

# Tennessee Valley Authority

£250,000,000 5.625% Global Power Bonds 2001 Series B Due June 7, 2032



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The 5.625% Global Power Bonds 2001 Series B Due June 7, 2032 (the "Bonds") of the Tennessee Valley Authority ("TVA") will not be subject to redemption prior to maturity. The Bonds will be issued in minimum denominations of £1,000 and integral multiples thereof.

The Bonds will be represented by one or more global securities (collectively, the "Global Bond") in fully registered form, which will be deposited with a custodian for The Depository Trust Company ("DTC") and registered in the name of a nominee of DTC for the accounts of its participants (including the DTC participant that holds for the benefit of each of Euroclear and Clearstream, Luxembourg). Beneficial interest in the Bonds will be shown on, and transfers thereof will be effected only through, records maintained by DTC and its direct and indirect participants. Investors electing to hold beneficial interests in the Bonds through financial institutions other than DTC will hold indirect interests in the Global Bond. Transactions in the Bonds will be cleared and settled in book-entry form by Euromarket participants through the facilities of Euroclear and Clearstream, Luxembourg. See "Clearance and Settlement." Except in limited circumstances, definitive bonds will not be issued in exchange for beneficial interest in the Global Bond. See "Description of Bonds" — "Definitive Bonds" and "Clearance and Settlement."

Purchasers of beneficial interests in the Bonds are required to pay for the Bonds in immediately available British pound sterling funds. The Manager (as defined herein) is prepared to arrange for the conversion of U.S. dollars into British pounds sterling to enable investors in the United States to make such payment. See "Currency Conversions and Foreign Exchange Risks."

Application has been made to list the Bonds on the Luxembourg Stock Exchange and the New York Stock Exchange (collectively, the "Stock Exchanges").

The Bonds are considered to be obligations in registered form for United States federal tax purposes. Beneficial owners of the Bonds that are not United States persons must certify that they are non-United States persons in order to receive payments on the Bonds free of United States withholding tax. See "United States Tax Matters." TVA will not pay additional interest or other amounts in respect of any withholding or other tax that may be imposed by any jurisdiction on payments on the Bonds, whether imposed as a result of a change in law or otherwise.

TVA is a wholly owned corporate agency and instrumentality of the United States of America. Principal and interest will be payable solely from TVA's Net Power Proceeds (as defined herein).

The Bonds will be governed by and construed in accordance with the laws of the State of New York, to the extent such laws are not inconsistent with U.S. federal law.

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**The Bonds will not be obligations of, nor will payment of the principal thereof or the interest thereon be guaranteed by, the United States of America. TVA is not required to register the Bonds under the U.S. Securities Act of 1933 or to make reports to the U.S. Securities and Exchange Commission under the U.S. Securities Exchange Act of 1934. TVA does not intend to register the Bonds or file any reports with the U.S. Securities and Exchange Commission.**

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	<u>Price to Public (1)</u>	<u>Discount to Manager</u>	<u>Net Proceeds to TVA (1)</u>
Per Bond .....	99.316%	.450%	98.866%
Total .....	£248,290,000	£1,125,000	£247,165,000

(1) Plus accrued interest, if any, from July 9, 2001, to date of delivery.

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The Bonds offered by this Offering Circular are offered by the Manager (as defined herein) subject to prior sale, withdrawal, cancellation or modification of the offer without notice, to delivery to and acceptance by the Manager and to certain further conditions. It is expected that delivery of the Bonds will be made through the DTC book-entry system on or about July 9, 2001, against payment therefor in immediately available British pound sterling funds.

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**Morgan Stanley**

The date of this Offering Circular is July 5, 2001.

# G L O B A L I M P A C T

**“[TVA has]... a reputation of being among the most innovative of the U.S. Agency borrowers”**

***-International Financing Review, March 1996***



**Area Served by the Tennessee Valley Authority**



TVA entered the global debt markets in 1995 to offer unique investment opportunities that provide exceptional value for both the investor and TVA. TVA attracts global investors offering debt issues with a variety of maturities and currencies—including the Deutsche Mark and British pound sterling—and solid trading performance in secondary markets.

Since mid-1995, TVA has issued eight global bonds and reopened two for a total of \$10.2 billion. These global bonds represent half of TVA's total long-term public debt offerings since 1995, and more than one-third of TVA's total debt portfolio. More than 25,000 investors have purchased TVA's global bonds, including institutional investors such as money managers, banks and trusts, insurance companies and pension fund managers, as well as individual investors. TVA's global investors are concentrated in Europe and Asia.



# PROVIDING POWER IN THE PUBLIC INTEREST

**TVA is poised to remain a competitive player in what is predicted to be a new, highly competitive**



**electric utility market. With one of the largest generating**

**and transmission systems in the United States, TVA's power operations form a vital part of the nation's energy infrastructure.**



TVA is more than a power company. In the nearly seven decades since its creation, TVA has been guided by the higher purpose of serving the public interest and promoting economic growth in the Tennessee Valley. TVA is a key partner in helping generate prosperity for the nearly eight million people living in the Tennessee Valley. TVA strengthens the regional economy by promoting economic development, supplying low-cost, reliable power and supporting a thriving river system. As the manager of the nation's fifth largest river system, TVA seeks a balance among the public's competing demands for recreation, water quality, water supply and other uses of this resource while operating its dams and reservoirs primarily for navigation and flood control and, to the extent consistent with these purposes, for hydroelectric generation. Today, TVA is recognized around the world as an expert in power production, flood control, river navigation and environmental quality.

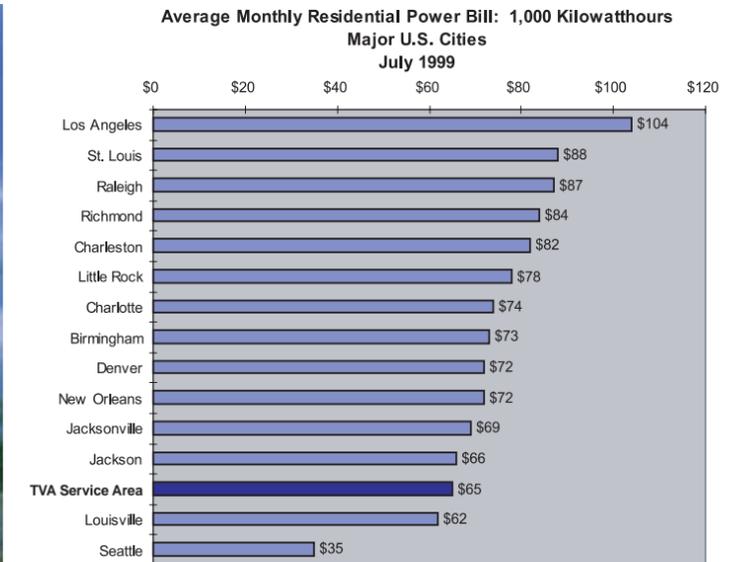
Because TVA's core product is so essential to so many, the reliability and availability of TVA's power plants and transmission system is a top priority. Through meticulous attention to maintenance and modernization, aggressive pursuit of greater



productivity and optimizing the use of assets, TVA is able to ensure its plants are ready when they are needed most. Commitment to reliability and availability has paid off consistently over the last 67 years, especially in the summer of 1999 when TVA set a new all-time peak of 28,295 megawatts.

Beyond assuring that TVA power is reliable and available, TVA has an obligation to ensure that its power is an affordable, competitive value. Consistent with its federal charter, TVA generates and transmits an ample supply of power to the people of the Valley at "rates as low as are feasible." As a result, TVA's energy prices are among the lowest in the nation. In addition, TVA's power program is 100 percent self-supporting from power revenues and proceeds from the issuance of debt.

Retaining its competitive position is important to TVA's success in a restructured environment. TVA recognized over a decade ago that the electric utility industry would undergo significant changes and has taken the necessary steps to prepare for an increasingly competitive environment.



In 1988 TVA began an aggressive program to reduce costs and hold prices steady. In addition, TVA unveiled an ambitious 10-Year Business Plan in July 1997 designed to ensure that TVA's price of power remains competitive in a restructured environment.

TVA is deeply committed to its role of sustaining and improving the quality of life in the Tennessee Valley. TVA will continue to support and enhance the economic prosperity of this region by supplying low-cost, reliable power, supporting a thriving river system and stimulating economic growth.

MORGAN STANLEY & CO. INTERNATIONAL LIMITED MAY ENGAGE IN TRANSACTIONS THAT STABILIZE, MAINTAIN OR OTHERWISE AFFECT THE PRICE OF THE BONDS. SPECIFICALLY, MORGAN STANLEY & CO. INTERNATIONAL LIMITED MAY OVERALLOT IN CONNECTION WITH THE OFFERING, AND MAY BID FOR, AND PURCHASE, BONDS IN THE OPEN MARKET AND MAY IMPOSE PENALTY BIDS. SUCH TRANSACTIONS MAY BE EFFECTED IN AN OVER-THE-COUNTER MARKET OR OTHERWISE.

Neither of the Stock Exchanges takes any responsibility for the correctness of any statements made or opinions expressed in this Offering Circular or any other document incorporated by reference herein or makes any representation as to its accuracy or completeness. Each of the Stock Exchanges expressly disclaims any liability whatsoever for any loss howsoever arising from or in reliance upon the whole or any part of this Offering Circular or any other document incorporated by reference herein. Neither the quotations of, or permission to deal in, the Bonds nor an admission to the official lists of either of the Stock Exchanges should be taken as an indication of the merits of TVA or the Bonds.

No dealer, salesperson or any other person has been authorized by TVA to give any information or to make any representations on behalf of TVA other than those contained in this Offering Circular, the current Information Statement (as defined herein) or any supplement to any of the foregoing prepared by TVA for use in connection with the offer made by this Offering Circular and, if given or made, such information or representations must not be relied upon as having been authorized by TVA. Neither the delivery of this Offering Circular or the current Information Statement nor any sale of Bonds described herein shall under any circumstances create an implication that the information provided herein is correct at any time subsequent to its date, and TVA assumes no duty to update this Offering Circular or the current Information Statement except as it deems appropriate. This Offering Circular does not constitute an offer to sell or a solicitation of an offer to buy the Bonds described herein in any jurisdiction to any person to whom it is unlawful to make such offer or solicitation in such jurisdiction.

The distribution of this Offering Circular and the offering of the Bonds may, in certain jurisdictions, be restricted by law. Persons into whose possession this Offering Circular comes are required by TVA and the Manager to inform themselves of and observe all such restrictions.

This Offering Circular should be read in conjunction with TVA's current Information Statement, dated February 8, 2001 (the "current Information Statement"), which is attached hereto and incorporated herein. Any statement contained in the current Information Statement shall be deemed to be modified or superseded for all purposes of the current Information Statement and this Offering Circular to the extent that a statement contained in this Offering Circular modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified, to constitute a part of the current Information Statement. Additional copies of this Offering Circular and of the current Information Statement may be obtained (free of charge) upon written request directed to Tennessee Valley Authority, 400 West Summit Hill Drive, Knoxville, Tennessee 37902-1401, Attention: Senior Manager, Investor Relations, or by calling 1-888-882-4975 in the United States. Copies may also be obtained (free of charge) from Kredietbank S.A. Luxembourgeoise (the "Special Agent" or "Listing Agent"), 43 Boulevard Royal L-2955, Luxembourg, R.C. Luxembourg B6395. The then-current Information Statement and other information concerning TVA may be inspected at the offices of the New York Stock Exchange, 20 Broad Street, New York, New York 10005.

This Offering Circular has been prepared by TVA solely for use in connection with the offering of the Bonds described herein and for purposes of listing the Bonds on the Stock Exchanges. TVA has taken reasonable care to ensure that the information contained in this Offering Circular is true and accurate in all material respects and that there are no material facts the omission of which would make misleading any statements herein, in light of the circumstances under which such statements are made. TVA accepts responsibility accordingly.

In this Offering Circular and the current Information Statement, references to "U.S. dollars," "U.S.\$," "dollars" and "\$" are to United States dollars, and references to "£" are to British pounds sterling.

## FORWARD-LOOKING STATEMENTS

This Offering Circular and the current Information Statement contain forward-looking statements relating to future events and future performance. Any statements regarding expectations, beliefs, plans, projections, estimates, objectives, intentions or assumptions or otherwise relating to future events or performance may be forward-looking. Some examples of forward-looking statements include statements regarding TVA's projections of future power and energy requirements, future costs related to environmental compliance, impacts of potential legislation on TVA and the likelihood of enactment of such legislation, targets for TVA's future competitive position and impacts of pending litigation and administrative orders, such as the administrative order issued to TVA in November 1999 by the U.S. Environmental Protection Agency. Although TVA believes that the assumptions underlying the forward-looking statements in this Offering Circular and the current Information Statement are reasonable, TVA does not guarantee the accuracy of these statements. Numerous factors could cause actual results to differ materially from those in the forward-looking statements. These factors include, among other things, new laws, regulations and administrative orders, especially those related to the restructuring of the electric power industry and various environmental matters; increased competition among electric utilities; legal and administrative proceedings affecting TVA; the financial environment; performance of TVA's generating facilities; fuel prices; the demand for electricity; weather conditions; changes in accounting standards; and unforeseeable events.

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## SUMMARY OF OFFERING

*The information below is qualified in its entirety by the detailed information appearing in TVA's current Information Statement (and any supplement thereto) and elsewhere in this Offering Circular. Capitalized terms used and not defined herein have the meanings defined in such Information Statement and elsewhere in this Offering Circular.*

Issuer .....	TVA is a wholly owned corporate agency and instrumentality of the United States of America established by the Tennessee Valley Authority Act of 1933, as amended.
Capitalization .....	Total capitalization of TVA at March 31, 2001, as adjusted for the Bonds offered hereby, would have been U.S.\$29,172 million. In addition, since March 31, 2001, and through the date of this Offering Circular, TVA has issued \$212 million of Power Bonds to retire existing debt. Except as set forth above, there has been no material change in TVA's capitalization since March 31, 2001.
Securities Offered .....	£250,000,000 aggregate principal amount of 5.625% Global Power Bonds 2001 Series B Due June 7, 2032 (the "Bonds").
Interest .....	The Bonds will bear interest from July 9, 2001, at the annual rate set forth on the cover page hereof, payable annually in arrears on each June 7, beginning June 7, 2002.  If interest on the Bonds is required to be calculated for any period of less than a year, it will be calculated on the basis of the actual number of days elapsed in the period divided by 365.
Redemption .....	The Bonds will not be subject to redemption prior to maturity.
Global Agent for Bonds .....	The Chase Manhattan Bank
Sterling Paying Agent .....	The Chase Manhattan Bank (London branch)
Listing .....	Application has been made to list the Bonds on the Luxembourg Stock Exchange and the New York Stock Exchange.
Use of Proceeds .....	The net proceeds received by TVA from the sale of the Bonds will be used to retire existing debt.
Source of Payment .....	The interest and principal on the Bonds are payable solely from Net Power Proceeds and are not obligations of, or guaranteed by, the United States of America. See "The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness" in the current Information Statement.
Form and Denomination of Bonds ..	The Bonds will be represented by the Global Bond, which will not be exchangeable for definitive bonds except in the limited circumstances described herein. The Global Bond is issued in registered form in the name of Cede & Co. ("Cede"), as nominee of DTC. Beneficial interests in the Bonds will be represented through accounts of financial institutions acting on behalf of beneficial owners as direct and indirect participants in DTC, including Euroclear and Clearstream, Luxembourg. Investors may elect to hold interests in the Bonds through DTC or through either Euroclear or Clearstream, Luxembourg, if they are participants in those systems, or indirectly through organizations that are participants in such systems. Beneficial interests in the Bonds will be maintained and transferred in minimum denominations of £1,000

and integral multiples thereof. See “Description of Bonds” — “Form and Denominations” and “Clearance and Settlement.”

Clearance and Settlement . . . . . Beneficial interests in the Bonds may be held in accounts with institutions that are direct or indirect DTC participants, including Euroclear and Clearstream, Luxembourg. Initial settlement for the Bonds will be made in immediately available British pound sterling funds. However, the Manager is prepared to arrange for the conversion of U.S. dollars into British pounds sterling to enable investors in the United States to make such payment. Secondary market sales of the Bonds for settlement within each clearing system will be settled in accordance with the rules and procedures established by the relevant system. Sales to be settled within Euroclear or Clearstream, Luxembourg, and between Euroclear and Clearstream, Luxembourg, will normally settle on a three-Business-Day basis unless parties specify a different period (which may be as short as two Business Days). Sales to be settled within DTC will be settled using the procedures applicable to U.S. corporate debt obligations in DTC’s Same-Day Funds Settlement System in same-day funds, if payment is effected in U.S. dollars, or free of payment, if payment is not effected in U.S. dollars. In such case, separate payment arrangements outside DTC are required to be made between the DTC participants. Secondary market sales between a DTC participant and a Euroclear or Clearstream, Luxembourg, participant will settle in accordance with the usual rules and operating procedures established by DTC, Euroclear and Clearstream, Luxembourg. See “Clearance and Settlement” and “Currency Conversions and Foreign Exchange Risks.”

Legality of Investment in the United States . . . . . Each person or entity is advised to consult with its own counsel with respect to the legality of investment in the Bonds.

The following generally describes the legality of investment in the United States in TVA Power Bonds in their fully constituted form. Power Bonds are:

- acceptable as security for all fiduciary, trust and public funds, the investment or deposit of which shall be under the authority or control of any officer or agency of the United States of America;
- eligible as collateral for U.S. Treasury tax and loan accounts, unless otherwise specified by the U.S. Treasury;
- among those obligations which U.S. national banks may deal in, underwrite and purchase for their own accounts in an amount up to 10 percent of unimpaired capital and surplus;
- eligible as collateral for advances by U.S. Federal Reserve Banks to member banks;
- legal investments for U.S. federal savings associations and U.S. federal savings banks to the extent specified in applicable regulations;

- eligible as collateral for advances by U.S. Federal Home Loan Banks to members for which Power Bonds are legal investments; and
- legal investments for U.S. federal credit unions, subject to applicable regulations.

See “Legality of Investment in the United States.”

No Acceleration Rights . . . . . The Bonds will not contain any provisions permitting the Holders to accelerate the maturity thereof on the occurrence of any default or other event. See “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Events of Default” in the current Information Statement.

Taxation . . . . . United States federal income tax generally will not be withheld from payments on Bonds that are beneficially owned by non-U.S. beneficial owners (as defined under “United States Tax Matters”), provided that an appropriate United States Internal Revenue Service Form W-8BEN (or other appropriate form) is completed and provided. See “United States Tax Matters.” The Bonds are not subject to redemption by reason of the imposition of withholding or other tax by any jurisdiction, and TVA will have no obligation to pay additional interest or other amounts in respect of any such tax that may be imposed on payments on the Bonds, whether imposed as a result of a change in law or otherwise (including any withholding tax that may be imposed as a result of a holder’s failure to provide an applicable United States Internal Revenue Service form). For further discussion of United States tax consequences with respect to the purchase, ownership or disposition of the Bonds, see “United States Tax Matters.”

Common Code . . . . . 013226792

ISIN . . . . . US880591DP40

CUSIP Number . . . . . 880591 DP 4

## **TENNESSEE VALLEY AUTHORITY**

The Tennessee Valley Authority is one of the largest wholesale producers of electricity in the United States of America having produced over 151 billion kilowatt-hours (“kWh”) of electricity in fiscal year 2000. The TVA system supplies electric power to a region containing nearly eight million people located in parts of Tennessee, Kentucky, Mississippi, Alabama, Georgia, North Carolina and Virginia.

