# ARCHIVED REPORT

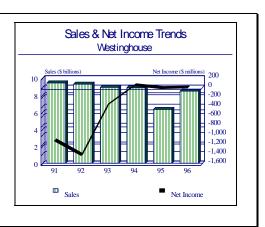
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# Westinghouse - Archived 7/99

### **Outlook**

- Westinghouse Electric Corporation changed its name to CBS Corporation, changed its former plans to spin-off the industrial company, and is now divesting the operations
- Energy Systems and Government Operations are expected to be divested from the media company by mid-1998
- With Westinghouse basically no longer existing as a corporate entity, this will be the final update of this report



### **Headquarters**

Westinghouse Building 11 Stanwick St Pittsburgh, PA 15222-1384 Telephone: (412) 244-2000

Investor Relations: (412) 642-3129 Web Site: http://www.westinghouse.com

Founded in 1886, Westinghouse has evolved from its original electrical base into a diversified and global corporation with strong businesses in several major industries. The company has operated since 1889 under a Commonwealth of Pennsylvania charter granted in 1872. The company has experience in a diverse business base that includes electrical equipment, broadcasting, electrical distribution, and electronics systems. This varied business base has served the company well through its history.

In terms of defense and aerospace electronics systems credentials, Westinghouse radars date back to the World War II period when the company provided a combined search and navigation radar for the Dauntless and Avenger torpedo bombers. In addition, Westinghouse provided the rendezvous radar for the Gemini program and became one of the first companies to build space operational radar hardware. The company produced a series of nearly 4,000 radars for the F-4 Phantom aircraft, completing one of the world's largest radar production programs. Other notable aircraft radar

programs included the B-47, F-101, AWACS, B-52, B-1 and F-16.

In January 1996, Westinghouse sold its defense and electronics systems business to Northrop Grumman. Westinghouse decided to sell the electronics unit in order to reduce debt associated with its \$5.4 billion takeover of the CBS television network.. The deal was completed in March 1996.

Following this divestiture Westinghouse announced in late 1996 that it would spin off its \$4.6 billion industrial business to shareholders, forming a new publicly held company to be called Westinghouse Electric Company. The old Westinghouse Electric Corporation changed its name to CBS Corporation as of December 1, 1997.

However, in light of consolidation in the power industry, the corporation considered offers by various parties to acquire certain of the Westinghouse Electric Co businesses. In November 1997, the corporation announced a definitive agreement to sell its Power Generation business for \$1.525 billion in cash. The remaining industrial businesses, consisting primarily of Energy Systems and Government Operations, are expected to be divested in 1998.

As of March 1998 CBS employed 51,000 people of which an estimated 37,800 are part of Westinghouse Electric Co. The company auditors are Price

Waterhouse and its stock is traded on most US exchanges under the symbol "WX."

### **Structure and Personnel**

#### As of 6/97:

#### **Corporate Management**

Michael H. Jordan

Chairman of the Board and CEO

Gary M. Clark

Vice Chairman and President

John D. Bergen

Senior Vice President, Corporate Relations

Louis J. Briskman

Senior Vice President & General Counsel

Frederick G. Reynolds

Executive Vice President & Chief Financial Officer

David Zemelman

Senior Vice President, Human Resources

### **Industries And Technology Group**

Francis J. Harvey

Executive Vice President & Chief Operating Officer Joseph J. Colosimo

Senior Vice President, Human Resources

Joseph T. Doyle

Senior Vice President, Finance

James L. Gallagher

President, Westinghouse Government

& Environmental Services Co

Jeffrey R. Gwinnell

Vice President, Strategic Management

Aristides Melissaratos

Vice President, Science, Technology & Quality

Charles W. Pryor, Jr

President, Energy Systems

Kevin J. Ramundo

Vice President, Communications

James F. Watson

President, Thermo King Corporation

Randy H. Zwirn

President, Power Generation

The company also has a corporate management staff consisting of nine vice presidents.

