastic products	181	195	199	206	210	214

Iowa Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,319	1,392	1,455	1,492	1,385	1,417
Indirect Defense Purchases Resulting from Direct Purchases	1,149	1,232	1,263	1,309	1,333	1,350
Indirect Defense Purchases Resulting from Direct Pay	585	619	638	645	640	633
Total Nondefense Expenditures	191,470	199,970	208,245	215,861	223,215	231,522
Total Output	194,522	203,212	211,599	219,304	226,570	234,921
Government Industry Compensation	337	347	353	355	208	206

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Communication equipment	266	281	309	310	322	327
Aerospace	227	236	252	266	284	309
Professional services	111	120	126	131	133	133
Electronic components	62	69	73	76	77	75
Trucking, highway passenger transit	36	39	40	43	41	38

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	117	126	129	134	137	139
Printing & publishing	77	82	83	85	86	86
Trucking, highway passenger transit	65	70	72	75	75	74
Communications services	63	68	69	72	73	74
Electronic components	59	65	71	75	80	83

Kansas Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,738	2,897	2,978	3,043	2,743	2,796
Indirect Defense Purchases Resulting from Direct Purchases	1,638	1,744	1,794	1,876	1,924	1,952
Indirect Defense Purchases Resulting from Direct Pay	1,153	1,225	1,268	1,282	1,275	1,264
Total Nondefense Expenditures	177,350	185,613	193,238	200,252	207,346	215,151
Total Output	182,912	191,515	199,317	206,495	213,329	221,210
Government Industry Compensation	1,436	1,520	1,572	1,586	1,230	1,220

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	495	517	553	583	621	672
New construction	128	139	136	137	147	159
Trucking, highway passenger transit	90	99	102	108	104	97
Professional services	65	70	70	71	72	73
Computer & data processing	66	70	67	67	68	68

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	274	296	324	348	366	382
Communications services	117	126	129	134	136	137
Wholesale trade	106	114	117	121	124	126
Other business services	98	88	82	92	99	100
Printing & publishing	80	85	86	88	89	89

Kentucky Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,676	6,976	6,701	6,729	6,318	6,295
Indirect Defense Purchases Resulting from Direct Purchases	5,706	5,827	5,953	6,129	6,183	6,294
Indirect Defense Purchases Resulting from Direct Pay	1,769	1,876	1,945	1,969	1,959	1,944
Total Nondefense Expenditures	237,424	247,692	258,327	267,758	277,079	287,450
Total Output	251,576	262,372	272,924	282,587	291,543	301,988
Government Industry Compensation	2,410	2,589	2,697	2,727	2,332	2,312

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Other medical services & dentists	2,557	2,629	2,243	2,196	2,149	2,114
Other business services	346	297	287	283	279	284
Air transport	187	204	211	220	222	221
New construction	159	172	169	171	183	198
Professional services	140	148	152	155	161	166

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	3,680	3,667	3,745	3,845	3,859	3,942
Wholesale trade	121	130	134	139	142	144
Air transport	112	123	129	136	139	141
Primary nonferrous metals	106	113	118	124	128	132
Coal mining	102	110	111	114	116	117

Louisiana Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,100	4,397	4,476	4,601	4,141	4,150
Indirect Defense Purchases Resulting from Direct Purchases	2,017	2,171	2,222	2,307	2,333	2,336
Indirect Defense Purchases Resulting from Direct Pay	1,347	1,432	1,482	1,499	1,492	1,478
Total Nondefense Expenditures	249,924	261,319	271,545	281,266	291,333	302,245
Total Output	257,404	269,337	279,742	289,692	299,318	310,227
Government Industry Compensation	1,744	1,829	1,881	1,896	1,413	1,401

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships & boats	806	894	926	995	1,011	1,042
Water transport	478	528	533	551	535	509
New construction	179	194	190	192	206	222
Professional services	111	119	121	123	126	128
Trucking, highway passenger transit	103	113	116	124	118	111

Indirect Defense Purchases Resulting from Direct Expenditures

Petroleum refining	281	302	306	316	318	316
Wholesale trade	133	142	146	152	155	158
Aerospace	115	124	136	146	153	160
Real estate and royalties	105	113	115	119	120	121
Water transport	93	101	102	105	104	102

Maine Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,648	2,856	2,937	3,067	2,882	2,885
Indirect Defense Purchases Resulting from Direct Purchases	940	1,012	1,040	1,081	1,098	1,107
Indirect Defense Purchases Resulting from Direct Pay	527	559	579	586	583	578
Total Nondefense Expenditures	72,871	76,163	79,232	82,109	85,150	88,476
Total Output	76,994	80,600	83,799	86,853	89,722	93,056
Government Industry Compensation	783	801	812	817	627	622

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships & boats	588	657	695	755	771	799
Medical instruments & supplies	334	376	404	433	405	375
Trucking, highway passenger transit	141	156	162	172	164	153
Air transport	109	120	125	131	131	128
New construction	100	107	103	104	116	131

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	210	226	230	237	241	242
Finance & insurance	119	129	132	137	139	139
Automobile services	57	62	64	67	68	67
Aerospace	54	58	64	68	72	75
Paper	48	51	52	53	53	53

Maryland Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	14,932	15,811	15,975	16,259	15,458	15,448
Indirect Defense Purchases Resulting from Direct Purchases	4,463	4,831	4,969	5,162	5,254	5,296
Indirect Defense Purchases Resulting from Direct Pay	2,692	2,866	2,973	3,012	3,002	2,978
Total Nondefense Expenditures	286,980	300,687	313,862	325,982	338,975	352,833
Total Output	309,044	324,169	337,757	350,389	362,660	376,529
Government Industry Compensation	4,955	5,102	5,194	5,231	4,319	4,283

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	2,974	3,253	3,389	3,508	3,513	3,465
Other medical services & dentists	1,074	1,105	948	930	910	895
Computer & data processing	831	884	865	868	878	879
Aerospace	560	586	624	656	697	749
New construction	451	493	488	492	516	541

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	1,001	1,089	1,134	1,186	1,201	1,202
Computer & data processing	834	909	938	976	1,001	1,017
Advertising	285	304	310	320	324	328
Real estate and royalties	264	284	289	298	302	303
Other business services	170	198	208	219	228	230

Massachusetts Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,183	8,745	9,102	9,361	9,183	9,243
Indirect Defense Purchases Resulting from Direct Purchases	3,956	4,239	4,396	4,579	4,655	4,703
Indirect Defense Purchases Resulting from Direct Pay	1,164	1,236	1,277	1,292	1,287	1,276
Total Nondefense Expenditures	417,431	437,709	457,215	475,033	492,624	512,343
Total Output	430,729	451,923	471,982	490,256	507,741	527,558
Government Industry Compensation	1,076	1,097	1,110	1,116	784	778

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	2,789	3,055	3,222	3,348	3,349	3,301
Communication equipment	817	874	940	950	974	980
Aerospace	801	836	888	933	989	1,062
Water transport	495	541	524	523	523	518
Metal products	312	340	365	392	406	425

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	938	1,023	1,079	1,132	1,145	1,145
Other business services	426	429	440	452	454	464
Wholesale trade	245	263	270	281	287	292
Computer & data processing	228	250	264	279	284	287
Electronic components	204	227	246	262	277	290

Michigan Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,977	4,140	4,151	4,250	3,931	3,985
Indirect Defense Purchases Resulting from Direct Purchases	4,018	4,307	4,403	4,561	4,645	4,707
Indirect Defense Purchases Resulting from Direct Pay	1,962	2,071	2,148	2,173	2,151	2,139
Total Nondefense Expenditures	636,662	663,635	693,143	718,545	741,283	768,181
Total Output	646,631	674,166	703,856	729,540	752,020	779,024
Government Industry Compensation	1,161	1,171	1,178	1,183	805	799