TVA is a wholly owned corporate agency and instrumentality of the United States of America established pursuant to the Tennessee Valley Authority Act of 1933, as amended (the “Act”), primarily to develop and manage the resources of the Tennessee Valley region. Historically, the programs at TVA have consisted of power and nonpower programs. The Act requires TVA’s electric system operations to be self-supporting from power system revenues, which were approximately \$6.8 billion in fiscal year 2000. The U.S. Congress (“Congress”) does not appropriate funds to TVA for its power program. The Act authorizes TVA to issue Evidences of Indebtedness (as defined in “Description of Bonds”), the proceeds of which TVA may only use to finance its power program. TVA’s nonpower activities have included responsibilities associated with operation of the Tennessee River system, land management, economic development and the environment. While Congress historically has appropriated amounts to fund TVA’s nonpower programs (including \$50 million for fiscal year 1999), Congress passed legislation in 1997 providing for the funding of these programs with revenues from TVA’s power program and other TVA revenue sources when appropriations are insufficient. In fiscal year 2000, TVA spent approximately \$40 million more in power funds on essential stewardship activities than it did in fiscal year 1999, and TVA expects to spend during fiscal year 2001 approximately the same amount on such activities as it did in fiscal year 2000. For a further discussion of this matter, see “Public Law No. 105-62” in the current Information Statement.

For over six decades, TVA has been associated with bringing prosperity to a significant region of the United States. Its dams have averted an estimated \$4 billion in flood damage; its power program has brought electricity to a large undeveloped area of the country; and its economic development program has contributed to a vast increase in the number of jobs in the Tennessee Valley.

Electric power industry restructuring is changing the way TVA and utilities across the nation generate, transmit and distribute electricity. TVA is positioning itself to successfully compete in a restructured marketplace by sustaining excellent operational performance and achieving greater financial flexibility. See “Competition” in the current Information Statement.

## **USE OF PROCEEDS**

TVA will use the net proceeds from the sale of the Bonds of £247,165,000 (before deducting expenses estimated to be £150,000) to retire existing debt.

## RECENT DEVELOPMENTS

### Financial Results

TVA has derived the condensed balance sheets for TVA's power program for the fiscal year ended September 30, 2000 from TVA audited financial statements. The condensed financial statements for TVA's power program for the six months ended March 31, 2001 and 2000, and for the three months ended March 31, 2001 and 2000, are unaudited, but in the opinion of management of TVA include all adjustments (consisting only of normal recurring adjustments) necessary for the fair presentation of results for such periods. You should read the following information together with the audited financial statements and notes thereto in the current Information Statement. Results for the six months ended March 31, 2001 and 2000, for the three months ended March 31, 2001 and 2000, and for past years are not necessarily indicative of future results.

**TENNESSEE VALLEY AUTHORITY  
POWER PROGRAM**

**CONDENSED BALANCE SHEETS**  
At March 31, 2001 and September 30, 2000

	<u>Unaudited March 31, 2001</u>	<u>September 30, 2000</u>
	(Millions)	
<b>ASSETS</b>		
<b>Current assets</b>		
Cash and cash equivalents .....	\$ 12	\$ 348
Accounts receivable .....	532	688
Inventories at average cost and other		
Fuel .....	128	141
Other .....	248	249
Total current assets .....	<u>920</u>	<u>1,426</u>
<b>Property, plant and equipment</b>		
Completed plant .....	30,292	30,157
Less accumulated depreciation .....	<u>(9,976)</u>	<u>(9,520)</u>
Net completed plant .....	20,316	20,637
Construction in progress .....	1,065	793
Deferred nuclear generating units .....	6,328	6,325
Nuclear fuel and capital leases .....	521	559
Total property, plant and equipment .....	<u>28,230</u>	<u>28,314</u>
<b>Investment funds</b> .....	683	840
<b>Deferred charges and other assets</b>		
Loans and other long-term receivables .....	161	144
Debt issue and reacquisition costs .....	1,303	1,302
Other deferred charges .....	<u>1,008</u>	<u>1,155</u>
Total deferred charges and other assets .....	<u>2,472</u>	<u>2,601</u>
<b>Total assets</b> .....	<u><u>\$32,305</u></u>	<u><u>\$33,181</u></u>
<b>LIABILITIES AND PROPRIETARY CAPITAL</b>		
<b>Current liabilities</b>		
Accounts payable .....	\$ 462	\$ 531
Accrued liabilities .....	183	200
Accrued interest .....	401	438
Short-term debt .....	1,694	1,274
Current maturities of long-term debt .....	<u>1,100</u>	<u>2,350</u>
Total current liabilities .....	3,840	4,793
<b>Other liabilities</b> .....	2,441	2,455
<b>Long-term debt</b>		
Public bonds — senior .....	21,758	21,261
Public bonds — subordinated .....	500	1,100
Unamortized discount and other .....	<u>(590)</u>	<u>(608)</u>
Total long-term debt .....	21,668	21,753
<b>Proprietary capital</b>		
Appropriation investment .....	518	528
Retained earnings .....	3,803	3,652
Accumulated other comprehensive income .....	35	—
Total proprietary capital .....	<u>4,356</u>	<u>4,180</u>
<b>Total liabilities and proprietary capital</b> .....	<u><u>\$32,305</u></u>	<u><u>\$33,181</u></u>

**TENNESSEE VALLEY AUTHORITY  
POWER PROGRAM**

**CONDENSED STATEMENTS OF INCOME  
For the Three Months Ended March 31, 2001 and 2000 (Unaudited)  
and for the Six Months Ended March 31, 2001 and 2000 (Unaudited)**

	<u>Three Months</u> <u>Ended March 31,</u>		<u>Six Months</u> <u>Ended March 31,</u>	
	<u>2001</u>	<u>2000</u>	<u>2001</u>	<u>2000</u>
	(Millions)		(Millions)	
<b>Operating revenues</b>				
Sales of electricity				
Municipalities and cooperatives .....	\$1,472	\$1,360	\$2,928	\$2,638
Industries directly served .....	163	163	327	318
Federal agencies and other utilities .....	104	73	178	151
Other revenue .....	19	17	40	34
Total operating revenues .....	<u>1,758</u>	<u>1,613</u>	<u>3,473</u>	<u>3,141</u>
<b>Operating expenses</b>				
Fuel and purchased power .....	453	404	933	790
Operating and maintenance .....	365	331	726	636
Depreciation and amortization .....	559	295	886	589
Tax-equivalents .....	78	76	156	153
Total operating expenses .....	<u>1,455</u>	<u>1,106</u>	<u>2,701</u>	<u>2,168</u>
<b>Operating income</b> .....	303	507	772	973
Other income, net .....	<u>233</u>	<u>2</u>	<u>239</u>	<u>5</u>
Income before interest expense .....	536	509	1,011	978
<b>Interest expense</b>				
Interest on debt .....	406	419	826	849
Amortization of debt discount, issue, and reacquisition costs, net ....	22	22	43	42
Allowance for funds used during construction .....	<u>(14)</u>	<u>(13)</u>	<u>(27)</u>	<u>(25)</u>
Net interest expense .....	<u>414</u>	<u>428</u>	<u>842</u>	<u>866</u>
<b>Net income</b> .....	<u>\$ 122</u>	<u>\$ 81</u>	<u>\$ 169</u>	<u>\$ 112</u>

**TENNESSEE VALLEY AUTHORITY  
POWER PROGRAM**

**CONDENSED STATEMENTS OF CASH FLOWS  
For the Three Months Ended March 31, 2001 and 2000 (Unaudited)  
and for the Six Months Ended March 31, 2001 and 2000 (Unaudited)**

	<u>Three Months</u> <u>Ended March 31,</u>		<u>Six Months</u> <u>Ended March 31,</u>	
	<u>2001</u>	<u>2000</u>	<u>2001</u>	<u>2000</u>
	(Millions)			
<b>Cash flows from operating activities</b>				
Net income .....	\$ 122	\$ 81	\$ 169	\$ 112
Net items not requiring cash .....	595	330	950	656
Other changes, net .....	<u>152</u>	<u>57</u>	<u>(7)</u>	<u>(15)</u>
Net cash provided by operating activities .....	869	468	1,112	753
<b>Cash flows from investing activities</b>				
Construction expenditures .....	(239)	(234)	(448)	(437)
Allowance for funds used during construction .....	14	13	27	25
Other, net .....	<u>(22)</u>	<u>(41)</u>	<u>(51)</u>	<u>(121)</u>
Net cash used in investing activities .....	(247)	(262)	(472)	(533)
<b>Cash flows from financing activities</b>				
Borrowings, net .....	(601)	(177)	(938)	(160)
Other .....	<u>(24)</u>	<u>(28)</u>	<u>(38)</u>	<u>(161)</u>
Net cash used in financing activities .....	<u>(625)</u>	<u>(205)</u>	<u>(976)</u>	<u>(321)</u>
Net change in cash and cash equivalents .....	<u>\$ (3)</u>	<u>\$ 1</u>	<u>\$ (336)</u>	<u>\$ (101)</u>

**Results of Operations**

TVA had net income of \$122 million for the second quarter of 2001, an increase of \$41 million from net income of \$81 million for the second quarter of 2000. TVA's net income for the six months ended March 31, 2001, amounted to \$169 million, an increase of \$57 million from net income of \$112 million for the same period last year.

Operating revenues for the three months ended March 31, 2001, were \$1,758 million compared with \$1,613 million for the same period last year. Fiscal year-to-date operating revenues were \$3,473 million compared with \$3,141 million for the same period last year. The \$332 million increase was primarily due to an increase in energy sales of approximately 4.4 billion kWh (or 5.7 percent) primarily reflecting the record cold weather experienced during the winter of fiscal year 2001.

Operating expenses increased \$349 million from \$1,106 million for the three months ended March 31, 2000, to \$1,455 million for the same period of 2001. Operating expenses for the six months ended March 31, 2001, were \$2,701 million compared with \$2,168 million for the same period last year. These increases were primarily due to a one-time charge in excess of \$200 million for the acceleration of the amortization of regulatory assets in March 2001 and increased weather-related fuel and purchased power costs.

The increases in net other income of \$231 million and \$234 million for the three months and six months ended March 31, 2001, respectively, as compared with the same periods of 2000, include the receipt of an amount in excess of \$200 million under settlement of litigation involving a power purchase contract.

Net interest expense declined \$14 million and \$24 million for the three months and six months ended March 31, 2001, respectively, as compared with the same periods of 2000. These reductions reflect lower average interest rates and a lower level of total outstanding debt during the first six months of fiscal year 2001.

### **Liquidity and Capital Resources**

In January 2001, TVA issued in the public market \$1,000 million of Power Bonds (due 2011). In February 2001, TVA redeemed its \$600 million 8% Quarterly Income Debt Securities 1995 Series A and in April 2001, TVA redeemed its \$500 million 7.5% Quarterly Income Debt Securities 1996 Series A. Since April 2001, TVA has issued in the public market \$212 million of Power Bonds under its electronotes<sup>sm</sup> medium-term note program. On May 31, 2001, TVA's short-term debt owed to the U.S. Treasury was \$3.1 million.

Net cash provided by operating activities increased \$401 million and \$359 million for the three months and the six months ended March 31, 2001, respectively, as compared with the same periods of 2000. These increases primarily reflect the cash receipt of a litigation settlement, coupled with improved results of operations.

Cash flows used in financing activities increased \$420 million and \$655 million for the three months and six months ended March 31, 2001, respectively, as compared with the same periods of 2000. These changes reflect a reduction in net borrowings of \$424 million and \$778 million, respectively.

### **Other Matters**

- At its March 28, 2001, meeting, the TVA Board of Directors approved entering into three agreements, the performance of which would culminate in TVA using nuclear fuel derived from highly enriched uranium ("HEU") in its nuclear plants. Under an interagency agreement entered into on April 5, 2001, with the U.S. Department of Energy ("DOE"), DOE will transfer to TVA at no charge approximately 33 metric tons of surplus HEU that will be processed and blended down to an enrichment level so that it can be used in TVA's nuclear plants. The surplus HEU comes from some of DOE's former weapons activities and will have to be disposed of if not used in this project. On April 10, 2001, TVA entered into a contract with Framatome Cogema Fuels and a contract with Siemens Power Corporation for processing the blended-down HEU into fuel assemblies. The estimated amount TVA will pay under the two contracts is expected not to exceed \$750 million. TVA expects that by using fuel derived from HEU it will be able to realize a savings as compared to the costs associated with using fuel assemblies fabricated with uranium enriched specifically for use as a reactor fuel.
- The Supreme Court has upheld the constitutionality of the ozone and fine particulate matter standards discussed on page 15 of the current Information Statement. However, it affirmed the lower court's decision that the new ozone standard could not be enforced without additional U.S. Environmental Protection Agency ("EPA") rulemaking and remanded both standards back to the lower court to determine if EPA's action in establishing the standards was arbitrary and capricious. See "Environmental Matters" — "Air Quality" in the current Information Statement.
- TVA has been informed by the U.S. Department of Justice ("DOJ") that DOE plans to seek contribution from TVA and others to help pay for cleaning up a metal recycling facility in Knoxville, Tennessee. DOE has acknowledged that it was the largest contributor of material to the site and is performing the cleanup with oversight from the State of Tennessee. The expected cost to cleanup the site is \$100 million. TVA's records indicate that it sold the owners of the site generally nonhazardous material valued at just over \$1 million and unidentified material valued at approximately \$273,000. DOJ has found other records related to the site and is willing to let TVA review them, but it has been

unable to provide them to TVA thus far. As a result, TVA is unable at this time to determine the amount of liability, if any, it may have for these cleanup costs.

- Since the early days of the federal electric power industry restructuring effort, TVA has been working closely with the Tennessee Valley Public Power Association (“TVPPA”), the association which represents all distributors of TVA power, and the Tennessee Valley Industrial Committee (“TVIC”), an organization representing industries that TVA directly serves, to develop a consensus position on industry restructuring. After a series of negotiations, TVA, TVPPA and TVIC agreed upon the key elements of legislation regarding TVA. This legislation would allow for: (1) simultaneous repeal of the anti-cherry-picking provision and the fence (as such terms are used in the current Information Statement) on the effective date of the restructuring legislation, (2) renegotiation of power contract terms with a minimum termination notice period of three years, and a distributor option to take partial requirements from other suppliers with advance notice to TVA, (3) new limitations on TVA retail sales in TVA’s current service area, (4) stranded cost recovery, (5) FERC regulation of TVA’s transmission system, (6) TVA subjection to anti-trust laws (with the exception of civil damages and attorney’s fees), (7) reduction of most of TVA’s existing regulatory role with respect to distributors and (8) limitation on new TVA generation to that needed to meet demand within the current TVA service territory. No provisions were included with respect to TVA wholesale rate regulation. In May 2000, Senators Frist, Thompson and Cochran introduced a bill in the Senate that incorporates this consensus position. TVA anticipates that this consensus legislative position would be offered in connection with any industry restructuring legislation that may be introduced during this congressional session. In addition, other bills that could affect TVA have been or likely will be introduced in this and future sessions as the federal restructuring debate continues. One such bill, introduced in March by Senators Bunning and McConnell, is S. 608, the latest in a series of legislative proposals offered over the last few years that would make TVA a “public utility” for all purposes under the Federal Power Act. This version of the legislation would also, among other things, modify TVA’s contractual relationships with its distributors, permitting them to meet their new power requirements from sources other than TVA. See “Competition” in the current Information Statement. In light of current conditions in the United States electrical markets, TVA believes it is unlikely any restructuring legislation will be enacted during the current Congress.
- The United States General Accounting Office (“GAO”) issues reports on TVA from time to time. In February 2001, GAO issued a report entitled “TENNESSEE VALLEY AUTHORITY, Debt Reduction Efforts and Potential Stranded Costs.” In this report GAO says that although TVA has made progress in reducing its level of debt and in recovering the cost of deferred assets and although its financial condition has improved, in light of its levels of debt and deferred assets, TVA’s financial flexibility to respond to financial and competitive challenges is less than that of its likely competitors, and as a result TVA could have stranded costs if Congress enacts legislation that requires TVA to compete with other electricity providers. TVA has taken issue with this report particularly with respect to its market price discussion, its conclusion regarding the comparative financial health of TVA versus that of its likely competitors and its analysis of TVA’s exposure to and recovery of stranded costs. TVA continues to believe that its power prices, currently in the lowest quartile of the nation’s prices, will remain competitive in the context of any industry restructuring. See “Competition” in the current Information Statement.
- On April 30, 2001, GAO issued a report concluding that, even though TVA’s Bonds are not guaranteed by the United States, one of the primary reasons TVA’s bonds are rated Aaa by Moody’s Investors Service and AAA by Standard & Poor’s is TVA’s relationship with the United States government.
- GAO also issued a report in May 2001 that reviewed air quality inputs in the Great Smoky Mountains National Park. Although GAO indicated that emissions from TVA’s plants to the west of the park and utility plants to the south of the park contributed to the park’s air quality problems, it concludes that the largest contributors were plants in the Midwest. GAO also reported on TVA’s significant emission reductions.

- As a result of DOE's failure to begin removing and disposing of spent nuclear fuel from U.S. commercial nuclear power plants by January 1, 1998, on April 26, 2001, TVA filed a breach of contract lawsuit against the United States in the Court of Federal Claims in Washington, D.C. As a result of DOE's breach, TVA will be required to spend over \$120 million at the Browns Ferry and Sequoyah Nuclear Plants for additional spent fuel storage capacity. (The lawsuit did not include an amount for damages associated with the Watts Bar Nuclear Plant because it has existing capacity to store spent fuel until 2018). Previously, several other U.S. nuclear utilities had filed lawsuits to recover their damages, and the Federal Circuit Court of Appeals has held that DOE's failure to begin removing and disposing of spent nuclear fuel constitutes a breach of its contracts with the U.S. nuclear utilities.
- On May 3, 2001, Senators Frist and Thompson, both of Tennessee, introduced bill S. 821, which would amend the Tennessee Valley Authority Act primarily to increase the size of the TVA Board from three full-time members to nine part-time members. The nine Board members would be appointed by the President and would serve five-year, staggered terms.
- The Administration issued its Energy Plan in May. This plan identifies a number of activities and tasks to improve the United States' ability to meet the growth in energy demands. Several of these bear on TVA.
  - The plan endorses the re-vitalization of nuclear generation, including the construction of new plants, the uprating of existing plants and the relicensing of older plants.
  - The plan directs EPA in consultation with DOE and other federal agencies to review its New Source Review ("NSR") program under the Clean Air Act and assess its implications for energy supply within 90 days. EPA has announced that it will accept public comments on NSR energy issues. EPA's final assessment is scheduled to be released on August 17, 2001. See "Environmental Matters" — "Air Quality" in the current Information Statement.
  - The Attorney General has been tasked with reviewing the merits of legal positions taken in EPA's NSR utility and refinery enforcement initiatives. The outcome of this review and EPA's 90-day assessment could result in changes to EPA's enforcement initiative, including the administrative order issued to TVA. See "Environmental Matters" — "Air Quality" in the current Information Statement.
  - EPA has been directed to develop legislation that would substantially reduce SO<sub>2</sub>, NO<sub>x</sub>, and mercury emissions from utility plants in a flexible manner and on a reasonable schedule while providing utilities regulatory certainty to allow the modification of plants without fear of new litigation.
- President Bush continues his opposition to the Kyoto treaty. In meeting with European leaders, the President announced that the treaty is not in the United States' interest. In the Administration's May 2001 Energy Plan, federal agencies were directed to continue to conduct global warming research.
- In June 2001, TVA met with distributors of TVA power to discuss a range of options that will offer distributors flexibility in their power-purchasing contracts with TVA. Some of the TVA distributors, including the seven largest, have from time-to-time requested changes in their all requirements contracts, including a shorter term and the ability to purchase part of their requirements from other suppliers. TVA presented a framework for possible contract-flexibility options which include an option for distributors to buy up to 10 percent of their power from another supplier or to generate a comparable amount themselves, following a two-year notice to TVA. Both shortening and lengthening of contract terms were also discussed. Over the coming months, TVA and distributor representatives will be discussing these various options, including the terms and conditions under which these options could be made available. Some of these terms and conditions could include the establishment of new wholesale rates for distributors who acquire power from a source other than TVA (which rates could be higher or lower than full-requirements rates, depending upon the option a distributor may select), as well as the agreement by distributors to pay stranded costs to TVA under certain circumstances. These discussions are preliminary, and, as with any contractual discussions, the results may differ materially from the options discussed above. See "Rates, Customers and Market" — "Municipal and Cooperative Distributors" in the current Information Statement.