### **Product Area**

As a part of an ongoing restructuring following the acquisition of CBS in November 1995 Westinghouse dramatically redefined its operations. Under a plan announced in November 1996, the company planned to spin off its Industries and Technology Group into a new company, Westinghouse Electric Company. Also as part of this plan, the Westinghouse/CBS Group will be renamed the CBS Corporation. However in late 1997 this plan was altered and now the company intends to sell off all the operations of the Westinghouse Electric Co.

The company is now managed as follows:

- A. (CBS Corporation)
- 1. Westinghouse/CBS Group
- 1.1 CBS Network
- 1.2 CBS Entertainment
- 1.3 CBS Station Group
- 1.4 CBS Production and Distribution
- 1.5 Group W Satellite Communications
- B. (Westinghouse Electric Company)
- 2. Industries and Technology Group
- 2.1 Power Systems (sold to Siemens 11/97)
- 2.1.1 Energy Systems

2.1.2 Power Generation

2.2 Thermo King (sold to Ingersoll 10/97)

2.3 Government Operations

**Power Systems.** The firm's Power Generation unit provides power generation products, systems, plants and services. The group serves the utility electrical transmission and distribution market through a Westinghouse joint venture with ASEA Brown Boveri (ABB). Through its Energy Systems operation this group provides services for operating nuclear power plants worldwide.

**Thermo King.** Thermo King provides transport refrigeration equipment for trucks, trailers and seagoing containers.

Government Operations. This group is engaged in waste management, Amazon River monitoring and control, GOCO operations, industrial services, and the production of large industrial motors. This operation also handles the management of certain government-owned facilities and the US Naval nuclear reactors programs. Following the divestiture of its Electronic Systems operations, the majority of Westinghouse's defense work is carried out by this division.

### **Facilities**

Westinghouse Electric Company, 11 Stanwick St, Pittsburgh, PA 15222-1384. Telephone: (412) 244-2000. This location is the current headquarters for the new Westinghouse Company.

Westinghouse Government Operations, Westinghouse Energy Center, PO Box 355, Pittsburgh, PA. (412) 374-4111. Department of Energy sites managed by Westinghouse Government Operations: Savannah River Site; West Valley Demonstration Project Buffalo, New York; Waste Isolation Pilot Plant Carlsbad, New Mexico; Rocky Flats Site Denver, Colorado. US Navy sites managed by Westinghouse Government Operations include Bettis Atomic Power Laboratory

Pittsburgh, Pennsylvania; Plant Apparatus Division Pittsburgh; and Machinery Apparatus Operation in Schenectady, New York.

Westinghouse Power Generation, The Quadrangle, 4400 Alafaya Trail, Orlando, FL 32826-2399. (407) 281-2000. Web Site: http://www.pwrgen.westinghouse.com. Sold to Siemens in November 1997 for \$1.52 billion in cash.

Thermo King Corporation, 314 West 90th Street, Bloomington, MN 55420. Sold to Ingersoll-Rand in October 1997 for \$2.56 billion in cash.

### **Corporate Overview**

Following a series of recent divestitures and a name change to CBS, the company now operates in key sector, Media.

#### **New Products and Services**

No recent defense or aerospace programs have been announced by CBS/Westinghouse.

### **Plant Expansion/Organization Update**

Government Operations Consolidated. In February 1994, Westinghouse combined all operations involving nuclear energy and environmental work into the Westinghouse Government and Environmental Services Co. Grouping all of the operations that used government contracting, accounting, and management practices into one cost center was the motivation for the move, Westinghouse said.

1994 Restructuring. In January 1994, new chairman and CEO Michael Jordan launched another restructuring program for Westinghouse. This latest program will result in a \$750 charge to the company to cover the costs of consolidation and layoffs of about 6,000 workers over the next two years. The Electronics Group, Westinghouse's primary defense-related segment, was not part of this restructuring effort.

