

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

Calendar Years 2000 Through 2005



July 2000

REPORT DOCUMENTATION PAGE

Form Approved OMB No.
0704-0188

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1. REPORT DATE (DD-MM-YYYY) 01-07-2000	2. REPORT TYPE	3. DATES COVERED (FROM - TO) xx-xx-2000 to xx-xx-2000
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4. TITLE AND SUBTITLE Projected Defense Purchases: Detail by Industry and State Calendar Years 2000 Through 2005 Unclassified	5a. CONTRACT NUMBER
	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER

6. AUTHOR(S)	5d. PROJECT NUMBER
	5e. TASK NUMBER
	5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAME AND ADDRESS Economic and Manpower Analysis Division Office of the Director, Program Analysis and Evaluation Office of the Secretary of Defense, 1800 Defense Pentagon Washington, DC20301-1800	8. PERFORMING ORGANIZATION REPORT NUMBER
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9. SPONSORING/MONITORING AGENCY NAME AND ADDRESS Department of Defense	10. SPONSOR/MONITOR'S ACRONYM(S)
	11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT A PUBLIC RELEASE

13. SUPPLEMENTARY NOTES

14. ABSTRACT This report presents estimates of defense purchases during calendar years 2000 ? 2005 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 2000, 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, will be posted there as well.

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:	17. LIMITATION OF ABSTRACT Public Release	18. NUMBER OF PAGES 165	19. NAME OF RESPONSIBLE PERSON Fenster, Lynn lfenster@dtic.mil
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a. REPORT Unclassified	b. ABSTRACT Unclassified	c. THIS PAGE Unclassified	19b. TELEPHONE NUMBER International Area Code Area Code Telephone Number 703767-9007 DSN 427-9007
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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.ra.pae.osd.mil/depps>. A feedback form for comments is attached at the end of the report.

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DETAIL BY INDUSTRY AND STATE
Calendar Years 2000 Through 2005**

July 2000

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 2000 – 2005 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 2000, 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, will be posted there as well.²

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.³ 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

¹ Available at <http://www.ra.pae.osd.mil/depps>.

² Updated documentation is expected to be available on the web-site by October 2000.

³ 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 1999 is available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

controls. The second input-output model, called *Iliad* for 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.⁴

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.⁵ (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

⁴ 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.

⁵ 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.

all of the Defense Department's military programs and the national security programs administered by other federal departments, such as the Department of Energy. It *excludes* nonmilitary programs managed by the Department of Defense (for example, highway bridge inspection projects conducted by the Army Corps of Engineers).

The *DEPPS* 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 2001. A large proportion of defense purchases—49 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 45 percent of defense final purchases but about 64 percent of nondefense final purchases. Compared to last year's results, the 2001 projections depict a 3 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 38 percent of projected defense indirect purchases and for about 36 percent of projected nondefense indirect purchases. Services make up about 56 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 to last year's results.

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 2001. The composition of defense-related civilian employment (in 2001) 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 (18 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 (6 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 2001 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, when *LIFT* was changed to a 1987 base year input-output table, and the number of sectors increased from 85 to 97.⁶ 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. For example, this year the occupational matrix used in *LDEPPS* (the skilled labor model) has been updated with the Bureau of Labor and Statistics (BLS) 1998 – 2008 projections. In addition, industry-level employment data used in *LIFT* have been updated through 1998. These types of changes do not preclude comparisons because the essential framework of the model remains unchanged.

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 are based on a defense budget that is 5 percent higher than the 2000 budget.

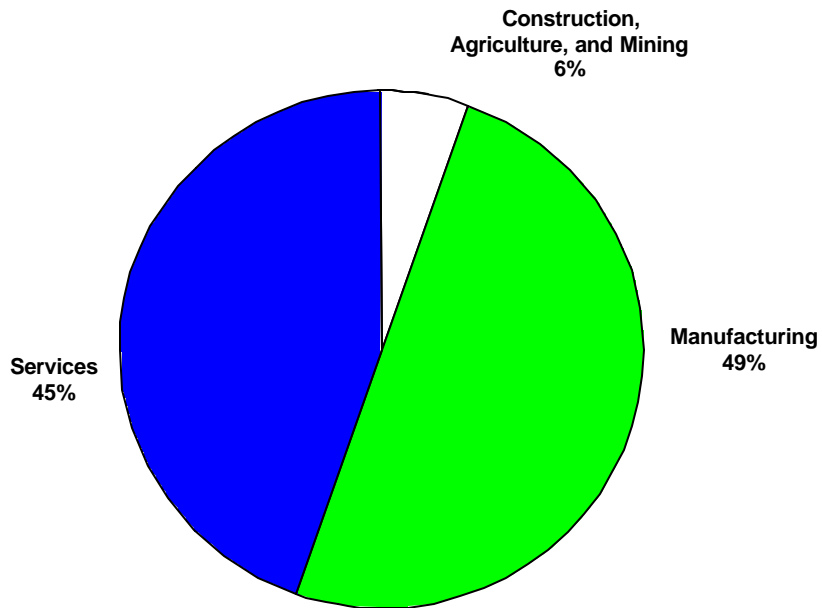
Finally, variability in the projections, and assumptions about the behavior of the economy as a whole and of specific sectors within the economy, also affect *DEPPS* outcomes. Many basic economic assumptions have been revised over the past year, in part due to the continued strong growth of the U.S. 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 2001 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.

⁶ 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 2001

Direct Defense Purchases



Direct Nondefense Purchases

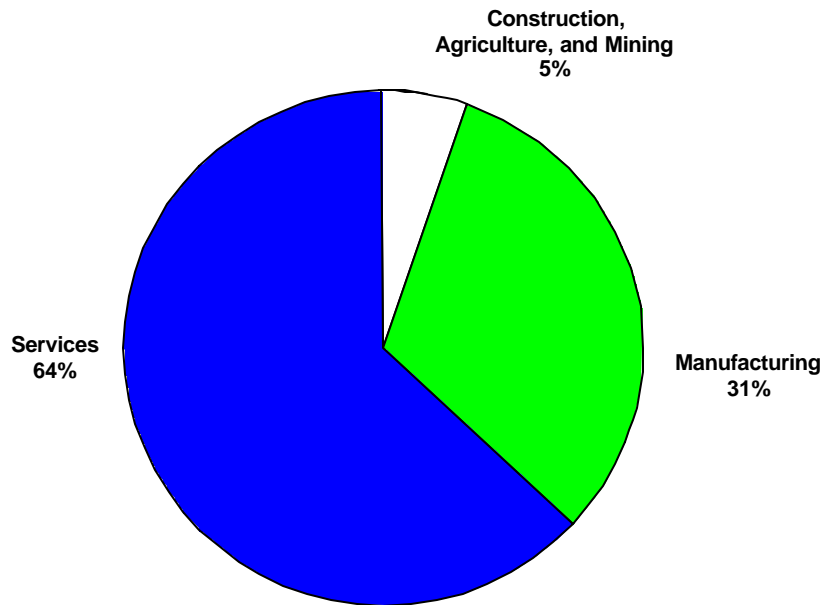
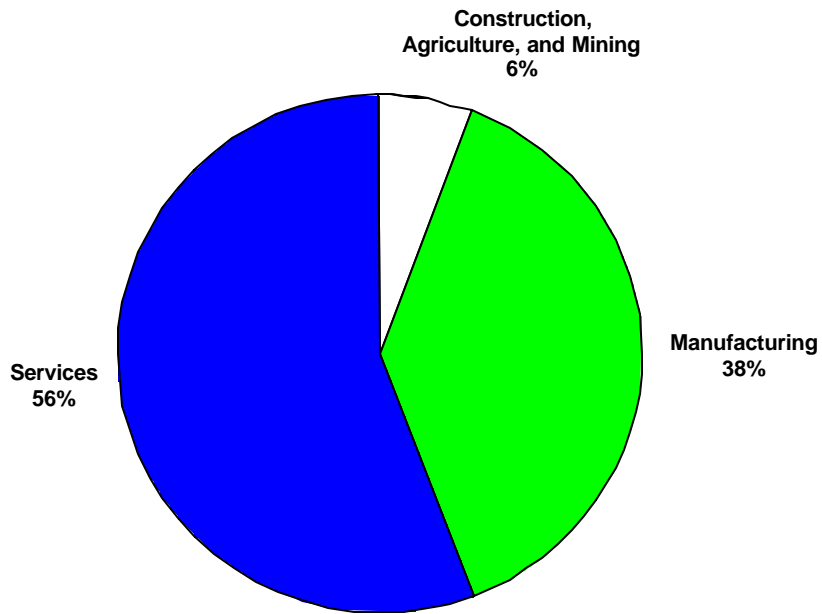


Figure 2.
Composition of Defense and Nondefense Purchases for 2001

Indirect Defense Purchases



Indirect Nondefense Purchases

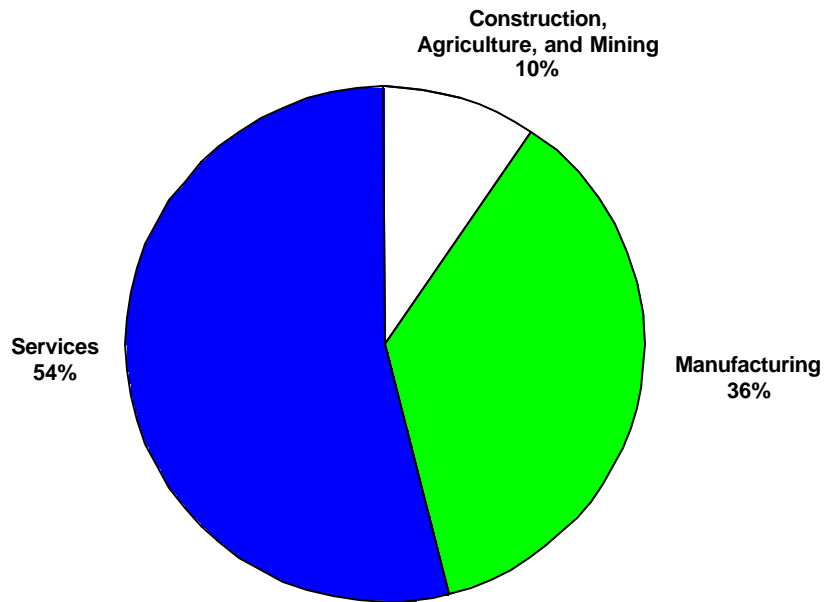
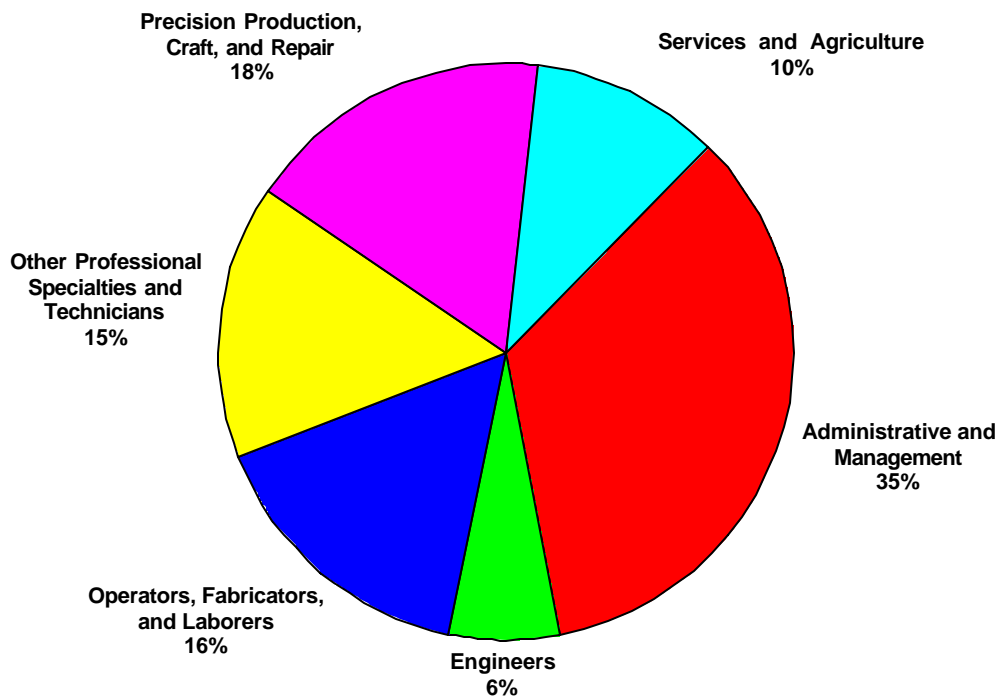


Figure 3.
Composition of Civilian Employment for 2001

Defense-Related Employment



Nondefense-Related Employment

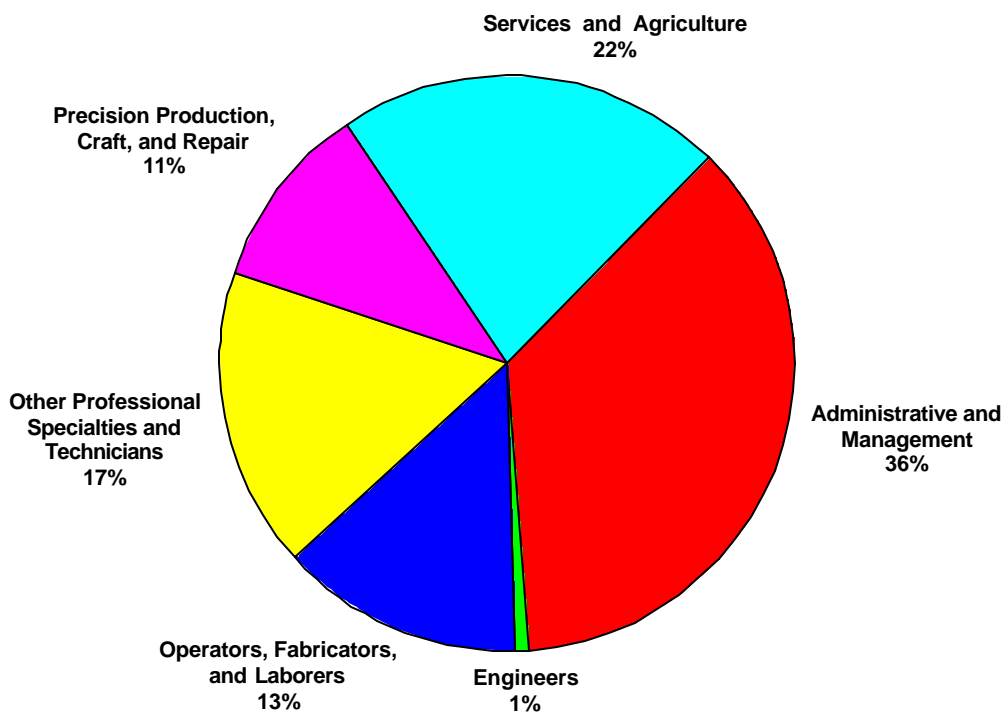


Table 1.
Estimated Defense Expenditures Per Capita, 2001
 (By region, in 2001 dollars)

Region	Direct			Indirect from Direct	
	Pay	Purchases	Total	Purchases	Total
New England	255 (171 - 630)	1027 (347 - 1237)	1282 (533 - 1594)	460 (273 - 511)	1742 (935 - 1928)
Mid-Atlantic	183 (118 - 242)	357 (282 - 523)	540 (400 - 764)	599 (452 - 874)	1139 (852 - 1472)
South Atlantic	838 (169 - 3005)	886 (98 - 3557)	1724 (267 - 6562)	622 (340 - 2835)	2345 (633 - 9397)
East North Central	180 (87 - 254)	251 (142 - 380)	430 (250 - 589)	471 (336 - 615)	901 (586 - 1148)
West North Central	284 (104 - 670)	584 (146 - 1247)	869 (355 - 1565)	418 (289 - 488)	1287 (644 - 2044)
East South Central	485 (228 - 724)	618 (436 - 830)	1102 (711 - 1540)	517 (408 - 607)	1619 (1119 - 2144)
West South Central	505 (339 - 838)	528 (129 - 615)	1033 (468 - 1207)	497 (378 - 530)	1530 (845 - 1714)
Mountain	547 (335 - 767)	552 (131 - 831)	1098 (466 - 1516)	427 (243 - 622)	1526 (756 - 2006)
Pacific	542 (189 - 2663)	732 (150 - 1398)	1274 (340 - 3839)	538 (424 - 2044)	1812 (763 - 5141)
United States	448 (87 - 3005)	593 (98 - 3557)	1041 (250 - 6562)	526 (243 - 2835)	1567 (586 - 9397)

Source: RDEPPS calculations

NOTES: The numbers in parentheses reflect the lower and upper bounds of the estimates for individual states in the regions.