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Other transportation equipment	534	531	499	500	490	497
Professional services	194	210	216	222	224	225
Trucking, highway passenger transit	165	182	188	201	192	178
Air transport	164	180	186	195	195	191
New construction	134	142	135	137	155	178

Indirect Defense Purchases Resulting from Direct Expenditures

Metal products	372	397	407	421	430	439
Wholesale trade	329	354	363	377	385	392
Real estate and royalties	272	292	297	307	311	313
Primary nonferrous metals	205	220	229	239	248	256
Plastic products	195	211	215	223	227	231

Minnesota Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,228	3,439	3,527	3,629	3,466	3,509
Indirect Defense Purchases Resulting from Direct Purchases	2,701	2,906	2,988	3,101	3,155	3,187
Indirect Defense Purchases Resulting from Direct Pay	907	960	990	1,000	995	985
Total Nondefense Expenditures	354,150	370,416	386,346	400,936	415,099	431,026
Total Output	360,989	377,725	393,854	408,669	422,718	438,712
Government Industry Compensation	556	572	582	584	354	352

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Metal products	598	646	681	714	733	757
Professional services	511	559	583	602	605	599
Aerospace	219	234	248	259	268	278
Air transport	194	213	218	228	228	224
Trucking, highway passenger transit	130	143	148	158	151	141

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	214	230	236	245	251	255
Printing & publishing	202	216	219	224	226	227
Real estate and royalties	181	195	198	204	207	208
Professional services	172	187	195	203	207	208
Electronic components	119	132	143	152	161	168

Mississippi Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,538	4,853	4,979	5,149	4,688	4,751
Indirect Defense Purchases Resulting from Direct Purchases	2,571	2,746	2,825	2,927	2,976	3,016
Indirect Defense Purchases Resulting from Direct Pay	1,353	1,436	1,487	1,505	1,448	1,435
Total Nondefense Expenditures	160,860	167,662	174,202	180,366	186,696	193,696
Total Output	169,332	176,707	183,503	189,957	195,818	202,908
Government Industry Compensation	1,927	2,019	2,076	2,093	1,571	1,558

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships & boats	1,003	1,121	1,184	1,287	1,314	1,361
New construction	215	232	227	229	247	269
Trucking, highway passenger transit	195	215	222	236	226	211
Aerospace	149	155	166	175	187	204
Air transport	121	133	138	144	144	142

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	941	992	1,025	1,059	1,074	1,093
Real estate and royalties	203	218	222	229	232	234
Computer & data processing	124	136	138	143	146	148
Finance & insurance	92	99	101	105	107	107
Aerospace	89	96	105	113	119	124

Missouri Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,665	8,055	8,380	8,644	8,321	8,594
Indirect Defense Purchases Resulting from Direct Purchases	2,682	2,886	2,972	3,088	3,148	3,186
Indirect Defense Purchases Resulting from Direct Pay	1,800	1,913	1,979	2,002	1,992	1,975
Total Nondefense Expenditures	364,379	381,325	397,039	411,537	426,121	442,219
Total Output	376,482	394,134	410,317	425,217	439,529	455,927
Government Industry Compensation	2,063	2,162	2,223	2,240	1,671	1,657

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	2,561	2,676	2,862	3,018	3,217	3,482
Agriculture, construction, mining & oilfield equipment	896	907	929	949	956	967
Professional services	693	750	791	823	831	829
Search & navigation equipment	397	434	451	463	461	448
New construction	109	118	116	117	125	135

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	233	251	265	278	284	288
Wholesale trade	209	224	230	239	244	248
Communications services	207	223	228	236	241	243
Printing & publishing	147	157	159	163	165	165
Aerospace	133	144	157	169	178	185

Montana Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	632	673	684	694	579	582
Indirect Defense Purchases Resulting from Direct Purchases	363	393	402	416	423	426
Indirect Defense Purchases Resulting from Direct Pay	252	268	277	281	280	277
Total Nondefense Expenditures	47,633	49,768	51,665	53,488	55,432	57,534
Total Output	48,880	51,102	53,029	54,879	56,713	58,819
Government Industry Compensation	378	399	412	415	293	290

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	76	82	81	82	87	94
Trucking, highway passenger transit	23	25	26	28	27	25
Electric utilities	17	19	19	19	19	20
Professional services	15	16	17	17	17	18
Hotels	14	16	16	17	17	16

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	33	36	36	38	38	38
Finance & insurance	27	29	30	31	31	31
Petroleum refining	26	28	29	29	30	29
Wholesale trade	25	27	28	29	30	30
Electric utilities	17	19	19	20	20	20

Nebraska Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,424	1,512	1,540	1,559	1,328	1,327
Indirect Defense Purchases Resulting from Direct Purchases	823	887	910	944	961	971
Indirect Defense Purchases Resulting from Direct Pay	665	706	730	738	733	726
Total Nondefense Expenditures	116,326	121,585	126,596	131,265	135,996	141,192
Total Output	119,239	124,689	129,777	134,506	139,020	144,218
Government Industry Compensation	843	885	911	919	677	672

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	102	113	112	113	117	120
Computer & data processing	105	112	111	112	113	113
Professional services	89	97	97	98	99	100
Aerospace	46	50	53	55	57	58
Communication equipment	31	34	36	37	37	36

Indirect Defense Purchases Resulting from Direct Expenditures

Computer & data processing	105	115	120	126	129	131
Wholesale trade	76	81	84	87	89	90
Trucking, highway passenger transit	51	55	57	59	59	58
Real estate and royalties	44	48	49	50	51	51
Electronic components	36	40	44	46	49	51

Nevada Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,321	2,461	2,484	2,533	2,078	2,097
Indirect Defense Purchases Resulting from Direct Purchases	1,088	1,174	1,203	1,247	1,269	1,281
Indirect Defense Purchases Resulting from Direct Pay	627	668	693	702	700	694
Total Nondefense Expenditures	231,338	241,379	250,693	259,669	268,622	279,272
Total Output	235,375	245,683	255,073	264,153	272,670	283,346
Government Industry Compensation	976	1,012	1,034	1,038	550	545

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Trucking, highway passenger transit	209	231	238	254	243	226
New construction	180	192	185	187	208	234
Air transport	155	171	177	185	185	181
Professional services	156	169	169	170	173	174
Real estate and royalties	67	70	65	66	67	69

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	223	240	244	252	256	257
Finance & insurance	96	104	106	110	111	112
Metal mining	65	72	77	82	86	90
Automobile services	64	70	72	76	76	76
Wholesale trade	54	58	59	61	63	64

New Hampshire Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,141	2,298	2,335	2,407	2,236	2,222
Indirect Defense Purchases Resulting from Direct Purchases	1,269	1,377	1,419	1,473	1,502	1,517
Indirect Defense Purchases Resulting from Direct Pay	292	310	320	324	323	320
Total Nondefense Expenditures	75,598	79,014	82,598	85,778	89,035	92,579
Total Output	79,300	82,999	86,672	89,983	93,096	96,638
Government Industry Compensation	318	322	326	326	144	143

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Trucking, highway passenger transit	275	304	315	336	320	298
Air transport	209	231	239	251	251	245
Professional services	175	190	198	204	207	207
Communications services	170	184	186	189	189	187
Hotels	102	113	115	120	120	117