1992 Restructuring. In an effort to refocus the company financial and strategic objectives, Westinghouse undertook a major restructuring in November 1992. The comprehensive plan for the company divests its non-strategic operations, including the debt-plagued financial services unit, and focus on five key areas. The five core businesses are: **Electronic Systems** - airborne and ground surveillance radar, defense systems,

emerging commercial electronic applications; **Environmental Systems** - services for handling and disposing toxic, chemical and nuclear waste; **Power Systems** - design, manufacture, installation and service of fossil and nuclear power generation equipment and systems; **Thermo King Corp** - transport temperature control systems for trucks, ships, buses and rail cars; and, **Westinghouse Broadcasting Co** - owns television and radio stations.

#### **Mergers/Acquisitions/Divestitures**

Spin Off Canceled, Units To Be Divested. In November 1997, Westinghouse Electric Corporation announced that it had signed a definitive agreement to sell its Power Generation business unit to Siemens, for \$1.525 billion in cash. The transaction, which is subject to certain conditions, including completion of Hart-Scott-Rodino review, is expected to close by the end of the third quarter of 1998. The remaining industrial businesses are expected to be divested from the media company by mid-1998. The company also announced that the Westinghouse Electric Corporation will be renamed the CBS Corporation and trade under the "CBS" ticker symbol, effective December 1, 1997.

Commenting on the change to the company's former plans to spin-off the industrial company by year's end, Michael H. Jordan, Westinghouse chairman and chief executive officer, said, "Consolidation and change in the global power industry have created a strong demand for Westinghouse's power generation business. This revision to our plan will deliver more overall value to our shareholders and supports the interests of our power generation customers by ensuring a stronger and more competitive supplier."



The remaining industrial businesses -- Energy Systems, Process Control and Government Operations -- will report to Dr. Charles W. Pryor, Jr., currently head of the Energy Systems business unit. He will assume the position of President and Chief Executive Officer of the Westinghouse Electric Company (WELCO), reporting to Mr. Jordan. The formerly designated senior management team for the industrial spin-off will phase out and the Pittsburgh Gateway headquarters will continue to support the remaining industrial businesses during the transition and serve as an extension of the CBS corporate center.

Thermo King Sold to Ingersoll-Rand. In October 1997, Westinghouse Electric Corporation announced that it completed its sale of Thermo-King, manufacturer of transport temperature control systems, to Ingersoll-Randfor \$2.56 billion in cash.

Westinghouse Announces Spin-Off. In November 1996, Westinghouse Electric Corporation announced that its Board of Directors approved a plan to separate its \$4.6 billion industrial business by way of a tax-free spin-off to shareholders, forming a new publicly-traded company to be called Westinghouse Electric Company (WELCO). It also plans a public offering by Thermo King of up to 20 percent of the stock of Thermo King, its transport temperature control company, which will become a majority-owned subsidiary of WELCO.

The New Westinghouse Electric Company will consist of four business units, each with significant market positions and strong technology leadership in its respective industries: Thermo King, Power Generation, Energy Systems and Government Operations. Headquarters for WELCO will be Pittsburgh, Pennsylvania, the current home of Westinghouse Electric Corporation.

The remaining business of Westinghouse Electric Corporation will consist of its \$4.2 billion broadcasting company - named CBS Corporation - which has major holdings in radio, television broadcasting and syndication, and cable. The broadcasting company will be headquartered in New York. After the spin-off, each company will have its own board of directors, officers, and publicly-traded stock.

Concurrent with the separation plans, Westinghouse announced that it is divesting its Security Systems businesses and restructuring its Pittsburgh corporate headquarters and other industrial businesses to significantly reduce WELCO's overhead and operating costs. The staffs of the corporate and industrial group headquarters and a number of administrative functions in the business units will be consolidated. Several operations and processes in the Energy Systems business unit have also been reengineered to improve

productivity and to address changing market conditions in the power industry. Total personnel reductions will be approximately 1100, about five percent of WELCO's workforce, excluding its government operations employees. A one-time restructuring charge of approximately \$125 million will be taken in the 4th quarter to cover severance and related costs.