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	75,656	75,141	75,349	75,321	76,384	78,859
Operations & Maintenance	108,011	108,106	104,666	104,383	104,582	104,443
Procurement						
Aircraft	17,660	18,925	20,071	21,609	22,151	22,466
Missiles	3,091	3,181	3,441	3,576	3,883	3,962
Weapons and Tracked Vehicles	1,466	1,150	1,217	1,416	1,555	1,519
Shipbuilding and Conversion	6,905	6,947	7,150	8,066	8,395	8,536
Ammunition	296	254	270	290	307	317
Other	19,820	21,063	22,365	23,820	24,455	24,883
Total Procurement	49,238	51,520	54,513	58,777	60,747	61,684
RDT&E	37,944	37,489	36,720	35,887	34,869	33,900
Military Construction	4,880	4,857	4,355	3,905	3,843	4,038
Family Housing	3,760	3,596	3,646	3,710	3,680	3,704
Defense-Wide Contingencies	2,634	-3,337	84	34	752	2,950
Revolving and Management Funds	2,389	1,565	1,018	776	591	483
Trusts and Receipts	-1,069	-1,154	-1,131	-1,060	-961	-958
Deductions, Intragovernment Receipts	-103	-70	-115	-113	-111	-110
Total Direct Defense Purchases	283,338	277,714	279,105	281,619	284,375	288,994

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	10,704	10,537	10,742	10,607	11,144	12,688
Operations & Maintenance ^a	66,312	59,886	61,791	62,183	63,738	66,493
Procurement						
Aircraft	15,524	16,605	17,669	18,926	19,426	19,846
Missiles	2,991	3,085	3,379	3,541	3,832	3,901
Weapons and Tracked Vehicles	1,881	1,476	1,563	1,830	2,016	1,971
Shipbuilding and Conversion	4,727	4,727	4,847	5,494	5,690	5,736
Ammunition	254	219	233	252	267	277
Other	19,607	20,976	22,369	24,044	24,906	25,515
Total Procurement	44,985	47,087	50,059	54,086	56,138	57,247
RDT&E	36,271	36,272	35,816	35,242	34,501	33,755
Military Construction	2,672	2,574	2,274	1,985	1,945	2,099
Family Housing	1,499	1,445	1,482	1,511	1,493	1,511
Total Indirect Defense Purchases	162,443	157,801	162,165	165,614	168,959	173,793

^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 2001. 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 2001
(In millions of 2001 dollars)

Ind #	Supplying Industry	2000	2001	2002	2003	2004	2005
237	Aircraft and Missile Parts and Auxiliary Equipment, n.e.c.	12,165	12,698	13,108	14,040	14,757	14,981
235	Aircraft	8,156	8,771	9,182	9,471	9,462	9,658
238	Shipbuilding and Repairing	8,249	8,644	9,009	10,044	10,410	10,634
236	Aircraft and Missile Engines, Propulsion Units and Parts	7,591	7,584	7,568	7,528	7,579	7,638
220	Radio and TV Broadcasting and Communication Equipment	6,753	6,932	7,038	7,212	7,368	7,365
110	Petroleum Refining, Except Fuel Oil	7,245	5,500	6,137	6,038	6,269	6,935
21	Guided Missiles and Space Vehicles	4,598	4,705	4,987	5,212	5,115	5,119
246	Search and Navigation Equipment	4,438	4,408	4,469	4,683	4,731	4,671
223	Electronic Components, n.e.c.	3,489	3,559	3,589	3,700	3,740	3,758
118	Miscellaneous Plastic Products	3,433	3,396	3,502	3,612	3,689	3,785
22	Ammunition, Except Small Arms	3,288	3,331	3,501	3,590	3,589	3,552
222	Semiconductors and Related Devices	2,622	2,718	2,859	3,033	3,187	3,323
198	Electronic Computers	2,626	2,535	2,520	2,566	2,606	2,638
111	Fuel Oil	3,284	2,383	2,698	2,632	2,739	3,072
133	Steel Mills, Blast Furnaces, and Rolling and Finishing Mills	2,091	2,043	2,060	2,106	2,107	2,107
95	Industrial Inorganic Chemicals	1,796	1,808	1,815	1,838	1,828	1,842
221	Electron Tubes	1,806	1,794	1,771	1,730	1,721	1,691
233	Motor Vehicles and Passenger Car Bodies	1,719	1,638	1,779	1,998	2,079	2,074
90	Commercial Printing	1,691	1,633	1,674	1,703	1,731	1,773
96	Industrial Organic Chemicals	1,675	1,623	1,655	1,680	1,696	1,724
248	Measuring Devices and Environmental Controls	1,444	1,461	1,509	1,549	1,561	1,584
174	Industrial Trucks, Tractors, Trailers, and Stackers	1,386	1,431	1,453	1,421	1,420	1,449
142	Other Nonferrous Rolling and Drawing Products, and Nonferrous Wire	1,397	1,402	1,410	1,429	1,447	1,472
249	Surgical and Medical Instruments	1,262	1,258	1,278	1,296	1,294	1,321
59	Apparel	1,203	1,215	1,254	1,255	1,292	1,410
123	Glass and Glass Products, n.e.c.	1,167	1,155	1,148	1,133	1,131	1,121
159	Metal Plating, Polishing, and Coating	1,047	1,064	1,086	1,125	1,149	1,166
210	Motors and Generators	1,074	1,063	1,040	1,021	1,015	1,040
102	Plastics Materials and Resins	1,065	1,047	1,069	1,094	1,109	1,131
234	Motor Vehicle Parts and Accessories	1,110	1,014	1,087	1,171	1,209	1,227
164	Fabricated Metal Products, n.e.c.	953	967	988	1,030	1,037	1,061
151	Fabricated Plate Work (Boiler Shops)	863	903	862	886	891	871
163	Pipes, Valves, and Pipe Fittings	906	900	935	982	1,009	1,052
141	Aluminum Rolling and Drawing Products	884	867	890	917	927	937
26	Other Ordnance and Accessories	788	837	817	875	880	894

Source: IDEPPS Calculations

Table 3. (continued)
Projected Defense Purchases from 50 Non-Food/Tobacco Manufacturing Industries Leading in Defense Production in 2001
(In millions of 2001 dollars)

Ind #	Supplying Industry	2000	2001	2002	2003	2004	2005
216	Electric Lamps, Light Fixtures, and Wiring	889	836	823	802	807	853
78	Paper Mills, Including Building Paper	860	829	841	849	856	869
199	Computer Peripheral Equipment	840	821	813	830	844	854
253	Laboratory and Optical Instruments	730	773	789	831	837	842
197	Industrial and Commercial Machinery, n.e.c.	761	759	783	806	823	841
177	Special Dies, Jigs, Molds, and Cutting Tools	714	721	742	757	760	772
86	Newspaper Publishing and Printing	741	704	701	694	684	678
81	Paperboard Containers and Boxes	738	704	721	732	743	764
153	Screw Machine Products, Bolts and Nuts	661	662	685	709	722	735
156	Metal Stampings, n.e.c.	652	656	664	674	681	688
230	Electrical Machinery, Equipment, and Supplies, n.e.c.	652	641	617	622	613	605
53	Broadwoven Fabric Mills	639	601	627	628	645	697
87	Periodical Publishing and Printing	582	575	592	608	621	638
211	Relays and Industrial Controls	564	558	564	577	583	589
145	Nonferrous Castings and Forgings	536	542	550	559	567	574

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

Occupational Category	2000	2001	2002	2003	2004	2005
Managerial and Administrative	169	162	160	157	156	155
Management Support	188	185	184	183	181	180
Engineers	180	178	178	177	175	174
Scientists	182	175	170	165	161	156
Other Professional Specialties	156	152	149	146	144	141
Technicians and Related Support	119	115	113	111	109	107
Marketing and Sales	142	135	134	132	131	130
Administrative Support (including clerical)	518	506	504	501	501	501
Service	281	275	274	270	273	274
Agriculture, Forestry, Fishing, and Related	28	26	26	25	26	27
Precision Production, Craft, and Repair	515	506	502	498	499	498
Operators, Fabricators, and Laborers	469	451	449	442	440	439
Total All Categories	2,946	2,864	2,841	2,808	2,798	2,782

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	2000	2001	2002	2003	2004	2005
Engineers						
Aeronautical and astronautical engineers	16	16	16	16	16	16
Chemical engineers	3	3	3	3	3	3
Civil engineers, including traffic engineers	22	22	22	22	22	22
Electrical and electronics engineers	68	68	67	66	66	65
Industrial engineers, except safety engineers	12	12	12	12	12	12
Mechanical engineers	33	33	33	33	33	32
Metallurgists and metallurgical, ceramic, and materials engineers	1	1	1	1	1	1
All other engineers	25	24	24	24	23	23
Total Engineers	180	178	178	177	175	174
Scientists						
Architects and surveyors	5	5	5	5	5	5
Life scientists	2	2	2	2	2	2
Computer systems analysts, engineers, and scientists	142	136	131	127	122	118
Mathematicians and other mathematical scientists	4	4	4	4	4	4
Operations research analysts	9	9	9	9	9	9
Chemists	5	5	5	5	5	5
Geologists, geophysicists, and oceanographers	2	2	2	2	2	2
Physicists and astronomers	1	0	1	1	1	1
All other physical scientists	6	6	6	6	6	6
Social scientists	6	6	6	6	5	5
Total Scientists	182	175	170	165	161	156
Total Engineers and Scientists	361	353	347	342	336	330

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 2001 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	6,982	6,852	6,808	6,799	6,816	6,879
Alaska	2,068	1,966	1,982	1,979	2,013	2,071
Arizona	5,942	5,983	6,019	6,116	6,164	6,208
Arkansas	1,250	1,216	1,214	1,211	1,219	1,240
California	40,829	40,325	40,517	40,931	41,235	41,668
Colorado	6,361	6,299	6,262	6,235	6,233	6,237
Connecticut	4,732	4,772	4,892	5,169	5,257	5,334
Delaware	1,163	1,175	1,176	1,186	1,185	1,200
District of Columbia	3,603	3,447	3,428	3,406	3,427	3,495
Florida	16,511	16,438	16,427	16,557	16,652	16,741
Georgia	11,443	11,333	11,292	11,299	11,327	11,415
Hawaii	4,776	4,659	4,628	4,610	4,654	4,761
Idaho	616	601	597	594	597	605
Illinois	5,136	5,022	5,020	5,005	5,038	5,142
Indiana	3,384	3,299	3,338	3,368	3,421	3,471
Iowa	1,022	1,032	1,044	1,064	1,077	1,085
Kansas	2,438	2,406	2,415	2,430	2,459	2,504
Kentucky	3,950	3,880	3,869	3,870	3,918	4,017
Louisiana	3,820	3,666	3,748	3,851	3,935	4,074
Maine	2,002	2,025	2,061	2,177	2,227	2,272
Maryland	12,362	12,091	12,126	12,211	12,315	12,505
Massachusetts	8,421	8,414	8,470	8,585	8,643	8,668
Michigan	2,558	2,498	2,511	2,522	2,537	2,568
Minnesota	2,229	2,186	2,219	2,244	2,252	2,270
Mississippi	3,846	3,896	3,950	4,150	4,241	4,325
Missouri	8,514	8,698	8,939	9,249	9,399	9,541
Montana	454	440	439	438	442	449
Nebraska	1,306	1,260	1,263	1,261	1,271	1,293
Nevada	1,200	1,188	1,176	1,174	1,178	1,187
New Hampshire	1,000	990	986	987	988	988
New Jersey	6,503	6,316	6,356	6,417	6,499	6,613
New Mexico	2,431	2,394	2,368	2,365	2,375	2,391
New York	7,553	7,354	7,417	7,476	7,563	7,706
North Carolina	8,071	7,869	7,862	7,838	7,922	8,152
North Dakota	640	629	625	625	632	645
Ohio	7,003	6,707	6,728	6,719	6,754	6,860
Oklahoma	4,259	4,122	4,116	4,111	4,148	4,229
Oregon	1,179	1,152	1,159	1,172	1,176	1,186
Pennsylvania	7,547	7,260	7,234	7,198	7,219	7,316
Rhode Island	1,028	1,016	999	997	998	1,004
South Carolina	4,246	4,196	4,191	4,209	4,242	4,303
South Dakota	394	385	383	382	385	390
Tennessee	4,070	3,982	3,980	3,958	4,001	4,126
Texas	23,961	22,987	23,397	23,636	23,945	24,456
Utah	1,981	1,941	1,916	1,911	1,915	1,928
Vermont	324	322	321	324	324	324
Virginia	30,888	30,198	30,142	30,317	30,557	31,006
Washington	9,495	9,220	9,260	9,289	9,372	9,515
West Virginia	501	488	482	478	479	484
Wisconsin	1,937	1,853	1,906	1,945	1,974	2,015
Wyoming	513	484	491	487	497	524
U.S. Total	294,441	288,933	290,147	292,530	295,099	299,384

Source: RDEPPS calculations

Table 7.
Projections of Total Direct Procurement and RDT&E Expenditures, by State
(Rounded to millions of 2001 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	1,993	1,988	1,996	2,014	1,998	1,970
Alaska	147	151	158	167	178	177
Arizona	2,389	2,472	2,554	2,658	2,687	2,703
Arkansas	80	81	85	90	92	92
California	15,859	16,198	16,548	17,077	17,209	17,197
Colorado	2,418	2,435	2,433	2,417	2,391	2,344
Connecticut	3,277	3,363	3,500	3,792	3,873	3,918
Delaware	667	689	692	704	698	702
District of Columbia	429	425	419	412	402	393
Florida	5,224	5,312	5,420	5,582	5,622	5,592
Georgia	3,965	4,015	4,037	4,078	4,059	4,016
Hawaii	184	182	182	183	185	183
Idaho	32	32	32	32	32	32
Illinois	1,079	1,110	1,141	1,166	1,173	1,178
Indiana	993	1,028	1,073	1,112	1,144	1,148
Iowa	506	526	547	572	584	585
Kansas	399	418	438	460	471	479
Kentucky	178	184	191	199	202	203
Louisiana	873	922	972	1,098	1,147	1,180
Maine	805	850	898	1,018	1,065	1,095
Maryland	3,454	3,534	3,626	3,753	3,777	3,762
Massachusetts	5,259	5,344	5,432	5,556	5,587	5,551
Michigan	850	868	901	931	942	943
Minnesota	1,049	1,081	1,109	1,142	1,140	1,129
Mississippi	1,418	1,497	1,581	1,787	1,867	1,920
Missouri	5,661	5,923	6,194	6,524	6,661	6,756
Montana	19	18	19	20	20	20
Nebraska	132	134	136	139	139	138
Nevada	30	31	31	32	33	33
New Hampshire	410	414	418	420	419	413
New Jersey	1,987	2,015	2,079	2,177	2,221	2,209
New Mexico	549	549	546	552	553	547
New York	2,401	2,441	2,507	2,599	2,628	2,618
North Carolina	571	570	573	585	581	576
North Dakota	20	20	20	21	22	22
Ohio	1,845	1,869	1,897	1,934	1,934	1,922
Oklahoma	354	365	379	396	405	410
Oregon	227	222	239	262	271	270
Pennsylvania	1,538	1,565	1,591	1,610	1,611	1,599
Rhode Island	167	167	167	169	168	166
South Carolina	505	526	550	581	590	595
South Dakota	11	11	11	11	12	12
Tennessee	531	527	520	513	501	490
Texas	6,603	6,704	6,966	7,316	7,436	7,438
Utah	358	360	365	372	372	369
Vermont	131	132	134	138	138	136
Virginia	6,267	6,354	6,457	6,701	6,739	6,727
Washington	2,561	2,605	2,644	2,715	2,742	2,727
West Virginia	33	32	32	31	31	30
Wisconsin	730	733	777	828	848	851
Wyoming	15	15	16	16	16	16
U.S. Total	87,182	89,010	91,233	94,663	95,616	95,585