## DESCRIPTION OF BONDS

### General

The Bonds are to be issued pursuant to authority vested in TVA by the Act and pursuant to the Basic Tennessee Valley Authority Power Bond Resolution adopted on October 6, 1960, as amended on September 28, 1976, October 17, 1989 and March 25, 1992 (the “Basic Resolution”), and the Supplemental Resolution authorizing the Bonds adopted as of February 17, 1999 (the “Supplemental Resolution” and together with the Basic Resolution, the “Resolutions”). In connection with the issuance of the Bonds, TVA will enter into a Global Agency Agreement to be dated July 9, 2001 (the “Global Agency Agreement”), with The Chase Manhattan Bank, as global agent (including its successors, the “Global Agent”) and, acting through its London branch, as paying agent (including its successors, the “Sterling Paying Agent”). The U.S. Secretary of the Treasury has approved the time of issuance of, and the maximum rate of interest to be borne by, the Bonds in compliance with Section 15d(c) of the Act. The Bonds represent obligations of TVA payable solely from TVA’s Net Power Proceeds and are not obligations of, or guaranteed by, the United States of America.

The Act authorizes TVA to issue and sell bonds, notes and other evidences of indebtedness (hereinafter collectively referred to as “Evidences of Indebtedness”) to assist in financing its power program and to refund such Evidences of Indebtedness. Evidences of Indebtedness issued pursuant to Section 2.2 of the Basic Resolution designated as Tennessee Valley Authority Power Bonds are herein referred to as “Power Bonds.” The aggregate amount of Evidences of Indebtedness at any one time outstanding is limited to U.S.\$30 billion. As of March 31, 2001, TVA had approximately U.S.\$23.7 billion, DM1.5 billion (issued in September 1996) and £200 million (issued in December 1998) of Evidences of Indebtedness outstanding. At the time TVA issued the DM and British pound sterling Evidences of Indebtedness, TVA entered into currency swap agreements to hedge against fluctuations in such currencies. For information with respect to TVA’s Power Bonds and the Basic Resolution, see “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Issuance of Additional Bonds and Other Evidences of Indebtedness” in the current Information Statement.

The summaries herein of certain provisions of the Act, the Resolutions and the Global Agency Agreement do not purport to be complete and are qualified in their entirety by reference to all the provisions of the Act, the Resolutions and the Global Agency Agreement, copies of which may be obtained upon written request directed to Tennessee Valley Authority, 400 West Summit Hill Drive, Knoxville, Tennessee 37902-1401, Attention: Senior Manager, Investor Relations, or by calling 1-888-882-4975 in the United States.

The Bonds will be Power Bonds as defined above and will be payable as to both principal and interest solely from TVA’s Net Power Proceeds, which are defined as the remainder of TVA’s Gross Power Revenues (as defined in the Basic Resolution) after deducting the costs of operating, maintaining and administering its power properties (including multiple-purpose properties in the proportion that multiple-purpose costs are allocated to power) and payments to states and counties in lieu of taxes, but before deducting depreciation accruals or other charges representing the amortization of capital expenditures, plus the net proceeds of the sale or other disposition of any Power Facility (as defined in the Basic Resolution) or interest therein. The Act also requires TVA to make certain payments to the U.S. Treasury each year from Net Power Proceeds in excess of those required for debt service as a return on and reduction of the Appropriation Investment (as defined in the Basic Resolution). See “Certain Provisions of the Tennessee Valley Authority Act” — “Payments to the Treasury” in the current Information Statement.

The Bonds rank equally as to the application of Net Power Proceeds with all other Power Bonds. As to the application of Net Power Proceeds, Power Bonds currently rank senior to other Evidences of Indebtedness as to principal and on parity with or senior to other Evidences of Indebtedness as to interest. At some future date prior to maturity of the Bonds, TVA may issue Evidences of Indebtedness other than Power Bonds that rank on parity with the Bonds as to principal. For a further discussion of the application of Net Power Proceeds, see “Certain Provisions of the Tennessee Valley Authority Act” and “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Application of Net Power Proceeds” and — “Fourth Amendatory Resolution to the Basic Resolution” in the current Information Statement.

There is no limit on other indebtedness or securities which may be issued by TVA and no financial or similar restrictions on TVA, except as provided under the Act, the Basic Resolution and the Supplemental Resolution. TVA issues its Discount Notes pursuant to Section 15d of the Act and in accordance with Section 2.5 of the Basic Resolution. TVA may also issue Other Indebtedness in addition to Power Bonds and Discount Notes. Other Indebtedness is issued pursuant to Section 15d of the Act and under appropriate authorizing resolutions. See “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” in the current Information Statement.

In accordance with Public Law No. 105-62, enacted in 1997, TVA is required, in the absence of sufficient appropriations, to fund nonpower programs that constitute “essential stewardship activities” with revenues derived from one or more of various sources, including power program revenues, notwithstanding provisions of the Act and Resolutions to the contrary. See the discussion of Public Law No. 105-62 in “Public Law No. 105-62” in the current Information Statement. Under the Supplemental Resolution, actions taken pursuant to Public Law No. 105-62 shall not be considered an event of default or breach under the Resolutions.

### **Legal Ownership**

As discussed below under “Book-Entry System,” TVA will issue the Bonds through the book-entry system maintained by DTC. As a result, and so long as the Bonds are represented by the Global Bond, the only registered holder of the Global Bond will be Cede or such other entity in whose name the Global Bond is registered (the “Holder”).

### **Book-Entry System**

The Bonds will be represented by one or more global securities (collectively, the “Global Bond”) registered in the name of Cede, as nominee of DTC. The Global Bond will be held by the Global Agent, at its New York branch, as custodian for DTC. The Bonds will be issued only in fully registered form, without coupons, and, in the case of any definitive bonds issued in exchange for the Global Bond, as provided below, in denominations of £1,000 and integral multiples thereof.

Except as set forth below, the Global Bond may be transferred, in whole and not in part, only to DTC, another nominee of DTC or a successor of DTC or its nominee.

Beneficial interests in the Bonds will be represented, and transfers of such beneficial interests will be effected, through accounts of financial institutions acting on behalf of beneficial owners as direct and indirect participants in DTC. Such beneficial interests will be in denominations of £1,000 and integral multiples thereof. Investors may hold beneficial interests in the Bonds through DTC, Euroclear or Clearstream, Luxembourg, if such investors are participants in such systems, or indirectly through organizations that are participants in such systems. Through their indirect accounts at DTC, Euroclear and Clearstream, Luxembourg hold beneficial interests in the Bonds on behalf of their own participants.

DTC may grant proxies or otherwise authorize DTC participants (or persons holding beneficial interests in the Bonds through such DTC participants) to exercise any rights of the Holder or take any other actions that a Holder is entitled to take under the Resolutions, the Global Agency Agreement or the Bonds. Under its usual procedures, DTC would mail an omnibus proxy to TVA assigning Cede’s consenting or voting rights to those DTC participants to whose accounts the Bonds are credited on a record date as soon as possible after such record date.

Persons who are not DTC participants may beneficially own the Bonds held by DTC only through direct or indirect participants in DTC, including Euroclear and Clearstream, Luxembourg. So long as Cede, as the nominee of DTC, is the Holder, Cede for all purposes will be considered the Holder under the Resolutions, the Global Agency Agreement and the Bonds. Except as provided in “Definitive Bonds” below, owners of beneficial interests in the Bonds represented by the Global Bond will not be entitled to have Bonds registered in their names, will not receive or be entitled to receive physical delivery of Bonds in definitive form and will not be considered to be Holders under the Resolutions, the Global Agency Agreement or the Bonds.

Accordingly, any person owning a beneficial interest in the Bonds represented by the Global Bond must rely on the procedures of DTC and, to the extent relevant, Euroclear or Clearstream, Luxembourg, and, if such person is not a participant, on the procedures of the participant through which such person owns its interest, to exercise any rights of a Holder. TVA understands that, under existing industry practice, in the event that an owner of a beneficial interest in the Bonds represented by the Global Bond desires to take any action that Cede, as the Holder, is entitled to take, Cede would authorize the participants to take such action, and the participants would authorize beneficial owners owning through such participants to take such action or would otherwise act upon the instructions of beneficial owners owning through them.

### **Payment of Principal and Interest**

The Bonds will consist of £250,000,000 aggregate principal amount of 5.625% Tennessee Valley Authority Global Power Bonds 2001 Series B Due June 7, 2032 (the “Maturity Date”). Interest on the Bonds will be payable annually in arrears on June 7 of each year (each an “Interest Payment Date”), commencing June 7, 2002. Such interest payments will include any interest accrued from and including July 9, 2001, or the preceding Interest Payment Date, as the case may be, to but excluding the relevant Interest Payment Date. In the case of less than full interest periods, interest on the Bonds will be calculated on the basis of the actual number of days elapsed in the interest payment period divided by 365. The Bonds will be repaid at 100 percent of the principal amount thereof, together with the interest accrued and unpaid thereon, on the Maturity Date. The Bonds are not entitled to the benefit of any sinking fund. TVA will make principal and interest payments on the Bonds on the applicable payment dates to the Sterling Paying Agent or the Global Agent, as the case may be.

Pursuant to the Global Agency Agreement and except as described below, TVA has directed the Global Agent or Sterling Paying Agent, as the case may be, to make payments of principal and interest on the Bonds to the Holder, which shall be a nominee of DTC as long as DTC holds the Global Bond. TVA understands that DTC will, upon receipt of any payment of principal of or interest on the Global Bond, credit DTC participants’ accounts with payment in amounts proportionate to their respective beneficial interests in the principal amount of the Global Bond as shown on the records of DTC. Payments by DTC participants to owners of beneficial interests in the Bonds held through such participants will be the responsibility of such participants, as is now the case with securities held for the accounts of customers registered in “street name.” Distributions with respect to interests in the Bonds held through Euroclear or Clearstream, Luxembourg will be credited to the cash accounts of Euroclear participants or Clearstream, Luxembourg participants in accordance with the relevant system’s rules and procedures, to the extent received by its depository. None of TVA, the Global Agent or the Sterling Paying Agent will have any responsibility or liability for any aspect of the records relating to, or payments made or to be made on account of, beneficial ownership interests in the Bonds or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Payment of principal of and interest on the Global Bond will be made to the Sterling Paying Agent in British pounds sterling. Except as described below, investors holding beneficial interests in the Bonds through Euroclear or Clearstream, Luxembourg will be paid in British pounds sterling.

Direct participants in DTC’s book-entry system shall receive payments of principal and interest in respect of the Bonds in U.S. dollars, unless such DTC direct participant elects to receive payments in British pounds sterling. See “Clearance and Settlement.” In the event that a DTC direct participant shall not have made such election in respect of any payment of principal or interest, the aggregate amount designated for such DTC direct participants in respect of such payment (the “Sterling Conversion Amount”) shall be converted (or caused to be converted) by the Global Agent (or, if TVA has appointed a leading foreign exchange bank in connection with the Bonds (the “Exchange Dealer”), the Exchange Dealer) into U.S. dollars and paid by the Global Agent by wire transfer of same-day funds to the Holder for payment through DTC’s settlement system to the relevant DTC participants. TVA understands that Euroclear and Clearstream, Luxembourg will elect to receive all payments of principal and interest in respect of the Bonds held through them in British pounds sterling. In the event that such election is not made, each individual owner of a beneficial interest in the Global Bond holding through Euroclear or Clearstream, Luxembourg must make arrangements with Euroclear or Clearstream, Luxembourg, in accordance with their usual rules and operating procedures in order

to avoid payment in U.S. dollars. All costs of any conversion into U.S. dollars will be borne by the relevant owners of beneficial interests receiving such payments by deduction from such payments. Any such conversion shall be based on The Chase Manhattan Bank's (or, if an Exchange Dealer has been appointed, the Exchange Dealer's) bid quotation, at or prior to 11:00 a.m., New York time, on the second Business Day preceding the relevant payment date, for the purchase by the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) of the Sterling Conversion Amount of U.S. dollars for settlement on such payment date. If such bid quotation is not available for any reason, the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) shall endeavor to obtain a bid quotation from a leading foreign exchange bank in New York City selected by the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) for such purpose. If no bid quotation from a leading foreign exchange bank is available, payment of the Sterling Conversion Amount will be made in British pounds sterling to the account or accounts specified by DTC to the Sterling Paying Agent.

In addition to acting in its capacities as Sterling Paying Agent and Global Agent, The Chase Manhattan Bank may act as a foreign exchange dealer for purposes of converting British pounds sterling to U.S. dollars as described in the paragraph above and, when acting as a foreign exchange dealer, The Chase Manhattan Bank will derive profits from such activities in addition to the fees earned by it for its services as Sterling Paying Agent and Global Agent. Each such conversion will be made on such terms, conditions and charges not inconsistent with the terms of the Bonds as The Chase Manhattan Bank (or, if an Exchange Dealer has been appointed, the Exchange Dealer) may from time to time establish in accordance with its regular foreign exchange practices, and subject to applicable U.S. law and regulations. All determinations of the Sterling Conversion Amounts shall be at the sole discretion of the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) and, in the absence of manifest error, shall be conclusive and binding. TVA shall have no liability with respect to any such determinations.

A DTC direct participant may elect to receive payment of the principal of, or interest with respect to, the Bonds in British pounds sterling by causing DTC to notify the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) and the Sterling Paying Agent by the time specified below of (i) such DTC direct participant's election to receive all or a portion of such payment in British pounds sterling and (ii) wire transfer instructions to a British pound sterling account in the United Kingdom. Such election in respect of any payment must be made by the DTC direct participant at the time and in the manner required by the DTC procedures applicable from time to time and shall, in accordance with such procedures, be irrevocable and shall relate only to such payment. See "Currency Conversion and Foreign Exchange Risks." DTC notifications of such election, wire transfer instructions and the amount payable in British pounds sterling must be received by the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) and the Sterling Paying Agent prior to 5:00 p.m. New York time on the fifth New York Business Day (as defined herein) following the relevant Record Date in the case of interest, and prior to 5:00 p.m. New York time on the tenth New York Business Day prior to the payment date for the payment of principal. Any payments in British pounds sterling shall be made by wire transfer of same-day funds to British pound sterling accounts designated by DTC. The term "New York Business Day" shall mean any day other than a Saturday or Sunday or a day on which banking institutions in New York City are authorized or required by law or executive order to close. The term "Record Date" with respect to any Interest Payment Date shall be the date fifteen calendar days prior to such Interest Payment Date, whether or not such date shall be a Business Day.

Any interest not punctually paid or duly provided for will cease to be payable to the person in whose name the Bonds are registered on the Record Date and may be paid to the person in whose name the Bonds are registered at the close of business on a special record date for the payment of such defaulted interest to be fixed by TVA or may be paid at any time in any other lawful manner not inconsistent with the requirements of the Stock Exchanges.

If the British pound sterling is converted into or replaced by another currency pursuant to law having general and direct applicability to the United Kingdom (including, for the avoidance of doubt, European Community laws), any payment in respect of the Bonds by TVA shall be made in the currency into or by which the British pound sterling has been so converted or replaced, based on the conversion or other equivalency rate prescribed by law having general and direct applicability in the United Kingdom (including,

for the avoidance of doubt, European Community laws) at the time of such payment. If any currency is introduced in the United Kingdom on the basis of a legally enforceable equivalency to the British pound sterling pursuant to law having general and direct applicability in the United Kingdom (including, for the avoidance of doubt, European Community laws) in preparation for conversion of the British pound sterling into, or replacement of the British pound sterling by, such other currency, TVA shall be entitled, at its option, to make any payment in respect of the Bonds in such other currency based on the equivalency rate prescribed by law having general and direct applicability in the United Kingdom (including, for the avoidance of doubt, European Community laws) at the time of such payment. A payment made by TVA in a currency other than the British pound sterling in accordance with the terms of this paragraph shall not, by itself, constitute a default in TVA's obligations under the Bonds. The occurrence or nonoccurrence of a currency conversion, replacement or introduction of a type described in this paragraph, by itself, shall not (i) be deemed to be a modification or amendment of the terms or provisions of the Bonds by TVA, (ii) entitle TVA to avoid its obligations under the Bonds or (iii) entitle TVA or any Holder to rescission of the purchase and sale of any Bond or to reformation of any of the terms or provisions thereof on the grounds of impossibility or impracticability of performance, frustration of purpose or otherwise.

In any case in which an Interest Payment Date or a Maturity Date is not a Business Day, payment of principal or interest, as the case may be, by TVA to the Holder shall be made on the next succeeding Business Day with the same force and effect as if made on such Interest Payment Date or Maturity Date. The term "Business Day" shall mean any day other than a Saturday or Sunday or a day on which banking institutions in New York City or London, England, are authorized or required by law or executive order to be closed.

Certain certification requirements are applicable to payments of interest on the Bonds. The Holder or other persons otherwise required to withhold tax may require the beneficial owner of a Bond, as a condition of payment of amounts due with respect to such Bond, to present on a timely basis an appropriate United States Internal Revenue Service Form W-8BEN (or other appropriate form) to enable such person to determine its duties and liabilities with respect to any taxes or other charges that may be required to be deducted or withheld under U.S. law or any reporting or other requirements thereunder. See "United States Tax Matters." In the event that any withholding or other tax or information reporting requirements should be imposed by any jurisdiction, TVA has no obligation to pay additional interest or other amounts as a consequence thereof or to redeem the Bonds prior to their stated maturity.

### **Definitive Bonds**

If DTC notifies TVA that it is unwilling or unable to continue as depository for the Global Bond or ceases to be a clearing agency registered under the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") at a time when it is required to be so registered and a successor depository is not appointed by TVA within 90 days after receiving such notice or becoming aware that DTC is no longer so registered, TVA will issue or cause to be issued Bonds in definitive form in exchange for the Global Bond. Bonds issued in definitive form will be issued only in fully registered form, without coupons, in denominations of £1,000 and integral multiples thereof. Any Bonds so issued will be registered in such names, and in such denominations, as DTC shall request. In the event that TVA issues Bonds in definitive registered form, TVA will appoint a paying and transfer agent in Luxembourg (the "Luxembourg Paying and Transfer Agent"). Such Bonds may be presented for registration of transfer or exchange, in whole or in part, at the office of the Global Agent in New York City or the office of the Luxembourg Paying and Transfer Agent in Luxembourg, and principal thereof and interest thereon will be payable at the offices of the Global Agent, the Sterling Paying Agent or the Luxembourg Paying and Transfer Agent (upon presentation and surrender of such Bonds in the case of payments of principal), provided that interest thereon may be paid by check mailed to the registered holders of the definitive Bonds or, at the option of TVA, by electronically transferring funds to such holders. The Sterling Paying Agent or the Luxembourg Paying and Transfer Agent shall make all payments of principal of and interest on a Bond in definitive form to the holder thereof in British pounds sterling unless the holder of such Bond makes an election to receive such payments in U.S. dollars in accordance with the terms of the Bond. If any payment upon the maturity of a Bond in definitive form is due on a Business Day which is not a day on which banks are open for business in Luxembourg (or in New York City, if any payment is made by

the Global Agent, or in London, if any payment is made by the Sterling Paying Agent), then payment will not be made on any of the Bonds presented for payment in Luxembourg until the next succeeding day which is both a Business Day and a day on which banks are open for business in Luxembourg, New York City or London, as the case may be. Payment on such succeeding day will be with the same force and effect as if made on the due date for payment, and no additional payment will be made in respect of such delay. In the case of a transfer in part of a holding of Bonds held in definitive form, a new definitive Bond shall be issued to the transferee in respect of the part transferred and a further new definitive Bond shall be issued to the transferor in respect of the balance of the holding of Bonds not transferred. Such new definitive Bonds shall be available at the office of the Luxembourg Paying and Transfer Agent or the Global Agent, as the case may be.

### **Redemption**

The Bonds will not be subject to redemption prior to maturity.

### **Agents**

TVA has agreed, in each case subject to applicable laws and regulations and the provisions of the Global Agency Agreement, the Bonds and the Resolutions, so long as the Bonds are outstanding to maintain a Global Agent (or, if an Exchange Dealer has been appointed, an Exchange Dealer) and Sterling Paying Agent, and, so long as the Bonds are listed on the Luxembourg Stock Exchange, to maintain a Special Agent in Luxembourg, which will act as an intermediary between TVA and investors in the Bonds. The Global Agent will initially be The Chase Manhattan Bank, and the Sterling Paying Agent will initially be The Chase Manhattan Bank, acting through its London branch. The Special Agent initially will be Kredietbank S.A. Luxembourgeoise. The addresses of the Global Agent and the Special Agent for the Bonds are set forth on the back cover page hereof.