Westinghouse Airship Sold To London Wall. In April 1996, Westinghouse sold its Airship subsidiary to UK investor group London Wall. Details of the transaction were not announced.

Defense Operations Sold to Northrop Grumman. In January 1996, Northrop Grumman signed a definitive agreement to acquire the defense and electronics systems business of the Westinghouse for \$3 billion in cash and the assumption of an estimated \$600 million responsibility for the unfunded pension liability and other post-retirement benefits for the active employees of the acquired business. Westinghouse decided to sell the electronics unit in order to reduce debt associated with its \$5.4 billion takeover of the CBS television network.. The deal was completed in March 1996.

The Westinghouse Electronic Systems Group is a leading supplier of defense electronics systems. It employs nearly 12,000 worldwide at 15 operating locations, primarily in the United States. The business had approximately \$2.5 billion in sales in 1995, and has \$3.8 billion in fully funded long-term contracts with federal agencies and international customers. This is in addition to another projected \$4 billion in follow-on contracts from its existing installed base of electronics systems. Northrop Grumman estimates the deal, considering growth potential, could boost revenues to more than \$10 billion by the turn of the century.

<u>Landmark GIS Sold</u>. In January 1996, Westinghouse sold its Landmark GIS Inc subsidiary to DCX Inc for \$2.4 million. Landmark GIS is one of US' largest digital mapping companies.

Westinghouse Sells Knoll Group. In December 1995, Westinghouse announced that it has signed a definitive agreement to sell the Knoll Group, its office furnishings unit, to Warburg, Pincus Ventures, L.P., an affiliate of E.M. Warburg, Pincus & Company, a New York-based financial services organization. The sale for \$565 million in cash was completed in March 1996.

<u>CBS Acquired</u>. In August 1995, Westinghouse Electric Corporation and CBS Inc. announced that Westinghouse has agreed to acquire CBS. By adding CBS to Westinghouse's existing media operations, the acquisition will create a broadcasting organization of unparalleled geographic scope, owning television and radio station groups each reaching approximately one-

third of US households. Under the terms of the agreement, Westinghouse acquired all of the outstanding shares of CBS for \$81 per share in cash plus certain additional limited consideration depending on the timing of the closing. The value of the transaction totaled approximately \$5.4 billion. Chemical Bank and JP Morgan have each committed to lend \$1 billion and have agreed to arrange the remainder of the financing. Westinghouse received the necessary FCC approvals and completed the transaction in November 1995.

### **Teaming/Competition/Joint Ventures**

**Rolls-Royce.** These companies are teamed for the US Navy's ICR gas turbine power plant system. The ICR system is intended for future naval vessels, or for retrofitting into existing vessels. In addition, these two

companies have teamed up to offer an industrial version of the Rolls-Royce Trent 800 large turbofan engine being developed for the Boeing 777. The joint venture is located in Canada where Rolls-Royce already has a substantial aero-engine operation. The industrial power version of the Trent is capable of generating 50 megawatts of power, and is seen as an ideal solution for electricity-generation authorities looking for new power sources that can be started up quickly to meet peak demand needs.

**FiatAvio.** FiatAvio license-produces a number of Westinghouse designs, including the W501 under the designation TG.50. Fiat has offered the TG.50 in combined-cycle plant arrangements. Fiat is also a participant in W191 production. Over 280 machines in the W191/CW191 series were built, including 20 machines for mechanical drive duty.

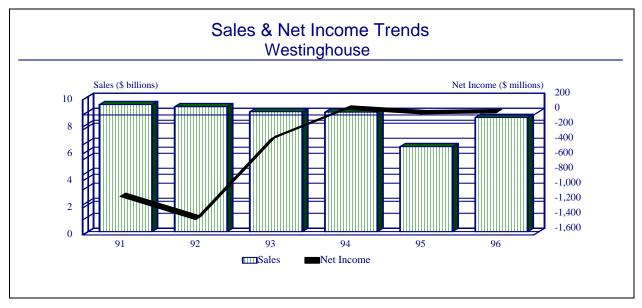
### **Financial Results/Corporate Statistics**

Following the name change from Westinghouse to CBS in 1997, financial figures as related to former company's defense and aerospace businesses have been listed as discontinued. Presented below are Westinghouse's figures from its last year as a whole company.