Source: RDEPPS calculations

Table 8.
Projections of Total Direct Expenditures Excluding Procurement and RDT&E, by State
(Rounded to millions of 2001 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	4,989	4,864	4,812	4,784	4,818	4,910
Alaska	1,921	1,815	1,824	1,812	1,835	1,893
Arizona	3,553	3,512	3,464	3,458	3,476	3,505
Arkansas	1,170	1,135	1,129	1,121	1,128	1,148
California	24,970	24,127	23,969	23,854	24,027	24,471
Colorado	3,943	3,864	3,829	3,818	3,842	3,893
Connecticut	1,455	1,409	1,392	1,377	1,384	1,415
Delaware	496	486	484	482	487	499
District of Columbia	3,175	3,022	3,009	2,994	3,025	3,102
Florida	11,287	11,125	11,007	10,975	11,030	11,149
Georgia	7,478	7,318	7,255	7,220	7,268	7,399
Hawaii	4,593	4,477	4,446	4,426	4,470	4,578
Idaho	583	569	565	562	565	574
Illinois	4,057	3,911	3,879	3,839	3,866	3,964
Indiana	2,391	2,271	2,265	2,256	2,277	2,323
Iowa	516	506	497	492	494	500
Kansas	2,039	1,988	1,977	1,970	1,988	2,024
Kentucky	3,772	3,696	3,677	3,671	3,716	3,814
Louisiana	2,947	2,744	2,776	2,752	2,788	2,894
Maine	1,198	1,176	1,162	1,159	1,162	1,177
Maryland	8,908	8,557	8,500	8,458	8,538	8,743
Massachusetts	3,161	3,070	3,038	3,029	3,056	3,117
Michigan	1,708	1,630	1,609	1,591	1,596	1,625
Minnesota	1,180	1,105	1,110	1,102	1,112	1,140
Mississippi	2,429	2,399	2,369	2,363	2,374	2,405
Missouri	2,853	2,774	2,746	2,725	2,739	2,785
Montana	436	422	421	418	421	429
Nebraska	1,175	1,126	1,127	1,122	1,132	1,155
Nevada	1,169	1,158	1,144	1,141	1,145	1,154
New Hampshire	590	577	569	567	569	575
New Jersey	4,516	4,301	4,277	4,240	4,278	4,404
New Mexico	1,882	1,845	1,821	1,813	1,822	1,845
New York	5,152	4,913	4,910	4,877	4,935	5,088
North Carolina	7,500	7,298	7,289	7,253	7,341	7,576
North Dakota	620	609	605	604	610	623
Ohio	5,158	4,838	4,831	4,785	4,820	4,938
Oklahoma	3,905	3,757	3,737	3,714	3,743	3,819
Oregon	952	930	920	910	905	916
Pennsylvania	6,009	5,695	5,643	5,587	5,608	5,717
Rhode Island	861	848	832	828	830	838
South Carolina	3,741	3,669	3,641	3,628	3,652	3,708
South Dakota	383	375	372	370	373	378
Tennessee	3,539	3,455	3,460	3,445	3,499	3,636
Texas	17,358	16,283	16,431	16,320	16,510	17,018
Utah	1,623	1,581	1,551	1,539	1,543	1,559
Vermont	193	190	187	186	186	187
Virginia	24,621	23,844	23,685	23,616	23,818	24,278
Washington	6,934	6,615	6,616	6,574	6,630	6,788
West Virginia	468	456	450	446	448	454
Wisconsin	1,207	1,120	1,129	1,117	1,127	1,164
Wyoming	498	468	475	471	481	508
U.S. Total	207,259	199,924	198,914	197,866	199,483	203,799

Source: RDEPPS calculations

Table 9.
Projections of Indirect Defense Purchases Resulting from Direct Purchases, by State
(Rounded to millions of 2001 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	2,750	2,687	2,748	2,806	2,862	2,936
Alaska	1,348	1,298	1,296	1,319	1,382	1,428
Arizona	1,946	1,924	1,973	2,025	2,069	2,121
Arkansas	1,017	982	1,012	1,036	1,058	1,092
California	17,252	16,817	17,256	17,590	17,921	18,415
Colorado	2,051	2,039	2,109	2,182	2,244	2,303
Connecticut	1,656	1,630	1,663	1,698	1,725	1,756
Delaware	379	366	376	384	393	406
District of Columbia	1,515	1,489	1,511	1,533	1,557	1,592
Florida	5,356	5,267	5,413	5,549	5,692	5,861
Georgia	4,305	4,182	4,326	4,422	4,503	4,647
Hawaii	970	950	968	987	1,010	1,039
Idaho	443	429	442	454	466	481
Illinois	5,079	4,893	5,023	5,117	5,212	5,362
Indiana	3,404	3,317	3,410	3,514	3,587	3,671
Iowa	874	841	867	885	902	929
Kansas	1,260	1,213	1,256	1,284	1,314	1,356
Kentucky	2,509	2,441	2,509	2,568	2,625	2,701
Louisiana	1,972	1,810	1,888	1,908	1,953	2,049
Maine	357	347	355	362	369	379
Maryland	4,150	4,081	4,162	4,256	4,363	4,485
Massachusetts	3,242	3,199	3,268	3,336	3,391	3,458
Michigan	3,428	3,350	3,451	3,555	3,629	3,717
Minnesota	1,969	1,906	1,959	2,001	2,039	2,095
Mississippi	1,357	1,307	1,345	1,373	1,404	1,451
Missouri	2,717	2,661	2,745	2,803	2,839	2,903
Montana	256	241	250	254	260	270
Nebraska	850	826	847	864	881	904
Nevada	465	454	467	479	491	507
New Hampshire	502	493	505	518	529	543
New Jersey	4,464	4,341	4,470	4,573	4,663	4,791
New Mexico	1,013	975	996	1,013	1,034	1,062
New York	8,550	8,314	8,498	8,648	8,768	8,945
North Carolina	3,512	3,434	3,534	3,620	3,703	3,827
North Dakota	306	297	305	312	319	329
Ohio	6,539	6,363	6,536	6,684	6,790	6,946
Oklahoma	1,810	1,732	1,790	1,826	1,869	1,935
Oregon	1,472	1,437	1,512	1,547	1,546	1,590
Pennsylvania	10,872	10,597	10,896	11,101	11,269	11,581
Rhode Island	385	379	386	394	401	409
South Carolina	2,388	2,334	2,392	2,444	2,497	2,575
South Dakota	253	246	254	260	266	274
Tennessee	2,348	2,286	2,347	2,399	2,446	2,513
Texas	11,319	10,880	11,242	11,483	11,778	12,192
Utah	1,190	1,153	1,186	1,210	1,237	1,276
Vermont	247	242	249	255	261	268
Virginia	9,756	9,639	9,822	10,020	10,205	10,454
Washington	3,788	3,715	3,816	3,905	3,993	4,103
West Virginia	690	667	684	697	710	728
Wisconsin	3,372	3,281	3,363	3,434	3,497	3,591
Wyoming	352	306	323	322	329	348
U.S. Total	150,005	146,059	150,005	153,209	156,252	160,594

Source: RDEPPS calculations

Table 10.
Projections of Indirect Defense Purchases Resulting from Direct Pay, by State
(Rounded to millions of 2001 dollars)

State	2000	2001	2002	2003	2004	2005
Alabama	1,241	1,216	1,194	1,184	1,184	1,192
Alaska	328	320	314	312	313	315
Arizona	1,380	1,361	1,346	1,338	1,342	1,357
Arkansas	561	550	540	533	531	533
California	8,355	8,217	8,102	8,030	8,037	8,107
Colorado	1,454	1,428	1,408	1,398	1,402	1,419
Connecticut	806	795	783	772	770	774
Delaware	226	223	219	216	216	217
District of Columbia	562	550	542	537	536	540
Florida	5,031	4,961	4,911	4,882	4,897	4,950
Georgia	2,603	2,567	2,539	2,531	2,546	2,578
Hawaii	1,048	1,026	1,012	1,009	1,014	1,024
Idaho	293	289	286	284	285	288
Illinois	2,836	2,797	2,762	2,729	2,726	2,746
Indiana	1,256	1,242	1,232	1,223	1,226	1,240
Iowa	625	618	613	607	607	612
Kansas	732	719	709	702	702	706
Kentucky	1,046	1,025	1,008	998	997	1,004
Louisiana	1,039	1,022	1,009	998	998	1,006
Maine	379	373	368	365	365	368
Maryland	1,840	1,809	1,783	1,772	1,778	1,796
Massachusetts	1,557	1,534	1,513	1,491	1,485	1,492
Michigan	1,815	1,784	1,755	1,725	1,714	1,720
Minnesota	1,159	1,155	1,157	1,156	1,166	1,189
Mississippi	649	635	623	616	616	619
Missouri	1,435	1,415	1,401	1,390	1,392	1,404
Montana	245	240	237	234	233	234
Nebraska	485	476	468	463	463	466
Nevada	1,360	1,343	1,354	1,358	1,366	1,382
New Hampshire	302	297	294	291	291	293
New Jersey	2,055	2,023	2,001	1,980	1,978	1,992
New Mexico	603	592	585	584	586	592
New York	4,006	3,949	3,890	3,823	3,804	3,821
North Carolina	2,302	2,268	2,243	2,234	2,246	2,274
North Dakota	236	232	230	228	229	231
Ohio	2,534	2,490	2,450	2,417	2,407	2,418
Oklahoma	1,083	1,063	1,046	1,038	1,041	1,050
Oregon	753	742	734	726	725	730
Pennsylvania	2,817	2,776	2,740	2,706	2,702	2,721
Rhode Island	298	292	287	284	284	286
South Carolina	1,188	1,167	1,150	1,142	1,145	1,155
South Dakota	218	215	213	211	212	214
Tennessee	1,236	1,219	1,203	1,193	1,194	1,205
Texas	5,416	5,324	5,248	5,208	5,223	5,275
Utah	599	588	579	573	572	576
Vermont	161	159	158	157	157	159
Virginia	3,950	3,868	3,798	3,779	3,791	3,824
Washington	1,958	1,923	1,893	1,880	1,884	1,900
West Virginia	364	358	354	350	349	352
Wisconsin	1,136	1,125	1,116	1,106	1,107	1,119
Wyoming	161	158	157	156	156	158
U.S. Total	75,723	74,521	73,556	72,920	72,991	73,623

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 2000 to 2005. 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 2001.

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	9,868	10,349	10,675	11,518	12,184	12,369
Indirect Purchases	2,297	2,349	2,433	2,522	2,573	2,612
Total	12,165	12,698	13,108	14,040	14,757	14,981

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	397	397	393	389	391	394
Aircraft Parts	509	524	543	577	613	629
Ammunition	1	1	1	1	1	1
Communication Equipment	2	2	3	3	3	3
Missiles	611	638	679	721	703	702
Motor Vehicles	1	1	1	1	1	1
Shipbuilding and Conversion	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	2	2	2	2	2	2
Other Ordnance	0	0	0	0	0	0
Other	773	784	812	828	858	879
Total	2,297	2,349	2,433	2,522	2,573	2,612

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	33	33	33	33	35	39
Operations & Maintenance ^a	2,583	2,630	2,579	2,601	2,661	2,685
Procurement						
Aircraft	6,216	6,599	6,935	7,745	8,314	8,467
Missiles	511	527	593	628	708	716
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	7	7	8	9	11	9
Ammunition	0	0	0	0	0	0
Other	1,582	1,677	1,758	1,841	1,879	1,948
Total Procurement	8,315	8,811	9,293	10,223	10,912	11,140
RDT&E	1,209	1,199	1,179	1,160	1,128	1,095
Military Construction	12	12	10	9	7	7
Family Housing	13	13	14	15	15	15
Total	12,165	12,698	13,108	14,040	14,757	14,981

^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**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	8,085	8,697	9,106	9,390	9,377	9,571
Indirect Purchases	71	74	76	81	85	87
Total	8,156	8,771	9,182	9,471	9,462	9,658

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	2	2	2	2	2	2
Aircraft Parts	57	59	61	66	70	71
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	3	3	3	4	3	3
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	9	9	10	10	10	10
Total	71	74	76	81	85	87

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

**Sources of Projected Defense Purchases of
Aircraft**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	0	0	0	0	0	0
Operations & Maintenance ^a	371	391	380	386	396	398
Procurement						
Aircraft	6,758	7,372	7,814	8,102	8,101	8,322
Missiles	3	3	3	3	4	4
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0
Other	67	72	73	80	91	95
Total Procurement	6,828	7,447	7,890	8,186	8,196	8,421
RDT&E	957	932	911	899	869	839
Military Construction	0	0	0	0	0	0
Family Housing	0	0	0	0	0	0
Total	8,156	8,771	9,182	9,471	9,462	9,658

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	8,185	8,580	8,946	9,979	10,343	10,565
Indirect Purchases	64	64	62	65	66	69
Total	8,249	8,644	9,009	10,044	10,410	10,634

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 and Conversion	22	22	20	23	24	24
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	42	41	41	41	42	45
Total	64	64	62	65	66	69

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

**Sources of Projected Defense Purchases of
Shipbuilding and Repairing**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	16	16	16	16	17	19
Operations & Maintenance ^a	1,210	1,260	1,235	1,251	1,245	1,231
Procurement						
Aircraft	230	441	548	758	734	641
Missiles	30	34	31	31	30	30
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	6,023	6,194	6,496	7,298	7,724	8,080
Ammunition	0	0	0	0	0	0
Other	1	1	1	1	1	1
Total Procurement	6,283	6,669	7,074	8,088	8,488	8,751
RDT&E	736	696	681	686	657	630
Military Construction	1	1	1	1	1	2
Family Housing	2	2	2	2	2	2
Total	8,249	8,644	9,009	10,044	10,410	10,634

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	4,870	4,827	4,750	4,658	4,650	4,650
Indirect Purchases	2,721	2,757	2,818	2,870	2,929	2,988
Total	7,591	7,584	7,568	7,528	7,579	7,638
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	927	918	901	884	883	883
Aircraft Parts	110	116	122	133	143	147
Ammunition	3	3	4	4	4	4
Communication Equipment	12	12	13	14	15	15
Missiles	303	317	339	362	354	355
Motor Vehicles	3	3	3	4	4	4
Shipbuilding and Conversion	3	3	3	3	4	4
Tanks	1	1	1	1	1	1
Other Electronic Equipment	10	10	10	11	11	11
Other Ordnance	0	0	0	0	0	0
Other	1,351	1,373	1,421	1,454	1,511	1,563
Total	2,721	2,757	2,818	2,870	2,929	2,988

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	125	125	130	130	137	155
Operations & Maintenance ^a	885	890	882	892	910	924
Procurement						
Aircraft	1,573	1,564	1,580	1,598	1,661	1,767
Missiles	208	208	253	278	316	327
Weapons and Tracked Vehicles	2	1	1	2	2	2
Shipbuilding and Conversion	3	3	3	4	4	4
Ammunition	0	0	0	0	0	0
Other	272	287	312	338	366	390
Total Procurement	2,058	2,063	2,149	2,220	2,349	2,491
RDT&E	4,518	4,501	4,401	4,282	4,179	4,064
Military Construction	3	3	3	3	3	3
Family Housing	2	2	2	2	2	2
Total	7,591	7,584	7,568	7,528	7,579	7,638

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	6,011	6,152	6,226	6,368	6,519	6,504
Indirect Purchases	743	780	812	844	849	861
Total	6,753	6,932	7,038	7,212	7,368	7,365
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	2	2	2	3	3	3
Ammunition	0	0	0	0	0	0
Communication Equipment	467	494	510	525	530	538
Missiles	165	173	185	197	193	193
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	9	9	10	11	12	12
Tanks	0	0	0	0	0	0
Other Electronic Equipment	6	6	6	7	7	7
Other Ordnance	0	0	0	0	0	0
Other	93	95	98	101	104	107
Total	743	780	812	844	849	861

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	1	1	1	0	1	1
Operations & Maintenance ^a	1,851	1,862	1,814	1,834	1,855	1,856
Procurement						
Aircraft	497	519	547	563	541	547
Missiles	100	102	106	108	113	116
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	18	16	17	21	20	19
Ammunition	0	0	0	0	0	0
Other	2,811	2,958	3,111	3,286	3,477	3,505
Total Procurement	3,427	3,596	3,782	3,979	4,151	4,188
RDT&E	1,451	1,449	1,418	1,377	1,340	1,299
Military Construction	13	12	11	9	8	8
Family Housing	12	12	12	13	13	13
Total	6,753	6,932	7,038	7,212	7,368	7,365

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,777	1,861	2,187	2,122	2,224	2,541
Indirect Purchases	4,468	3,639	3,950	3,916	4,044	4,394
Total	7,245	5,500	6,137	6,038	6,269	6,935
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	30	30	30	30	30	30
Aircraft Parts	52	55	57	62	65	67
Ammunition	32	33	34	35	35	35
Communication Equipment	73	75	77	80	82	82
Missiles	11	11	12	13	13	13
Motor Vehicles	24	22	24	27	28	28
Shipbuilding and Conversion	45	47	49	55	57	58
Tanks	3	3	3	3	3	3
Other Electronic Equipment	86	87	86	87	87	87
Other Ordnance	2	2	2	3	3	3
Other	4,110	3,274	3,575	3,522	3,642	3,989
Total	4,468	3,639	3,950	3,916	4,044	4,394

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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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	653	634	624	604	630	710
Operations & Maintenance ^a	5,806	4,063	4,692	4,587	4,786	5,369
Procurement						
Aircraft	138	148	157	169	173	177
Missiles	20	21	23	24	25	26
Weapons and Tracked Vehicles	14	11	11	14	15	15
Shipbuilding and Conversion	40	40	41	47	48	49
Ammunition	2	2	2	2	3	3
Other	170	182	193	207	214	219
Total Procurement	384	402	428	463	478	487
RDT&E	355	355	351	345	337	329
Military Construction	28	27	24	21	20	22
Family Housing	19	18	18	18	18	18
Total	7,245	5,500	6,137	6,038	6,269	6,935

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	4,449	4,550	4,825	5,041	4,947	4,952
Indirect Purchases	149	154	163	172	168	167
Total	4,598	4,705	4,987	5,212	5,115	5,119

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	19	19	20	22	23	23
Ammunition	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0
Missiles	129	133	140	148	143	142
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	1	1	1	1	1	1
Total	149	154	163	172	168	167

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	0	0	0	0	0	0
Operations & Maintenance ^a	806	798	772	765	756	745
Procurement						
Aircraft	23	27	30	34	35	34
Missiles	1,034	1,022	1,117	1,138	1,225	1,268
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	3	3	4	4	4	4
Ammunition	0	0	0	0	0	0
Other	1,292	1,415	1,654	1,902	1,768	1,786
Total Procurement	2,353	2,466	2,804	3,077	3,032	3,092
RDT&E	1,439	1,440	1,411	1,369	1,327	1,281
Military Construction	0	0	0	0	0	0
Family Housing	0	0	0	0	0	0
Total	4,598	4,705	4,987	5,212	5,115	5,119