The Global Agency Agreement may be modified or amended by the mutual agreement of TVA and the Global Agent, without the consent of Holders or beneficial owners of the Bonds, in order (1) to add other covenants and agreements to be observed by TVA or to eliminate any right, power or privilege conferred upon TVA, (2) to correct any defect, ambiguity or inconsistency in, or to make provisions in regard to matters or questions arising under, the Global Agency Agreement, so long as such amendments are not contrary to, or inconsistent with, the Global Agency Agreement or the Bonds, (3) to effect the issuance of additional Bonds in one or more future installments as discussed below under “Possible Future Issuances” or (4) to make any other modification or amendment to the Global Agency Agreement which TVA in its written opinion to the Global Agent may determine will not materially and adversely affect the interests of Holders or beneficial owners of the Bonds, to all of which the Holder and each beneficial owner of any Bond shall, by acceptance of such Bonds, consent.

### **Governing Law**

The Global Agency Agreement and the Bonds shall be governed by and construed in accordance with the laws of the State of New York, to the extent such laws are not inconsistent with U.S. federal law. Absent TVA’s submission to service of process in the United Kingdom and submission to the jurisdiction of the English courts, suit could not be brought by a Holder or beneficial owner of Bonds in the United Kingdom.

In the event an action based on the Bonds were commenced in a state court in the State of New York, the Judiciary Law of the State of New York would require that such court grant judgment in British pounds sterling but that such judgment be converted into U.S. Dollars at the rate of exchange prevailing on the date of entry of the judgment. Accordingly, owners of beneficial interests in the Bonds would bear the risk of exchange rate fluctuations between the time the amount of the judgment is calculated and the time such amount is converted from U.S. dollars into British pounds sterling.

### **Listing**

Application has been made to list the Bonds on the Luxembourg Stock Exchange and the New York Stock Exchange.

## Notices

All notices and other communications regarding the Bonds will be delivered in writing to the Holder. If at the time of such notice the Bonds are represented by the Global Bond, such notice shall be delivered to DTC and shall be deemed to have been given three Business Days after delivery to DTC. If at the time of such notice the Bonds are not represented by the Global Bond, such notice shall be delivered to the registered holders of the Bonds and in such case shall be deemed to have been given three Business Days after the mailing of such notice by first class mail.

Copies of notices by TVA regarding the Bonds will also be published (a) in a leading daily newspaper in the English language and of general circulation in New York, (b) in a leading daily newspaper in the English language and of general circulation in London, and (c) so long as the Bonds are listed on the Luxembourg Stock Exchange and the rules of such Stock Exchange require, in a leading daily newspaper of general circulation in Luxembourg. It is expected that copies of such notices will normally be published in *The Wall Street Journal* in New York, *The Financial Times* in London and the *Luxemburger Wort* in Luxembourg.

## Modification and Amendment

TVA may modify or amend any of the terms or provisions of the Bonds in accordance with the provisions for such modifications and amendments contained in the Basic Resolution. See “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Modifications of Resolutions and Outstanding Bonds” in the current Information Statement. Notwithstanding such provisions contained in the Basic Resolution, TVA may not change the currency of payment of principal of or interest on the Bonds without the consent of the Holder (other than as described in the third to the last paragraph under “Payment of Principal and Interest” above).

## Events of Default; No Acceleration Rights

The Bonds will not contain any provisions permitting acceleration of maturity thereof on the occurrence of any default. For a description of events constituting a default under the Bonds and the rights of Holders of the Bonds upon the occurrence of such events, see “Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Events of Default” in the current Information Statement.

## Possible Future Issuances

The Supplemental Resolution provides that, at the option of TVA, additional Bonds may be issued in one or more future installments pursuant to an amendment to the Supplemental Resolution not requiring the consent of Holders of Bonds. Additional Bonds of a series so issued shall be identical in all respects to the series of Bonds offered hereby (with any related changes in the issue date, issue price and interest commencement date).

## CLEARANCE AND SETTLEMENT

### The Clearing Systems

Clearstream Banking, *société anonyme*, Luxembourg (“Clearstream, Luxembourg”) and Euroclear Bank S.A./N.V. as the operator of the Euroclear System (“Euroclear”) each holds securities for its customers and facilitates the clearance and settlement of securities transactions by electronic book-entry transfer between their respective account holders. Euroclear and Clearstream, Luxembourg provide various services, including safekeeping, administration, clearance and settlement of internationally traded securities and securities lending and borrowing. Euroclear and Clearstream, Luxembourg also deal with domestic securities markets in several countries through established depository and custodial relationships. Euroclear and Clearstream, Luxembourg have established an electronic bridge between their two systems across which their respective participants may settle trades with each other.

Euroclear and Clearstream, Luxembourg customers are world-wide financial institutions, including underwriters, securities brokers and dealers, banks, trust companies and clearing corporations. Indirect access to Euroclear and Clearstream, Luxembourg is available to other institutions that clear through or maintain a custodial relationship with an account holder of either system.

Although DTC, Euroclear and Clearstream, Luxembourg have agreed to the following procedures in order to facilitate transfers of the Bonds among investors holding directly or indirectly through DTC, Euroclear and Clearstream, Luxembourg, they are under no obligation to perform or continue to perform such procedures, and such procedures may be discontinued at any time. None of TVA, the Manager (except as a direct or indirect participant of DTC), the Global Agent, the Sterling Paying Agent or the Exchange Dealer, if appointed, will have any responsibility for the performance by Euroclear or Clearstream, Luxembourg or their respective participants or customers or indirect participants or customers of their obligations under the rules and procedures governing their operations.

### **Initial Settlement**

The Bonds will be delivered at initial settlement to The Chase Manhattan Bank, in New York, as custodian for DTC. Initial settlement for the Bonds will be made in immediately available British pound sterling funds (*i.e.*, for value on the date of delivery of the Bonds). However, the Manager is prepared to arrange for the conversion of U.S. dollars into British pounds sterling to enable United States investors to make payments in British pounds sterling. See “Currency Conversions and Foreign Exchange Risks.”

TVA understands that customary settlement procedures will be followed for participants of each system at initial settlement. Settlement procedures applicable to British pound sterling Eurobonds will be followed for primary market purchasers of Bonds which are Euroclear or Clearstream, Luxembourg participants, and beneficial interests in the Bonds will be credited to their securities accounts on the business day following the settlement date against payment for value on the settlement date. Primary market purchasers which are DTC participants can have their securities accounts with DTC credited with beneficial interests in the Bonds (i) free of payment if they have arranged for payment in British pounds sterling outside DTC and (ii) against payment in U.S. dollars in same-day funds on the settlement date through DTC’s Same-Day Funds Settlement System.

### **Secondary Market Trading**

Secondary market sales of beneficial interests in the Bonds for settlement within each clearing system will be settled in accordance with the rules and procedures established by the relevant system. Sales to be settled within Euroclear or Clearstream, Luxembourg and between Euroclear and Clearstream, Luxembourg will normally settle on a three-Business-Day basis unless parties specify a different period (which may be as short as two Business Days). Sales to be settled within DTC will be settled using the procedures applicable to U.S. corporate debt obligations in DTC’s Same-Day Funds Settlement System in same-day funds, if payment is effected in U.S. dollars, or free of payment, if payment is not effected in U.S. dollars. In such case, separate payment arrangements outside of DTC are required to be made between the DTC participants.

Secondary market sales of beneficial interests in the Bonds for settlement between DTC on the one hand and Euroclear or Clearstream, Luxembourg on the other hand will be settled in accordance with the usual rules and operating procedures established by DTC, Euroclear and Clearstream, Luxembourg. For sales that are cleared and settled through DTC and Euroclear or Clearstream, Luxembourg, because of time zone differences, in some cases the securities account of an investor in one clearing system may be credited during the settlement processing day immediately following the settlement date of the other clearing system, and the cash account will be credited for value on the settlement date but may be available only as of the day immediately following such settlement date.

## CURRENCY CONVERSIONS AND FOREIGN EXCHANGE RISKS

### Currency Conversions

Initial purchasers of the Bonds are required to make payment in British pounds sterling. The Manager is prepared to arrange for the conversion of U.S. dollars into British pounds sterling to enable investors in the United States to make payment in British pounds sterling. Each such conversion will be made by the Manager on such terms and subject to such conditions, limitations and charges as the Manager may from time to time establish in accordance with its regular foreign exchange practices, and subject to applicable U.S. laws and regulations. All costs of conversions will be borne by such investors. See “Foreign Exchange Risks.”

TVA is required to make principal and interest payments in respect of the Bonds in British pounds sterling. However, a DTC direct participant will be paid in U.S. dollars converted or caused to be converted from such British pounds sterling by the Global Agent (or, if an Exchange Dealer has been appointed, the Exchange Dealer) unless the DTC direct participant elects to receive payments in British pounds sterling as described herein. TVA understands that Euroclear and Clearstream, Luxembourg will elect to receive all payments of principal and interest in respect of the Bonds held through them in British pounds sterling. In the event that such election is not made, each individual holder of a beneficial interest in the Global Bond holding through Euroclear or Clearstream, Luxembourg must make arrangements with Euroclear or Clearstream, Luxembourg, in accordance with their usual rules and procedures, in order to avoid payment in U.S. dollars. See “Description of Bonds” — “Payment of Principal and Interest.”

As long as the Bonds continue to be represented by the Global Bond, a holder of a beneficial interest in the Bonds may elect to receive payment in respect of principal or interest on the Bonds in British pounds sterling instead of U.S. dollars, as set forth under “Description of Bonds” — “Payment of Principal and Interest,” by notifying the DTC participant through which the Bonds are held on or prior to the applicable Record Date of (i) such investor’s election to receive all or a portion of such payment in British pounds sterling, and (ii) wire transfer instructions to a British pound sterling account in the United Kingdom. DTC must be notified of such election and wire transfer instructions on or prior to the third New York Business Day after such Record Date for any payment of interest, and, on or prior to the twelfth day prior to the payment of principal. DTC will notify the Global Agent and the Sterling Paying Agent of such election and wire transfer instructions on or prior to 5:00 p.m. New York time on the fifth New York Business Day after such Record Date for any payment of interest and on or prior to 5:00 p.m. New York time on the fifth New York Business Day after such Record Date for any payment of interest and on or prior to 5:00 p.m. New York time on the tenth New York Business Day prior to the payment of principal. If complete instructions are forwarded to DTC through DTC participants and by DTC to the Global Agent and the Sterling Paying Agent on or prior to such dates, such investor will receive payment in British pounds sterling outside DTC; otherwise, only U.S. dollar payments will be made by the Global Agent to DTC. All costs of such payment by wire transfer will be borne by holders of beneficial interests receiving such payments by deduction from such payments. See “Description of Bonds” — “Payment of Principal and Interest.”

### Foreign Exchange Risks

An investment in securities that are denominated in, and all payments in respect of which are to be made in, a currency other than the currency of the country in which the purchaser is resident or the currency in which the purchaser conducts its business or activities (the “home currency”) entails significant risks not associated with a similar investment in a security denominated in the home currency. Such risks include, without limitation, the possibility of significant changes in rates of exchange between the home currency and the U.S. dollar or British pound sterling and the possibility of the imposition or modification of foreign exchange controls with respect to the U.S. dollar or British pound sterling. Such risks generally depend on events over which TVA has no control, such as economic and political events and the supply of and demand for the U.S. dollar or British pound sterling and the home currency. In recent years, rates of exchange for certain currencies have been highly volatile, and such volatility may be expected to continue in the future. Fluctuations in any particular exchange rate that have occurred in the past are not necessarily indicative, however, of fluctuations in such rate that may occur during the term of the Bonds. Depreciation of the U.S.

dollar or British pound sterling against the relevant home currency could result in a decrease in the effective yield of the Bonds below the interest rate thereof and, in certain circumstances, could result in a loss to the investor on a home currency basis. TVA will not adjust or change the terms of the Bonds in the event that exchange rates become fixed, or in the event of any devaluation or revaluation or imposition of exchange or other regulatory controls or taxes, or in the event of other developments, affecting the U.S. dollar, the British pound sterling or any applicable currency or currency unit.

This description of foreign currency risks does not describe all the risks of an investment in securities denominated in a currency other than the home currency. Prospective investors should consult their own financial and legal advisers as to the risks involved in an investment in the Bonds.

## **LEGALITY OF INVESTMENT IN THE UNITED STATES**

Generally the following describes the legality of investment in the United States in Power Bonds.

Power Bonds are lawful investments and may be accepted as security for all fiduciary, trust and public funds, the investment or deposit of which shall be under the authority or control of any officer or agency of the United States of America. 16 U.S.C. § 831n-4(d).

Power Bonds are acceptable as collateral for U.S. Treasury tax and loan accounts pursuant to 31 C.F.R. § 203.24(d), unless specified otherwise by the U.S. Treasury.

U.S. national banks may deal in, underwrite and purchase Power Bonds for their own accounts in an amount not to exceed 10 percent of unimpaired capital and surplus. 12 U.S.C. § 24, seventh paragraph.

U.S. Federal Reserve Banks may accept Power Bonds as eligible collateral for advances to member banks. 12 U.S.C. § 347 and 12 C.F.R. § 201.108(b)(13).

U.S. federal savings associations and U.S. federal savings banks may, to the extent specified in applicable regulations, invest in Power Bonds without regard to limitations generally applicable to investments. 12 U.S.C. § 1464(c)(1)(F).

Power Bonds are eligible as collateral for advances by U.S. Federal Home Loan Banks to members for which Power Bonds are legal investments. 12 U.S.C. § 1430(a) and 12 C.F.R. § 935.9(a)(2).

U.S. federal credit unions may purchase Power Bonds, subject to applicable regulations. 12 U.S.C. § 1757(7)(E) and 12 C.F.R. Part 703.

Power Bonds are “obligations of a corporation which is an instrumentality of the United States” within the meaning of Section 7701(a)(19)(C)(ii) of the Internal Revenue Code for purposes of the 60 percent of assets limitation applicable to U.S. building and loan associations.

## **UNITED STATES TAX MATTERS**

The following summary of certain United States federal income and estate tax and certain limited state and local tax consequences (where specifically noted) of the purchase, ownership and disposition of the Bonds has been prepared by Orrick, Herrington & Sutcliffe LLP, as special U.S. tax counsel to TVA, and is based upon laws, regulations, rulings and decisions, which are subject to change at any time, possibly with retroactive effect. The discussion does not address all aspects of United States federal income and estate taxation that may be relevant to a particular investor in light of its personal investment circumstances or to certain types of investors subject to special treatment under the United States federal income tax laws (for example, brokers, security dealers, traders in securities that elect to mark to market, banks, life insurance companies, tax-exempt organizations and, with limited exceptions, foreign investors), and generally does not address state and local taxation. Further, the discussion is limited to persons who will hold the Bonds as capital assets and does not deal with United States federal income tax consequences applicable to persons who will hold the Bonds in the

ordinary course or as an integral part of their trade or business, or as part of a hedging, straddle, integrated or conversion transaction or persons whose functional currency is not the U.S. dollar. Furthermore, it does not address alternative minimum tax consequences or the indirect effects on the holders of equity interests in a Bondholder. Each prospective owner of a Bond is urged to consult with its own tax advisor with respect to the United States federal, state and local tax consequences associated with the purchase, ownership, and disposition of a Bond, as well as the tax consequences arising under the laws of any other taxing jurisdiction, and may not construe the following discussion as legal advice. In this regard, it should be noted that the Bonds are not subject to redemption by reason of the imposition of withholding or other tax by any jurisdiction, and TVA has no obligation to pay additional interest or other amounts if any withholding or other tax is imposed on payments on the Bonds (including any withholding tax that may be imposed as a result of a beneficial owner's failure to provide an applicable United States Internal Revenue Service form).

For purposes of this subsection ("Tax Considerations Applicable to Bonds"), "U.S. Person" means a citizen or resident of the United States, a corporation or (except as may be provided in Treasury Regulations) partnership organized in or under the laws of the United States or any political subdivision thereof, an estate the income of which is includible in gross income for United States tax purposes regardless of its source or a trust if a United States court is able to exercise primary supervision over administration of the trust and one or more U.S. Persons have authority to control all substantial decisions of the trust. The term "U.S. beneficial owner" means a U.S. Person that is a beneficial owner of a Bond and any other person which is a beneficial owner of a Bond that is otherwise subject to United States federal income taxation on a net basis in respect of income attributable to a Bond.

## **U.S. Beneficial Owners**

### *General*

A U.S. beneficial owner is subject to federal income taxation on income on a Bond. The Act, however, provides that bonds issued by TVA are "exempt both as to principal and interest from all taxation now or hereafter imposed by any State or local taxing authority except estate, inheritance and gift taxes." This exemption might not extend to franchise or other nonproperty taxes in lieu thereof imposed on corporations or to gain or loss realized upon the sale or exchange of a Bond, notwithstanding that such gain might in some cases be treated as interest income for United States federal income tax purposes. Additionally, it is unlikely that this exemption would apply to any foreign currency exchange gain or loss realized by a U.S. beneficial owner of a Bond (as discussed below).

Interest on a Bond will be taxable to a U.S. beneficial owner at the time that it is received or accrued, depending upon the U.S. beneficial owner's method of accounting for United States federal income tax purposes. There is no special exemption for a Bond from United States federal income, estate and gift tax.

Upon a sale or exchange of a Bond, a U.S. beneficial owner generally will recognize capital gain or loss equal to the difference between the amount realized on the sale or exchange (not including any amounts attributable to accrued and unpaid interest) and the U.S. beneficial owner's adjusted basis for the Bond for federal income tax purposes.

### *Market Discount*

If a U.S. beneficial owner purchases a Bond for less than its stated redemption price at maturity, in general, that difference will be market discount (unless the discount is less than  $\frac{1}{4}$  of 1 percent of the stated redemption price at maturity of the Bond multiplied by the number of complete years remaining to maturity). In general, under the market discount rules, unless the U.S. beneficial owner elects to include market discount in income currently, any gain on a disposition of a market discount Bond will be ordinary income to the extent of accrued market discount, and deductions for some or all of the interest on any indebtedness incurred or continued to purchase or carry the Bond may be deferred until the disposition of the Bond. Any election to include market discount in income currently generally applies to all debt instruments acquired by the electing U.S. beneficial owner during or after the first taxable year to which the election applies and is irrevocable

without the consent of the United States Internal Revenue Service. A U.S. beneficial owner should consult a tax advisor before making the election.

#### *Premium*

A U.S. beneficial owner who purchases a Bond for an amount greater than the amount payable at maturity of the Bond may elect to amortize the bond premium. In the case of a U.S. beneficial owner that makes an election to amortize bond premium or has previously made an election that remains in effect, amortizable bond premium on the Bond generally will be treated as a reduction of the interest income on a Bond on a constant-yield basis (except to the extent regulations may provide otherwise) over the term of the Bond. The basis of a debt obligation purchased at a premium is reduced by the amount of amortized bond premium. An election to amortize bond premium generally applies to all debt instruments (other than tax-exempt obligations) held by the electing U.S. beneficial owner on the first day of the first taxable year to which the election applies or thereafter acquired by such owner, and is irrevocable without consent of the United States Internal Revenue Service. A U.S. beneficial owner should consult a tax advisor before making the election.