Westinghouse reported sales and operating revenues of \$8.4 billion in 1996. The company posted a profit of \$30 million for 1996 compared to income of \$15 million in 1995. Special charges in 1995 included were pre-tax provision of \$86 million for restructuring activities, \$236 million related to the Philippines and steam generator litigation matters, and a gain on the sale of MICROS Systems of \$115 million. 1994 charges included a pre-tax provision of \$71 million for additional restructuring activities and \$308 million for the settlement of a portion of the corporation's pension obligations. The loss in 1993 was attributed to a fourth-quarter charge of \$750 million for restructuring and other actions. The loss in 1992 was attributed to a \$1.28 billion after-tax restructuring charge taken in the fourth quarter to cover divestiture of several non-core businesses. Prior to 1995, Govt Backlog figures were associated with the now divested Electronic Systems Group. Current Govt Backlog figures related to the Government Operations unit. and are not reported by the company for 1995. Latest full-year statistics for Westinghouse Electric Corp are given below. Note: previous figures have NOT been restated to conform to the 1996 presentation.

Y/E December 31	1991	1992	1993	1994	1995	1996
(\$ millions)						
Net Sales	9409	9251	8875	8848	6296	8449
Percent Govt	34	32	30	26	6	3
Net Income	-1086	-1394	-326	77	15	30
Backlog (Govt)	5200	4000	3800	3900	39	16
R&D Expenditures	_	778	769	742	166	141



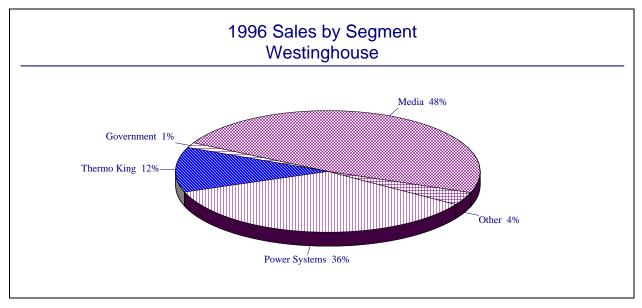


### **Industry Segments**

In 1996 Westinghouse altered its segment reporting categories. Results have been restated to reflect these changes. A breakdown of the firm's segment sales and operating income for the past three years is given below.

SALES	1994	1995	1996
(\$ millions)			
Media	650	1016	4145
Power Systems	2930	3000	3078
Thermo King	877	1065	1013
Government Operations	133	155	121
Corporate & Other	674	393	133
Intersegment Sales	-54	-30	-44
TOTAL	5210	5599	8446

OPERATING INCOME	1994	1995	1996
(\$ millions)			
Media	197	212	310
Power Systems	165	-207	-575
Thermo King	135	176	180
Government Operations	77	81	63
Corporate & Other	-165	-161	-734
TOTAL	409	101	-756



#### **1997 Financial Reports**

Results for Westinghouse's past eight quarters are as follows. In the third quarter, due to the recently concluded sale of Thermo King and the pending separation of the remaining industrial businesses, Westinghouse reported these businesses as discontinued operations and there data is not included in results for that period.

1997 Quarters	1	2	3	4
(\$ millions)				
Net Sales	2223	2413	1283	na
Net Income	-151	1	-162	na
1995 Quarters	1	2	3	4
(\$ millions)				
Net Sales	1883	2148	1967	2451
Net Income	181	-89	-28	-34

### **Strategic Outlook**

The past three years at Westinghouse have been a time of monumental changes. Two years ago the company was a major player in the defense electronics industry. Then, following the divestiture of its defense and electronics operations to Northrop Grumman and its acquisition of media giant CBS, Westinghouse began focusing on media and industrial power operations. Today, the company, having originally planned to spin off its industrial operations, has instead decided to divest these operations entirely.