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	255	275	279	288	292	294
Finance & insurance	131	142	145	150	152	153
Other business services	70	87	92	97	100	101
Automobile services	69	75	78	82	82	82
Electronic components	68	75	81	87	92	96

New Jersey Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,647	7,008	7,200	7,361	7,123	7,175
Indirect Defense Purchases Resulting from Direct Purchases	5,199	5,761	5,963	6,206	6,339	6,392
Indirect Defense Purchases Resulting from Direct Pay	2,011	2,144	2,217	2,245	2,240	2,222
Total Nondefense Expenditures	555,522	581,920	606,384	629,161	651,701	677,066
Total Output	569,380	596,832	621,762	644,970	667,398	692,852
Government Industry Compensation	2,132	2,184	2,216	2,232	1,868	1,852

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,589	1,702	1,797	1,871	1,910	1,923
Search & navigation equipment	380	381	386	391	419	427
Transportation services	221	246	259	264	274	282
Rubber products	180	202	217	230	217	207
Computer & data processing	190	201	199	200	203	204

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	1,035	1,289	1,373	1,444	1,499	1,513
Professional services	535	570	601	632	653	667
Wholesale trade	400	430	441	458	468	476
Communications services	279	301	308	319	325	329
Other chemicals	282	296	292	297	295	292

New Mexico Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,705	5,026	5,085	5,206	4,831	4,847
Indirect Defense Purchases Resulting from Direct Purchases	2,541	2,739	2,803	2,904	2,950	2,969
Indirect Defense Purchases Resulting from Direct Pay	825	879	911	923	920	912
Total Nondefense Expenditures	80,737	84,368	87,912	91,168	94,922	98,778
Total Output	88,808	93,012	96,712	100,202	103,623	107,507
Government Industry Compensation	1,445	1,502	1,537	1,547	1,122	1,112

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	607	662	687	707	711	707
Trucking, highway passenger transit	389	430	445	475	453	421
Air transport	366	402	417	438	439	431
Real estate and royalties	296	310	289	290	297	306
New construction	290	310	300	304	334	371

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	988	1,062	1,078	1,115	1,132	1,141
Finance & insurance	327	354	361	376	380	381
Professional services	204	222	230	239	243	245
Automobile services	132	144	150	157	158	157
Federal & state and local government enterprises	123	131	132	135	136	137

New York Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,637	8,100	8,347	8,559	8,218	8,315
Indirect Defense Purchases Resulting from Direct Purchases	6,372	6,823	6,990	7,263	7,397	7,467
Indirect Defense Purchases Resulting from Direct Pay	2,910	3,096	3,197	3,233	3,223	3,196
Total Nondefense Expenditures	1,088,161	1,143,044	1,192,407	1,238,066	1,283,430	1,334,369
Total Output	1,105,079	1,161,062	1,210,934	1,257,115	1,302,262	1,353,344
Government Industry Compensation	2,353	2,472	2,544	2,566	2,061	2,043

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	911	992	1,040	1,077	1,085	1,077
Metal products	871	949	1,021	1,096	1,138	1,190
Aerospace	615	651	690	722	753	790
Search & navigation equipment	513	516	525	533	567	577
Air transport	310	333	330	334	340	342

Indirect Defense Purchases Resulting from Direct Expenditures

Advertising	758	808	824	849	861	870
Wholesale trade	619	665	683	709	724	737
Printing & publishing	501	536	543	555	561	562
Communications services	484	521	534	553	564	569
Professional services	307	332	348	364	371	374

North Carolina Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,562	8,072	8,307	8,416	7,132	7,131
Indirect Defense Purchases Resulting from Direct Purchases	3,365	3,624	3,720	3,869	3,922	3,947
Indirect Defense Purchases Resulting from Direct Pay	4,180	4,441	4,600	4,658	4,636	4,597
Total Nondefense Expenditures	512,691	535,015	556,853	576,965	597,441	619,657
Total Output	527,799	551,152	573,487	593,909	613,138	635,340
Government Industry Compensation	5,742	6,133	6,369	6,433	5,101	5,058

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	340	371	368	371	390	408
Professional services	181	197	202	206	207	207
Rubber products	147	142	142	153	167	187
Communication equipment	109	116	116	116	118	119
Trucking, highway passenger transit	98	107	110	116	112	105

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	278	298	306	318	325	330
Textiles and knitting	267	285	297	319	309	295
Electronic components	190	211	229	244	258	269
Communications services	164	177	181	188	191	193
Other chemicals	141	148	146	148	148	146

North Dakota Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,343	1,459	1,486	1,523	1,479	1,482
Indirect Defense Purchases Resulting from Direct Purchases	641	678	689	716	729	733
Indirect Defense Purchases Resulting from Direct Pay	311	331	343	347	346	343
Total Nondefense Expenditures	37,554	39,194	40,784	42,270	43,780	45,474
Total Output	39,849	41,662	43,302	44,856	46,335	48,033
Government Industry Compensation	502	544	569	576	517	513

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Hotels	288	318	324	339	338	331
New construction	173	188	185	186	198	211
Trucking, highway passenger transit	59	65	67	71	68	64
Air transport	52	57	59	62	62	61
Electric utilities	47	50	50	51	52	53

Indirect Defense Purchases Resulting from Direct Expenditures

Hotels	146	155	159	164	165	166
Real estate and royalties	102	109	111	115	116	117
Electric utilities	47	50	52	54	55	55
Finance & insurance	36	39	40	41	42	42
Other business services	43	38	34	39	42	42

Ohio Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,023	8,402	8,532	8,725	8,180	8,296
Indirect Defense Purchases Resulting from Direct Purchases	6,800	7,334	7,542	7,827	7,979	8,077
Indirect Defense Purchases Resulting from Direct Pay	2,761	2,928	3,032	3,068	3,050	3,027
Total Nondefense Expenditures	752,424	786,042	820,389	850,691	879,569	912,302
Total Output	770,015	804,716	839,501	870,317	898,781	931,708
Government Industry Compensation	2,987	3,031	3,061	3,077	2,392	2,373

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,050	1,152	1,197	1,233	1,234	1,217
Aerospace	828	864	918	965	1,025	1,103
Computer & data processing	353	374	369	370	376	378
Trucking, highway passenger transit	264	292	303	324	309	287
New construction	253	272	264	267	291	320

Indirect Defense Purchases Resulting from Direct Expenditures

Primary nonferrous metals	463	496	518	540	559	578
Wholesale trade	421	453	464	482	493	501
Metal products	375	400	411	425	434	443
Professional services	353	386	401	417	422	422
Computer & data processing	354	385	400	416	429	437

Oklahoma Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	5,044	5,306	5,397	5,476	4,961	4,995
Indirect Defense Purchases Resulting from Direct Purchases	2,110	2,309	2,382	2,467	2,523	2,551
Indirect Defense Purchases Resulting from Direct Pay	1,803	1,919	1,988	2,013	2,004	1,987
Total Nondefense Expenditures	184,444	192,802	200,871	208,353	216,179	224,426
Total Output	193,402	202,338	210,641	218,312	225,668	233,961
Government Industry Compensation	3,041	3,170	3,250	3,277	2,698	2,675

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	322	343	356	367	378	384
Air transport	310	336	337	344	349	348
Aerospace	312	324	346	365	390	424
New construction	237	258	255	257	271	285
Education, social services, membership organizations	106	114	107	106	106	106

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	241	304	324	341	354	358
Automobile services	164	176	175	179	182	185
Advertising	155	166	177	180	185	187
Petroleum refining	109	118	119	123	124	123
Professional services	108	115	119	124	129	133