#### *Foreign Currency Considerations.*

Special rules will apply in the case of a U.S. beneficial owner that acquires a Bond. Thus, a cash-basis U.S. beneficial owner of a Bond will be required (on receipt of interest payments on the Bond) to include the U.S. dollar value of these payments in income based on the “spot rate” for British pounds sterling on the date that the payments are received. No additional foreign currency exchange or loss will be recognized by the owner on the receipt of the interest payments (although, on any subsequent sale, exchange or other disposition of the British pounds sterling received as interest on the Bonds, including the conversion of this sterling into U.S. dollars, the U.S. beneficial owner will be required to recognize foreign currency exchange or loss computed by reference to the beneficial owner’s basis in the sterling and the amount realized in connection with such sale, exchange or other disposition, with any such gain or loss being ordinary income or loss and generally not treated as interest income or expense). An accrual basis U.S. beneficial owner will be required to include in income each taxable year the U.S. dollar value of the interest that accrued on the Bond during that year, determined based on the average rate of exchange for the period or periods during which the interest accrued. The average rate of exchange for an interest accrual period is generally the simple average of the exchange rates for each business day of the applicable period (or other average that is reasonably derived and consistently applied by the holder). An accrual basis holder may, however, elect to translate interest income at the spot rate on the last day of the accrual period (or last day of the taxable year in the case of an accrual period that straddles the holder’s taxable year) or on the date the interest payment is received if that date is within five business days of the end of the accrual period. Any such election, if made, will apply to all debt securities held or subsequently acquired by the U.S. beneficial owner on or after the first day of the first taxable year to which the election applies and is irrevocable without the consent of the IRS. Upon receipt the interest payment, an accrual basis U.S. beneficial owner will (additionally) need to recognize foreign currency exchange gain or loss in an amount equal to the difference between the U.S. dollar value of the payment (determined based on the spot rate for British pounds sterling on the date that the payment is received) and the U.S. dollar value of the interest income that the owner has previously included in income with respect to the payment. Any such gain or loss will be ordinary income or loss and will generally not be treated as interest income or expense. Finally, upon any subsequent sale, exchange or other disposition of the British pound sterling received as interest on the Bonds, the U.S. beneficial owner will be required to recognize foreign currency exchange gain or loss computed by reference to the beneficial owner’s basis in the British pound sterling and the amount realized in connection with such sale, exchange or other disposition, with any such gain or loss being ordinary income or loss and generally not treated as interest income or expense.

A U.S. beneficial owner’s tax basis in the Bond will be the U.S. dollar value of the British pounds sterling amount paid for the Bond determined at the time of purchase. In the case of a cash basis taxpayer (and also, if it so elects, an accrual basis taxpayer), this amount will be determined by reference to the spot rate in effect on the settlement date for the purchase. If a U.S. beneficial owner uses British pounds sterling to acquire the

Bond, the owner will recognize foreign currency exchange gain or loss at the time of the acquisition based on the difference, if any, between the holder's tax basis in the British pounds sterling used to effect the acquisition and the fair market value of the Bond in U.S. dollars on the date of purchase. Any such gain or loss will be ordinary income or loss and will generally not be treated as interest income or expense.

For purposes of determining the amount of any gain or loss recognized by a U.S. beneficial owner on the sale, exchange, redemption or other disposition of a Bond for British pounds sterling, the amount realized will be the U.S. dollar value of the amount realized on the disposition (other than amounts attributable to accrued but unpaid interest), determined at the time of disposition. In the case of a cash basis taxpayer (and also, if it so elects, an accrual basis taxpayer), this amount will be determined by reference to the spot rate in effect on the settlement date for the sale, exchange, redemption or other disposition. Any such gain or loss will generally be capital gain or loss (except as provided above in connection with the rules relating to market discount), but only to the extent in excess of any foreign currency exchange gain or loss realized in connection with the sale, exchange, redemption or other disposition of a Sterling Bond (as described below).

A U.S. beneficial owner will recognize foreign currency exchange gain or loss attributable to the movement in exchange rates between the time of purchase and the time of sale, exchange, redemption or other disposition of a Bond — generally measured by reference to the difference in spot rates at the time of purchase and the time of disposition. This gain or loss will be recognized, however, only to the extent of the owner's overall gain or loss on the disposition, with this gain or loss being treated as ordinary income or loss and generally not as interest income or expense.

The foregoing does not address the foreign currency consequences of an acquisition of a bond at a market discount or at a premium. U.S. beneficial owners are urged to consult their own tax advisors as to these consequences.

#### **Non-U.S. Beneficial Owners**

Generally, a Bondholder that is not a U.S. Person and that has no connection with the United States other than holding the Bond (a "non-U.S. beneficial owner") will not be subject to United States federal withholding tax on interest paid by TVA on a Bond. To qualify for the exemption from withholding, the last U.S. Person in the chain of payment prior to payment to a non-U.S. beneficial owner (the "Withholding Agent") must have received in the year in which such a payment occurs, or in either of the two preceding years, a statement that (i) is signed by the beneficial owner under penalties of perjury, (ii) certifies that such owner is not a U.S. beneficial owner and (iii) provides the name and address of the beneficial owner. The statement may be made on a United States Internal Revenue Service Form W-8BEN or, in the case of certain non-U.S. beneficial owners, Form W-8EXP (collectively, "Form W-8") or substantially similar substitute form, and the beneficial owner must inform the Withholding Agent of any change in the information on the statement within 30 days of such change. In certain circumstances, the above-described certification can be provided by a securities clearing organization or by certain other financial institutions and qualified intermediaries pursuant to recently finalized Treasury Regulations (the "New Regulations"), provided that the non-U.S. beneficial owner of the Bond has provided such entity with appropriate certification or documentation establishing its foreign status. Additionally, the New Regulations require, in the case of Bonds held by a foreign partnership, that (a) the certification described above be provided by the partners rather than by the foreign partnership and (b) the partnership provide certain information, including a United States taxpayer identification number. Prospective investors are urged to consult their own tax advisors regarding the effect and application of the New Regulations.

Generally, any amount which constitutes capital gain to a non-U.S. beneficial owner upon retirement or disposition of a Bond will not be subject to U.S. federal income taxation. Certain exceptions may be applicable and individual non-U.S. beneficial owners are particularly urged to consult a tax advisor. Generally, the Bonds will not be includible in the U.S. federal estate of a non-U.S. beneficial owner.

## **Backup Withholding**

Backup withholding of United States federal income tax at a rate of 31 percent may apply to payments made in respect of the Bonds to beneficial owners who are not exempt recipients and who fail to provide certain identifying information (such as the beneficial owner's taxpayer identification number) in the manner required. Generally, individuals are not exempt recipients, whereas corporations and certain other entities generally are exempt recipients. Payments made in respect of the Bonds to a U.S. beneficial owner must be reported to the United States Internal Revenue Service, unless such U.S. beneficial owner is an exempt recipient or establishes an exemption. Compliance with the identification procedures (described in the preceding section) would generally establish an exemption from backup withholding for those non-U.S. beneficial owners who are not exempt recipients.

In addition, upon the sale of a Bond to (or through) a broker, the broker must withhold at a rate of 31 percent of the reportable payment, unless either (i) the broker determines that the seller is a corporation or other exempt recipient or (ii) the seller provides, in the required manner, certain identifying information and, in the case of a non-U.S. beneficial owner, certifies that such seller is a non-U.S. beneficial owner (and certain other conditions are met). Such a sale must also be reported by the broker to the United States Internal Revenue Service, unless either (i) the broker determines that the seller is an exempt recipient or (ii) the seller certifies its non-U.S. status (and certain other conditions are met). Certification of the beneficial owner's non-U.S. status usually would be made on Form W-8 under penalties of perjury, although in certain cases it may be possible to submit other documentary evidence. The term "broker" generally includes all persons who, in the ordinary course of a trade or business, stand ready to effect sales made by others, as well as brokers and dealers registered as such under the laws of the United States or a state. These requirements generally will apply to a United States office of a broker, and the information reporting requirements generally will apply to a foreign office of a United States broker, as well as to a foreign office of a foreign broker if the broker is (i) a controlled foreign corporation within the meaning of Section 957(a) of the Internal Revenue Code, (ii) a foreign person 50 percent or more of whose gross income from all sources for the 3-year period ending with the close of its taxable year preceding the payment (or for such part of the period that the foreign broker has been in existence) was effectively connected with the conduct of a trade or business within the United States or (iii) a foreign partnership if it is engaged in a trade or business in the United States or if 50 percent or more of its income or capital interests are held by U.S. Persons.

Generally, any amounts withheld under the backup withholding rules from a payment to a beneficial owner would be allowed as a refund or credit against such beneficial owner's United States federal income tax.

## SUBSCRIPTION AND SELLING

Subject to the terms and conditions set forth in the Subscription Agreement dated June 29, 2001, TVA has agreed to sell to Morgan Stanley & Co. International Limited (the “Manager”) and the Manager has agreed to purchase, £250,000,000 aggregate principal amount of the Bonds.

The Subscription Agreement provides that the obligations of the Manager are subject to certain conditions precedent and that the Manager will be obligated to purchase all of the Bonds if any are purchased.

The Manager has advised TVA that it proposes to offer all or part of the Bonds directly to the public initially at the offering prices set forth on the cover page of this Offering Circular and to dealers at such prices less a concession not in excess of 0.20% of the principal amount thereof. The Manager may allow and such dealers may reallow discounts not in excess of 0.20% of the principal amount of the Bonds to certain other dealers. After the initial offering, the public offering price and concession may be changed.

The Manager represents, warrants and agrees to and with TVA that such Manager and its Affiliates (as defined herein) (i) have not offered or sold Bonds and, prior to six months after the issuance of the Bonds, will not offer or sell any Bonds to persons in the United Kingdom except to persons whose ordinary activities involve them in acquiring, holding, managing or disposing of investments (as principal or agent) for the purposes of their businesses or otherwise in circumstances which have not resulted and will not result in an offer to the public in the United Kingdom within the meaning of the Financial Services Act and the Public Offers of Securities Regulations 1995 (as amended); (ii) have complied and will comply with all applicable provisions of the Financial Services Act 1986 (as amended) with respect to anything done by them in relation to the Bonds in, from or otherwise involving the United Kingdom; and (iii) have only issued or passed on and will only issue or pass on in the United Kingdom any document received by them in connection with an issue of Bonds to a person who is of a kind described in Article 11(3) of the Financial Services Act 1986 (Investment Advertisements) (Exemptions) Order 1996 (as amended) or is a person to whom such document may otherwise lawfully be issued or passed on.

The term “Affiliate” means any person that directly, or indirectly through one or more intermediaries, controls, is controlled by, or is under common control with the Manager. For purposes of this definition of Affiliate, the term “control” (including the terms “controlled by” and “under common control with”) means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies, including without limitation the investment or trading decisions of a person, whether through ownership of voting securities, by contract or otherwise.

Purchasers of Bonds may be required to pay stamp taxes and other charges in accordance with the laws and practices of the country of purchase in addition to the issue price set forth above.

All secondary trading in Bonds will settle in immediately available funds. See “Clearance and Settlement” — “Secondary Market Trading.”

TVA has agreed to indemnify the Manager against certain civil liabilities.

In connection with issuing the Bonds, TVA entered into a related transaction with an Affiliate of the Manager, as a result of which the Affiliate may receive compensation.

## GENERAL INFORMATION

1. The issuance of the Bonds was authorized pursuant to the Resolutions. At the date of issue, all necessary legal authorizations for issuance of the Bonds will have been obtained by TVA.

2. The Bonds have been accepted for clearance by Euroclear and Clearstream, Luxembourg. The identifying numbers are as set forth on page C-8.

3. There has been no material adverse change in the financial position of TVA since March 31, 2001.

4. There is no litigation, actual or threatened, which relates to TVA and to which TVA is a party or of which TVA has been notified that it will be made a party which is material in the context of the issuance of the Bonds which is not described in the Offering Circular or the current Information Statement.

5. In connection with the Luxembourg Stock Exchange listing application, copies of the Act, the Resolutions and a legal notice relating to the issuance of the Bonds will be deposited prior to listing with the *Greffier en Chef du Tribunal D'Arrondissement de et à Luxembourg*, where copies thereof may be obtained upon request. Copies of the Act, the Resolutions, the Fiscal Agency Agreement, annual and quarterly financial report, and Information Statements and supplements thereto of TVA will be available for inspection and may be obtained at the office of the Special Agent, free of charge, as long as the Bonds are listed on the Luxembourg Stock Exchange.

**VALIDITY OF BONDS**

The validity of the Bonds will be passed upon for TVA by Maureen H. Dunn, Esq., Executive Vice President and General Counsel of TVA, and for the Manager by Sullivan & Cromwell, 1701 Pennsylvania Avenue, N.W., Washington, D.C. 20006, U.S.A.

\* \* \* \* \*

Any statements in this Offering Circular involving matters of opinion, whether or not expressly so stated, are intended as such and not as representations of fact. This Offering Circular is not to be construed as a contract or agreement with the purchaser of any of the Bonds.

TENNESSEE VALLEY AUTHORITY

By:                   /s/ DAVID N. SMITH                    
David N. Smith  
*Chief Financial Officer*

Dated July 5, 2001

## INFORMATION STATEMENT

### TENNESSEE VALLEY AUTHORITY

#### A Wholly Owned Corporate Agency and Instrumentality of the United States of America

The Tennessee Valley Authority (“TVA” or the “Corporation”) presents this Information Statement (this “Statement”) for the information of potential purchasers of (1) its Power Bonds (“Power Bonds”), (2) its Discount Notes (“Discount Notes”) and (3) any other evidences of indebtedness (“Other Indebtedness”) it may issue pursuant to the Tennessee Valley Authority Act of 1933, as amended (the “Act”). TVA issues Power Bonds pursuant to the Act and the Basic Tennessee Valley Authority Power Bond Resolution adopted by the Board of Directors of TVA (the “Board”) on October 6, 1960, as amended on September 28, 1976, October 17, 1989, and March 25, 1992 (the “Basic Resolution”). TVA issues Discount Notes and Other Indebtedness pursuant to the Act and their authorizing resolutions. Power Bonds, Discount Notes and Other Indebtedness are collectively referred to in this Statement as “Evidences of Indebtedness.”

TVA may offer Power Bonds and Other Indebtedness from time to time. TVA may offer Discount Notes for sale on a continuous basis by direct placement or through selected investment dealers, dealer banks, underwriters or underwriting syndicates. For each offering of Power Bonds, except for Power Bonds offered under a program on a continuous basis, TVA will prepare an offering circular describing the specific terms and conditions of the Power Bonds offered. For Power Bonds offered under a program on a continuous basis, TVA will prepare a single offering circular that describes the general terms and conditions common to all securities issued under the program. TVA will also prepare a single offering circular describing the general terms and conditions common to all Discount Note offerings. For offerings of Other Indebtedness, TVA will either prepare an offering circular describing the specific terms and conditions of the particular offering or a more general offering circular, as TVA deems appropriate. For any offerings made through a program under which Other Indebtedness, Discount Notes or Power Bonds are offered on a continuous basis, the offering circular will describe how, if at all, the offering circular will be supplemented in order to reflect, among other things, the specific terms and conditions of the securities being offered. You should read this Statement, as it may be supplemented or amended, together with the appropriate offering circular, as it may be supplemented or amended, for each offering.

For each offering of an Evidence of Indebtedness, you should rely only on the information contained in (1) this Statement, (2) the relevant offering circular and (3) any supplements or amendments to these documents approved by TVA. TVA has not authorized anyone to provide you with any information that is different from that found in this Statement and each relevant offering circular. This Statement does not constitute an offer to sell or a solicitation of an offer to buy any Evidences of Indebtedness in any jurisdiction to any person to whom it is unlawful to make an offer or solicitation.

This Statement is accurate only as of its date. TVA may supplement, amend or replace this Statement from time to time, generally no more often than annually, to reflect its annual financial results or otherwise as TVA deems appropriate. However, TVA assumes no further duty to update this Statement. You should rely on the most recent supplements or amendments to or replacement of this Statement over different information in this Statement.

You may obtain additional copies of this Statement by writing to Tennessee Valley Authority, 400 West Summit Hill Drive, Knoxville, Tennessee 37902-1401, Attention: Senior Vice President and Treasurer or by calling (865) 632-3366.

*Evidences of Indebtedness are not obligations of the United States of America, and the United States of America does not guarantee the payment of the principal of or interest on any Evidences of Indebtedness. TVA is not required to register Evidences of Indebtedness under the Securities Act of 1933 or to make periodic reports to the Securities and Exchange Commission under the Securities Exchange Act of 1934. TVA does not intend to register any of its Evidences of Indebtedness or file any reports with the Securities and Exchange Commission.*

**The date of this Information Statement is February 8, 2001.**

## FORWARD-LOOKING STATEMENTS

This Statement contains forward-looking statements relating to future events and future performance. Any statements regarding expectations, beliefs, plans, projections, estimates, objectives, intentions or assumptions or otherwise relating to future events or performance may be forward-looking. Some examples include statements regarding TVA's projections of future power and energy requirements, future costs related to environmental compliance and targets for TVA's future competitive position. Although TVA believes that the assumptions underlying the forward-looking statements in this Statement are reasonable, TVA does not guarantee the accuracy of these statements. Numerous factors could cause actual results to differ materially from those in forward-looking statements. Such factors include, among other things, new laws and regulations, especially those related to the restructuring of the electric power industry and various environmental matters; increased competition among electric utilities; legal and administrative proceedings affecting TVA; the financial environment; performance of TVA's generating facilities; fuel prices; the demand for electricity; weather conditions; changes in accounting standards; and unforeseeable events.

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## TENNESSEE VALLEY AUTHORITY

TVA is one of the largest electric power systems in the United States, having produced over 151 billion kilowatt-hours (“kWh”) of electricity in fiscal 2000. TVA is a wholly owned corporate agency and instrumentality of the United States of America established by the Act to develop the resources of the Tennessee Valley region.

Historically, the programs at TVA have consisted of power and nonpower programs. Revenues and expenses of the power program are segregated from other revenues and expenses. Substantially all of TVA’s revenues and assets are attributable to its power program.

The Act requires the power program to be self-supporting from power system revenues and capital TVA raises through its power program borrowings. The Act authorizes TVA to issue Evidences of Indebtedness in an amount not exceeding \$30 billion outstanding at any one time, the proceeds of which may be used only for the power program. See “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness.”

Prior to fiscal 2000, congressional appropriations provided most of the funding for TVA’s nonpower programs. TVA has obtained additional funds from revenues and user fees from the nonpower programs. In 1997, Congress enacted appropriations legislation that anticipated no further appropriations for the nonpower programs in fiscal years following 1998. This legislation required TVA, in the absence of appropriations, beginning in fiscal 1999, to fund certain nonpower programs constituting essential stewardship activities from various sources, which may include power revenues. Because Congress has not provided appropriations for TVA’s nonpower programs since fiscal 1999, TVA primarily is using power funds (along with user fees, other forms of nonpower revenues and nonpower fund balances unused in prior years) for its essential stewardship activities in compliance with the 1997 appropriations legislation. In fiscal 2000, TVA spent approximately \$40 million more in power funds on essential stewardship activities than it did in fiscal 1999 (see note 10 of the accompanying Financial Statements — Nonpower programs), and TVA expects in fiscal 2001 to spend approximately the same amount on such activities as it did in fiscal 2000. For a further discussion of this matter see “Public Law No. 105-62.”

Congress reserved the right in the Act to alter, amend or repeal the Act but provided that no amendment or repeal shall operate to impair the obligation of any contract made by TVA in the exercise of any power conferred by the Act. For a discussion of legislation relating to the Act, see “Public Law No. 105-62.”

TVA is administered by a board of three persons appointed by the President and confirmed by the United States Senate (the “Senate”). Appointments are for nine-year staggered terms, with one term expiring each three-year interval. The Board has the sole authority to determine the rates TVA charges for power. The Act requires the rates to be sufficient to cover certain costs. See “The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness” — “Rate Covenant” and “Competition.”

The Act requires TVA to annually file a financial statement and complete report as to its business with the President and Congress. The Act authorizes the Comptroller General of the United States to periodically audit the transactions of TVA.

Under certain circumstances, the Act permits TVA to borrow up to \$150 million for a period of one year or less from the United States Treasury (the “Treasury”). The Act requires TVA to obtain the approval of the Secretary of the Treasury of the issue date and maximum interest rate for any issuance of an Evidence of Indebtedness with a term of one year or longer. The Office of Management and Budget treats TVA’s borrowing authority as budget authority for purposes of the budget of the United States.