So far the company has sold of it Thermo-King operation to Ingersoll-Rand and its Power Generation to Siemens. The remaining industrial businesses, most notably to Government Operations unit, are expected to be divested from by mid-1998.

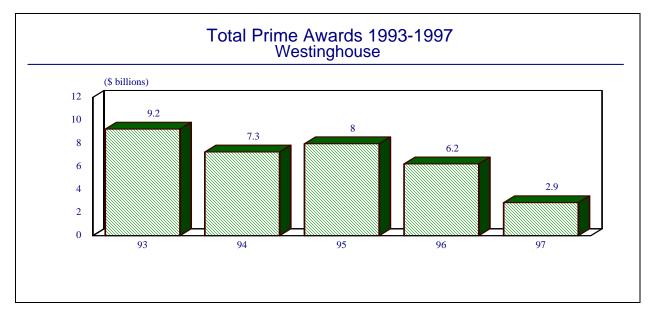
With these divestitures nearing completion, and Westinghouse basically not existing as a corporate entity, this report will no longer be updated.



# **Prime Award Summary**

Westinghouse's five-year summary of awards by customer is given below. Dashes indicate no information is available. Zeroes indicate awards, if any, less than \$50,000. Details may not equal total because of rounding.

(\$ millions)	1993	1994	1995	1996	1997
AIR FORCE	676.9	410.7	410.5	177.6	146.9
ARMY	29.6	37.9	35.7	235.0	11.7
CORPS OF ENGINEERS	3.5	0.2	1.4	1.0	4.8
DARPA	30.9	6.6	2.0	11.9	0.0
DEFENSE AGENCIES	0.8	0.4	0.3	5.7	17.3
DEF COMM AGENCY	1.6	0.2	0.0	0.0	0.0
DEF LOGISTICS AGENCY	2.7	3.4	0.6	0.7	0.6
DEPT OF AGRICULTURE	0.4	0.4	0.0	0.0	0.0
DEPT OF COMMERCE	0.5	5.8	4.7	0.0	0.0
DEPT OF ENERGY	7191.7	5756.0	5593.6	4835.2	2039.0
DEPT OF JUSTICE	0.1	0.0	0.0	0.1	0.0
DEPT OF LABOR	0.0	0.0	0.0	0.0	0.0
DEPT OF THE INTERIOR	0.8	0.5	0.1	0.1	0.0
DEPT OF TRANSPORT	139.1	100.5	99.9	20.1	25.2
DEPT OF TREASURY	10.3	4.1	2.4	0.1	0.0
EPA	4.6	14.6	5.7	1.4	14.3
GENERAL SERVICES ADMIN	0.3	0.0	0.0	0.0	0.2
INTL DEVELOP COOP ASSOC	0.1	0.0	0.0	0.0	0.0
NASA	1.1	10.1	6.6	1.9	0.7
NAVY	1105.9	868.2	757.0	929.0	591.5
NUCLEAR REG COMM	0.0	0.0	1.2	0.1	0.0
TN VALLEY AUTHORITY	46.7	40.9	1054.9	4.2	11.2
TOTAL	9247.6	7260.5	7976.6	6224.1	2863.4



The five year summary of awards by key location within major geographical area and by customers is reported below.