Oregon Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,512	1,584	1,593	1,621	1,276	1,289
Indirect Defense Purchases Resulting from Direct Purchases	1,478	1,594	1,641	1,705	1,742	1,766
Indirect Defense Purchases Resulting from Direct Pay	700	742	766	774	770	762
Total Nondefense Expenditures	210,611	220,202	229,245	237,577	245,997	255,281
Total Output	214,309	224,130	233,254	241,687	249,795	259,109
Government Industry Compensation	694	703	709	710	347	344

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Trucking, highway passenger transit	94	104	107	114	109	101
Motor vehicles	71	76	70	71	75	84
Air transport	64	70	72	75	75	74
Water and sanitary services	56	60	60	60	63	66
New construction	48	51	49	49	56	65

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	148	159	162	167	169	170
Wholesale trade	130	140	143	149	152	154
Electronic components	124	137	149	159	168	175
Printing & publishing	62	67	67	69	70	70
Communications services	62	66	68	70	72	73

Pennsylvania Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	12,476	13,104	13,064	13,378	12,773	12,820
Indirect Defense Purchases Resulting from Direct Purchases	12,385	13,323	13,623	14,125	14,375	14,517
Indirect Defense Purchases Resulting from Direct Pay	2,897	3,075	3,178	3,214	3,200	3,172
Total Nondefense Expenditures	758,708	793,295	826,904	857,105	887,238	921,092
Total Output	786,476	822,810	856,787	887,841	917,602	951,621
Government Industry Compensation	3,056	3,083	3,104	3,117	2,362	2,343

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,706	1,830	1,943	2,030	2,069	2,079
Finance & insurance	1,209	1,258	1,116	1,104	1,095	1,085
Other medical services & dentists	1,026	1,055	900	881	862	848
Metal products	877	956	1,028	1,101	1,143	1,196
Aerospace	544	585	617	644	661	678

Indirect Defense Purchases Resulting from Direct Expenditures

Finance & insurance	5,707	6,163	6,247	6,461	6,560	6,605
Professional services	574	613	650	686	707	721
Computer & data processing	391	426	449	469	485	495
Wholesale trade	385	413	424	441	450	458
Primary nonferrous metals	363	389	407	424	439	454

Rhode Island Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,331	1,406	1,430	1,452	1,359	1,361
Indirect Defense Purchases Resulting from Direct Purchases	520	561	575	595	606	612
Indirect Defense Purchases Resulting from Direct Pay	409	434	450	456	455	451
Total Nondefense Expenditures	55,649	58,296	60,796	63,090	65,448	68,037
Total Output	57,911	60,700	63,253	65,596	67,869	70,463
Government Industry Compensation	637	656	667	672	565	560

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	230	252	256	260	262	259
New construction	84	92	92	92	95	98
Search & navigation equipment	86	91	94	96	98	97
Aerospace	47	49	52	55	59	64
Electronic components	36	40	44	46	49	50

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	78	84	86	88	89	90
Real estate and royalties	35	38	39	40	40	40
Finance & insurance	33	35	36	37	38	38
Wholesale trade	29	31	31	33	33	34
Advertising	27	29	29	30	31	31

South Carolina Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	5,307	5,624	5,729	5,817	4,932	4,981
Indirect Defense Purchases Resulting from Direct Purchases	2,130	2,293	2,345	2,433	2,472	2,493
Indirect Defense Purchases Resulting from Direct Pay	2,042	2,171	2,251	2,281	2,272	2,255
Total Nondefense Expenditures	234,192	244,515	254,784	264,220	274,166	284,591
Total Output	243,669	254,601	265,107	274,748	283,842	294,321
Government Industry Compensation	3,078	3,247	3,350	3,377	2,427	2,406

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	342	370	370	373	380	382
New construction	247	269	266	268	283	300
Agriculture, construction, mining & oilfield equipment	204	207	211	216	217	220
Rubber products	156	151	150	162	177	199
Metal products	111	138	151	161	170	183

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	136	146	148	153	155	156
Textiles and knitting	128	137	143	153	149	142
Professional services	115	124	124	126	130	133
Wholesale trade	111	120	123	128	130	133
Computer & data processing	95	104	107	112	114	116

South Dakota Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	565	602	614	623	534	533
Indirect Defense Purchases Resulting from Direct Purchases	319	343	351	364	370	374
Indirect Defense Purchases Resulting from Direct Pay	250	265	275	278	277	274
Total Nondefense Expenditures	47,259	49,367	51,425	53,340	55,269	57,385
Total Output	48,394	50,577	52,665	54,604	56,450	58,566
Government Industry Compensation	330	348	360	363	270	268

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Computers	46	48	49	49	50	51
New construction	40	43	43	43	46	48
Trucking, highway passenger transit	24	26	27	29	28	26
Professional services	12	13	13	13	13	14
Hotels	11	12	12	12	12	12

Indirect Defense Purchases Resulting from Direct Expenditures

Finance & insurance	31	34	35	36	36	36
Real estate and royalties	31	34	34	35	35	35
Wholesale trade	28	30	31	32	33	33
Communications services	16	17	18	18	19	19
Trucking, highway passenger transit	14	15	16	16	16	16

Tennessee Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,851	5,160	5,232	5,368	4,613	4,566
Indirect Defense Purchases Resulting from Direct Purchases	3,078	3,312	3,400	3,528	3,581	3,608
Indirect Defense Purchases Resulting from Direct Pay	1,528	1,619	1,675	1,695	1,686	1,672
Total Nondefense Expenditures	362,507	378,606	394,741	409,293	423,836	439,929
Total Output	371,974	388,707	405,059	419,895	433,727	449,787
Government Industry Compensation	1,392	1,410	1,422	1,424	658	652

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Air transport	1,390	1,499	1,494	1,519	1,543	1,547
Professional services	725	802	844	875	868	847
Trucking, highway passenger transit	261	287	295	314	300	281
Apparel	211	227	244	273	256	228
New construction	114	122	119	120	132	147

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	244	269	283	296	297	294
Movies and amusements	216	231	231	235	236	235
Wholesale trade	208	224	230	239	244	248
Air transport	157	172	181	190	195	198
Real estate and royalties	152	164	166	172	174	175

Texas Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	25,619	27,096	27,780	28,412	25,387	25,885
Indirect Defense Purchases Resulting from Direct Purchases	11,722	12,738	13,132	13,662	13,940	14,085
Indirect Defense Purchases Resulting from Direct Pay	7,967	8,478	8,775	8,879	8,844	8,765
Total Nondefense Expenditures	1,223,180	1,280,406	1,334,022	1,383,604	1,435,523	1,490,480
Total Output	1,268,410	1,328,634	1,383,616	1,434,461	1,483,608	1,539,145
Government Industry Compensation	11,288	11,828	12,160	12,249	8,688	8,615

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	4,784	5,054	5,382	5,654	5,950	6,321
Professional services	1,694	1,818	1,885	1,944	1,987	2,012
Air transport	719	788	808	842	845	831
New construction	709	764	746	754	816	889
Motor vehicles	696	736	675	692	725	811

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	1,256	1,471	1,544	1,623	1,681	1,700
Real estate and royalties	847	911	925	955	968	973
Wholesale trade	755	811	832	864	883	898
Petroleum refining	669	718	728	753	757	753
Communications services	617	665	682	705	719	726