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	4,338	4,307	4,368	4,579	4,625	4,564
Indirect Purchases	100	100	101	104	106	107
Total	4,438	4,408	4,469	4,683	4,731	4,671
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	8	8	8	8	8	8
Aircraft Parts	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0
Communication Equipment	10	9	8	8	8	8
Missiles	4	4	4	4	4	4
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	8	8	9	10	10	10
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	69	70	72	72	74	75
Total	100	100	101	104	106	107

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	1	1	1	1	1	1
Operations & Maintenance ^a	1,014	1,044	1,019	1,033	1,042	1,038
Procurement						
Aircraft	654	684	718	755	761	768
Missiles	106	104	103	93	92	106
Weapons and Tracked Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	309	238	234	261	214	148
Ammunition	0	0	0	0	0	0
Other	1,597	1,594	1,668	1,827	1,931	1,944
Total Procurement	2,666	2,620	2,723	2,935	2,998	2,966
RDT&E	751	737	721	709	685	661
Military Construction	2	3	2	2	2	2
Family Housing	3	3	3	3	3	3
Total	4,438	4,408	4,469	4,683	4,731	4,671

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,837	1,883	1,884	1,940	1,944	1,949
Indirect Purchases	1,653	1,676	1,705	1,760	1,795	1,809
Total	3,489	3,559	3,589	3,700	3,740	3,758
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	7	7	7	7	7	7
Aircraft Parts	86	90	94	102	108	110
Ammunition	32	33	35	36	36	36
Communication Equipment	638	652	665	689	706	707
Missiles	54	57	60	64	62	62
Motor Vehicles	3	3	4	4	4	4
Shipbuilding and Conversion	4	4	4	5	5	5
Tanks	0	0	0	0	0	0
Other Electronic Equipment	269	273	272	276	277	276
Other Ordnance	1	1	1	1	1	1
Other	558	555	563	577	588	599
Total	1,653	1,676	1,705	1,760	1,795	1,809

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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 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	6	6	6	6	6	7
Operations & Maintenance ^a	1,354	1,367	1,344	1,360	1,367	1,368
Procurement						
Aircraft	278	291	309	332	345	359
Missiles	381	379	409	418	419	411
Weapons and Tracked Vehicles	3	2	2	3	3	3
Shipbuilding and Conversion	21	17	17	19	17	13
Ammunition	1	1	1	1	1	1
Other	805	856	875	953	988	1,014
Total Procurement	1,489	1,547	1,614	1,727	1,774	1,801
RDT&E	579	581	572	559	545	530
Military Construction	46	44	39	34	33	36
Family Housing	15	14	14	14	14	14
Total	3,489	3,559	3,589	3,700	3,740	3,758

^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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	27	24	24	24	25	26
Indirect Purchases	3,406	3,372	3,478	3,588	3,664	3,760
Total	3,433	3,396	3,502	3,612	3,689	3,785
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	32	32	32	32	32	33
Aircraft Parts	78	83	87	95	102	104
Ammunition	45	46	49	51	52	52
Communication Equipment	265	273	281	294	304	308
Missiles	45	47	50	54	53	53
Motor Vehicles	95	90	99	111	117	118
Shipbuilding and Conversion	38	41	43	48	51	52
Tanks	5	5	5	5	5	5
Other Electronic Equipment	786	810	816	842	851	858
Other Ordnance	2	2	2	2	2	2
Other	2,014	1,943	2,013	2,053	2,096	2,174
Total	3,406	3,372	3,478	3,588	3,664	3,760

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

**Sources of Projected Defense Purchases of
Miscellaneous Plastic Products**
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
Military Personnel	84	84	85	85	89	101
Operations & Maintenance ^a	1,442	1,342	1,378	1,395	1,431	1,488
Procurement						
Aircraft	333	361	386	412	421	435
Missiles	158	159	174	180	185	184
Weapons and Tracked Vehicles	51	40	43	51	57	56
Shipbuilding and Conversion	41	40	41	47	48	47
Ammunition	3	3	3	3	4	4
Other	581	627	664	726	754	776
Total Procurement	1,167	1,230	1,310	1,419	1,467	1,501
RDT&E	643	647	642	634	623	612
Military Construction	72	69	61	53	52	57
Family Housing	26	25	26	26	26	27
Total	3,433	3,396	3,502	3,612	3,689	3,785

^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
Ammunition, Except Small Arms**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	3,099	3,139	3,300	3,385	3,384	3,348
Indirect Purchases	189	192	200	205	205	203
Total	3,288	3,331	3,501	3,590	3,589	3,552
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Ammunition	189	192	200	205	205	203
Total	189	192	200	205	205	203

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	112	107	110	110	112	113
Indirect Purchases	2,510	2,611	2,750	2,923	3,075	3,210
Total	2,622	2,718	2,859	3,033	3,187	3,323
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	9	10	10	10	11	11
Aircraft Parts	78	85	92	103	114	121
Ammunition	73	77	85	91	95	98
Communication Equipment	520	555	587	630	669	693
Missiles	26	28	31	34	35	36
Motor Vehicles	16	16	18	21	23	23
Shipbuilding and Conversion	10	11	12	14	15	16
Tanks	0	0	0	0	0	0
Other Electronic Equipment	238	254	265	280	291	302
Other Ordnance	6	7	7	8	8	9
Other	1,534	1,569	1,643	1,730	1,813	1,900
Total	2,510	2,611	2,750	2,923	3,075	3,210

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

**Projected Defense Purchases of
Electronic Computers**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,140	2,062	2,050	2,086	2,118	2,145
Indirect Purchases	486	473	470	480	487	493
Total	2,626	2,535	2,520	2,566	2,606	2,638
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0
Communication Equipment	36	36	37	38	39	38
Missiles	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	4	4	4	4	4	4
Other Ordnance	0	0	0	0	0	0
Other	445	431	428	436	443	448
Total	486	473	470	480	487	493

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

**Projected Defense Purchases of
Fuel Oil**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2,407	1,614	1,897	1,840	1,929	2,203
Indirect Purchases	877	769	802	793	811	869
Total	3,284	2,383	2,698	2,632	2,739	3,072
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	10	10	9	9	9	9
Aircraft Parts	14	15	15	16	17	17
Ammunition	8	8	8	8	8	8
Communication Equipment	19	20	20	21	21	21
Missiles	3	3	3	3	3	3
Motor Vehicles	8	7	8	9	9	9
Shipbuilding and Conversion	14	14	15	16	17	17
Tanks	1	1	1	1	1	1
Other Electronic Equipment	24	24	24	24	24	23
Other Ordnance	1	1	1	1	1	1
Other	775	667	698	684	701	760
Total	877	769	802	793	811	869

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	26	20	22	22	22	24
Indirect Purchases	2,065	2,023	2,037	2,084	2,084	2,083
Total	2,091	2,043	2,060	2,106	2,107	2,107
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	54	52	50	48	47	46
Aircraft Parts	89	91	92	98	102	101
Ammunition	106	106	109	110	108	105
Communication Equipment	151	149	149	152	152	148
Missiles	12	13	13	14	13	13
Motor Vehicles	117	107	115	126	128	126
Shipbuilding and Conversion	407	419	429	471	479	481
Tanks	15	15	15	15	14	14
Other Electronic Equipment	95	94	92	91	89	87
Other Ordnance	12	11	11	11	11	11
Other	1,007	965	961	948	939	950
Total	2,064	2,023	2,037	2,084	2,084	2,083

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

**Projected Defense Purchases of
Industrial Inorganic Chemicals**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,011	1,037	1,042	1,059	1,053	1,062
Indirect Purchases	786	771	773	779	775	780
Total	1,796	1,808	1,815	1,838	1,828	1,842
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	5	5	5	5	5	5
Aircraft Parts	10	11	11	11	12	12
Ammunition	6	6	6	6	6	6
Communication Equipment	23	24	24	24	25	24
Missiles	3	3	3	3	3	3
Motor Vehicles	9	8	9	10	10	10
Shipbuilding and Conversion	18	18	19	20	21	20
Tanks	1	1	1	1	1	1
Other Electronic Equipment	45	44	43	43	42	41
Other Ordnance	0	0	0	0	0	0
Other	665	651	652	655	651	657
Total	786	771	773	779	775	780

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

**Projected Defense Purchases of
Electron Tubes**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,716	1,703	1,678	1,635	1,623	1,591
Indirect Purchases	90	91	92	95	98	100
Total	1,806	1,794	1,771	1,730	1,721	1,691
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	3	4	4	4	4	4
Ammunition	1	1	1	1	1	1
Communication Equipment	22	23	24	25	26	26
Missiles	1	1	1	2	2	2
Motor Vehicles	1	1	1	1	1	1
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	22	22	21	22	22	22
Other Ordnance	0	0	0	0	0	0
Other	40	39	40	42	43	44
Total	90	91	92	95	98	100

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,678	1,594	1,732	1,948	2,027	2,021
Indirect Purchases	41	43	47	50	52	53
Total	1,719	1,638	1,779	1,998	2,079	2,074
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	25	24	26	29	30	30
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	16	19	21	21	22	23
Total	41	43	47	50	52	53

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

**Projected Defense Purchases of
Commercial Printing**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	85	68	72	72	74	78
Indirect Purchases	1,606	1,565	1,602	1,631	1,657	1,695
Total	1,691	1,633	1,674	1,703	1,731	1,773
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	38	37	37	36	36	36
Aircraft Parts	56	59	61	66	70	71
Ammunition	37	37	39	40	41	40
Communication Equipment	109	111	113	116	119	119
Missiles	18	19	20	21	20	20
Motor Vehicles	21	20	21	24	25	25
Shipbuilding and Conversion	26	28	29	32	34	34
Tanks	2	2	2	2	2	2
Other Electronic Equipment	45	46	46	47	47	47
Other Ordnance	2	2	2	2	2	2
Other	1,251	1,204	1,231	1,243	1,261	1,297
Total	1,605	1,565	1,602	1,631	1,657	1,695

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

**Projected Defense Purchases of
Industrial Organic Chemicals**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	9	9	9	9	9	9
Indirect Purchases	1,666	1,614	1,646	1,671	1,687	1,715
Total	1,675	1,623	1,655	1,680	1,696	1,724
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	25	25	24	24	24	24
Aircraft Parts	59	62	64	69	72	73
Ammunition	25	25	26	27	27	27
Communication Equipment	108	111	113	118	121	122
Missiles	14	14	15	16	15	15
Motor Vehicles	39	36	39	44	45	45
Shipbuilding and Conversion	38	39	41	45	46	47
Tanks	4	4	4	4	4	4
Other Electronic Equipment	221	223	221	223	222	221
Other Ordnance	2	2	2	2	2	2
Other	1,132	1,074	1,096	1,100	1,107	1,136
Total	1,666	1,614	1,646	1,671	1,687	1,715

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,104	1,122	1,160	1,192	1,196	1,214
Indirect Purchases	341	339	348	356	365	370
Total	1,444	1,461	1,509	1,549	1,561	1,584

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	12	12	12	12	12	12
Aircraft Parts	4	5	5	5	6	6
Ammunition	2	2	2	2	2	2
Communication Equipment	8	8	8	8	8	8
Missiles	1	1	1	2	2	2
Motor Vehicles	21	20	22	24	25	25
Shipbuilding and Conversion	8	9	9	10	11	11
Tanks	0	0	0	0	0	0
Other Electronic Equipment	5	5	5	5	5	5
Other Ordnance	0	0	0	0	0	0
Other	279	278	284	288	294	300
Total	341	339	348	356	365	370

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,272	1,316	1,335	1,304	1,303	1,329
Indirect Purchases	114	116	117	116	117	120
Total	1,386	1,431	1,453	1,421	1,420	1,449
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1
Ammunition	0	0	1	1	1	1
Communication Equipment	1	1	1	1	2	2
Missiles	0	0	0	0	0	0
Motor Vehicles	1	1	1	1	1	1
Shipbuilding and Conversion	1	1	1	1	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordnance	0	0	0	0	0	0
Other	108	109	111	109	109	112
Total	114	116	117	116	117	120

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	127	120	110	100	98	103
Indirect Purchases	1,270	1,282	1,300	1,329	1,349	1,369
Total	1,397	1,402	1,410	1,429	1,447	1,472
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	200	198	195	191	190	190
Aircraft Parts	96	101	104	113	119	121
Ammunition	14	15	16	16	16	17
Communication Equipment	128	131	134	140	144	145
Missiles	19	19	21	22	22	22
Motor Vehicles	7	7	7	8	9	9
Shipbuilding and Conversion	36	38	40	44	46	47
Tanks	24	24	24	25	24	24
Other Electronic Equipment	187	188	188	188	189	188
Other Ordnance	1	1	1	1	1	1
Other	558	560	570	581	588	606
Total	1,270	1,282	1,300	1,329	1,349	1,369

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

**Projected Defense Purchases of
Surgical and Medical Instruments**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1,220	1,217	1,238	1,255	1,253	1,279
Indirect Purchases	41	41	40	41	41	42
Total	1,262	1,258	1,278	1,296	1,294	1,321
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 and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	41	41	40	40	41	41
Total	41	41	40	41	41	42

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

**Projected Defense Purchases of
Apparel**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	985	997	1,031	1,032	1,063	1,166
Indirect Purchases	218	217	223	224	229	244
Total	1,203	1,215	1,254	1,255	1,292	1,410
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	3	3	3	3	3	3
Ammunition	10	10	11	11	11	11
Communication Equipment	7	7	7	7	8	7
Missiles	0	1	1	1	1	1
Motor Vehicles	1	1	1	1	1	1
Shipbuilding and Conversion	1	1	1	2	2	2
Tanks	0	0	0	0	0	0
Other Electronic Equipment	4	4	4	4	4	4
Other Ordnance	0	0	0	0	0	0
Other	190	189	194	194	199	214
Total	218	217	223	224	229	244

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	5	5	5	5	6	6
Indirect Purchases	1,162	1,151	1,143	1,127	1,125	1,116
Total	1,167	1,155	1,148	1,133	1,131	1,121
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	3	3	3	3	3	3
Aircraft Parts	9	10	10	11	11	12
Ammunition	3	3	3	3	3	3
Communication Equipment	24	25	25	26	27	27
Missiles	3	3	3	3	3	3
Motor Vehicles	21	20	21	24	25	25
Shipbuilding and Conversion	9	9	10	11	11	11
Tanks	0	0	0	0	0	0
Other Electronic Equipment	859	853	840	818	811	795
Other Ordnance	0	0	0	0	0	0
Other	231	225	227	228	229	235
Total	1,162	1,151	1,143	1,127	1,125	1,116

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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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	7	8	7	8	8	8
Indirect Purchases	1,039	1,056	1,079	1,117	1,141	1,158
Total	1,047	1,064	1,086	1,125	1,149	1,166
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	45	45	44	44	44	44
Aircraft Parts	65	68	71	77	82	84
Ammunition	36	37	39	41	41	41
Communication Equipment	181	186	191	199	205	207
Missiles	16	17	18	19	19	19
Motor Vehicles	18	17	18	20	21	21
Shipbuilding and Conversion	13	13	14	16	16	17
Tanks	1	1	1	1	1	1
Other Electronic Equipment	336	344	345	354	356	357
Other Ordnance	3	3	3	3	3	3
Other	326	326	335	344	353	365
Total	1,039	1,056	1,079	1,117	1,141	1,158

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

**Projected Defense Purchases of
Motors and Generators**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	776	770	745	721	713	735
Indirect Purchases	297	293	295	299	302	305
Total	1,074	1,063	1,040	1,021	1,015	1,040

	INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR					
Aircraft Engines	1	1	1	1	1	1
Aircraft Parts	6	7	7	7	8	8
Ammunition	1	1	1	1	1	1
Communication Equipment	40	40	40	42	42	42
Missiles	2	2	2	2	2	2
Motor Vehicles	4	4	4	5	5	5
Shipbuilding and Conversion	25	26	27	30	31	31
Tanks	0	0	0	0	0	0
Other Electronic Equipment	3	3	3	3	3	3
Other Ordnance	0	0	0	0	0	0
Other	215	209	209	208	209	212
Total	297	293	295	299	302	305

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	5	5	5	5	5	5
Indirect Purchases	1,060	1,042	1,064	1,089	1,104	1,126
Total	1,065	1,047	1,069	1,094	1,109	1,131
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	17	17	17	16	16	16
Aircraft Parts	59	61	63	68	72	73
Ammunition	16	16	17	17	18	17
Communication Equipment	74	76	78	81	83	83
Missiles	14	14	15	16	16	16
Motor Vehicles	31	29	32	35	37	37
Shipbuilding and Conversion	18	19	20	22	23	23
Tanks	3	3	3	3	3	3
Other Electronic Equipment	195	199	199	204	205	205
Other Ordnance	1	1	1	1	1	1
Other	632	606	620	625	632	652
Total	1,060	1,042	1,064	1,089	1,104	1,126