EASTERN REGION					
Pittsburgh, PA	1993	1994	1995	1996	1997
(\$ millions)					
AIR FORCE	4.7	3.0	5.6	3.6	2.1
ARMY	0.7	0.3	0.0	0.0	0.0
DARPA	0.2	1.7	0.0	0.0	0.0
DEFENSE AGENCIES	0.4	0.4	0.3	0.0	0.0
DEPT OF ENERGY	278.3	191.5	251.9	126.6	12.2
DEPT OF THE INTERIOR	0.0	0.0	0.1	0.1	0.0
DEPT OF TREASURY	1.0	0.6	0.4	0.0	0.0
NASA	0.3	9.7	0.1	0.2	0.1
NAVY	-9.8	58.6	112.1	7.2	33.6
NUCLEAR REG COMM	0.0	0.0	1.2	0.1	0.0
TN VALLEY AUTHORITY	0.0	0.6	-1.3	0.1	1.2
TOTAL	275.8	266.4	370.4	137.9	49.2
Annapolis, MD	1993	1994	1995	1996	1997
(\$ millions)					
NAVY	15.5	39.6	40.3	55.7	0.3
Baltimore, MD	1993	1994	1995	1996	1997
(\$ millions)					
AIR FORCE	635.4	365.5	372.3	156.9	140.2
ARMY	12.6	22.2	35.3	19.1	7.5
CORPS OF ENGINEERS	0.2	0.2	0.0	0.0	0.0
DARPA	30.7	4.9	2.0	0.0	0.0
DEFENSE AGENCIES	0.0	0.0	0.0	5.7	4.4
DEF COMM AGENCY	1.6	0.2	0.0	0.0	0.0
DEF LOGISTICS AGENCY	0.0	0.1	0.1	0.1	0.2
DEPT OF COMMERCE	0.5	0.0	4.4	0.0	0.0
DEPT OF TRANSPORT	74.1	53.2	62.2	12.0	3.4
NAVY	1.7	10.3	6.3	8.9	1.6
TOTAL	756.8	456.6	482.6	202.7	157.3
Hunt Valley, MD	1993	1994	1995	1996	1997
(\$ millions)					
AIR FORCE	5.0	6.7	5.3	2.1	0.9
ARMY	0.2	0.3	0.1	0.0	0.0
DEF LOGISTICS AGENCY	0.0	0.0	0.2	0.0	0.0
DEPT OF TREASURY	0.0	0.0	0.0	0.0	0.0
NAVY	13.7	0.3	0.1	0.0	0.0
TOTAL	18.9	7.3	5.7	2.1	0.9
WESTERN REGION					
Sunnyvale, CA	1993	1994	1995	1996	1997
(\$ millions)					
AIR FORCE	1.4	-0.1	0.0	0.0	0.0
ARMY	0.7	0.3	0.3	0.4	0.0
DEFENSE AGENCIES	0.3	0.0	0.0	0.0	0.0



WESTERN REGION					
Sunnyvale, CA (continued)	1993	1994	1995	1996	1997
DEF LOGISTICS AGENCY	0.0	0.1	0.0	0.0	0.0
NAVY	168.9	190.2	104.9	108.5	1.0
TOTAL	171.3	190.6	105.2	108.9	1.0

### **Program Activity**

Some important aerospace and government programs currently under way at Westinghouse are listed below. The briefs are intended to provide a listing of programs that are of major importance to the company. For detailed information or analysis of specific aerospace and defense programs or equipment, please refer to the appropriate FORECAST INTERNATIONAL binder (for example AIRCRAFT, MILITARY VEHICLES, WARSHIPS, MISSILES, ELECTRONICS, and GAS TURBINES). The following is an outline of the company's business interests:

- Gas Turbines
- Systems Integration

### **Engine Programs**

### **Coal-Fueled Gas Turbine Power Systems**

This is an industry-shared program in the USA for the development of low-cost, integrated, coal-fueled, gas turbine power generation systems. Additional technology and application efforts are carried out under the multiphase Clean Coal Technology (CCT) program. Westinghouse Electric Corporation's Power Generation segment is a major participant in this program.

### Westinghouse 501/701

The 501/701 is a large, single-shaft, axial-flow heavy industrial gas turbine machine series. The 501, used primarily for electric utility and industrial power generation, is the largest gas turbine machine in the Westinghouse line: it is a higher-powered variant based on the technology and experience of the 42 MW class W251. The machine is expected to remain in steady production into the next decade.