Utah Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,939	3,090	3,142	3,201	3,010	3,017
Indirect Defense Purchases Resulting from Direct Purchases	1,305	1,406	1,447	1,503	1,535	1,555
Indirect Defense Purchases Resulting from Direct Pay	872	927	961	973	969	961
Total Nondefense Expenditures	140,823	147,289	153,405	159,055	164,755	171,048
Total Output	145,946	152,720	158,963	164,740	170,276	176,589
Government Industry Compensation	1,376	1,407	1,428	1,437	1,213	1,203

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	608	653	679	701	716	721
New construction	138	151	149	150	158	167
Communication equipment	116	128	134	139	138	134
Aerospace	73	76	80	84	89	95
Trucking, highway passenger transit	67	73	76	81	77	72

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	205	219	227	237	245	250
Real estate and royalties	76	82	83	86	87	87
Wholesale trade	72	77	79	82	84	85
Advertising	51	55	56	58	58	59
Air transport	49	53	56	59	60	61

Vermont Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,391	1,496	1,509	1,564	1,541	1,566
Indirect Defense Purchases Resulting from Direct Purchases	842	905	927	960	977	985
Indirect Defense Purchases Resulting from Direct Pay	134	141	146	148	147	145
Total Nondefense Expenditures	39,068	40,751	42,474	44,013	45,584	47,378
Total Output	41,436	43,295	45,057	46,687	48,250	50,077
Government Industry Compensation	122	126	128	128	75	74

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Metal products	181	196	211	225	234	244
Trucking, highway passenger transit	150	166	172	183	175	162
Air transport	142	157	163	171	171	166
New construction	110	115	109	111	128	149
Real estate and royalties	83	87	81	81	83	86

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	277	298	302	312	317	319
Finance & insurance	94	101	103	107	109	109
Automobile services	61	66	69	72	73	72
Federal & state and local government enterprises	55	59	59	60	61	61
Electronic components	32	35	38	41	43	45

Virginia Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	36,453	38,723	39,339	39,929	37,237	37,306
Indirect Defense Purchases Resulting from Direct Purchases	10,206	11,125	11,451	11,891	12,145	12,280
Indirect Defense Purchases Resulting from Direct Pay	7,956	8,470	8,792	8,907	8,875	8,805
Total Nondefense Expenditures	440,902	460,487	480,310	498,848	520,115	541,282
Total Output	495,512	518,801	539,889	559,571	578,364	599,666
Government Industry Compensation	14,988	15,615	16,002	16,131	13,074	12,966

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	6,967	7,598	7,839	8,040	8,098	8,053
Computer & data processing	3,704	3,949	3,864	3,878	3,914	3,910
Ships & boats	1,183	1,311	1,355	1,449	1,469	1,507
Communications services	1,058	1,128	1,133	1,150	1,169	1,179
Air transport	1,008	1,083	1,071	1,083	1,104	1,112

Indirect Defense Purchases Resulting from Direct Expenditures

Computer & data processing	3,715	4,063	4,188	4,361	4,464	4,524
Professional services	2,345	2,544	2,624	2,718	2,769	2,793
Other business services	559	668	702	742	773	780
Advertising	542	576	588	605	616	623
Communications services	237	256	262	271	277	279

Washington Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	9,376	9,981	10,262	10,459	9,185	9,142
Indirect Defense Purchases Resulting from Direct Purchases	3,271	3,538	3,677	3,839	3,923	3,974
Indirect Defense Purchases Resulting from Direct Pay	3,236	3,439	3,567	3,611	3,594	3,565
Total Nondefense Expenditures	356,880	373,726	389,184	403,614	419,004	435,308
Total Output	372,827	390,751	406,762	421,599	435,782	452,078
Government Industry Compensation	5,168	5,410	5,559	5,602	4,281	4,245

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,127	1,238	1,299	1,345	1,343	1,321
Aerospace	716	785	826	858	866	863
New construction	419	458	452	456	480	506
Communication equipment	192	205	223	224	231	234
Trucking, highway passenger transit	168	184	186	195	189	180

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	537	580	635	681	717	748
Professional services	379	415	435	455	459	458
Real estate and royalties	237	255	259	268	271	273
Wholesale trade	215	232	238	247	252	256
Communications services	148	159	163	169	172	174

West Virginia Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,120	1,191	1,200	1,233	1,095	1,095
Indirect Defense Purchases Resulting from Direct Purchases	1,016	1,090	1,114	1,152	1,169	1,178
Indirect Defense Purchases Resulting from Direct Pay	292	311	322	326	325	323
Total Nondefense Expenditures	88,521	92,378	95,959	99,239	102,632	106,392
Total Output	90,952	94,974	98,597	101,953	105,224	108,991
Government Industry Compensation	336	344	349	350	203	202

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Trucking, highway passenger transit	202	224	232	247	236	219
New construction	77	82	78	79	90	102
Air transport	61	67	70	73	73	71
Professional services	58	63	66	68	69	68
Hotels	42	46	47	49	49	48

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	136	146	149	153	156	157
Coal mining	110	117	119	122	124	125
Finance & insurance	84	91	92	96	97	98
Primary nonferrous metals	57	61	64	67	69	72
Automobile services	44	48	50	52	53	52

Wisconsin Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,337	2,481	2,516	2,631	2,399	2,404
Indirect Defense Purchases Resulting from Direct Purchases	2,667	2,858	2,929	3,036	3,095	3,141
Indirect Defense Purchases Resulting from Direct Pay	1,026	1,085	1,119	1,131	1,123	1,113
Total Nondefense Expenditures	379,567	396,131	413,141	428,371	442,878	459,375
Total Output	385,606	402,566	419,717	435,180	449,507	466,045
Government Industry Compensation	562	575	584	586	347	344

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Motor vehicles	388	410	377	386	404	452
Apparel	363	406	446	506	470	411
Professional services	106	115	116	118	120	121
Metal products	101	113	123	132	137	145
Aerospace	104	108	115	121	130	141

Indirect Defense Purchases Resulting from Direct Expenditures

Printing & publishing	200	214	217	222	224	224
Wholesale trade	193	207	213	221	226	229
Metal products	192	205	210	218	222	227
Paper	191	204	206	210	212	211
Electronic components	148	164	178	190	201	209

Wyoming Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	479	510	520	527	457	458
Indirect Defense Purchases Resulting from Direct Purchases	307	329	334	345	349	351
Indirect Defense Purchases Resulting from Direct Pay	187	199	206	209	208	206
Total Nondefense Expenditures	32,796	34,113	35,274	36,404	37,611	38,925
Total Output	33,770	35,152	36,335	37,484	38,625	39,941
Government Industry Compensation	297	317	329	332	257	255

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	53	58	58	58	61	64
Trucking, highway passenger transit	15	16	17	17	17	16
Professional services	14	14	14	14	15	17
Hotels	12	14	14	14	14	14
Electric utilities	11	12	12	12	12	13

Indirect Defense Purchases Resulting from Direct Expenditures

Coal mining	32	34	35	36	36	37
Petroleum refining	25	27	28	29	29	29
Finance & insurance	23	25	25	26	26	26
Real estate and royalties	22	24	24	25	25	24
Crude petroleum	19	20	19	20	19	19

Entire United States Summary
(Rounded to millions of 2003 dollars)

	2002	2003	2004	2005	2006	2007
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	351,596	372,841	379,394	387,356	356,040	358,110
Indirect Defense Purchases Resulting from Direct Purchases	172,346	185,588	190,827	198,164	201,805	203,949
Indirect Defense Purchases Resulting from Direct Pay	97,882	104,031	107,734	109,034	108,524	107,618
Total Nondefense Expenditures	17,381,823	18,186,102	18,958,698	19,666,778	20,384,518	21,170,653
Total Output	18,003,646	18,848,562	19,636,652	20,361,331	21,050,888	21,840,330
Government Industry Compensation	133,945	139,583	143,068	144,124	108,524	107,618