Income on Evidences of Indebtedness issued by TVA is subject to United States federal income taxation and various other federal tax consequences. There is no special exemption for Evidences of Indebtedness from federal estate and gift taxes. Under the Act, Evidences of Indebtedness are exempt both as to principal and interest from all taxation now or hereafter imposed by any state or local taxing authority except estate, inheritance and gift taxes. This exemption might not extend to franchise or other nonproperty taxes imposed on corporations or to gain or loss realized upon the sale or exchange of an Evidence of Indebtedness even though such gain might in some cases be treated as interest income for federal income tax purposes.

## SELECTED FINANCIAL DATA

The following selected financial data of TVA's power program for the fiscal years 1996 through 2000 have been derived from TVA's audited financial statements. These data should be read in conjunction with the audited financial statements and notes thereto (the "Financial Statements") presented herein.

### Condensed Statements of Income (in millions)

	Fiscal Years Ended September 30,				
	2000	1999	1998	1997	1996
Operating revenues .....	\$6,762	\$6,595	\$6,729	\$5,934	\$5,951
Operating expenses .....	5,019	4,926	4,549	4,080	3,914
Operating income .....	1,743	1,669	2,180	1,854	2,037
Other income (expense), net.....	17	10	12	157	(10)
Income before interest expense and cumulative effect of change in accounting principle .....	1,760	1,679	2,192	2,011	2,027
Net interest expense .....	1,736	1,777	1,959	2,003	1,966
Cumulative effect of change in accounting principle .....	—	217	—	—	—
Net income .....	<u>\$ 24</u>	<u>\$ 119</u>	<u>\$ 233</u>	<u>\$ 8</u>	<u>\$ 61</u>

### Condensed Balance Sheets (in millions)

	September 30,				
	2000	1999	1998	1997	1996
<b>Assets</b>					
Current assets .....	\$ 1,426	\$ 1,318	\$ 1,656	\$ 1,399	\$ 1,306
Property, plant and equipment .....	28,314	28,417	28,891	29,298	29,521
Investment funds .....	840	731	578	561	440
Deferred charges and other assets .....	2,601	2,920	2,490	2,426	2,762
TOTAL ASSETS .....	<u>\$33,181</u>	<u>\$33,386</u>	<u>\$33,615</u>	<u>\$33,684</u>	<u>\$34,029</u>
<b>Liabilities and Proprietary Capital</b>					
Current liabilities .....	\$ 4,793	\$ 3,117	\$ 4,440	\$ 3,853	\$ 5,101
Other liabilities .....	2,455	2,156	2,007	1,704	1,580
Long-term debt .....	21,753	23,903	23,020	24,152	23,320
Proprietary capital .....	4,180	4,210	4,148	3,975	4,028
TOTAL LIABILITIES AND PROPRIETARY CAPITAL .....	<u>\$33,181</u>	<u>\$33,386</u>	<u>\$33,615</u>	<u>\$33,684</u>	<u>\$34,029</u>

**COMPARATIVE FIVE-YEAR DATA  
STATISTICAL AND FINANCIAL SUMMARIES**

	Fiscal Years Ended September 30,				
	2000	1999	1998	1997	1996
<b>Sales (millions of kWh)</b>					
Municipalities and cooperatives .....	125,991	122,880	123,330	114,771	117,035
Industries directly served .....	22,204	22,885	18,514	17,359	16,599
Federal agencies and other(a) .....	11,376	10,190	21,293	27,198	19,964
Total sales .....	<u>159,571</u>	<u>155,955</u>	<u>163,137</u>	<u>159,328</u>	<u>153,598</u>
<b>Operating revenues (millions of dollars)</b>					
<b>Electric</b>					
Municipalities and cooperatives .....	\$5,676	\$5,510	\$5,554	\$4,811	\$4,980
Industries directly served .....	626	642	523	464	452
Federal agencies and other(a) .....	361	357	556	561	430
Other .....	99	86	96	98	89
Total revenues .....	<u>\$6,762</u>	<u>\$6,595</u>	<u>\$6,729</u>	<u>\$5,934</u>	<u>\$5,951</u>
Electric revenue per kWh (cents) .....	4.18	4.17	4.07	3.66	3.82
<b>Winter net dependable generating capacity (megawatts)</b>					
Hydro(b) .....	5,544	5,492	5,491	5,384	5,298
Fossil .....	15,042	15,049	15,003	15,014	15,012
Nuclear units in service .....	5,729	5,729	5,620	5,625	5,545
Combustion turbine .....	3,154	2,232	2,384	2,394	2,268
Total capacity .....	<u>29,469</u>	<u>28,502</u>	<u>28,498</u>	<u>28,417</u>	<u>28,123</u>
<b>System peak load (megawatts) — summer</b> .....	29,344	28,295	27,253	26,661	25,376
<b>System peak load (megawatts) — winter</b> .....	25,940	26,388	23,204	26,670	25,995
<b>Percent gross generation by fuel source</b>					
Fossil .....	63%	63%	62%	61%	65%
Hydro .....	6%	7%	10%	11%	11%
Nuclear .....	31%	30%	28%	28%	24%
<b>Fuel cost per kWh (cents)</b>					
Fossil .....	1.27	1.28	1.25	1.23	1.23
Nuclear .....	.49	.51	.71	.58	.56
Aggregate fuel cost per kWh net thermal generation .....	1.05	1.05	1.10	1.04	1.06
<b>Fuel data</b>					
Net thermal generation (millions of kWh) .....	143,224	137,169	139,727	135,735	131,898
Billion Btu .....	1,470,452	1,403,110	1,426,151	1,381,837	1,338,157
Fuel expense (millions of dollars) .....	1,504	1,434	1,538	1,406	1,395
Cost per million Btu (cents) .....	102.29	102.21	107.81	101.73	104.22
Net heat rate, fossil only (average Btu per kWh) .....	10,267	10,229	10,207	10,180	10,145

(a) Sales and revenues have been adjusted to include sales to other utilities.

(b) Includes 405 megawatts of dependable capacity from the U.S. Army Corps of Engineers' projects on the Cumberland River System.

## MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

### Results of Operations

#### FISCAL 2000 COMPARED TO FISCAL 1999

##### *Operating Revenues*

Operating revenues were \$6,762 million in fiscal 2000, compared with \$6,595 million in fiscal 1999. The \$167 million increase was primarily due to an increase in energy sales to municipalities and cooperatives as a result of the hot summer during fiscal 2000. Accordingly, total kWh sales increased 3.6 billion kWh, from 156.0 billion in fiscal 1999 to 159.6 billion in fiscal 2000.

##### *Operating Expenses*

Operating expenses increased \$93 million, or 2 percent, from \$4,926 million in fiscal 1999 to \$5,019 million in fiscal 2000. This increase was primarily due to higher fuel and purchased power expense of \$183 million in fiscal 2000 as a result of hotter summer weather and increased power demand, and establishment of a \$75 million inventory valuation reserve, partially offset by a \$140 million reduction in the amount of accelerated amortization recorded in fiscal 2000 (see note 1 of the accompanying Financial Statements — Accelerated amortization).

##### *Interest Expense*

Net interest expense declined \$41 million from \$1,777 million in fiscal 1999 to \$1,736 million in fiscal 2000. Total outstanding indebtedness as of September 30, 2000, was \$26.0 billion, with an average interest rate of 6.83 percent; as of September 30, 1999, this amount outstanding was \$26.4 billion, with an average interest rate of 6.83 percent.

#### FISCAL 1999 COMPARED WITH FISCAL 1998

##### *Operating Revenues*

Operating revenues were \$6,595 million in fiscal 1999, compared with \$6,729 million in fiscal 1998. The \$134 million decrease was primarily due to a reduction in wholesale sales to other utilities related to mild weather and a weaker spot market for power during fiscal 1999.

##### *Operating Expenses*

Total operating expenses increased \$377 million, from \$4,549 million in fiscal 1998 to \$4,926 million in fiscal 1999. This increase was primarily due to a \$261 million charge for the acceleration of the amortization of regulatory assets (see note 1 of the accompanying Financial Statements — Accelerated amortization) coupled with a \$111 million increase in the amortization of regulatory assets attributable to the reclassification of certain nuclear fuel costs (see note 1 of the accompanying Financial Statements — Other deferred charges).

##### *Interest Expense*

Net interest expense declined \$182 million from \$1,959 million in fiscal 1998 to \$1,777 million in fiscal 1999. This reduction largely reflects savings associated with the refinancing of \$3.2 billion of debt issues formerly held by the Federal Financing Bank. Total outstanding indebtedness as of September 30, 1999, was \$26.4 billion, with an average interest rate of 6.83 percent; as of September 30, 1998, this amount outstanding was \$26.7 billion, with an average interest rate of 7.45 percent.

### Liquidity and Capital Resources

#### *Capital Structure*

During the first 25 years of TVA's existence, the U.S. Government made appropriation investments in TVA power facilities. In 1959 TVA received congressional approval to issue bonds to finance its growing power program. For the past four decades, TVA's power program has been required to be self-supporting. As a result, TVA funds its capital requirements through internal cash generation or through borrowings (subject to a congressionally mandated \$30 billion limit).

A return on the U.S. Government's initial appropriation investment in TVA power facilities, plus a repayment of the initial investment, is specified by law. The payment for fiscal 2000 was \$54 million, and total cumulative repayments and return on investment by TVA to the Treasury exceed \$3 billion.

#### *Cash Flows*

Net cash provided by power program operations for fiscal 2000, 1999 and 1998 was \$1,584 million, \$1,431 million and \$1,394 million, respectively. This positive trend reflects improvements

made in TVA's operations during the three-year period.

Net cash used in investing activities for fiscal 2000, 1999 and 1998 was \$1,035 million, \$956 million and \$742 million, respectively. The \$79 million increase from fiscal 1999 to fiscal 2000 was primarily due to an increase in construction expenditures of \$38 million reflecting the construction of natural gas combustion turbines for peaking power and an increase in nuclear fuel enrichment and fabrication costs of \$49 million.

Net cash used in financing activities for fiscal 2000, 1999 and 1998 was \$304 million, \$763 million and \$560 million, respectively. For fiscal 2000 the cash used in financing activities reflects the aggregate net reduction of total outstanding debt of \$391 million coupled with borrowing costs and other financing costs of \$202 million, offset by the proceeds from combustion turbine financing of \$300 million.

#### *Capital Resources*

During fiscal 2000, 1999 and 1998, TVA accessed the capital markets through cost-effective long-term financing structures and continued to expand its investor base by tapping the global and domestic institutional and retail debt markets. During fiscal 2000 TVA entered the bond market with seven issues. TVA tapped the retail markets in February 2000 by issuing five callable bonds totaling \$250 million with maturities ranging from 5 to 30 years. In May TVA issued 12-year bonds with a two-year put feature and a par value of \$750 million, and because of the favorable response, issued an additional \$250 million in July. The final bond offering of \$1 billion in June targeted global investors and reestablished TVA's benchmark in the 30-year sector. In September TVA received approximately \$300 million in proceeds by entering into a lease-leaseback transaction. The proceeds from these financing transactions were used to refinance existing debt.

#### **Market Risk**

##### *Risk Policies*

TVA is exposed to market risks, including changes in interest rates, foreign currency exchange rates and volatility of certain commodity and equity market prices. To manage the volatility attributa-

ble to these exposures, TVA has entered into various nontrading derivative transactions, principally an interest rate swap agreement, foreign currency swap contracts, forwards, futures and option contracts. TVA has established its Risk Management Committee, which maintains responsibility for reviewing and approving controls and procedures for TVA-wide risk management activities including the oversight of models and assumptions used to measure risk, the review of counterparty exposure limits and the establishment of formal procedures for use of financial hedging instruments.

TVA is exposed to losses in the event of counterparties' nonperformance and accordingly has established controls to determine the creditworthiness of counterparties in order to mitigate exposure to counterparty credit risk. With respect to hedging activities, TVA risk management policies allow the use of derivative financial instruments to manage financial exposures but prohibit the use of these instruments for speculative or trading purposes. Prior to October 1, 2000, TVA's effective implementation date for Statement of Financial Accounting Standards ("SFAS") No. 133, *Accounting for Derivative Instruments and Hedging Activities*, TVA accounted for such hedging activities using the deferral method, with gains and losses recognized in the accompanying financial statements when the related hedged transaction occurs. See further discussion related to TVA's fiscal 2001 adoption of SFAS No. 133 at *New Accounting Pronouncements*.

##### *Interest Rate and Foreign Currency Risk*

TVA manages its daily cash needs through issuance of Discount Notes and other short-term borrowings. These borrowings with maturities of less than one year expose TVA to fluctuations in short-term interest rates. TVA is not exposed to changes in interest rates on most of its long-term debt until such debt matures and may be refinanced at the then-applicable rates. An interest rate swap is used to hedge TVA's exposure related to its inflation-indexed accreting principal bonds, and currency swap contracts are used as hedges for foreign currency denominated debt issues (see note 5 of the accompanying Financial Statements — Foreign currency transactions and interest rate swap). Based on TVA's overall interest rate exposure at September 30, 2000, including deriva-

tive and other interest rate sensitive instruments, a near-term one percentage point change in interest rates would not have a material impact on TVA's financial position or results of operations for fiscal 2000.

#### *Commodity Price Risk*

TVA is exposed to the impact of market fluctuations in the price and transportation costs of certain commodities and fuels including, but not limited to, coal, natural gas and electricity. TVA employs established policies and procedures to manage risks associated with these market fluctuations by using various commodity-based derivative instruments, including futures, forwards and option contracts. To monitor the risk of commodity trading activities, TVA employs a daily Value at Risk ("VaR") methodology, which utilizes a statistical-based approach to determine adjusted historical changes in the value of a market risk sensitive commodity-based financial instrument to estimate the amount of change in the current value of the instrument that could occur at a specified confidence level over a specified interval. Based on TVA's VaR analysis of its overall commodity price risk exposure at September 30, 2000, management does not anticipate a materially adverse effect on TVA's financial position or results of operations as a result of market fluctuations.

#### *Equity Price Risk*

TVA maintains trust funds, consistent with the United States Nuclear Regulatory Commission requirements, to fund certain costs of decommissioning its nuclear generating units. These funds are managed by various money managers and are primarily invested in marketable equity securities, which are exposed to price fluctuations in equity markets. TVA actively monitors the trust funds' portfolios by benchmarking the performance of their investments against certain price indices. The accounting for nuclear decommissioning recognizes that, based on expected performance of the portfolio, sufficient funds have been set aside to fully fund expected decommissioning obligations, and, therefore, fluctuations in trust fund marketable security returns do not affect the earnings of TVA (see notes 1 and 9 of the accompanying Financial Statements — Decommissioning costs).

#### **Accounting Standards**

TVA accounts for the financial effects of regulation in accordance with SFAS No. 71, *Accounting for the Effects of Certain Types of Regulation*. As a result, TVA records certain regulatory assets and liabilities that would not be recorded on the balance sheet under generally accepted accounting principles for nonregulated entities.

TVA has approximately \$979 million of regulatory assets (see note 1 of the accompanying Financial Statements — Other deferred charges and Debt issue and reacquisition costs) along with approximately \$6.3 billion of deferred nuclear plants as of September 30, 2000. In the event that restructuring of the utility industry changes the application of SFAS No. 71, TVA would be required to evaluate such regulatory assets and deferred nuclear plants under the provisions of SFAS No. 121, *Accounting for the Impairment of Long-Lived Assets and Long-Lived Assets to Be Disposed Of*. SFAS No. 121 establishes criteria for evaluating and measuring asset impairments and states that regulatory assets no longer probable of recovery through future revenues be charged to earnings. Such an event may have a material adverse effect on future results of operations from the write-off of regulatory assets. However, TVA intends to seek full recovery of any regulatory assets that may result from the transition to a competitive market.

#### *New Accounting Pronouncements*

In June 1998 the Financial Accounting Standards Board ("FASB") issued SFAS No. 133, *Accounting for Derivative Instruments and Hedging Activities*, which requires that every derivative instrument (including certain derivative instruments embedded in other contracts) be recorded on the balance sheet as either an asset or a liability measured at its fair value. The statement requires that changes in the derivative's fair value be recognized currently in earnings unless specific hedge accounting criteria are met. In June 2000, the FASB issued SFAS No. 138, *Accounting for Certain Derivative Instruments and Certain Hedging Activities — An Amendment of FASB Statement No. 133*, further clarifying certain SFAS No. 133 implementation issues.

During fiscal 2000 TVA formed a cross-functional team to identify and evaluate business contracts and accounting transactions to determine the applicability of SFAS No. 133, and to develop

required contemporaneous documentation and valuation methodologies for identified contracts to assess the effect on TVA's financial condition and results of operations upon adoption.

Effective October 1, 2000, TVA adopted the provisions of SFAS Nos. 133 and 138. Qualifying derivative contracts consisted of various purchased option contracts and certain currency and interest rate swap agreements (see note 5 of the accompanying Financial Statements — Foreign currency transactions and interest rate swap). TVA determined the fair value of such contracts to be approximately \$51 million at October 1, 2000, by utilizing a variety of independent market sources. In accordance with SFAS No. 133, these contracts qualify for cash-flow hedge treatment. Accordingly, the effective portion of gains and losses related to such contracts is reported in accumulated other comprehensive income, while the ineffective portion is recognized through the creation of a regulatory asset/liability. The amounts accumulated in other comprehensive income and regulatory asset/liability are recognized in earnings upon settlement of the related contracts. Such treatment reflects TVA's ability and intent to account for these derivative instruments on a settlement basis for rate-making purposes. As of October 1, 2000, TVA determined the effective portion of the gains related to the derivative contracts to be approximately \$51 million, which was recorded as a cumulative-effect type transition adjustment of accumulated other comprehensive income and approximately \$0.3 million related to the ineffective portion (loss), which was recorded as a regulatory liability.

In December 1999 the Securities and Exchange Commission ("SEC") issued Staff Accounting Bulletin ("SAB") No. 101, *Revenue Recognition in Financial Statements*, summarizing the SEC's views in applying generally accepted accounting principles to selected revenue recognition issues. Although TVA is not required to do so, it will comply with the statement and believes that its practices already comply with the provisions of the bulletin. Its adoption is expected to have no material impact on TVA's reported results of operations, financial position or cash flows.

The FASB is proceeding with its project regarding accounting practices related to obligations associated with the retirement of long-lived assets and issued an Exposure Draft on *Accounting for Obligations Associated with the Retirement of Long-*

*Lived Assets* in the first quarter of fiscal 2000. The proposed Statement would be effective for financial statements issued for fiscal years beginning after June 15, 2001. A second Exposure Draft on *Accounting for the Impairment or Disposal of Long-Lived Assets and for Obligations Associated with Disposal Activities* is currently out for comment. This proposed Statement would be effective for financial statements issued for fiscal years beginning after December 15, 2001. At the present time, TVA is unable to predict whether the implementation of these standards will be material to its results of operations or financial position.

#### *Nuclear Decommissioning Costs*

The FASB has undertaken a project regarding the accounting for closure and removal of long-lived assets, including the decommissioning of nuclear generating units. The FASB has reached several tentative conclusions with respect to the project; however, it is uncertain when a final statement will be issued and what impact it may ultimately have on TVA's financial position or results of operations.

TVA's accounting policy recognizes all obligations related to closure and removal of its nuclear units as incurred (see note 1 of the accompanying Financial Statements — Decommissioning costs). The liability for closure is measured as the present value of the estimated cash flows required to satisfy the related obligation and discounted at a determined risk-free rate of interest. The corresponding charge to recognize any additional obligation is effected through the creation of a regulatory asset. In addition, earnings from decommissioning fund investments, amortization expense of the decommissioning regulatory asset and interest expense on the decommissioning liability are deferred in accordance with SFAS No. 71.

#### **THE AREA SUPPLIED BY TVA**

TVA supplies power in most of Tennessee, northern Alabama, northeastern Mississippi and southwestern Kentucky, and in small portions of Georgia, North Carolina and Virginia. TVA serves a population of about eight million people. Subject to certain minor exceptions, TVA may not without specific authorization by act of Congress enter into contracts which would have the effect of making it or the distributors of its power a source of power supply outside the area for which TVA or the

distributors were the primary source of power supply on July 1, 1957.