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	286	232	257	273	283	295
Indirect Purchases	825	782	830	899	926	932
Total	1,110	1,014	1,087	1,171	1,209	1,227
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	3	3	3	3	3	3
Aircraft Parts	5	5	5	6	6	6
Ammunition	3	3	3	3	3	3
Communication Equipment	9	9	9	10	10	10
Missiles	2	2	2	2	2	2
Motor Vehicles	550	516	559	626	650	647
Shipbuilding and Conversion	6	6	7	7	8	8
Tanks	0	0	0	0	0	0
Other Electronic Equipment	10	10	10	10	10	10
Other Ordnance	0	0	0	0	0	0
Other	237	227	230	231	234	242
Total	825	782	830	899	926	932

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
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SUMMARY OF DEFENSE PURCHASES

Direct Purchases	462	481	490	521	524	545
Indirect Purchases	491	486	499	509	513	516
Total	953	967	988	1,030	1,037	1,061

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR

Aircraft Engines	6	6	5	5	5	5
Aircraft Parts	12	13	13	14	15	15
Ammunition	171	172	181	185	184	182
Communication Equipment	46	46	47	48	49	49
Missiles	2	2	3	3	3	3
Motor Vehicles	5	5	5	6	6	6
Shipbuilding and Conversion	18	19	20	22	23	23
Tanks	7	7	7	7	7	7
Other Electronic Equipment	23	23	23	22	22	22
Other Ordnance	9	9	9	9	9	9
Other	192	184	187	188	190	196
Total	491	486	499	509	513	516

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	680	721	680	697	699	677
Indirect Purchases	182	182	182	189	192	194
Total	863	903	862	886	891	871

INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	1	2	2	2	2	2
Aircraft Parts	1	2	2	2	2	2
Ammunition	1	1	1	1	1	1
Communication Equipment	2	2	2	2	2	2
Missiles	0	0	0	0	0	0
Motor Vehicles	1	1	1	1	1	1
Shipbuilding and Conversion	39	41	43	49	51	52
Tanks	0	0	0	0	0	0
Other Electronic Equipment	2	2	2	2	2	2
Other Ordnance	0	0	0	0	0	0
Other	135	132	129	131	131	132
Total	182	182	182	189	192	194

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	285	272	283	295	302	319
Indirect Purchases	621	627	652	686	706	732
Total	906	900	935	982	1,009	1,052
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	4	5	4	4	4	5
Aircraft Parts	23	24	25	27	29	30
Ammunition	3	3	3	4	4	4
Communication Equipment	9	10	10	10	11	11
Missiles	3	3	3	3	3	3
Motor Vehicles	7	7	8	9	9	9
Shipbuilding and Conversion	172	182	191	215	225	232
Tanks	0	0	0	0	0	0
Other Electronic Equipment	12	12	12	12	12	12
Other Ordnance	0	0	0	0	0	0
Other	387	382	395	401	408	426
Total	621	627	652	686	706	732

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	5	4	4	5	5	5
Indirect Purchases	879	863	885	913	922	932
Total	884	867	890	917	927	937
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	23	22	22	21	21	21
Aircraft Parts	132	136	139	149	156	157
Ammunition	46	46	48	49	48	47
Communication Equipment	63	64	64	66	66	66
Missiles	11	11	12	13	12	12
Motor Vehicles	53	48	52	59	61	60
Shipbuilding and Conversion	58	60	62	68	70	71
Tanks	20	19	19	20	19	18
Other Electronic Equipment	54	54	53	53	53	52
Other Ordnance	2	2	2	2	2	2
Other	419	400	412	414	414	426
Total	879	863	885	913	922	932

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	755	802	783	839	844	857
Indirect Purchases	33	35	34	36	36	37
Total	788	837	817	875	880	894
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0
Ammunition	2	2	2	2	2	2
Communication Equipment	0	0	0	0	0	0
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	31	33	32	34	35	35
Other	0	0	0	0	0	0
Total	33	35	34	36	36	37

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

**Projected Defense Purchases of
Electric Lamps, Light Fixtures, and Wiring**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	578	528	510	482	482	521
Indirect Purchases	311	308	313	319	325	332
Total	889	836	823	802	807	853
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	2	2	2	2	2	2
Aircraft Parts	5	5	5	6	6	6
Ammunition	2	2	3	3	3	3
Communication Equipment	84	86	87	90	92	92
Missiles	3	3	3	4	3	3
Motor Vehicles	9	9	9	10	11	11
Shipbuilding and Conversion	9	9	10	11	11	12
Tanks	0	0	0	0	0	0
Other Electronic Equipment	28	28	28	29	29	29
Other Ordnance	0	0	0	0	0	0
Other	168	162	164	165	167	173
Total	311	308	313	319	325	332

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2	2	2	2	2	2
Indirect Purchases	858	827	839	847	854	867
Total	860	829	841	849	856	869
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	18	18	17	17	17	17
Aircraft Parts	27	29	29	31	33	33
Ammunition	18	18	19	19	19	19
Communication Equipment	54	55	55	56	57	57
Missiles	9	9	10	10	10	10
Motor Vehicles	10	10	10	12	12	12
Shipbuilding and Conversion	14	15	15	17	18	18
Tanks	1	1	1	1	1	1
Other Electronic Equipment	27	27	27	27	27	27
Other Ordnance	1	1	1	1	1	1
Other	678	645	654	656	660	673
Total	858	827	839	847	854	867

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

**Projected Defense Purchases of
Computer Peripheral Equipment**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	460	452	445	455	463	467
Indirect Purchases	380	369	368	375	381	386
Total	840	821	813	830	844	854
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	2	1	1	1	1	1
Aircraft Parts	2	2	2	3	3	3
Ammunition	0	0	0	0	0	0
Communication Equipment	4	4	4	4	4	4
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	1	1
Tanks	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1
Other Ordnance	0	0	0	0	0	0
Other	370	359	358	365	370	375
Total	380	369	368	375	381	386

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	513	549	556	585	590	594
Indirect Purchases	217	224	232	245	248	249
Total	730	773	789	831	837	842
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	6	6	6	6	6	6
Aircraft Parts	70	74	76	82	87	89
Ammunition	4	4	4	4	4	4
Communication Equipment	13	13	14	14	14	14
Missiles	94	97	103	108	105	104
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	10	10	9	9	9	9
Other Ordnance	0	0	0	0	0	0
Other	20	20	20	21	22	22
Total	217	224	232	245	248	249

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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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	60	54	57	58	59	60
Indirect Purchases	702	705	726	748	764	781
Total	761	759	783	806	823	841
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	34	34	33	33	33	33
Aircraft Parts	67	71	73	80	85	87
Ammunition	43	44	46	48	48	48
Communication Equipment	49	51	52	54	56	56
Missiles	12	12	13	14	14	13
Motor Vehicles	32	29	32	35	37	37
Shipbuilding and Conversion	33	34	36	40	42	43
Tanks	2	2	2	2	2	2
Other Electronic Equipment	46	46	46	47	47	47
Other Ordnance	2	2	2	2	2	2
Other	383	380	390	393	399	412
Total	702	705	726	748	764	781

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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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	100	90	90	87	85	85
Indirect Purchases	614	631	652	670	675	687
Total	714	721	742	757	760	772
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	43	43	42	41	41	41
Aircraft Parts	26	27	28	30	32	32
Ammunition	24	25	26	27	27	26
Communication Equipment	32	33	34	35	36	36
Missiles	10	10	11	12	11	11
Motor Vehicles	27	26	28	31	32	32
Shipbuilding and Conversion	18	19	20	22	23	23
Tanks	2	2	2	2	2	2
Other Electronic Equipment	31	31	31	31	31	31
Other Ordnance	1	1	1	1	1	1
Other	400	415	430	439	439	451
Total	614	631	652	670	675	687

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	2	2	2	2	2	2
Indirect Purchases	739	703	699	693	683	677
Total	741	704	701	694	684	678
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	33	32	30	29	28	27
Aircraft Parts	47	48	48	50	51	51
Ammunition	33	32	33	33	32	31
Communication Equipment	91	90	88	88	87	85
Missiles	15	16	16	16	15	15
Motor Vehicles	16	15	15	17	17	16
Shipbuilding and Conversion	17	18	18	19	19	19
Tanks	2	2	1	1	1	1
Other Electronic Equipment	27	27	26	26	25	24
Other Ordnance	2	2	2	2	2	2
Other	455	423	421	412	405	407
Total	739	703	699	693	683	677

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

**Projected Defense Purchases of
Paperboard Containers and Boxes**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	50	54	54	58	60	62
Indirect Purchases	688	649	667	673	683	703
Total	738	704	721	732	743	764
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	9	9	9	9	9	9
Aircraft Parts	17	17	18	19	20	21
Ammunition	17	17	18	18	18	18
Communication Equipment	64	65	66	68	69	69
Missiles	5	5	6	6	6	6
Motor Vehicles	14	13	14	15	16	16
Shipbuilding and Conversion	15	16	17	18	19	19
Tanks	1	1	1	1	1	1
Other Electronic Equipment	77	78	77	77	77	77
Other Ordnance	1	1	1	1	1	1
Other	469	427	441	439	446	466
Total	688	649	667	673	683	703

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	38	28	32	32	33	36
Indirect Purchases	623	635	654	678	689	699
Total	661	662	685	709	722	735
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	14	14	13	13	13	13
Aircraft Parts	77	81	83	90	95	96
Ammunition	42	43	45	46	46	46
Communication Equipment	70	72	73	75	77	76
Missiles	7	7	8	8	8	8
Motor Vehicles	30	28	31	34	36	36
Shipbuilding and Conversion	34	35	37	41	43	44
Tanks	4	4	4	4	4	4
Other Electronic Equipment	52	53	53	54	54	54
Other Ordnance	3	3	3	3	3	3
Other	290	296	304	309	310	319
Total	623	635	654	678	689	699

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

**Projected Defense Purchases of
Metal Stampings, n.e.c.**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	4	4	4	4	4	4
Indirect Purchases	648	652	660	671	677	684
Total	652	656	664	674	681	688
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	23	23	23	22	22	22
Aircraft Parts	42	44	46	49	52	53
Ammunition	30	30	32	33	33	33
Communication Equipment	62	64	65	67	69	69
Missiles	8	9	9	10	10	10
Motor Vehicles	9	10	11	11	12	12
Shipbuilding and Conversion	16	17	17	20	20	21
Tanks	3	3	3	4	3	3
Other Electronic Equipment	187	186	184	182	181	178
Other Ordnance	0	0	0	0	0	0
Other	267	266	270	273	275	282
Total	648	652	660	671	677	684

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 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	635	624	600	605	596	588
Indirect Purchases	17	16	16	17	17	17
Total	652	641	617	622	613	605
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	6	6	6	6	6	6
Missiles	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0
Shipbuilding and Conversion	0	0	0	0	0	0
Tanks	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0
Other Ordnance	0	0	0	0	0	0
Other	10	10	9	9	9	9
Total	17	16	16	17	17	17

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

**Projected Defense Purchases of
Broadwoven Fabric Mills**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	77	56	61	57	58	66
Indirect Purchases	561	545	566	571	587	631
Total	639	601	627	628	645	697
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	9	9	9	9	9	9
Aircraft Parts	4	4	4	5	5	5
Ammunition	3	4	4	4	4	4
Communication Equipment	8	8	8	9	9	9
Missiles	2	2	2	3	2	2
Motor Vehicles	17	16	18	21	22	22
Shipbuilding and Conversion	6	6	7	8	8	8
Tanks	0	0	0	0	0	0
Other Electronic Equipment	10	11	11	11	11	11
Other Ordnance	0	0	0	0	0	0
Other	500	484	502	503	517	560
Total	561	545	566	571	587	631

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

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

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	7	8	8	8	8	8
Indirect Purchases	574	567	585	600	613	630
Total	582	575	592	608	621	638
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	22	22	22	22	22	22
Aircraft Parts	32	33	35	37	40	41
Ammunition	22	23	24	25	25	25
Communication Equipment	63	65	66	69	71	71
Missiles	11	11	12	13	13	13
Motor Vehicles	11	10	11	13	13	13
Shipbuilding and Conversion	13	13	14	16	16	17
Tanks	1	1	1	1	1	1
Other Electronic Equipment	21	22	22	22	22	22
Other Ordnance	1	1	1	1	1	1
Other	377	365	376	382	389	404
Total	574	567	585	600	613	630

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

**Projected Defense Purchases of
Relays and Industrial Controls**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	18	16	16	16	16	17
Indirect Purchases	546	542	548	561	567	572
Total	564	558	564	577	583	589
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	2	2	2	2	2	2
Aircraft Parts	2	3	3	3	3	3
Ammunition	3	3	3	3	4	3
Communication Equipment	103	105	106	110	113	112
Missiles	3	3	3	3	3	3
Motor Vehicles	4	3	4	4	4	4
Shipbuilding and Conversion	31	33	34	38	40	41
Tanks	0	0	0	0	0	0
Other Electronic Equipment	6	6	6	6	6	6
Other Ordnance	0	0	0	0	0	0
Other	391	385	386	390	392	396
Total	546	542	548	561	567	572

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

**Projected Defense Purchases of
Nonferrous Castings and Forgings**

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
SUMMARY OF DEFENSE PURCHASES						
Direct Purchases	1	1	1	1	1	1
Indirect Purchases	535	541	549	558	566	572
Total	536	542	550	559	567	574
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR						
Aircraft Engines	260	258	255	251	251	252
Aircraft Parts	53	56	58	63	67	68
Ammunition	43	44	46	48	48	47
Communication Equipment	19	19	19	20	21	21
Missiles	23	24	26	28	27	27
Motor Vehicles	2	2	2	2	2	2
Shipbuilding and Conversion	7	7	7	8	9	9
Tanks	6	6	6	6	6	6
Other Electronic Equipment	9	9	9	9	9	9
Other Ordnance	3	3	3	3	3	3
Other	110	112	116	119	122	126
Total	535	541	549	558	566	572

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 2000 through 2005. 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 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,982	6,852	6,808	6,799	6,816	6,879
Indirect Defense Purchases Resulting from Direct Purchases	2,750	2,687	2,748	2,806	2,862	2,936
Indirect Defense Purchases Resulting from Direct Pay	1,241	1,216	1,194	1,184	1,184	1,192
Total Nondefense Expenditures	241,343	248,816	251,366	256,611	263,112	270,071
Total Output	252,320	259,573	262,119	267,404	273,978	281,082
Government Industry Compensation	3,274	3,222	3,159	3,134	3,131	3,145

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,429	1,422	1,397	1,377	1,347	1,316
Air transport	454	452	452	453	465	489
Aerospace	257	265	269	276	278	279
Computer and data processing	251	238	239	240	244	249
New construction	161	162	156	154	155	156

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	462	457	460	463	463	467
Computer and data processing	296	294	298	304	311	320
Other business services	215	214	221	230	236	241
Primary nonferrous metals	142	142	145	149	151	153
Wholesale trade	139	136	139	142	144	148

Alaska Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,068	1,966	1,982	1,979	2,013	2,071
Indirect Defense Purchases Resulting from Direct	1,348	1,298	1,296	1,319	1,382	1,428
Indirect Defense Purchases Resulting from Direct Pay	328	320	314	312	313	315
Total Nondefense Expenditures	48,364	49,595	50,043	50,575	51,262	52,006
Total Output	52,107	53,179	53,636	54,186	54,971	55,820
Government Industry Compensation	1,087	1,078	1,068	1,065	1,071	1,086

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	216	219	212	212	213	215
Communications services	184	156	169	172	183	192
Professional services	152	156	156	160	163	164
Real estate and royalties	108	105	103	102	103	106
Petroleum refining	60	40	47	46	48	55

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	942	909	897	912	966	998
Other business services	92	92	94	97	99	102
Professional services	49	50	51	54	56	58
Air transport	36	36	36	36	36	36
Pipeline	31	24	27	26	27	30

Arizona Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	5,942	5,983	6,019	6,116	6,164	6,208
Indirect Defense Purchases Resulting from Direct	1,946	1,924	1,973	2,025	2,069	2,121
Indirect Defense Purchases Resulting from Direct Pay	1,380	1,361	1,346	1,338	1,342	1,357
Total Nondefense Expenditures	220,256	228,536	231,936	237,071	244,006	251,268
Total Output	229,526	237,806	241,276	246,554	253,585	260,958
Government Industry Compensation	2,282	2,259	2,232	2,222	2,225	2,238

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	1,299	1,360	1,409	1,477	1,511	1,537
Professional services	588	592	584	585	582	574
Search and navigation equipment	256	252	254	262	261	255
Metal products	231	241	253	267	270	271
Other medical services and dentists	222	223	217	220	222	222

Indirect Defense Purchases Resulting from Direct Expenditures

Electronic components	221	227	238	250	260	267
Aerospace	212	214	218	222	225	226
Professional services	190	190	192	197	200	204
Primary nonferrous metals	132	133	136	140	143	145
Wholesale trade	119	116	119	123	126	129