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	46,171	50,245	52,293	53,954	54,392	54,141
Aerospace	31,258	33,227	35,274	36,960	38,570	40,481
Other medical services & dentists	14,276	14,681	12,532	12,268	12,005	11,809
New construction	11,794	12,775	12,535	12,655	13,537	14,540
Air transport	9,466	10,319	10,519	10,899	10,986	10,883

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	15,538	16,825	17,505	18,240	18,601	18,780
Other business services	13,094	14,232	14,734	15,369	15,738	15,977
Finance & insurance	10,622	11,479	11,666	12,085	12,260	12,329
Real estate and royalties	10,457	11,256	11,420	11,798	11,957	12,016
Wholesale trade	9,703	10,430	10,700	11,113	11,353	11,545

APPENDIX

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National		SIC Classification	State Level	
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title
1	Dairy Farm Products	241	1	Agriculture, Forestry, and Fisheries
2	Poultry and Eggs	250 -254		
3	Meat Animals and Other Livestock	210 270		
4	Cotton	131		
5	Grains	111 112 115 118 pt 119 pt 139		
6	Tobacco	132		
7	Fruit, Vegetables, and Other Crops	pt 119 133 134 pt 139 170 173 179 161 116		
8	Forestry Products	800 -850 970		
9	Fishery Products	910		
10	Agriculture, Forestry, and Fishery Services	pt 180 254 700 780 850 920		
11	Iron Ores	1010 1060	2	Metal Mining
12	Copper Ore	1020		
13	Other Nonferrous Ores	1030 1040 1050 1080 1090		
14	Coal Mining	1200	3	Coal Mining
15	Natural Gas Extraction	1312	4	Natural Gas
16	Crude Oil Extraction	1311 1320 1380	5	Crude Oil
17	Stone and Clay Quarrying and Mining	1410 1420 1440 1450 1480 1490	6	Nonmetallic Mining
18	Chemical and Fertilizer Minerals Mining	1470		
19	New Construction	1600	7	Construction
20	Maintenance Constructor	1500	8	Maintenance Constructor
21	Guided Missiles and Space Vehicles	3761	51	Aerospace
22	Ammunition, Except Small Arms	3483	34	Metal Products
23	Tanks and Tank Components	3795	53	Other Transportation Equipment
24	Small Arms	3484	34	Metal Products
25	Small Arms Ammunition	3482		
26	Other Ordnance and Accessories	3489		
27	Meat Packing Plants, Sausage and Other Prepared Meats	2011 2013	9	Meat Products
28	Poultry Slaughtering and Processing	2015		
29	Dairy Products, Except Fluid Milk	2021 2022 2023 2024	10	Dairy Products
30	Fluid Milk	2026		
31	Fish and Seafoods	2091 2092	14	Other Food Products
32	Preserved Fruits and Vegetables, Frozen Bakery Products	2032 2033 2034 2035 2037 2038	11	Canned and Frozen Foods
33	Flour, Cereals, and Other Grain Mill Products	2041 2043 2045	12	Bakery and Grain Mill Products
34	Prepared Animal Feeds	2047 2048		
35	Rice Milling	2044		
36	Wet Corn Milling	2046		

National		SIC Classification				State Level			
ind #	Industry Title	Classification Code(s)				sec #	Industrial Sector Title		
37	Bakery Products	2051	2052	2053	12	Bakery and Grain Mill Products			
38	Sugar	2061	2062	2063	14	Other Food Products			
39	Confectionery, Chocolate Products, and Roasted Nuts	2064	2066	2067	2068				
40	Beer, Malt Beverages, and Malt	2082	2083		13	Alcoholic Beverages			
41	Wines, Brandy, and Brandy Spirits	2084							
42	Distilled and Blended Liquors	2085							
43	Soft Drinks and Flavorings	2086	2087		14	Other Food Products			
44	Vegetable Oil Mills	2074,	2075,	2076					
45	Animal and Marine Fats and Oils	2077							
46	Shortening, Table Oils, and Edible Fats	2079							
47	Roasted Coffee	2095							
48	Miscellaneous Food Preparations	2096	2097	2098	2099				
49	Cigarettes	2110			15	Tobacco Products			
50	Cigars	2120							
51	Chewing and Smoking Tobacco and Snuff	2130							
52	Tobacco Stemming and Redrying	2140							
53	Broadwoven Fabric Mills	2210	2220	2230	2261	2262	16	Textiles and Knitting	
54	Narrow Fabric Mills	2240							
55	Yarn and Thread Mills, Textile Finishers	2269	2281	2282	2284				
56	Carpets and Rugs	2270							
57	Miscellaneous Textile Goods	2290							
58	Knitting Mills	2251	2252	2253	2254	2257	2258	2259	
59	Apparel	2300-2390					17	Apparel and Household Textiles	
60	Household Textile Products	2391	2392						
61	Miscellaneous Fabricated Textile Products	2393	2394	2395	2396	2397	2399	3999E	
62	Logging Camps and Contractors	2411					29	Lumber	
63	Sawmills and Planing Mills	2421	2426	2429					
64	Millwork and Wood Kitchen Cabinets	2431	2434						
65	Veneer and Plywood	2435	2436						
66	Structural Wood Members, n.e.c.	2439							
67	Prefabricated Wood Buildings and Components	2452							
68	Wood Preserving	2491							
69	Wood Pallets and Skids	2448							
70	Wood Containers	2441	2449						
71	Particleboard and Wood Products, n.e.c.	2493	2499						
72	Household Furniture	2511	2512	2514	2515	2517	2519	30	Furniture
73	Office Furniture	2521	2522						
74	Public Building and Related Furniture	2531							
75	Partitions and Fixtures	2541	2542						

National		SIC Classification		State Level	
ind #	Industry Title	Classification Code(s)		sec #	Industrial Sector Title
76	Furniture and Fixtures, n.e.c.	2591	2599	30	Furniture
77	Pulp Mills	2610		18	Paper
78	Paper Mills, Including Building Paper	2620			
79	Paperboard Mills	2630			
80	Bags, Except Textile Bags	2673	2674		
81	Paperboard Containers and Boxes	2650			
82	Paper Coating and Glazing, Die Cut Paper	2671	2672 2675		
83	Envelopes and Stationery	2677	2678		
84	Converted Paper Products, n.e.c.	2679			
85	Sanitary Paper Products	2676			
86	Newspaper Publishing and Printing	2710		19	Printing and Publishing
87	Periodical Publishing and Printing	2720			
88	Book Publishing and Printing	2731	2732		
89	Miscellaneous Publishing	2740			
90	Commercial Printing	2752	2754 2759		
91	Greeting Card Publishing	2770			
92	Printing Trade Services	2791	2796		
93	Blankbooks and Bookbinding	2782	2789		
94	Manifold Business Forms	2761			
95	Industrial Inorganic Chemicals	2812	2813 2816 2819, excl. 2819E	23	Other Chemicals
96	Industrial Organic Chemicals	2865	2869		
97	Gum and Wood Chemicals	2861			
98	Agricultural Chemicals	2873	2874 2875 2879	20	Agricultural Fertilizers
99	Adhesives and Sealants	2891		23	Other Chemicals
100	Explosives	2892			
101	Chemical Preparations, n.e.c.	2893	2895 2899		
102	Plastics Materials and Resins	2821		21	Plastics and Synthetics
103	Synthetic Rubber	2822			
104	Cellulosic Man-Made Fibers	2823			
105	Synthetic Organic Fibers, Except Cellulosic	2824			
106	Drugs	2830		22	Drugs
107	Soaps and Cleaners	2841	2842 2843	23	Other Chemicals
108	Perfumes, Cosmetics, and Other Toilet Preparations	2844			
109	Paints, Varnishes, and Related Products	2850			
110	Petroleum Refining, Except Fuel Oil	2911	2917 2992 2999	24	Petroleum Refining
111	Fuel Oil	2915		25	Fuel Oil
112	Asphalt Paving and Coatings	2951	2952	24	Petroleum Refining
113	Tires and Inner Tubes	3010		26	Rubber Products