### Westinghouse 251

The 251 is a single-shaft, axial-flow heavy industrial gas turbine, with cold end power drive designed for utility and industrial power generation. By the beginning of 1995, an estimated 370 251 machines had been built and installed in over 25 countries and territories worldwide. The machine is also expected to remain in production into the next decade.

### Westinghouse/Rolls-Royce WR-21

This is a two-spool, simple-cycle, axial-flow aeroderivative marine gas turbine powerplant. This engine is designed as the key propulsion system for cruisers, frigates and destroyers. Initial platforms are likely to be the British Type 84 Air Defense Frigate and possibly late-production US Navy DDG-51 class destroyers.

### **Warship Programs**

### **US Nuclear Propulsion**

This program develops and upgrades nuclear propulsion plants for US Navy surface ships and submarines. Westinghouse's Bettis Atomic Power Plant Lab Division participates in this program. The Naval nuclear propulsion program is a joint effort by the Department of Energy and the Navy. Two Department of Energyowned, contractor-operated laboratories operate exclusively for the naval reactors program. They are the Bettis Atomic Power Laboratory (Westinghouse) in Pittsburgh, PA, and the Knolls Atomic Power Laboratory (General Electric) in Schenectady, NY. These facilities are used to develop technological changes and train operators.

### **US Contract Awards**

Below is a listing of major contracts awarded to Westinghouse from the United States government in the past year (contracts as of press date).

<u>Date</u> 1996	Award (\$ millions)	Contract #	<u>Description</u>
2/7/96	\$6.5	MDA972-96-C- 0005	Semi Automated Image Intelligence Processing System.
2/12/96	\$48.1	N00019-96-C-0073	Multi-functional integrated radio frequency for the JAST

	Award		
<b>Date</b>	(\$ millions)	Contract #	<u>Description</u>
			program.
3/14/96	\$25.2	N00024-96-C-4501	Naval nuclear propulsion components.
4/3/96	\$20.6	N00024-96-C-4050	Naval nuclear propulsion components.
4/8/96	\$11.6	F19628-89-C-0138	Support of changes for the E-3 AWACS.
4/12/96	\$15.2	N00024-95-C-6190	Option for 150 Mk48 ADCAP mods guidance and control
			kits.
9/19/96	\$8.5	F34601-94-C-0122	FY97 sustaining engineering services for the offensive radar system on the B-1B aircraft.
10/7/96	\$312.5	N00024-89-C-4003	Naval nuclear propulsion work.
10/21/96	\$53.9	N00024-96-C-4052	Naval nuclear propulsion work.
10/25/96	\$47.4	N00024-96-C-4050	Naval nuclear propulsion components.
11/4/96	\$90.1	N00024-96-C-4051	Naval nuclear propulsion components.
11/4/96	\$33.0	N00024-96-C-4053	Naval nuclear propulsion components.
11/26/96	\$11.6	N00024-95-C-4172	55 plastic waster processors for surface ships.
1997			
3/26/97	\$16.1	N00024-95-C-6190	Procurement of 135 ADCAP torpedo mod kits.
5/23/97	\$10.4	F33657-93-C-2016	Support for AP-66(V)2 fire control radar.
7/1/97	\$45.6	N00024-96-C-4052	Naval nuclear propulsion components.
10/8/97	\$332.0	N00024-89-C-4003	Naval nuclear propulsion work.
10/17/97	\$47.1	N00024-96-C-4052	Naval nuclear propulsion components.
10/23/97	\$37.4	N00024-96-C-4051	Naval nuclear propulsion components.
10/23/97	\$33.2	N00024-96-C-4053	Naval nuclear propulsion components.
11/7/97	\$49.0	N00024-96-C-4050	Naval nuclear propulsion components.
12/15/97	\$5.8	F04701-95-C-0014	FY98 support for Defense Meteorological Satellite program.

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