Arkansas Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,250	1,216	1,214	1,211	1,219	1,240
Indirect Defense Purchases Resulting from Direct	1,017	982	1,012	1,036	1,058	1,092
Indirect Defense Purchases Resulting from Direct Pay	561	550	540	533	531	533
Total Nondefense Expenditures	141,237	145,723	147,201	150,254	154,161	158,484
Total Output	144,069	148,474	149,970	153,039	156,975	161,355
Government Industry Compensation	892	882	870	866	866	870

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	61	61	59	58	58	59
Trucking, highway passenger transit	34	31	33	32	34	38
Electric utilities	30	29	29	29	30	31
Aerospace	27	28	30	32	33	33
Metal products	28	28	29	30	30	30

Indirect Defense Purchases Resulting from Direct Expenditures

Primary nonferrous metals	89	88	89	90	91	91
Wholesale trade	79	78	80	82	84	87
Metal products	70	70	72	75	77	79
Trucking, highway passenger transit	56	54	56	57	59	63
Paper	55	53	54	54	55	56

California Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	40,829	40,325	40,517	40,931	41,235	41,668
Indirect Defense Purchases Resulting from Direct	17,252	16,817	17,256	17,590	17,921	18,415
Indirect Defense Purchases Resulting from Direct Pay	8,355	8,217	8,102	8,030	8,037	8,107
Total Nondefense Expenditures	1,766,626	1,827,487	1,851,887	1,889,319	1,939,177	1,992,034
Total Output	1,833,041	1,892,826	1,917,734	1,955,829	2,006,330	2,060,184
Government Industry Compensation	14,838	14,654	14,437	14,357	14,378	14,482

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	7,827	7,841	7,737	7,711	7,629	7,496
Aerospace	5,840	6,130	6,392	6,722	6,870	6,982
New construction	1,412	1,427	1,377	1,366	1,372	1,383
Search and navigation equipment	955	945	967	1,024	1,038	1,025
Communication equipment	878	901	913	938	963	963

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	2,529	2,522	2,550	2,591	2,624	2,663
Finance and insurance	1,672	1,636	1,665	1,685	1,715	1,765
Wholesale trade	1,111	1,088	1,123	1,157	1,186	1,223
Real estate and royalties	1,026	996	1,034	1,051	1,057	1,084
Other business services	967	967	989	1,014	1,040	1,066

Colorado Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,361	6,299	6,262	6,235	6,233	6,237
Indirect Defense Purchases Resulting from Direct	2,051	2,039	2,109	2,182	2,244	2,303
Indirect Defense Purchases Resulting from Direct Pay	1,454	1,428	1,408	1,398	1,402	1,419
Total Nondefense Expenditures	242,276	250,410	253,482	258,504	265,258	272,676
Total Output	252,142	260,176	263,262	268,320	275,137	282,635
Government Industry Compensation	2,872	2,844	2,813	2,802	2,810	2,833

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Electronic components	1,347	1,348	1,318	1,275	1,244	1,208
Professional services	645	648	638	638	634	625
Aerospace	383	384	378	374	368	360
Computer and data processing	264	276	308	334	348	355
New construction	173	175	169	168	169	170

Indirect Defense Purchases Resulting from Direct Expenditures

Computer and data processing	311	341	383	422	444	457
Professional services	208	208	210	214	218	222
Other business services	147	145	141	142	146	150
Real estate and royalties	147	142	140	142	151	155
Wholesale trade	141	137	141	144	147	151

Connecticut Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,732	4,772	4,892	5,169	5,257	5,334
Indirect Defense Purchases Resulting from Direct	1,656	1,630	1,663	1,698	1,725	1,756
Indirect Defense Purchases Resulting from Direct Pay	806	795	783	772	770	774
Total Nondefense Expenditures	221,836	229,531	232,502	236,902	243,114	249,531
Total Output	229,031	236,729	239,842	244,543	250,867	257,396
Government Industry Compensation	671	665	657	655	657	663

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships and boats	2,001	2,046	2,118	2,336	2,394	2,425
Aerospace	646	684	720	766	788	806
Professional services	387	390	389	394	395	390
Metal products	151	158	166	177	179	180
General and miscellaneous industrial machinery	77	77	81	75	77	79

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	280	284	290	296	300	302
Professional services	125	125	128	132	136	139
Wholesale trade	126	124	128	132	135	139
Metal products	110	109	111	115	116	118
Primary nonferrous metals	77	76	77	78	79	79

Delaware Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,163	1,175	1,176	1,186	1,185	1,200
Indirect Defense Purchases Resulting from Direct	379	366	376	384	393	406
Indirect Defense Purchases Resulting from Direct Pay	226	223	219	216	216	217
Total Nondefense Expenditures	58,035	60,129	60,540	62,104	64,018	65,963
Total Output	59,803	61,892	62,311	63,891	65,811	67,787
Government Industry Compensation	349	346	343	341	343	346

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Medical instruments and supplies	654	675	678	690	685	689
Trucking, highway passenger transit	45	42	43	42	44	50
New construction	39	39	38	38	38	38
Professional services	16	15	15	15	15	15
Electric utilities	10	10	10	10	10	10

Indirect Defense Purchases Resulting from Direct Expenditures

Other chemicals	65	63	64	66	67	68
Plastics and synthetics	57	56	57	58	59	61
Wholesale trade	27	27	28	28	29	30
Other business services	23	23	23	24	25	25
Petroleum refining	27	23	25	25	27	30

District of Columbia Summary

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,603	3,447	3,428	3,406	3,427	3,495
Indirect Defense Purchases Resulting from Direct	1,515	1,489	1,511	1,533	1,557	1,592
Indirect Defense Purchases Resulting from Direct Pay	562	550	542	537	536	540
Total Nondefense Expenditures	80,864	83,184	84,015	85,112	86,667	88,301
Total Output	86,545	88,671	89,495	90,588	92,188	93,927
Government Industry Compensation	1,607	1,578	1,543	1,529	1,530	1,541

LARGEST PURCHASES BY INDUSTRIAL SECTORS**Total Direct Expenditures (Purchases and Pay)**

Professional services	358	359	352	349	344	338
Communications services	363	283	309	306	316	342
Computer and data processing	260	246	247	248	251	256
New construction	171	174	168	169	170	170
Water transport	158	158	157	157	160	170

**Indirect Defense Purchases Resulting
from Direct Expenditures**

Computer and data processing	307	304	308	314	321	330
Federal and state and local government enterprises	267	259	260	261	263	266
Finance and insurance	199	195	200	204	209	215
Other business services	175	175	179	184	188	193
Education, social services, membership organizations	132	131	133	135	137	139

Florida Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	16,511	16,438	16,427	16,557	16,652	16,741
Indirect Defense Purchases Resulting from Direct	5,356	5,267	5,413	5,549	5,692	5,861
Indirect Defense Purchases Resulting from Direct Pay	5,031	4,961	4,911	4,882	4,897	4,950
Total Nondefense Expenditures	726,743	755,640	767,040	783,739	805,972	829,502
Total Output	753,672	782,336	793,827	810,783	833,272	857,114
Government Industry Compensation	8,285	8,199	8,103	8,065	8,074	8,119

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	2,027	2,098	2,146	2,219	2,249	2,268
Professional services	1,765	1,787	1,791	1,825	1,838	1,819
Communication equipment	1,141	1,156	1,154	1,154	1,155	1,138
Search and navigation equipment	441	441	446	469	475	471
Electric lighting and wiring equipment and misc. electrical supplies	451	436	451	475	475	473

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	663	663	678	696	713	731
Professional services	570	575	590	613	632	646
Wholesale trade	484	477	494	511	527	546
Movies and amusements	345	347	352	357	364	365
Communications services	277	266	277	284	292	303

Georgia Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	11,443	11,333	11,292	11,299	11,327	11,415
Indirect Defense Purchases Resulting from Direct	4,305	4,182	4,326	4,422	4,503	4,647
Indirect Defense Purchases Resulting from Direct Pay	2,603	2,567	2,539	2,531	2,546	2,578
Total Nondefense Expenditures	465,603	482,883	489,802	501,794	516,884	532,404
Total Output	483,952	500,962	507,955	520,041	535,255	551,040
Government Industry Compensation	5,878	5,812	5,736	5,709	5,725	5,777

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	3,185	3,215	3,208	3,207	3,172	3,126
Professional services	448	454	454	462	466	463
New construction	288	292	281	279	281	283
Trucking, highway passenger transit	309	284	293	289	302	341
Electric utilities	134	126	127	128	131	135

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	351	344	355	366	376	388
Real estate and royalties	332	323	349	355	342	350
Communications services	268	264	281	295	311	329
Advertising	259	253	258	263	266	271
Other business services	250	250	256	262	269	276

Hawaii Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,776	4,659	4,628	4,610	4,654	4,761
Indirect Defense Purchases Resulting from Direct	970	950	968	987	1,010	1,039
Indirect Defense Purchases Resulting from Direct Pay	1,048	1,026	1,012	1,009	1,014	1,024
Total Nondefense Expenditures	134,468	138,406	140,616	143,111	146,146	149,288
Total Output	141,262	145,041	147,224	149,717	152,824	156,112
Government Industry Compensation	3,268	3,233	3,191	3,178	3,192	3,230

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	448	456	441	441	444	446
Trucking, highway passenger transit	296	273	281	277	290	328
Professional services	186	188	184	184	185	185
Electric utilities	81	76	77	78	80	82
Hotels	59	58	59	59	60	64

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	252	252	258	265	271	278
Electric utilities	116	113	116	119	121	125
Real estate and royalties	65	63	62	63	67	69
Professional services	60	60	61	62	64	66
Hotels	58	57	57	58	58	58

Idaho Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	616	601	597	594	597	605
Indirect Defense Purchases Resulting from Direct	443	429	442	454	466	481
Indirect Defense Purchases Resulting from Direct Pay	293	289	286	284	285	288
Total Nondefense Expenditures	63,145	65,321	66,225	67,615	69,383	71,325
Total Output	64,497	66,640	67,551	68,948	70,731	72,700
Government Industry Compensation	436	432	428	427	428	431

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	51	52	50	49	50	50
Professional services	39	39	39	38	38	38
Computers	27	26	26	26	26	27
Electric utilities	12	11	11	11	12	12
Other food products	10	7	8	8	8	9

Indirect Defense Purchases Resulting from Direct Expenditures

Electronic components	83	85	88	93	96	99
Wholesale trade	46	45	46	47	48	50
Other chemicals	23	22	23	24	24	24
Other business services	19	19	19	20	21	21
Crude petroleum	23	17	19	19	19	21

Illinois Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	5,136	5,022	5,020	5,005	5,038	5,142
Indirect Defense Purchases Resulting from Direct	5,079	4,893	5,023	5,117	5,212	5,362
Indirect Defense Purchases Resulting from Direct Pay	2,836	2,797	2,762	2,729	2,726	2,746
Total Nondefense Expenditures	745,298	768,890	775,864	790,305	809,013	828,979
Total Output	758,357	781,608	788,676	803,165	821,998	842,237
Government Industry Compensation	2,680	2,648	2,611	2,598	2,604	2,628

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Agriculture, construction, mining and oil field equipment	528	537	542	533	533	544
Metal products	288	295	304	316	318	318
New construction	255	258	248	246	247	250
Professional services	206	207	203	203	201	199
Trucking, highway passenger transit	155	143	147	145	152	171

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	533	518	532	544	554	568
Metal products	375	371	381	394	401	407
Primary nonferrous metals	288	289	296	304	308	313
Printing and publishing	278	270	274	277	279	283
Communications services	256	245	253	258	264	273

Indiana Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,384	3,299	3,338	3,368	3,421	3,471
Indirect Defense Purchases Resulting from Direct	3,404	3,317	3,410	3,514	3,587	3,671
Indirect Defense Purchases Resulting from Direct Pay	1,256	1,242	1,232	1,223	1,226	1,240
Total Nondefense Expenditures	365,633	377,759	381,359	390,551	401,541	413,042
Total Output	373,688	385,628	389,346	398,668	409,786	421,435
Government Industry Compensation	1,019	1,004	985	978	977	981

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	602	613	609	622	628	624
Communication equipment	518	534	544	562	581	583
Aerospace	204	214	222	233	239	243
Other medical services and dentists	105	106	103	104	106	106
General and miscellaneous industrial machinery	95	105	110	97	100	100

Indirect Defense Purchases Resulting from Direct Expenditures

Primary ferrous metals	348	343	346	354	355	357
Primary nonferrous metals	288	289	296	305	310	314
Finance and insurance	256	251	257	262	268	277
Metal products	249	248	256	265	271	277
Professional services	194	197	201	209	216	222

Iowa Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,022	1,032	1,044	1,064	1,077	1,085
Indirect Defense Purchases Resulting from Direct	874	841	867	885	902	929
Indirect Defense Purchases Resulting from Direct Pay	625	618	613	607	607	612
Total Nondefense Expenditures	165,181	170,697	172,494	175,860	180,005	184,497
Total Output	167,701	173,186	175,016	178,414	182,590	187,122
Government Industry Compensation	309	305	301	300	300	301

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Communication equipment	197	205	212	221	230	231
Metal products	129	135	143	152	154	155
Aerospace	119	126	131	139	143	146
Electronic components	56	56	55	53	52	51
Search and navigation equipment	52	51	51	53	52	51

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	119	116	119	123	126	129
Metal products	61	60	62	65	66	67
Printing and publishing	55	54	55	55	56	57
Primary nonferrous metals	54	54	54	56	56	57
Plastic products	48	49	51	53	54	56

Kansas Summary

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
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AGGREGATE MEASURES

Total Direct Expenditures (Purchases and Pay)	2,438	2,406	2,415	2,430	2,459	2,504
Indirect Defense Purchases Resulting from Direct	1,260	1,213	1,256	1,284	1,314	1,356
Indirect Defense Purchases Resulting from Direct Pay	732	719	709	702	702	706
Total Nondefense Expenditures	156,493	161,115	162,843	166,191	170,441	174,638
Total Output	160,924	165,454	167,225	170,609	174,917	179,206
Government Industry Compensation	1,351	1,339	1,325	1,321	1,326	1,340

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	491	511	522	543	556	564
New construction	120	121	116	115	116	117
Agriculture, construction, mining and oil field equipment	67	69	71	71	71	72
Professional services	56	57	56	56	56	56
Electric utilities	54	51	51	52	53	55

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	227	233	241	247	252	254
Wholesale trade	107	105	108	112	114	117
Petroleum refining	100	82	89	88	91	98
Electric utilities	77	76	78	79	81	83
Communications services	72	71	76	81	85	90

Kentucky Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,950	3,880	3,869	3,870	3,918	4,017
Indirect Defense Purchases Resulting from Direct	2,509	2,441	2,509	2,568	2,625	2,701
Indirect Defense Purchases Resulting from Direct Pay	1,046	1,025	1,008	998	997	1,004
Total Nondefense Expenditures	233,109	240,307	241,780	247,363	253,908	260,373
Total Output	240,617	247,658	249,171	254,804	261,454	268,101
Government Industry Compensation	2,141	2,127	2,112	2,108	2,121	2,150

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Other medical services and dentists	559	562	548	555	561	560
Railroads	298	277	286	282	295	332
New construction	176	177	171	169	169	171
Other business services	145	136	137	138	140	144
Professional services	103	105	107	111	113	114

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	831	831	849	872	894	916
Primary nonferrous metals	132	132	135	139	141	144
Wholesale trade	126	123	126	130	132	136
Air transport	102	106	111	116	120	126
Coal mining	100	95	96	99	100	103

Louisiana Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,820	3,666	3,748	3,851	3,935	4,074
Indirect Defense Purchases Resulting from Direct	1,972	1,810	1,888	1,908	1,953	2,049
Indirect Defense Purchases Resulting from Direct Pay	1,039	1,022	1,009	998	998	1,006
Total Nondefense Expenditures	247,911	255,324	258,757	263,191	269,145	275,491
Total Output	254,733	261,814	265,387	269,924	276,007	282,593
Government Industry Compensation	1,521	1,504	1,484	1,477	1,480	1,491

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships and boats	850	900	950	1,077	1,126	1,159
Water transport	285	284	283	283	289	307
New construction	221	222	213	209	210	212
Petroleum refining	261	175	206	200	209	239
Fuel oil	235	157	185	179	188	215

Indirect Defense Purchases Resulting from Direct Expenditures

Petroleum refining	461	378	410	405	417	452
Wholesale trade	139	136	140	144	148	152
Other chemicals	137	132	135	136	137	139
Fuel oil	94	83	86	85	87	93
Crude petroleum	90	68	75	72	74	82

Maine Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,002	2,025	2,061	2,177	2,227	2,272
Indirect Defense Purchases Resulting from Direct	357	347	355	362	369	379
Indirect Defense Purchases Resulting from Direct Pay	379	373	368	365	365	368
Total Nondefense Expenditures	68,901	71,113	71,824	73,140	74,910	76,731
Total Output	71,607	73,826	74,608	76,045	77,872	79,750
Government Industry Compensation	727	715	700	694	693	695

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships and boats	999	1,053	1,095	1,216	1,261	1,289
Medical instruments and supplies	45	45	46	46	48	53
Metal products	40	41	41	43	43	43
New construction	32	33	32	33	33	33
Physicians	32	28	28	28	29	30