National		SIC Classification	State Level			
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title		
114	Fabricated Rubber Products, n.e.c.	3060	26	Rubber Products		
115	Rubber and Plastics Footwear	3020				
116	Rubber and Plastics Hose and Belting	3052				
117	Gaskets, Packing, and Sealing Devices	3053				
118	Miscellaneous Plastic Products	3080	27	Plastic Products		
119	Leather Tanning and Finishing	3110	28	Shoes and Leather		
120	Boot and Shoe Cut Stock and Findings	3130				
121	Footwear, Except Rubber	3142 3143 3144 3149				
122	Other Leather Goods	3150 3160 3171 3172 3199				
123	Glass and Glass Products, n.e.c.	3210 3229 3230	31	Stone, Clay, and Glass		
124	Glass Containers	3221				
125	Cement, Hydraulic	3240				
126	Structural Clay Products	3251 3253 3255 3259				
127	Pottery and Related Products	3261 3262 3263 3264 3269				
128	Concrete and Concrete Products	3271 3272 3273				
129	Lime	3274				
130	Gypsum Products	3275				
131	Cut Stone and Stone Products	3280				
132	Nonmetallic Mineral Products, n.e.c.	3291 3292 3295 3296 3297 3299				
133	Steel Mills, Blast Furnaces, and Rolling and Finishing Mill	3312 3313 3315 3316 3317			32	Primary Ferrous Metals
134	Iron and Steel Foundries	3320				
135	Iron and Steel Forgings	3462				
136	Miscellaneous Primary Metal Products	3398 3399				
137	Primary Smelting and Refining of Copper	3331, pt. 3341	33	Primary Nonferrous Metals		
138	Primary Smelting and Refining of Aluminum	3334 28195 pt. 3341				
139	Lead, Zinc, and Other Primary Nonferrous Metals	3339				
140	Copper Rolling and Drawing Products	3351				
141	Aluminum Rolling and Drawing Products	3353 3354 3355				
142	Other Nonferrous Rolling and Drawing Products, and Nonferrous Wire	3356 3357				
143	Aluminum Foundries and Castings	3363 3365				
144	Copper Foundries	3366				
145	Nonferrous Castings and Forgings	3364 3369 3463				
146	Metal Cans	3411			34	Metal Products
147	Metal Shipping Barrels, Drums, Kegs, and Pails	3412				
148	Metal Sanitary Ware and Plumbing Fixtures	3431 3432				
149	Heating Equipment, Except Electrical and Warm Air Furnaces	3433				
150	Fabricated Structural Metal Products	3441 3442				
151	Fabricated Plate Work (Boiler Shops)	3443				
152	Sheet Metal and Other Metal Work	3444 3446 3448 3449				

National		SIC Classification	State Level		
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title	
153	Screw Machine Products, Bolts, and Nuts	3450	34	Metal Products	
154	Automotive Stampings	3465			
155	Crowns and Closures	3466			
156	Metal Stampings, n.e.c.	3469			
157	Cutlery and Hand Tools	3421 3423 3425			
158	Hardware, n.e.c.	3429			
159	Metal Plating, Polishing, and Coating	3471 3479			
160	Metal Foil and Leaf	3497			
161	Miscellaneous Fabricated Wire Products	3495 3496			
162	Steel Springs, Except Wire	3493			
163	Pipes, Valves, and Pipe Fittings	3491 3492 3494 3498			
164	Fabricated Metal Products, n.e.c.	3499			
165	Steam, Gas, and Hydraulic Turbines	3511	35		Engines and Turbines
166	Internal Combustion Engines, n.e.c	3519			
167	Farm Machinery and Equipment	3523	36	Agricultural, Construction, Mining and Moving Equipmen	
168	Garden Tractors and Lawn and Garden Equipmen	3524			
169	Construction Machinery and Equipmen	3531			
170	Mining Machinery and Equipment, Except Oil and Gas Machiner	3532			
171	Oil and Gas Field Machinery	3533			
172	Elevators and Moving Stairways	3534			
173	Conveyers, Hoists, and Cranes	3535 3536			
174	Industrial Trucks, Tractors, Trailers, and Stackers	3537			
175	Machine Tools, Metal Cutting Types	3541	37	Metalworking Machinery	
176	Machine Tools, Metal Forming Types	3542			
177	Special Dies, Jigs, Molds, and Cutting Tools	3544 3545			
178	Power-Driven Hand Tools	3546			
179	Rolling Mill Machinery and Equipmen	3547			
180	Metalworking Machinery, n.e.c	3549			
181	Food Products Machinery	3556	38	Special Industry Machinery	
182	Textile Machinery	3552			
183	Woodworking Machinery	3553			
184	Paper Industries Machinery	3554			
185	Printing Trades Machinery and Equipmen	3555			
186	Special Industrial Machinery, n.e.c	3559			
187	Pumps and Compressors	3561 3563	39	General and Miscellaneous Industrial Machiner	
188	Ball and Roller Bearings	3562			
189	Blowers and Exhaust and Ventilation Fans	3564			
190	Industrial Patterns	3543	37	Metalworking Machinery	
191	Packaging Machinery and General Industrial Machinery, n.e.c	3565 3569	39	General and Miscellaneous Industrial Machiner	
192	Mechanical Power Transmission Equipmen	3566 3568			

National		SIC Classification	State Level	
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title
193	Industrial Process Furnaces and Ovens	3567	39	General and Miscellaneous Industrial Machinery
194	Carburetors, Pistons, Piston Rings, and Valves	3592		
195	Fluid Power Equipment	3593 3594		
196	Scales and Balances	3596		
197	Industrial and Commercial Machinery, n.e.c	3599		
198	Electronic Computers	3571	40	Computers
199	Computer Peripheral Equipment	3572 3575 3577		
200	Calculators and Accounting Machinery	3578	41	Other Office Equipment
201	Office Machines and Typewriters	3579		
202	Automatic Merchandising Equipment	3581	42	Service Industry Machinery
203	Commercial Laundry, Dry Cleaning, and Pressing Machinery	3582		
204	Air Conditioning, Heating, and Refrigeration Equipment	3585		
205	Measuring and Dispensing Pumps	3586		
206	Service Industry Machinery, n.e.c	3589		
207	Instruments to Measure Electricity	3825	57	Other Instruments
208	Transformers	3612	43	Electric Industrial Appliances and Distribution Equipment
209	Switchgear and Switchboard Apparatus	3613		
210	Motors and Generators	3621		
211	Relays and Industrial Controls	3625		
212	Welding and Soldering Equipment	3548	37	Metalworking Machinery
213	Electrical Industrial Apparatus	3624 3629	43	Electric Industrial Appliances and Distribution Equipment
214	Major Household Appliances	3631 3632 3633	44	Household Appliances
215	Other Household Appliances	3634 3635 3639		
216	Electric Lamps, Light Fixtures, and Wiring	3641 3643 3644 3645 3646 3647 3648	45	Electrical Equipment
217	Household Audio and Video Equipment	3651	46	TVs, VCRs, Radios, and Phonographs
218	Prerecorded Records and Tapes	3652		
219	Telephones, Switchboards, Modems, Faxes, etc.	3661	47	Communications Equipment
220	Radio and TV Broadcasting and Communication Equipment	3663 3669		
221	Electron Tubes	3671	48	Electronic Components
222	Semiconductors and Related Devices	3674		
223	Electronic Components, n.e.c.	3672 3675 3676 3677 3678 3679		
224	Storage Batteries	3691	45	Electrical Equipment
225	Primary Batteries, Dry and Wet	3692		
226	X-ray and Irradiation Apparatus	3844	55	Medical Instruments and Supplies
227	Electromedical and Electrotherapeutic Apparatus	3845		
228	Engine Electrical Equipment	3694	45	Electrical Equipment
229	Magnetic and Optical Recording Media	3695		
230	Electrical Machinery, Equipment and Supplies, n.e.c	3699		