TVA is primarily a wholesaler of power. Its customers are composed of three major groups: (1) distributors, consisting of municipal and cooperative systems; (2) industries that have large or unusual loads; and (3) federal agencies. Additionally, TVA has entered into exchange power arrangements with most of its surrounding electric systems.

## **RATES, CUSTOMERS AND MARKET**

The Act gives the Board sole responsibility for establishing the rates that TVA charges for power and authorizes the Board to include in power contracts terms and conditions that it judges necessary or desirable for carrying out the purposes of the Act. The Act requires TVA to charge rates for power which, among other things, will produce gross revenues sufficient to provide funds for (1) operation, maintenance and administration of its power system; (2) payments to states and counties in lieu of taxes; (3) debt service on outstanding Evidences of Indebtedness; and (4) annual payments to the Treasury in repayment of and as a return on the Government's appropriation investment in TVA power facilities (the "Appropriation Investment"). See "Certain Provisions of the Tennessee Valley Authority Act," "The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness" — "Rate Covenant," and "Public Law No. 105-62." Rates set by the Board are not subject to review or approval by any state or federal regulatory body. See "Competition."

A summary of power program operating revenues by customer type for each of the last five fiscal years ended September 30 is shown in the Comparative Five-Year Data presented on page 3.

### **Municipal and Cooperative Distributors**

Sales to municipal and cooperative distributors accounted for approximately 84 percent of TVA's power revenues in fiscal 2000. TVA has long-term wholesale power contracts with 158 municipal and cooperative distributors. All of these contracts require distributors to purchase substantially all of their electric power and energy requirements from TVA.

All distributors purchase power under one of three basic arrangements. Fifty-eight distributors

purchase power under contracts that require 10 years' notice to terminate and further provide that on each anniversary beginning on the tenth anniversary, one additional year is automatically added to the term. Four distributors have contracts that require 15 years' notice to terminate the contract. On each anniversary of these contracts, beginning on the fifth anniversary, one additional year is automatically added to the term. TVA has also offered distributors the option of moving from 10- or 15-year termination notice periods to a 5-year termination notice period. These contract amendments are conditioned upon notice not being given during the first five years after the effective date of the revision. Ninety-six distributors have entered into contractual arrangements of this type. TVA has agreed that all of these term arrangements are deemed to provide for adequate recovery by TVA of any investment in generation, transformation or transmission facilities for service to the distributor.

A number of TVA distributors, including some with the largest loads, have expressed interest in further revising their wholesale power contracts to allow them more options respecting contract term and other matters, such as purchasing only a portion of their power requirements from TVA. TVA has indicated its willingness to work with distributors to accommodate their desire for more flexibility. In fact, in April 2000, TVA implemented the Wholesale Energy to Market Program. This test program provides an opportunity for distributors of TVA power to gain knowledge and experience about wholesale energy markets while limiting their exposure to risk. On a weekly basis, participating distributors may elect to purchase power (in an amount equal to up to 5 percent of the average weekly energy taken by the distributor from TVA during the TVA fiscal year beginning October 1, 1997) and arrange for its delivery to the TVA system. TVA credits each participating distributor's wholesale power bill for the amount of power the distributor arranges for delivery to the TVA power system at the prices TVA quotes weekly for these deliveries. Each participating distributor continues to be a full requirements customer of TVA and must pay any additional costs incurred by TVA in the event of any disruption of the delivery arrangements made by the distributor under this program. For a discussion of events that may affect TVA's relationships with the distributors of its power, see "Competition."

TVA's wholesale power contracts contain standard provisions specifying the wholesale rates, resale rates and terms and conditions under which power is to be distributed. Under these contracts, TVA, on a quarterly basis, may determine and make adjustments in the wholesale rate schedule with corresponding adjustments in resale rate schedules necessary to enable TVA to meet all requirements of the Act and the financial covenants and provisions of its bond resolutions. The contracts provide for agreement between the parties on general or major changes in both the wholesale and resale rate schedules. If, however, agreement is not reached, the contracts permit TVA to make changes in these schedules to carry out the objectives of the Act, to meet financial requirements and covenants and to comply with the provisions of its bond resolutions.

The power contracts between TVA and the distributors of TVA power specify the resale rates that distributors charge the ultimate power consumers. These rates are revised from time to time to reflect changes in costs, including changes in the wholesale cost of power. They are designed to promote the Act's objective of providing an adequate supply of power at the lowest feasible rates.

#### **Other Sources of Power Revenues**

Revenues from industries and federal agencies directly served and from exchange power arrangements with other power systems and other revenue accounted for approximately 16 percent of TVA's power revenues in fiscal 2000. Contracts with industries directly served by TVA are normally for 10-year terms. These contracts are subject to termination by TVA or the customer upon a minimum notice period that varies according to the customer's contract demand and the period of time service has been provided to the location where it is to be terminated. TVA establishes the rates it charges industries it directly serves. These rates normally are the same as those charged by the distributors of TVA power to large industries (those with demand greater than 25,000 kilowatts). TVA generally sells power to federal agencies under the same contract terms and rates as directly served industries. TVA has exchange power arrangements with 12 neighboring power systems. See note 1 of the accompanying Financial Statements.

#### **COMPETITION**

The electric utility industry has become increasingly competitive over the last decade. Competition is expected to continue to intensify, and restructuring legislation may dramatically change the way electric utilities do business in the future. Among the early initiatives that have begun to promote industry competition is the Energy Policy Act of 1992 (the "Energy Act"). The Energy Act, and related Federal Energy Regulatory Commission ("FERC") orders, already allow competitors of a utility to access that utility's transmission system to sell electricity to other electric power suppliers and wholesale customers. In TVA's case, some special provisions apply.

Under the TVA Act, subject to certain minor exceptions, TVA may not currently enter into contracts that would have the effect of making it or the distributors of its power a source of power supply outside a statutorily specified area. However, under a special provision of the Energy Act (the "anti-cherry-picking provision"), TVA is not required to provide its competitors access to its transmission system to transmit power for consumption within the area that TVA or the distributors of its power may serve. Thus, while TVA may not sell power outside its current service area, its competitors are not allowed to use its transmission system to sell power within TVA's service area.

In the future, it is likely that the current law that serves to limit competition between TVA and its competitors will change. In the past three years, numerous bills have been introduced in Congress designed to restructure the electric utility industry and mandate or promote competition in the industry. Within the context of restructuring legislation, some of the key issues for TVA are: (1) whether TVA rates will be regulated by FERC, (2) whether TVA and the distributors of TVA power will be able to sell power outside the TVA service area and whether TVA will be required to provide its competitors access to its transmission system to transmit power for consumption within the TVA service area, (3) whether Congress will attempt to shorten the terms of TVA's present wholesale power contracts with the distributors of its power and (4) whether TVA will have the right to recover its power system investments that would no longer be economical under full and open market competition (stranded costs).

Since the early days of the federal electric power industry restructuring effort, TVA has been working closely with the Tennessee Valley Public Power Association (“TVPPA”), the association which represents all distributors of TVA power, and the Tennessee Valley Industrial Committee (“TVIC”), an organization representing industries that TVA directly serves, to develop a consensus position on industry restructuring. After a series of negotiations, TVA, TVPPA and TVIC agreed upon the key elements of legislation regarding TVA. This legislation would allow for: (1) simultaneous repeal of the anti-cherry-picking provision and the fence on the effective date of the restructuring legislation, (2) renegotiation of power contract terms with a minimum termination notice period of three years, and a distributor option to take partial requirements from other suppliers with advance notice to TVA, (3) new limitations on TVA retail sales in TVA’s current service area, (4) stranded cost recovery, (5) FERC regulation of TVA’s transmission system, (6) TVA subjection to anti-trust laws (with the exception of civil damages and attorney’s fees), (7) reduction of most of TVA’s existing regulatory role with respect to distributors and (8) limitation on new TVA generation to that needed to meet demand within the current TVA service territory. No provisions were included with respect to TVA wholesale rate regulation. In May 2000, Senators Frist, Thompson and Cochran introduced a bill in the Senate that incorporates this consensus position. TVA anticipates that a similar bill will be introduced during this congressional session.

Other restructuring bills that would affect TVA have been introduced in prior sessions of Congress as part of the federal effort to develop restructuring legislation. Although a great deal of attention has been given to this issue, federal legislation will continue to be debated well into the year 2001 and beyond. Whatever the outcome of the legislative process, TVA’s management has developed and will continue to develop plans and strategies designed to position TVA for competitive success in a restructured industry.

## **POWER AND ENERGY REQUIREMENTS**

TVA prepares annual forecasts of future power and energy requirements as part of its planning and budgeting process. TVA’s forecast procedure involves producing a range of load forecasts for the explicit purpose of bounding the range of uncer-

tainty associated with load growth. TVA produces the load forecasts probabilistically. TVA believes that there is a 90 percent probability that the actual load will be less than the high load forecast, a 50 percent probability that the actual load will be less than medium load forecast and a 10 percent probability that actual load will be less than the low load forecast. TVA’s current load forecast through fiscal 2002 reflects an average annual load growth rate of 2.9 percent, 1.8 percent and 0.8 percent for the high, medium and low load forecasts, respectively. TVA’s total system energy requirements through fiscal 2002 reflect an average annual growth rate of 2.9 percent, 1.9 percent and 0.6 percent for the high, medium and low load forecasts, respectively. Numerous factors, such as weather conditions and the health of the regional economy, could cause actual results to differ materially from TVA’s forecasts.

## **POWER SYSTEM**

TVA’s power system is one of the largest in the United States in capacity and in energy production. Its size permitted the construction of large facilities which resulted in lower unit costs. Most of TVA’s dams were completed years ago when construction costs were far below present-day levels. Because most of the dams are multipurpose, their cost is shared by navigation, flood control, recreation and local economic development, as well as by power. Thus, each purpose is served at a substantially lower cost than if the dams had been built for a single purpose.

TVA’s power generating facilities at September 30, 2000, included 29 hydroelectric plants, 11 coal-fired plants, 3 nuclear plants, 1 pumped storage hydroelectric plant and 4 combustion turbine plants. Power is delivered to TVA customers over a transmission system of approximately 17,000 miles of lines, including 2,400 miles of extra-high-voltage (500,000 volt) transmission lines. The system interconnects with neighboring power systems at numerous points. TVA has various types of interchange arrangements with these systems. The extent and types of interchange transactions depend upon the characteristics of the systems’ loads, the management policies of the systems and other factors. Interchange arrangements are an essential part of TVA’s efforts to minimize investment in electrical facilities, increase the reliability of service, effect operating economies and minimize the cost of electric energy.

During the fiscal year ended September 30, 2000, 63 percent of the power generated by the TVA coordinated system was by fossil-fired plants and combustion turbines, 31 percent by nuclear and 6 percent by hydro. Coal consumption during this time was 41.9 million tons. Coal is purchased under contracts ranging from a single delivery to deliveries over several years. TVA coal inventory levels vary from plant to plant based upon a simulated

inventory model. As of September 30, 2000, TVA had approximately 20 days' coal supply in inventory at full burn. See "Nuclear Power Program" — "Nuclear Fuel" for a discussion of TVA's nuclear fuel supplies. Management believes the sources and availability of fuel materials essential to its business should be adequate for the foreseeable future.

### Generating Resources

The following table summarizes the winter net dependable capacity ("NDC") in megawatts ("MW") on this coordinated system as of September 30, 2000:

	<u>Generating Units</u>	<u>Winter NDC MW(1)</u>
TVA Hydro Plants . . . . .	109	3,289
TAPOCO Hydro Plants . . . . .		318(2)
U.S. Army Corps of Engineers Hydro Plants . . . . .		405(3)
TVA Pumped Storage Facility . . . . .	4	<u>1,532</u>
Total Hydro . . . . .		5,544
Fossil . . . . .	59	15,042
Nuclear . . . . .	5	5,729
Combustion Turbine . . . . .	56	<u>3,154</u>
Total NDC . . . . .		<u><u>29,469</u></u>

- (1) NDC as stated is the net power output which can be obtained for a period adequate to satisfy the daily load patterns under expected conditions of operation with equipment in an average state of maintenance. For planning purposes, TVA currently estimates summer dependable total hydro capacity of approximately 5,770 MW, coal-fired capacity of approximately 14,703 MW, nuclear power capacity of approximately 5,583 MW and combustion turbine capacity of approximately 2,556 MW, for a total summer NDC of approximately 28,612 MW.
- (2) Four hydro plants owned by TAPOCO, Inc., a subsidiary of the Aluminum Company of America ("Alcoa"), are operated as part of the TVA power system. Under contractual arrangements with TAPOCO, electric power generated at these facilities is supplied to TVA. In return, TVA supplies electric power for Alcoa's aluminum plant operations located in Tennessee.
- (3) The U.S. Army Corps of Engineers' plants on the Cumberland River system have a total installed capacity of 975 MW, of which 405 MW of NDC is available to TVA under a marketing agreement with the Southeastern Power Administration.

Under arrangements among TVA, the U.S. Army Corps of Engineers (the "CORPS") and the Southeastern Power Administration ("SEPA"), eight hydro plants of the CORPS on the Cumberland River system are operated in coordination with the TVA system. These arrangements further provide for capacity (405 MW) and energy from the Cumberland River system to be supplied to TVA by SEPA at the points of generation and the price paid for the power to be based on the operating and maintenance expenses and amortization of the power facilities. A portion of the output of the

Cumberland River system is also made available to SEPA's customers outside the TVA region. The agreement with SEPA covering these arrangements for power from the Cumberland River system can be terminated upon three years' notice. This notice may be given beginning June 30, 2017.

TVA has contracted with Choctaw Generation, Inc., to purchase and take delivery of up to 440 MW of power over a 30-year term from a lignite power plant being constructed in Mississippi. Commercial operation of the plant is currently

scheduled for May 2001. The owner of the facility bears the construction and operating risks. If the owner fails to deliver the required energy, the owner will be responsible for securing replacement power for TVA at the contractually agreed price.

TVA installed eight 85 MW natural-gas combustion turbines in time for the summer 2000 peak demands for power. Four units were installed at the Gallatin plant and four at the Johnsonville plant, both of which have existing combustion turbines. TVA is also planning to install up to eight additional 85 MW natural-gas combustion turbines in 2001.

TVA is also supplementing its existing generation portfolio with additional renewable resource

## NUCLEAR POWER PROGRAM

### Overview

TVA has five operating nuclear units, three deferred nuclear units and one inoperative nuclear unit. Selected features of each of these units are described in the chart below.

<u>Nuclear Unit</u>	<u>Status</u>	<u>Installed Capacity (Megawatts)</u>	<u>Average Percent Equivalent Availability for FY 2000(1)</u>	<u>Date of Expiration of Operating License</u>	<u>Date of Expiration of Construction License</u>
Sequoyah Unit One .....	Operating	1,221	89.7	2020	—
Sequoyah Unit Two .....	Operating	1,221	99.1	2021	—
Browns Ferry Unit Two .....	Operating	1,190	98.7	2014	—
Browns Ferry Unit Three .....	Operating	1,190	92.0	2016	—
Watts Bar Unit One .....	Operating	1,270	93.0	2035	—
Watts Bar Unit Two .....	Deferred	—	—	—	2010
Bellefonte Unit One .....	Deferred	—	—	—	2001
Bellefonte Unit Two .....	Deferred	—	—	—	2004
Browns Ferry Unit One .....	Inoperative	—	—	2013	—

(1) The “equivalent availability” is the ratio of energy a unit could have generated, if called on, to the energy the unit would have produced if it had run at full load over the entire period measured, expressed as a percentage.

### Status of Certain Nuclear Units

Preliminary cost estimates showed that completing the units at Bellefonte and Watts Bar Unit Two may not be economically feasible. Consequently, in December 1994 the Board announced that TVA will not, by itself, complete Bellefonte Units One and Two and Watts Bar Unit Two as nuclear units. Additionally, the Board decided that Browns Ferry Unit One would continue in its inoperative status.

TVA has identified as a viable option the conversion of the Bellefonte facility to a combined-

cycle plant utilizing natural gas or gasified coal. In 1997 an independent team of technical and financial experts completed a feasibility study to evaluate options for the conversion of Bellefonte Nuclear Plant to a fossil fuel-fired plant. The feasibility study indicates that one of the most economical fossil conversion strategies is to complete Bellefonte as a natural gas-fired combined-cycle plant. TVA also issued an Environmental Impact Statement (“EIS”) assessing the environmental impacts of various fossil conversion options. The EIS identified the natural gas-fired combined-cycle plant alternative as the preferred option.

## ELECTRICITY FUTURES CONTRACTS

TVA may enter into electricity futures contracts for the sole purpose of limiting or otherwise hedging TVA’s economic risks directly associated with electric power generation, purchases and sales. The Chicago Board of Trade has designated the TVA power transmission system as a hub for electricity futures contracts.

An agreement has been reached between TVA and DOE for TVA to use Watts Bar Unit One and its Sequoyah Nuclear Units, if necessary, to provide irradiation services for the production of tritium, an isotope of hydrogen that is used in all of the United States' nuclear weapons. TVA's efforts during the first three to four years of the proposed agreement would focus on obtaining operating license amendments to allow the provision of irradiation services and on performing any necessary modifications to the plants to enable TVA to provide irradiation services.

At September 30, 2000, TVA's total investment in Bellefonte Units One and Two, Watts Bar Unit Two and Browns Ferry Unit One was \$6.4 billion. TVA's future decisions regarding these units will ultimately impact the method of cost recovery. The Board has determined that it will establish rate adjustments and operating policies to seek full recovery of the cost of these units and compliance with the requirements of the TVA Act.

### **Nuclear Fuel**

TVA owns all nuclear fuel held for its operating and deferred nuclear units. The net book value of this fuel was \$379 million as of September 30, 2000. TVA will fill future uranium requirements by a combination of term and spot purchase contracts while maintaining diversity of supply source. TVA currently has approximately 90 percent of its forward five-year (2001-2005) uranium requirements either in inventory or under contract. TVA generally fills conversion, enrichment and fabrication services needs on a requirements basis under term contracts.

TVA's investment in the fuel being used in the Sequoyah, Watts Bar and Browns Ferry units is being amortized and accounted for as a fuel expense. The Bellefonte initial cores have been defabricated, and uranium from these cores has been used in the Sequoyah and Browns Ferry units with the net book value assigned accordingly.

### **Nuclear Waste**

#### *Spent Nuclear Fuel*

The Nuclear Waste Policy Act of 1982 (the "NWPA") gives the federal government the responsibility for the permanent disposal of spent nuclear fuel but gives each nuclear power system the responsibility for the cost of permanent disposal.

The NWPA requires each nuclear power system to enter into a disposal contract with DOE for spent nuclear fuel. This contract requires each nuclear power system to pay a fee that is currently one mill per kWh for the net electricity generated by each of its reactors and sold. Although it is uncertain when DOE will be able to begin accepting spent nuclear fuel, TVA believes its spent-fuel efforts will ensure that sufficient at-reactor storage is available to meet all of TVA's spent-fuel storage requirements until DOE is prepared to accept TVA's spent fuel.

TVA presently has the capability to store its spent fuel at Sequoyah until September 2004, at Browns Ferry Units One and Two until January 2013 assuming only Unit Two operation, and at Browns Ferry Unit Three until January 2006. Based on one-unit operation, TVA has the capability to store its spent fuel at Watts Bar until September 2018.

TVA plans to extend storage capability through life-of-plant if necessary by using dry storage casks in independent spent-fuel storage installations located at Browns Ferry and Sequoyah Nuclear Plants. Such spent-fuel storage arrangements require NRC approval. However, such arrangements have been approved by the NRC at other facilities.

#### *Low-Level Radioactive Waste*

Disposal costs for low-level radioactive waste that result from normal operation of nuclear units have increased significantly in recent years. Pursuant to the Low-Level Radioactive Waste Policy Act, each state is responsible for disposal of low-level waste generated in that state. States may form regional compacts to jointly fulfill their disposal responsibilities. The States of Tennessee and Alabama (where TVA's nuclear plants are located) have joined with other southeastern states to form the Southeast Compact Commission for Low-Level Radioactive Waste Management. This commission regulates the siting of new disposal facilities and the disposal of low-level waste within the southeastern states.