Indirect Defense Purchases Resulting from Direct Expenditures

Paper	65	62	63	63	64	65
Wholesale trade	43	42	43	44	45	47
Electronic components	29	30	31	32	33	34
Communications services	20	19	19	20	20	21
Aerospace	15	16	16	17	17	17

Maryland Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	12,362	12,091	12,126	12,211	12,315	12,505
Indirect Defense Purchases Resulting from Direct	4,150	4,081	4,162	4,256	4,363	4,485
Indirect Defense Purchases Resulting from Direct Pay	1,840	1,809	1,783	1,772	1,778	1,796
Total Nondefense Expenditures	339,406	350,740	355,682	362,924	372,104	381,634
Total Output	357,750	368,714	373,746	381,153	390,551	400,411
Government Industry Compensation	4,746	4,666	4,568	4,531	4,529	4,553

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	2,041	2,054	2,030	2,038	2,028	1,999
Metal products	975	1,029	1,088	1,161	1,176	1,180
Trucking, highway passenger transit	574	531	547	539	562	631
Computer and data processing	459	439	445	451	458	467
Aerospace	388	410	432	458	471	481

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	659	661	669	685	698	710
Computer and data processing	541	542	555	570	585	601
Other business services	414	415	424	434	444	454
Real estate and royalties	380	367	362	368	390	403
Automobile services	296	288	296	302	309	320

Massachusetts Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,421	8,414	8,470	8,585	8,643	8,668
Indirect Defense Purchases Resulting from Direct	3,242	3,199	3,268	3,336	3,391	3,458
Indirect Defense Purchases Resulting from Direct Pay	1,557	1,534	1,513	1,491	1,485	1,492
Total Nondefense Expenditures	367,471	381,574	386,628	394,625	405,475	417,196
Total Output	380,689	394,719	399,878	408,039	418,997	430,817
Government Industry Compensation	1,088	1,070	1,048	1,040	1,038	1,042

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	2,924	2,927	2,911	2,912	2,885	2,829
Aerospace	1,151	1,197	1,231	1,280	1,304	1,320
Communication equipment	706	728	743	767	792	792
Electronic components	405	417	427	449	461	467
Water transport	308	307	306	306	312	331

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	945	941	959	978	992	1,005
Wholesale trade	250	245	253	261	268	277
Computer and data processing	194	197	197	198	198	198
Communications services	127	123	129	133	137	142
Metal products	123	122	126	130	133	135

Michigan Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,558	2,498	2,511	2,522	2,537	2,568
Indirect Defense Purchases Resulting from Direct	3,428	3,350	3,451	3,555	3,629	3,717
Indirect Defense Purchases Resulting from Direct Pay	1,815	1,784	1,755	1,725	1,714	1,720
Total Nondefense Expenditures	601,125	617,734	615,608	632,669	650,894	668,050
Total Output	608,932	625,372	623,331	640,480	658,784	676,065
Government Industry Compensation	1,097	1,077	1,052	1,042	1,039	1,041

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Agriculture, construction, mining and oil field equipment	204	211	217	217	217	220
Metal products	145	148	152	158	159	160
Other transportation equipment	144	140	148	158	160	157
Professional services	133	133	132	131	130	128
Aerospace	84	88	91	96	98	100

Indirect Defense Purchases Resulting from Direct Expenditures

Metal products	549	547	566	590	606	621
Wholesale trade	308	300	307	315	321	329
Plastic products	250	246	253	260	265	271
Motor vehicle parts	189	180	192	207	213	214
Other chemicals	161	157	160	162	164	167

Minnesota Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,229	2,186	2,219	2,244	2,252	2,270
Indirect Defense Purchases Resulting from Direct	1,969	1,906	1,959	2,001	2,039	2,095
Indirect Defense Purchases Resulting from Direct Pay	1,159	1,155	1,157	1,156	1,166	1,189
Total Nondefense Expenditures	291,014	302,041	306,464	313,807	322,804	332,346
Total Output	296,379	307,296	311,808	319,220	328,273	337,911
Government Industry Compensation	513	507	500	497	497	499

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Metal products	693	713	732	755	752	746
Professional services	322	323	322	323	322	317
Aerospace	113	117	119	123	124	125
Other instruments	80	83	85	89	89	91
Other food products	128	82	98	95	100	115

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	231	227	235	242	249	257
Printing and publishing	150	146	148	150	152	154
Air transport	115	116	120	123	125	128
Metal products	113	111	114	118	120	122
Paper	112	108	110	111	112	115

Mississippi Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	3,846	3,896	3,950	4,150	4,241	4,325
Indirect Defense Purchases Resulting from Direct	1,357	1,307	1,345	1,373	1,404	1,451
Indirect Defense Purchases Resulting from Direct Pay	649	635	623	616	616	619
Total Nondefense Expenditures	138,204	142,011	143,153	145,632	148,895	152,425
Total Output	144,015	147,809	149,017	151,693	155,078	158,743
Government Industry Compensation	1,580	1,560	1,536	1,527	1,529	1,540

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Ships and boats	1,551	1,638	1,714	1,920	1,998	2,047
New construction	131	132	128	126	127	128
Aerospace	86	90	92	96	98	100
Computer and data processing	84	80	80	81	82	84
Apparel	65	65	67	67	69	76

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	288	288	294	302	310	317
Computer and data processing	100	98	100	102	105	108
Petroleum refining	90	74	80	80	84	91
Wholesale trade	70	68	70	71	72	74
Metal products	56	55	57	59	60	61

Missouri Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,514	8,698	8,939	9,249	9,399	9,541
Indirect Defense Purchases Resulting from Direct	2,717	2,661	2,745	2,803	2,839	2,903
Indirect Defense Purchases Resulting from Direct Pay	1,435	1,415	1,401	1,390	1,392	1,404
Total Nondefense Expenditures	352,921	364,092	367,001	375,076	385,108	395,262
Total Output	365,588	376,867	380,087	388,519	398,740	409,113
Government Industry Compensation	1,787	1,766	1,742	1,733	1,736	1,749

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	4,121	4,381	4,638	4,951	5,100	5,222
Professional services	1,365	1,367	1,359	1,360	1,348	1,324
New construction	170	171	164	162	162	164
Metal products	168	164	158	154	153	155
Agriculture, construction, mining and oil field equipment	141	137	141	141	143	147

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	441	440	448	457	464	470
Wholesale trade	229	223	229	235	239	245
Aerospace	192	201	211	217	221	223
Real estate and royalties	156	153	169	172	162	165
Metal products	148	148	153	159	163	166

Montana Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	454	440	439	438	442	449
Indirect Defense Purchases Resulting from Direct	256	241	250	254	260	270
Indirect Defense Purchases Resulting from Direct Pay	245	240	237	234	233	234
Total Nondefense Expenditures	39,624	40,802	41,146	41,794	42,691	43,685
Total Output	40,580	41,724	42,073	42,721	43,626	44,639
Government Industry Compensation	324	321	318	317	318	320

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	48	48	47	46	47	47
Wholesale trade	29	21	24	24	25	27
Electric utilities	14	13	13	13	14	14
Air transport	9	9	9	9	10	11
Professional services	5	5	5	5	5	5

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	28	27	28	28	29	29
Electric utilities	20	20	20	21	21	22
Petroleum refining	23	19	21	20	21	23
Metal mining	18	18	19	19	20	20
Primary nonferrous metals	15	15	15	15	15	16

Nebraska Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,306	1,260	1,263	1,261	1,271	1,293
Indirect Defense Purchases Resulting from Direct	850	826	847	864	881	904
Indirect Defense Purchases Resulting from Direct Pay	485	476	468	463	463	466
Total Nondefense Expenditures	104,050	107,404	108,549	110,700	113,361	116,124
Total Output	106,692	109,967	111,128	113,290	115,976	118,787
Government Industry Compensation	818	810	801	798	800	808

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Computer and data processing	103	99	101	103	105	107
Education, social services, membership organizations	55	55	54	54	53	52
Meat products	83	54	65	63	66	76
Professional services	47	47	47	47	48	48
New construction	38	38	37	37	38	38

Indirect Defense Purchases Resulting from Direct Expenditures

Computer and data processing	121	122	126	130	134	137
Federal and state and local government enterprises	100	97	97	98	99	100
Wholesale trade	77	75	77	78	80	82
Education, social services, membership organizations	50	49	50	51	51	52
Communications services	41	39	41	42	43	45

Nevada Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,200	1,188	1,176	1,174	1,178	1,187
Indirect Defense Purchases Resulting from Direct	465	454	467	479	491	507
Indirect Defense Purchases Resulting from Direct Pay	1,360	1,343	1,354	1,358	1,366	1,382
Total Nondefense Expenditures	123,174	128,546	131,468	134,823	138,808	143,083
Total Output	126,199	131,531	134,464	137,834	141,842	146,159
Government Industry Compensation	885	877	869	865	866	871

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	105	106	104	105	106	106
New construction	72	73	71	70	70	71
Metal products	42	41	40	40	40	41
Water and sanitary services	15	15	15	15	15	15
Air transport	11	11	11	11	11	12

Indirect Defense Purchases Resulting from Direct Expenditures

Metal mining	87	88	92	96	100	102
Wholesale trade	38	38	39	40	41	42
Professional services	34	34	34	35	37	38
Communications services	29	27	28	29	29	30
Other business services	27	27	28	28	29	30

New Hampshire Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,000	990	986	987	988	988
Indirect Defense Purchases Resulting from Direct	502	493	505	518	529	543
Indirect Defense Purchases Resulting from Direct Pay	302	297	294	291	291	293
Total Nondefense Expenditures	61,112	63,400	64,214	65,629	67,450	69,409
Total Output	62,914	65,179	65,998	67,424	69,258	71,232
Government Industry Compensation	300	296	292	290	290	290

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	136	137	135	135	134	131
Communication equipment	134	135	133	132	132	130
Search and navigation equipment	93	92	94	100	102	100
Computers	61	58	58	58	59	60
Communications services	54	53	52	51	49	48

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	44	44	44	45	46	47
Primary nonferrous metals	37	37	38	39	40	41
Wholesale trade	36	35	36	37	37	38
Electronic components	33	34	35	36	37	39
Automobile services	31	30	31	32	33	34

New Jersey Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	6,503	6,316	6,356	6,417	6,499	6,613
Indirect Defense Purchases Resulting from Direct	4,464	4,341	4,470	4,573	4,663	4,791
Indirect Defense Purchases Resulting from Direct Pay	2,055	2,023	2,001	1,980	1,978	1,992
Total Nondefense Expenditures	505,881	522,676	528,361	538,077	551,100	565,000
Total Output	518,905	535,359	541,192	551,050	564,245	578,401
Government Industry Compensation	2,028	1,990	1,943	1,924	1,920	1,928

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	1,578	1,612	1,637	1,698	1,734	1,726
Search and navigation equipment	465	459	472	503	511	505
Water transport	364	362	362	363	370	393
New construction	180	182	175	174	175	177
Communication equipment	148	152	155	159	164	164

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	596	596	610	628	644	659
Professional services	510	519	539	570	596	613
Wholesale trade	438	427	439	451	461	474
Real estate and royalties	328	318	333	339	337	346
Other chemicals	274	265	269	273	274	278

New Mexico Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	2,431	2,394	2,368	2,365	2,375	2,391
Indirect Defense Purchases Resulting from Direct	1,013	975	996	1,013	1,034	1,062
Indirect Defense Purchases Resulting from Direct Pay	603	592	585	584	586	592
Total Nondefense Expenditures	87,090	89,819	91,204	93,416	95,977	98,626
Total Output	91,138	93,780	95,154	97,378	99,971	102,672
Government Industry Compensation	1,390	1,372	1,351	1,343	1,344	1,352

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	458	458	450	445	438	430
New construction	115	117	113	113	113	114
Air transport	95	94	95	102	112	117
Trucking, highway passenger transit	57	58	60	61	63	65
Gas utilities	38	35	34	34	34	34

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	148	147	148	150	151	153
Other business services	104	104	106	109	112	114
Gas utilities	105	102	99	99	96	95
Electronic components	73	76	80	85	89	91
Real estate and royalties	74	72	71	72	76	79

New York Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,553	7,354	7,417	7,476	7,563	7,706
Indirect Defense Purchases Resulting from Direct	8,550	8,314	8,498	8,648	8,768	8,945
Indirect Defense Purchases Resulting from Direct Pay	4,006	3,949	3,890	3,823	3,804	3,821
Total Nondefense Expenditures	986,306	1,019,885	1,027,750	1,043,781	1,067,576	1,093,401
Total Output	1,006,419	1,039,506	1,047,558	1,063,732	1,087,716	1,113,878
Government Industry Compensation	2,198	2,173	2,144	2,134	2,140	2,159

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	839	845	845	855	856	844
Aerospace	679	707	729	759	773	783
Air transport	558	556	555	553	565	589
Search and navigation equipment	503	497	510	544	553	546
Metal products	338	330	329	333	334	336

Indirect Defense Purchases Resulting from Direct Expenditures

Advertising	3,194	3,116	3,185	3,236	3,270	3,325
Wholesale trade	694	675	692	709	723	741
Printing and publishing	406	394	399	403	405	410
Communications services	352	334	342	346	352	362
Professional services	271	272	279	287	294	300

North Carolina Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	8,071	7,869	7,862	7,838	7,922	8,152
Indirect Defense Purchases Resulting from Direct	3,512	3,434	3,534	3,620	3,703	3,827
Indirect Defense Purchases Resulting from Direct Pay	2,302	2,268	2,243	2,234	2,246	2,274
Total Nondefense Expenditures	459,592	476,876	482,588	494,058	508,332	523,146
Total Output	473,488	490,458	496,238	507,766	522,219	537,414
Government Industry Compensation	5,060	5,022	4,982	4,969	4,994	5,051

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Trucking, highway passenger transit	943	868	896	883	924	1,043
New construction	413	419	407	407	410	413
Professional services	207	207	203	202	200	198
Wholesale trade	229	203	208	204	203	207
Water transport	106	106	105	105	107	114

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	284	279	289	298	306	317
Textiles and knitting	263	256	265	268	275	293
Federal and state and local government enterprises	169	164	164	165	166	168
Other business services	163	163	166	171	175	179
Primary nonferrous metals	150	152	156	162	165	169

North Dakota Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	640	629	625	625	632	645
Indirect Defense Purchases Resulting from Direct	306	297	305	312	319	329
Indirect Defense Purchases Resulting from Direct Pay	236	232	230	228	229	231
Total Nondefense Expenditures	35,837	36,980	37,396	38,120	39,002	39,938
Total Output	37,020	38,138	38,556	39,285	40,181	41,142
Government Industry Compensation	433	430	427	427	429	435

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	64	65	63	63	63	63
Electric utilities	48	45	46	46	47	49
Trucking, highway passenger transit	21	20	20	20	21	24
Other business services	13	13	13	13	13	13
Professional services	9	9	8	8	8	8

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	77	77	78	80	82	85
Electric utilities	69	67	69	71	72	74
Wholesale trade	31	30	31	31	32	33
Communications services	14	13	13	14	14	15
Trucking, highway passenger transit	11	11	11	12	12	13

Ohio Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,003	6,707	6,728	6,719	6,754	6,860
Indirect Defense Purchases Resulting from Direct	6,539	6,363	6,536	6,684	6,790	6,946
Indirect Defense Purchases Resulting from Direct Pay	2,534	2,490	2,450	2,417	2,407	2,418
Total Nondefense Expenditures	709,495	732,068	737,908	754,207	774,023	794,211
Total Output	725,575	747,631	753,625	770,031	789,978	810,439
Government Industry Compensation	2,952	2,896	2,828	2,801	2,794	2,803

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	920	918	902	893	877	859
Aerospace	881	909	922	948	961	968
Other food products	425	273	327	316	332	383
Computer and data processing	266	254	260	264	270	275
New construction	154	156	150	149	149	151

Indirect Defense Purchases Resulting from Direct Expenditures

Metal products	510	506	520	539	549	559
Real estate and royalties	493	478	497	506	507	520
Primary ferrous metals	447	441	446	457	458	459
Wholesale trade	433	421	430	439	446	455
Other business services	350	349	360	377	388	396

Oklahoma Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,259	4,122	4,116	4,111	4,148	4,229
Indirect Defense Purchases Resulting from Direct	1,810	1,732	1,790	1,826	1,869	1,935
Indirect Defense Purchases Resulting from Direct Pay	1,083	1,063	1,046	1,038	1,041	1,050
Total Nondefense Expenditures	184,569	190,200	192,395	196,337	201,241	206,401
Total Output	191,724	197,119	199,350	203,315	208,302	213,618
Government Industry Compensation	2,903	2,863	2,816	2,798	2,802	2,824

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	246	258	268	282	289	295
Air transport	196	195	195	195	200	211
Professional services	157	161	162	168	172	171
New construction	150	152	147	147	148	149
Petroleum refining	138	92	108	105	110	126

Indirect Defense Purchases Resulting from Direct Expenditures

Other business services	222	222	227	233	239	245
Automobile services	206	201	207	211	216	224
Gas utilities	110	103	105	105	106	107
Petroleum refining	121	99	108	108	112	122
Wholesale trade	100	98	101	103	106	109