National		SIC Classification	State Level	
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title
231	Truck and Bus Bodies	3713	49	Motor Vehicles
232	Truck Trailers	3715		
233	Motor Vehicles and Passenger Car Bodies	3711		
234	Motor Vehicle Parts and Accessories	3714	50	Motor Vehicle Parts
235	Aircraft	3721	51	Aerospace
236	Aircraft and Missile Engines, Propulsion Units and Parts	3724 3764		
237	Aircraft and Missile Parts and Auxiliary Equipment, n.e.c	3728 3769		
238	Shipbuilding and Repairing	3731	52	Ships and Boats
239	Boat Building and Repairing	3732		
240	Railroad Equipment	3740	53	Other Transportation Equipment
241	Motorcycles, Bicycles, and Parts	3750		
242	Travel Trailers and Campers	3792		
243	Mobile Homes	2451	29	Lumber
244	Motor Homes	3716	49	Motor Vehicles
245	Transportation Equipment, n.e.c.	3799	53	Other Transportation Equipment
246	Search and Navigation Equipment	3812	54	Search and Navigation Equipment
247	Laboratory Apparatus and Furniture	3821	57	Other Instruments
248	Measuring Devices and Environmental Control	3822 3823 3824 3829		
249	Surgical and Medical Instruments	3841	55	Medical Instruments and Supplies
250	Surgical Appliances and Supplies	3842		
251	Dental Equipment and Supplies	3843		
252	Watches, Clocks, Clockwork-Operated Devices, and Parts	3870	57	Other Instruments
253	Laboratory and Optical Instruments	3826 3827		
254	Ophthalmic Goods	3850	56	Ophthalmic Goods
255	Photographic Equipment and Supplies	3860	57	Other Instruments
256	Jewelry, Precious Metal, Silverware, and Plated Wares	3911 3914 3915	58	Miscellaneous Manufacturing
257	Musical Instruments	3930		
258	Games, Toys, and Play Vehicles	3942 3944		
259	Sport and Athletic Goods, n.e.c.	3949		
260	Pens, Pencils, and Other Office and Artists' Materials	3951 3952 3953 3955		
261	Costume Jewelry and Notions	3961 3965		
262	Manufacturing, n.e.c.	3991 3993 3995 3996 3999		
263	Railroads	4000 4740 pt. 4789	59	Railroads
264	Local and Suburban Passenger Transportation	4100	60	Trucking and Highway Passenger Transit
265	Trucking and Warehousing	4200 pt. 4789		

National		SIC Classification	State Level	
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title
266	Water Transportation	4400	61	Water Transportation
267	Airlines	4500	62	Air Transportation
268	Pipelines	4600	63	Pipeline
269	Transportation Services	4700	64	Transportation Services
270	Telephone and Telegraph	4800 -4830	65	Communications Services
271	Radio and TV Broadcasting	4830		
272	Electric Utilities	4910 pt 4930	66	Electric Utilities
273	Natural Gas	4920 pt 4930	67	Gas Utilities
274	Water, Sewer, Steam, and Irrigation Services	4940 4950 4960 4970 pt 4930	68	Water and Sanitation
275	Wholesale Trade	5000 5100	69	Wholesale Trade
276	Retail Trade	5200 5300 5400 5500 5600 5700 5900	70	Retail Trade
277	Eating and Drinking Places	5800 pt 7000	71	Restaurants and Bars
278	Banking	60	72	Finance and Insurance
279	Credit Agencies Other Than Banks	61 67 -6732		
280	Security and Commodity Brokers, Dealers, Exchanges, and Services	62		
281	Insurance Carriers	63		
282	Insurance Agents, Brokers, and Services	64		
283	Owner-Occupied Dwellings	No SIC	74	Owner-Occupied Housing
284	Real Estate	6500 6600 1531	73	Real Estate
285	Royalties	I-O sector, but no SIC		
286	Hotels, Rooming Houses, Camps, and Other Lodging Places	7000	75	Hotels
287	Personal and Repair Services	7200 7620 7630 7640	76	Personal and Repair Services
288	Personnel Supply Services	7360	80	Research Labs and Other Business Services
289	Computer and Data Processing Services	7370	78	Computer and Data Processing Services
290	Research Laboratories and Management Consulting	8731 8732 8734 8740	80	Research Labs and Other Business Services
291	Equipment Rental and Leasing Services	7350		
292	Advertising	7310	79	Advertising
293	Other Business Services	7320 7330 7340 7380 7390 7690	80	Research Labs and Other Business Services
294	Legal Services	8110	77	Professional Services
295	Engineering and Architectural Services	8710		
296	Other Professional Services, Including Accounting	8720 8900		
297	Auto Rental and Leasing	7510	81	Automobile Services
298	Auto Repair and Services	75 other		

National		SIC Classification	State Level	
ind #	Industry Title	Classification Code(s)	sec #	Industrial Sector Title
299	Motion Pictures	78, exc. 7840	82	Movies and Amusements
300	Video Tape Rental	7840		
301	Amusements and Recreation Services	7910 7920 7930 7941 7948 7990		
302	Private Hospitals	8060	83	Private Hospitals
303	Physicians, Excluding Dentists	8010 8030	84	Physicians
304	Dentists and Miscellaneous Medical Services	0740 8020 8041 8043 8048 8070 8080 8090	85	Other Medical Services
305	Nursing Homes	8050	86	Nursing Homes
306	Education and Libraries	82	87	Education and Nonprofit Organizations
307	Social Services	83		
308	Museums, Nonprofits, Research, and Private Education	84 8650 8690 8733 6732		
309	Membership Organizations	86		
310	United States Postal Service	4311	88	Federal, State, and Local Government Enterprises
311	Federal Government Enterprises	No SIC		
312	State and Local Government Enterprises	No SIC		
317	Government Industry Compensation	No SIC	93	Government Industry Compensation

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FEEDBACK FORM

1. Did this publication provide the information you needed to interpret the projections in which you were interested? If not, what other information did you need?

2. Did the projections for your industry or state seem to be reasonable?

3. Are there other published forecasts with which the projections for your industry or state can be compared?

4. What parts of the projections were most and least useful to you?

MOST

LEAST

_____	Projected direct defense purchases for an industry	_____
_____	Projected indirect defense purchases for an industry	_____
_____	Projected direct defense expenditures for a state	_____
_____	Projected indirect defense expenditures for a state	_____
_____	Projected geographic distribution of direct purchases	_____
_____	Projected geographic distribution of indirect purchases	_____

Other: _____

5. Comments on the format of the tables in this report:

OPTIONAL

Name

Title

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