Oregon Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,179	1,152	1,159	1,172	1,176	1,186
Indirect Defense Purchases Resulting from Direct	1,472	1,437	1,512	1,547	1,546	1,590
Indirect Defense Purchases Resulting from Direct Pay	753	742	734	726	725	730
Total Nondefense Expenditures	185,791	192,388	194,870	199,133	204,477	210,054
Total Output	189,202	195,725	198,282	202,588	207,934	213,569
Government Industry Compensation	650	642	631	627	626	626

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Motor vehicles	173	166	181	202	211	210
Water and sanitary services	75	74	71	70	69	70
New construction	40	40	38	38	38	38
Real estate and royalties	40	40	44	44	39	39
Agriculture, construction, mining and oil field equipment	29	29	29	29	29	30

Indirect Defense Purchases Resulting from Direct Expenditures

Real estate and royalties	352	345	385	392	365	371
Electronic components	137	142	149	158	165	171
Wholesale trade	133	130	135	139	143	147
Primary nonferrous metals	74	75	76	79	80	80
Lumber	57	55	56	57	57	58

Pennsylvania Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	7,547	7,260	7,234	7,198	7,219	7,316
Indirect Defense Purchases Resulting from Direct	10,872	10,597	10,896	11,101	11,269	11,581
Indirect Defense Purchases Resulting from Direct Pay	2,817	2,776	2,740	2,706	2,702	2,721
Total Nondefense Expenditures	687,782	709,286	715,332	728,055	745,100	762,973
Total Output	709,021	729,921	736,203	749,061	766,291	784,593
Government Industry Compensation	2,996	2,936	2,862	2,832	2,823	2,828

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Metal products	846	827	823	832	834	836
Professional services	672	674	666	664	658	647
Aerospace	359	371	377	388	393	396
Finance and insurance	279	245	254	253	261	275
New construction	178	180	173	172	172	174

Indirect Defense Purchases Resulting from Direct Expenditures

Finance and insurance	5,037	4,934	5,057	5,158	5,271	5,441
Real estate and royalties	584	570	618	629	603	616
Primary ferrous metals	429	422	426	435	436	437
Wholesale trade	425	415	426	438	448	460
Metal products	301	299	308	319	326	332

Rhode Island Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,028	1,016	999	997	998	1,004
Indirect Defense Purchases Resulting from Direct	385	379	386	394	401	409
Indirect Defense Purchases Resulting from Direct Pay	298	292	287	284	284	286
Total Nondefense Expenditures	55,686	57,380	57,839	58,778	60,115	61,492
Total Output	57,398	59,068	59,513	60,456	61,800	63,194
Government Industry Compensation	643	632	619	614	614	618

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	156	158	156	157	158	156
New construction	56	57	55	56	56	56
Electronic components	41	42	42	44	45	45
Search and navigation equipment	22	22	21	21	21	20
Medical instruments and supplies	18	18	19	19	19	19

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	51	51	51	53	54	56
Other business services	36	36	36	37	38	39
Primary nonferrous metals	35	35	35	36	36	37
Wholesale trade	33	32	33	34	34	35
Metal products	24	24	25	25	26	26

South Carolina Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,246	4,196	4,191	4,209	4,242	4,303
Indirect Defense Purchases Resulting from Direct	2,388	2,334	2,392	2,444	2,497	2,575
Indirect Defense Purchases Resulting from Direct Pay	1,188	1,167	1,150	1,142	1,145	1,155
Total Nondefense Expenditures	208,496	216,086	219,183	224,369	230,736	237,440
Total Output	216,323	223,787	226,920	232,172	238,626	245,479
Government Industry Compensation	2,809	2,784	2,758	2,748	2,758	2,783

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	221	223	215	213	214	216
Professional services	216	219	214	216	217	216
Aerospace	195	207	219	233	241	247
Metal products	192	202	213	228	231	232
Education, social services, membership organizations	65	66	64	64	63	62

Indirect Defense Purchases Resulting from Direct Expenditures

Finance and insurance	496	486	498	508	519	536
Other chemicals	153	150	155	160	164	168
Textiles and knitting	130	127	131	132	136	145
Federal and state and local government enterprises	119	115	116	116	117	118
Wholesale trade	102	99	102	105	107	109

South Dakota Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	394	385	383	382	385	390
Indirect Defense Purchases Resulting from Direct	253	246	254	260	266	274
Indirect Defense Purchases Resulting from Direct Pay	218	215	213	211	212	214
Total Nondefense Expenditures	39,659	41,060	41,507	42,475	43,635	44,817
Total Output	40,523	41,906	42,356	43,328	44,498	45,695
Government Industry Compensation	279	276	273	272	273	275

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Computers	43	41	41	41	42	42
New construction	20	20	20	20	20	20
Professional services	12	12	12	12	13	13
Electric utilities	8	8	8	8	8	8
Gas utilities	7	6	6	6	6	7

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	28	28	28	29	29	30
Electronic components	21	22	23	24	25	26
Other business services	20	20	20	21	21	22
Gas utilities	19	18	18	18	18	19
Communications services	14	14	15	15	16	17

Tennessee Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	4,070	3,982	3,980	3,958	4,001	4,126
Indirect Defense Purchases Resulting from Direct	2,348	2,286	2,347	2,399	2,446	2,513
Indirect Defense Purchases Resulting from Direct Pay	1,236	1,219	1,203	1,193	1,194	1,205
Total Nondefense Expenditures	330,757	342,966	346,137	355,586	366,623	377,941
Total Output	338,427	350,467	353,684	363,160	374,289	385,810
Government Industry Compensation	1,291	1,275	1,256	1,248	1,246	1,248

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Air transport	1,181	1,175	1,175	1,176	1,208	1,271
Professional services	556	553	544	536	525	513
Apparel	331	329	341	341	351	386
Metal products	112	109	105	102	102	103
New construction	75	76	73	73	73	74

Indirect Defense Purchases Resulting from Direct Expenditures

Wholesale trade	209	205	211	216	221	228
Professional services	180	178	179	180	181	182
Metal products	171	170	175	182	185	189
Other chemicals	131	128	131	133	135	137
Primary nonferrous metals	124	124	126	129	131	133

Texas Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	23,961	22,987	23,397	23,636	23,945	24,456
Indirect Defense Purchases Resulting from Direct	11,319	10,880	11,242	11,483	11,778	12,192
Indirect Defense Purchases Resulting from Direct Pay	5,416	5,324	5,248	5,208	5,223	5,275
Total Nondefense Expenditures	1,081,938	1,117,825	1,132,710	1,155,575	1,185,840	1,218,221
Total Output	1,122,637	1,157,020	1,172,599	1,195,907	1,226,791	1,260,148
Government Industry Compensation	10,486	10,377	10,253	10,207	10,230	10,309

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Aerospace	2,827	2,947	3,036	3,166	3,229	3,273
Professional services	2,182	2,187	2,171	2,172	2,155	2,118
Motor vehicles	1,176	1,127	1,247	1,417	1,480	1,476
Petroleum refining	1,205	806	949	920	965	1,103
Fuel oil	1,080	724	851	825	865	989

Indirect Defense Purchases Resulting from Direct Expenditures

Petroleum refining	1,015	829	901	895	925	1,005
Other business services	823	823	841	863	885	908
Professional services	705	703	715	730	741	752
Wholesale trade	695	678	697	715	730	749
Real estate and royalties	668	644	635	646	685	707

Utah Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,981	1,941	1,916	1,911	1,915	1,928
Indirect Defense Purchases Resulting from Direct	1,190	1,153	1,186	1,210	1,237	1,276
Indirect Defense Purchases Resulting from Direct Pay	599	588	579	573	572	576
Total Nondefense Expenditures	122,089	126,002	127,660	130,109	133,312	136,824
Total Output	125,860	129,685	131,341	133,804	137,037	140,605
Government Industry Compensation	1,283	1,259	1,228	1,217	1,214	1,219

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	237	239	238	240	240	237
New construction	59	60	58	59	59	59
Aerospace	54	56	58	60	61	62
Electric utilities	33	31	31	31	32	33
Water and sanitary services	25	24	24	24	24	25

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	105	106	110	112	114	117
Other business services	93	93	95	98	100	103
Professional services	76	77	78	81	83	84
Wholesale trade	74	72	75	77	79	81
Primary nonferrous metals	51	51	53	55	56	57

Vermont Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	324	322	321	324	324	324
Indirect Defense Purchases Resulting from Direct	247	242	249	255	261	268
Indirect Defense Purchases Resulting from Direct Pay	161	159	158	157	157	159
Total Nondefense Expenditures	31,033	32,259	32,785	33,579	34,600	35,699
Total Output	31,766	32,983	33,514	34,317	35,343	36,451
Government Industry Compensation	114	112	111	110	110	111

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	74	74	72	71	70	68
Metal products	63	62	63	64	64	65
Search and navigation equipment	35	34	36	39	39	39
Aerospace	7	8	8	8	8	9
Electronic components	8	8	8	8	9	9

Indirect Defense Purchases Resulting from Direct Expenditures

Electronic components	62	63	65	69	71	73
Professional services	24	24	24	24	24	24
Wholesale trade	20	19	20	21	21	22
Printing and publishing	14	13	14	14	14	14
Aerospace	13	13	14	14	14	15

Virginia Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	30,888	30,198	30,142	30,317	30,557	31,006
Indirect Defense Purchases Resulting from Direct	9,756	9,639	9,822	10,020	10,205	10,454
Indirect Defense Purchases Resulting from Direct Pay	3,950	3,868	3,798	3,779	3,791	3,824
Total Nondefense Expenditures	512,487	529,508	536,024	546,395	559,802	573,592
Total Output	557,041	573,175	579,734	590,435	604,277	618,797
Government Industry Compensation	13,877	13,682	13,448	13,361	13,377	13,475

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	5,239	5,279	5,199	5,215	5,194	5,130
Computer and data processing	2,279	2,170	2,176	2,182	2,205	2,239
Ships and boats	1,567	1,653	1,727	1,930	2,007	2,055
Air transport	1,325	1,318	1,319	1,319	1,356	1,426
Communications services	1,171	918	999	988	1,021	1,106

Indirect Defense Purchases Resulting from Direct Expenditures

Computer and data processing	2,687	2,678	2,711	2,758	2,814	2,878
Professional services	1,693	1,698	1,714	1,752	1,787	1,822
Real estate and royalties	1,027	996	1,029	1,047	1,057	1,085
Other business services	979	980	1,002	1,027	1,053	1,079
Advertising	485	473	483	492	498	507

Washington Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	9,495	9,220	9,260	9,289	9,372	9,515
Indirect Defense Purchases Resulting from Direct	3,788	3,715	3,816	3,905	3,993	4,103
Indirect Defense Purchases Resulting from Direct Pay	1,958	1,923	1,893	1,880	1,884	1,900
Total Nondefense Expenditures	351,364	362,887	367,989	375,311	385,341	395,618
Total Output	366,616	377,756	382,971	390,405	400,609	411,154
Government Industry Compensation	4,841	4,785	4,718	4,694	4,704	4,741

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	936	943	942	951	951	938
Aerospace	552	559	560	562	558	552
Communication equipment	517	540	565	593	621	624
New construction	323	328	318	319	321	323
Computers	232	230	227	243	249	251

Indirect Defense Purchases Resulting from Direct Expenditures

Aerospace	798	816	844	875	896	915
Other business services	480	480	491	504	517	530
Professional services	302	303	310	320	327	333
Federal and state and local government enterprises	243	235	236	237	238	241
Wholesale trade	225	220	227	234	240	247

West Virginia Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	501	488	482	478	479	484
Indirect Defense Purchases Resulting from Direct	690	667	684	697	710	728
Indirect Defense Purchases Resulting from Direct Pay	364	358	354	350	349	352
Total Nondefense Expenditures	88,884	91,488	92,338	93,904	96,047	98,386
Total Output	90,438	93,002	93,857	95,429	97,585	99,950
Government Industry Compensation	314	310	305	303	302	303

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

New construction	68	68	65	63	64	65
Professional services	33	32	32	31	31	31
Aerospace	24	24	24	24	24	24
Wholesale trade	15	11	12	12	12	14
Computer and data processing	8	8	8	8	8	8

Indirect Defense Purchases Resulting from Direct Expenditures

Coal mining	99	94	96	96	98	100
Primary ferrous metals	75	75	76	79	79	80
Other chemicals	61	60	61	62	62	63
Primary nonferrous metals	48	48	50	51	52	53
Plastics and synthetics	44	44	45	46	47	49

Wisconsin Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	1,937	1,853	1,906	1,945	1,974	2,015
Indirect Defense Purchases Resulting from Direct	3,372	3,281	3,363	3,434	3,497	3,591
Indirect Defense Purchases Resulting from Direct Pay	1,136	1,125	1,116	1,106	1,107	1,119
Total Nondefense Expenditures	327,868	339,407	342,696	350,662	360,450	370,927
Total Output	334,317	345,671	349,085	357,153	367,034	377,658
Government Industry Compensation	467	462	456	453	453	455

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Motor vehicles	412	395	424	470	487	486
Agriculture, construction, mining and oil field equipment	340	351	358	357	358	363
Automobile services	91	89	89	89	91	95
Other food products	113	72	87	84	88	102
Apparel	45	45	47	47	48	53

Indirect Defense Purchases Resulting from Direct Expenditures

Automobile services	621	606	621	633	645	664
Finance and insurance	559	548	561	573	585	604
Metal products	223	220	226	233	237	240
Wholesale trade	202	198	204	210	216	222
Paper	195	187	191	194	196	201

Wyoming Summary
(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	513	484	491	487	497	524
Indirect Defense Purchases Resulting from Direct	352	306	323	322	329	348
Indirect Defense Purchases Resulting from Direct Pay	161	158	157	156	156	158
Total Nondefense Expenditures	29,427	30,082	30,414	30,848	31,412	32,107
Total Output	30,454	31,031	31,385	31,813	32,395	33,137
Government Industry Compensation	258	256	254	253	254	257

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Railroads	138	129	133	131	137	154
New construction	32	32	31	31	31	31
Petroleum refining	25	17	20	19	20	23
Fuel oil	23	15	18	18	18	21
Professional services	7	7	7	7	7	7

Indirect Defense Purchases Resulting from Direct Expenditures

Crude petroleum	115	86	94	91	94	102
Petroleum refining	41	33	36	36	38	41
Natural gas extraction	29	26	26	26	26	26
Coal mining	26	25	26	26	27	28
Other business services	12	12	13	13	13	14

Entire United States Summary

(Rounded to millions of 2001 dollars)

	2000	2001	2002	2003	2004	2005
AGGREGATE MEASURES						
Total Direct Expenditures (Purchases and Pay)	294,441	288,933	290,147	292,530	295,099	299,384
Indirect Defense Purchases Resulting from Direct	150,005	146,059	150,005	153,209	156,252	160,594
Indirect Defense Purchases Resulting from Direct Pay	75,723	74,521	73,556	72,920	72,991	73,623
Total Nondefense Expenditures	15,846,553	16,379,470	16,559,220	16,902,149	17,342,704	17,804,715
Total Output	16,366,722	16,888,983	17,072,929	17,420,808	17,867,045	18,338,317
Government Industry Compensation	125,898	124,332	122,489	121,800	121,982	122,857

LARGEST PURCHASES BY INDUSTRIAL SECTORS

Total Direct Expenditures (Purchases and Pay)

Professional services	36,665	36,854	36,502	36,619	36,434	35,898
Aerospace	27,271	28,424	29,356	30,607	31,157	31,542
New construction	9,002	9,124	8,817	8,783	8,832	8,897
Ships and boats	8,233	8,620	8,989	10,023	10,387	10,611
Communication equipment	6,315	6,471	6,553	6,709	6,868	6,854

Indirect Defense Purchases Resulting from Direct Expenditures

Professional services	11,846	11,853	12,030	12,305	12,532	12,751
Other business services	9,740	9,742	9,963	10,248	10,502	10,747
Wholesale trade	9,822	9,596	9,878	10,153	10,384	10,680
Finance and insurance	8,420	8,247	8,439	8,596	8,777	9,054
Real estate and royalties	7,964	7,714	7,902	8,040	8,189	8,418

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 Construction	1500	8	Maintenance Construction
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 39996		
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		
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. 28195	23	Other Chemicals
96	Industrial Organic Chemicals	2865 2869		
97	Gum and Wood Chemicals	2861		
98	Agricultural Chemicals	2873 2874 2875 2879		
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		
103	Synthetic Rubber	2822		
104	Cellulosic Man-Made Fibers	2823		
105	Synthetic Organic Fibers, Except Cellulosic	2824	21	Plastics and Synthetics
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		
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 Mills	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 Equipment		
168	Garden Tractors and Lawn and Garden Equipment	3524				
169	Construction Machinery and Equipment	3531				
170	Mining Machinery and Equipment, Except Oil and Gas Machinery	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 Equipment	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 Equipment	3555				
186	Special Industrial Machinery, n.e.c.	3559				
187	Pumps and Compressors	3561 3563	39	General and Miscellaneous Industrial Machinery		
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 Machinery		
192	Mechanical Power Transmission Equipment	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 Machines	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 Controls	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:

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