Until July 1995, the low-level waste generators located in the southeastern states were required to dispose of their radwaste at the Barnwell, South Carolina, disposal facility. Barnwell is no longer a member of the Southeastern states compact. Recently, South Carolina announced volume caps that cannot be exceeded due to the acceptance of waste from states that are not members of the

Atlantic Interstate Low-Level Radioactive Waste Compact. After June 2009 no waste will be accepted from such states, which include Tennessee and Alabama.

As a result of its review of its storage and disposal options for low-level radwaste management, TVA in 1999 began storage of the type of low-level radwaste that had previously been sent to Barnwell at the storage facilities on two of TVA's plant sites. These facilities are sized to handle the anticipated storage needs for the foreseeable life of TVA's operating plants. TVA continues to send dry radioactive waste to the Envirocare of Utah disposal facility in Clive, Utah, based on economics.

### **Nuclear Insurance**

In 1988 Congress extended the indemnification and limitation of liability plan afforded the United States nuclear industry by the Price-Anderson Act for an additional 15 years. Certain provisions of the Price-Anderson Act are due to expire on August 1, 2002. Should the extension of these provisions be delayed beyond the expiration date, or should these provisions not be extended for any reason, the existing indemnification and limitation of liability plan would continue to apply to TVA's nuclear plants. Under the Price-Anderson Act, the limit of liability from an accident at an NRC-licensed reactor is approximately \$9.3 billion (\$88 million for each of the NRC-licensed reactors in the United States), composed of primary and secondary layers of financial protection. This amount is periodically adjusted for inflation. For further information about this nuclear liability insurance and its deferred premium, see note 9 of the accompanying Financial Statements. In accordance with industry practice, TVA maintains certain liability insurance coverage for workers at its nuclear sites.

NRC regulations require nuclear power plant licensees to obtain, and TVA has acquired, onsite property damage insurance coverage of \$1.06 billion per nuclear site. Some of the nuclear property insurance may require the payment of retrospective premiums of up to approximately \$16.4 million in the event that losses by another insured party or TVA exceed available funds. In accordance with NRC regulations, the proceeds of nuclear property insurance are first used to ensure that the reactor is in safe and stable condition and that it can be maintained in a condition that prevents significant risk to the public. Next, the

proceeds are used for decontamination or, if necessary, decommissioning the reactor. Any excess proceeds insure against casualties to property.

### **Decommissioning**

Consistent with NRC requirements, TVA has established and funded a decommissioning trust to assure the availability of adequate funds for decommissioning TVA's nuclear plants. Investments held by the trust are expected to grow to be sufficient to fully fund all estimated decommissioning costs.

TVA recognizes, as incurred, all obligations related to closure and removal of its nuclear units. TVA measures the liability for closure at the present value of the estimated cash flows required to satisfy the related obligation, discounted at a determined risk-free rate of interest. The corresponding charge to recognize the additional obligation was effected through the creation of a regulatory asset. Earnings from decommissioning fund investments, amortization expense of the decommissioning regulatory asset and interest expense on the decommissioning liability are deferred in accordance with Statement of Financial Accounting Standards No. 71, "Accounting for the Effects of Certain Types of Regulation." The book value of TVA's decommissioning fund investments was \$770 million at December 31, 2000. See notes 1 and 9 of the accompanying Financial Statements.

### **ENVIRONMENTAL MATTERS**

TVA's activities are subject to various federal, state and local environmental statutes and regulations. Major areas of regulation affecting TVA's activities include air pollution control, water pollution control and management and disposal of solid and hazardous wastes. Because TVA is a federal agency, it is subject only to those state and local environmental requirements for which Congress has clearly waived federal agency immunity. Respecting the major environmental areas (air, water and waste), limited waivers have been enacted by Congress. TVA's activities may also be subject to other narrower environmental requirements or to environmental requirements that affect only federal activities.

TVA has incurred and continues to incur substantial capital expenditures and operating expenses to comply with environmental requirements. See note 9 of the accompanying Financial State-

ments. Because these requirements change frequently, the total amount of these costs is not now determinable. It is anticipated that environmental requirements will become more stringent and that compliance costs will increase, perhaps by substantial amounts.

### **Air Quality**

Under the Clean Air Act, the United States Environmental Protection Agency (“EPA”) has promulgated national ambient air quality standards for certain air pollutants, including sulfur dioxide, particulate matter and ozone. Coal-fired generating units such as TVA’s are major sources of these pollutants or their precursors. TVA also operates other facilities that are smaller sources of these pollutants. The States of Alabama and Tennessee and the Commonwealth of Kentucky have promulgated implementation plans that regulate sources of air pollution within their boundaries, including TVA sources, in order to achieve and maintain the national ambient standards. TVA has installed air pollution control equipment and employs strategies to comply with applicable state-established emission limitations.

The 1990 Amendments to the Clean Air Act established a number of new requirements relating to acid rain control, including additional requirements relating to sulfur dioxide and nitrogen oxide emissions, that are to be met in two phases. Through 2000, TVA had invested approximately \$1 billion in capital for Phase I and Phase II compliance. TVA estimates it will spend roughly an additional \$100 million in capital through 2003 to finalize the Phase II compliance measures. This will complete TVA’s program for reducing sulfur dioxides and nitrogen oxides to comply with the acid rain control requirements of the 1990 Amendments to the Clean Air Act.

During 1998 TVA adopted a new clean air strategy to install ten selective catalytic reduction systems (“SCRs”) that is designed to reduce nitrogen oxide emissions from its coal-fired plants. In 2000, TVA committed to an additional eight SCRs to further reduce its nitrogen oxide emissions. The cost of implementing this strategy in total is expected to be in excess of \$850 million in addition to amounts TVA has already spent to comply with the 1990 Clean Air Act Amendments. TVA’s new strategy should bring TVA into compliance with EPA’s ozone-transport regulations. However, recent

court decisions have overturned or delayed other ozone related regulations. While these court decisions may have some effect on TVA’s plans, TVA is committed to improving the air quality of the region.

EPA has finalized new, more stringent particulate matter standards and a rule to reduce regional haze. These actions may require TVA to make additional reductions of sulfur dioxide emissions beyond those currently planned. TVA anticipates that compliance with the new regulations will be required after 2012.

TVA cannot with certainty determine the costs for additional reductions of nitrogen oxide, sulfur dioxide and particulate matter emissions beyond those required by the acid rain provisions of the 1990 Amendments to the Clean Air Act. In addition, the D.C. Circuit Court overturned the ozone and fine particulate matter standards, and the Supreme Court has agreed to review this decision. The regional haze rule has also been challenged in the D.C. Circuit Court. These actions create additional uncertainty regarding future air regulatory requirements facing utilities. However, the costs for these additional reductions could exceed \$2.5 billion.

EPA is investigating whether coal-fired utilities in the eastern U.S., including TVA, may have modified their coal-fired boilers without complying with new source review requirements. TVA contends EPA’s investigation is based on a new interpretation of an old rule and that TVA has routinely maintained its power plants to ensure efficient, reliable power generation while complying with all requirements. The outcome of this investigation is ongoing and uncertain. However, EPA has issued TVA an administrative order directing TVA to put “new-source” controls on 14 of its units and to evaluate whether more controls should be installed on other units. TVA has challenged the validity of this order and the Eleventh Circuit Court of Appeals has stayed the order pending its review. The U.S. Department of Justice (“DOJ”) is seeking to have TVA’s petition for review dismissed on the basis of DOJ’s view that TVA lacks legal authority to file the petition and that EPA’s order should not be viewed as “final.” TVA disagrees with DOJ’s view. It is not possible to predict with certainty what impact implementation of EPA’s order would have on TVA if TVA’s challenge is unsuccessful. If EPA substantially prevails, TVA could be required

to incur capital costs in excess of \$3 billion by 2010 to 2015 in order to implement EPA's order. Any additional controls that TVA could be required to install on units as a result of this matter would, however, also be sufficient to comply with reduction requirements that are anticipated under other air quality programs discussed above. Thus, because of the other environmental program requirements, TVA would, in any event, likely have to incur a substantial portion of the costs that might result from the EPA enforcement action, albeit the schedule for the installation of the controls could be accelerated by the EPA enforcement action. TVA fully supports the need to further reduce emissions from coal-fired plants and seeks a resolution that will not put TVA customers and the region at a disadvantage.

On September 15, 2000, an internal appeals panel of EPA issued a decision on reconsideration of the administrative order EPA issued to TVA in November 1999. The reconsideration decision upheld most of EPA's legal claims, but dismissed part of them. TVA has asked the federal appeals court to review this internal EPA decision, and the court has now consolidated all of these proceedings in one case. TVA has also received notices from two environmental groups that they intend to sue TVA in federal district courts raising the same allegations made by EPA.

The United States signed the Kyoto Protocol to the United Nations Framework Convention on Climate Change in November 1998. If ratified by the Senate, the protocol would require the United States to reduce its annual greenhouse gas emissions (including carbon dioxide) around 2008 to 2012 to a level 7 percent below 1990 emission levels. Such a national requirement would likely require electric utilities to achieve similar reductions. The costs to utilities to achieve these reductions could be substantial. It appears unlikely, however, that the Kyoto Protocol will be ratified with this reduction level and schedule.

### **Water Quality**

Under the Clean Water Act ("CWA"), every point source which discharges pollutants into waters of the United States must obtain a National Pollutant Discharge Elimination System ("NPDES") permit specifying the allowable quantity and characteristics of the pollutants discharged. TVA's various point sources have received

NPDES permits, including all of its major generating units. Compliance with NPDES requirements has necessitated substantial expenditures and may require additional expenditures in the future as NPDES permits come up for renewal and applicable requirements become more stringent.

The CWA allows the permitting authority to establish thermal limits less stringent than the water quality criteria if the discharger can demonstrate that the alternate limit will assure protection and propagation of a balanced, indigenous aquatic population. TVA has now been issued alternate limits at several of its facilities, and it is meeting these limits. The CWA also requires that the design, capacity, location and construction of cooling water intake structures reflect the best technology available for minimizing adverse environmental impacts. EPA has a rulemaking underway that would address the design of water intake structures at new and existing facilities. The rulemaking for existing facilities is not expected to be completed for several years but could require changes to be made at TVA facilities. The cost of such changes is uncertain.

### **Solid and Hazardous Waste Management**

Under the Resource Conservation and Recovery Act ("RCRA"), the storage, transportation and disposal of hazardous wastes are regulated by EPA and the states. RCRA also allows EPA and the states to regulate solid wastes, and the states have detailed permitting programs for this. TVA has detailed procedures in place designed to ensure compliance with all applicable requirements for the management of hazardous wastes. Additionally, TVA has instituted an approved supplier list for hazardous waste disposal contractors under which such contractors' financial status, compliance history and physical facilities and operations can be reviewed before they are allowed to treat or dispose of any of the hazardous wastes generated by TVA facilities. TVA does not itself operate any hazardous waste disposal or treatment facilities but does operate a permitted hazardous waste storage facility in Muscle Shoals, Alabama. TVA maintains solid waste disposal permits for the solid waste disposal areas (e.g., fly ash, scrubber sludge, demolition materials and asbestos) it operates at some of its plant sites. TVA's costs in this area have not been substantial, but applicable requirements change

frequently and are expected to become more stringent.

Under the Comprehensive Environmental Response, Compensation, and Liability Act (“CERCLA”), the release and cleanup of hazardous substances are regulated. Liability under CERCLA is generally viewed as joint and several, and TVA estimates its share of cleanup costs under CERCLA to be less than \$100,000.

### **Miscellaneous**

Polychlorinated biphenyls (“PCBs”) have been widely used as insulating fluids in electric equipment such as transformers and capacitors. Use of this equipment and the cleanup of released PCBs are regulated by EPA under the Toxic Substances Control Act. The TVA power system uses thousands of pieces of equipment that contain some level of PCBs. These pieces of equipment, when maintained properly, may continue to be operated under EPA’s PCB regulations for the remainder of their useful lives. However, TVA has been phasing out much of this equipment as a matter of policy. The cost of phasing out the remainder of this equipment cannot be accurately determined at this time, but is not expected to be substantial. TVA has detailed procedures in place to conform its operations to EPA’s PCB regulations and has not incurred substantial costs in this area.

There is public concern about whether there are adverse health effects from exposure to electric and magnetic fields (“EMF”). There are many sources of EMF, including electric transmission lines. Certain research, including a report by a National Academy of Sciences organization, has not found conclusive evidence that EMF causes adverse health effects. Other research, such as a report by the National Institute of Environmental

Health Sciences, has found limited evidence that certain types of exposure to EMF are carcinogenic. Research in this area continues. Substantial costs could be incurred by electric systems, including TVA, if EMF levels from transmission lines have to be reduced, but this appears unlikely at this time.

### **INSURANCE**

TVA does not generally carry property damage or public liability insurance except (1) as may be required or appropriate with respect to nuclear facilities and (2) to the extent it may do so as part of an owner-controlled insurance program it has implemented for some large contracts requiring on-site labor. The Federal Employees’ Compensation Act governs liability for service-connected injuries to employees. See “Nuclear Power Program” — “Nuclear Insurance” herein and note 9 of the accompanying Financial Statements for additional information with respect to insurance.

### **PENDING LITIGATION**

EPA has issued TVA an administrative order directing TVA to put “new-source” controls on 14 of its units and to evaluate whether more controls should be installed on other units. TVA has challenged the validity of this order. See “Environmental Matters” — “Air Pollution” for a further discussion of this order.

TVA is a party to various other civil lawsuits and claims that have arisen in the ordinary course of its business. Although the outcome of these other civil lawsuits and claims cannot be predicted with any certainty, it is the opinion of TVA counsel that their ultimate outcome should not have a material adverse effect on TVA’s financial position or results of operations.

## MANAGEMENT

TVA is administered by a board of directors composed of three persons appointed by the President and confirmed by the Senate. The Board and selected officers, their ages, their years of employment with TVA and principal occupations for recent years are as follows:

<u>Name and Title</u>	<u>Age</u>	<u>Year Commenced Employment</u>	<u>Year Term Expires</u>
Craven Crowell . . . . . Chairman	57	1993	2002
Skila Harris . . . . . Director	50	1999	2008
Glenn L. McCullough, Jr. . . . . Director	46	1999	2005
Oswald J. Zeringue . . . . . President and Chief Operating Officer	55	1989	
John A. Scalice . . . . . Chief Nuclear Officer & Executive Vice President, TVA Nuclear	53	1989	
David N. Smith . . . . . Chief Financial Officer & Executive Vice President, Financial Services	56	1995	
Maureen H. Dunn . . . . . Executive Vice President and General Counsel	51	1978	

Mr. Crowell was appointed to the Board in July 1993. Prior to his current position, he served as Chief of Staff for Jim Sasser, Tennessee's then-senior United States Senator (1989-1993), as Vice President of TVA's Office of Governmental & Public Affairs (1988-1989) and as TVA's Director of Information (1980-1988). Mr. Crowell has announced his intention to retire from TVA in April 2001.

Ms. Harris was appointed to the Board in November 1999. Prior to her current position, she served at DOE as Executive Director of the Secretary of Energy Advisory Board. From 1993 until 1997, she was a Special Assistant to Vice President Gore and Mrs. Gore's Chief of Staff. She came to the White House from Steiner-Liff Iron and Metal Company in Nashville, Tennessee, where she was Vice President for Development and Compliance. Ms. Harris served as a project manager at the U.S. Synthetic Fuels Corporation, and she was with DOE during the Carter Administration. She has also held positions with management and engineering consulting firms specializing in energy-related work.

Mr. McCullough was appointed to the Board in November 1999, having served as the mayor of Tupelo, Mississippi, since 1997. Prior to his election as mayor of Tupelo, he was the director of the Mississippi office of the Appalachian Regional Commission. Director McCullough also worked in

the family business, McCullough Steel Products, for 12 years.

Mr. Zeringue was named President and Chief Operating Officer in April 1998. Prior to his current position, he served as Chief Nuclear Officer & Executive Vice President (1997-1998), as Senior Vice President, Nuclear Operations (1993-1997), as Browns Ferry Site Vice President (1989-1993) and as Plant Manager of Palo Verde Nuclear Station, Arizona Public Service Company (1987-1989).

Mr. Scalice was named Chief Nuclear Officer & Executive Vice President, TVA Nuclear in June 1998. Prior to his current position, he served as Acting Chief Nuclear Officer (beginning April 1998), as Senior Vice President of Nuclear Operations (1997-1998), as Watts Bar Site Vice President (1993-1997), as Plant Manager of Browns Ferry Nuclear Plant (1991-1993), as Plant Manager of Watts Bar Nuclear Plant (1989-1991) and as Plant Manager of Shoreham Nuclear Power Station, Long Island Lighting Company (1989).

Mr. Smith was named Chief Financial Officer in January 1995 and additionally was named Executive Vice President, Financial Services, in October 1996. Prior to his current position, he served as Executive Director of Odyssey Financial (1993-1994), as Vice President of Finance of LTV Corporation (1991-1993) and as Assistant Treasurer

and Director of Corporate Finance of LTV Corporation (1986-1991).

Ms. Dunn joined TVA as an attorney in May 1978, assumed the position of Assistant General Counsel in September 1986, and assumed the position of Executive Vice President and General Counsel in January 2001.

## EMPLOYEES

On September 30, 2000, TVA had about 13,145 employees, of which approximately 5,000 were trades and labor employees. Neither the federal labor relations laws covering most private sector employers nor those covering most federal agencies apply to TVA. However, the Board has a long-standing policy of recognizing and dealing with recognized representatives of its employees and currently has collective bargaining agreements in place covering each of its bargaining units. Federal law prohibits TVA employees from engaging in strikes against TVA.

Salaries of regular TVA employees are limited by a federal pay cap (Executive Level IV, currently \$125,700). The federal pay cap makes it a challenge for TVA to recruit and retain top management talent. In response, TVA has developed and implemented supplementary compensation arrangements to reduce the impact of the pay cap and to enhance TVA's ability to attract and retain the caliber of executive talent required to manage one of the largest power systems in the country. TVA believes the implementation of these arrangements is within its legal authority. In the past, the General Accounting Office ("GAO") has expressed the opinion that some of TVA's compensation arrangements are not within TVA's legal authority. However, GAO has no authority to issue binding legal opinions on this matter or to stop any TVA payments. Congress has been aware of TVA's supplemental compensation arrangements and has not taken any action that would undermine TVA's position that the arrangements are within its legal authority.

In October 1995, the President issued an Executive Order requiring government corporations, including TVA, to submit information to the Office of Management and Budget ("OMB") on bonuses paid to its senior executives. TVA submits information on these bonuses annually to OMB and also publicly disseminates this information. OMB approval of TVA's bonuses is not required.

## CERTAIN PROVISIONS OF THE TENNESSEE VALLEY AUTHORITY ACT

*The following summary of certain provisions of the Act is **not complete** and is qualified in its entirety by reference to the full text of the Act.*

### Payments in Lieu of Taxes

TVA is not subject to federal income taxes or to taxation by states or their subdivisions. However, the Act requires TVA to make payments in lieu of taxes to states and counties in which the Corporation conducts power operations. The basic amount of these payments is 5 percent of gross revenues from the sale of power to entities other than federal agencies during the preceding year, with a provision for minimum payments under certain circumstances.

### Payments to the Treasury

The Act requires TVA to make certain payments to the Treasury each year from Net Power Proceeds in excess of those required for debt service, as a return on and reduction of the Appropriation Investment. The Appropriation Investment totaled \$523 million as of December 31, 2000. Net Power Proceeds are defined as the remainder of gross power revenues from TVA's power program

*after deducting*

- the costs of operating, maintaining and administering its power properties (including multiple-purpose properties in the proportion that multiple-purpose costs are allocated to power) and
- payments to states and counties in lieu of taxes,

*but before deducting*

- depreciation accruals or other charges representing the amortization of capital expenditures,

*plus*

- the net proceeds of the sale or other disposition of any interest in TVA's power properties that constitute an operating unit or system.

## Acquisition of Real Estate

The Act empowers TVA to acquire real estate in the name of the United States of America by purchase or by exercise of the right of eminent domain, “and thereupon all such real estate shall be entrusted to the Corporation as the agent of the United States to accomplish the purposes of [the] Act.” Thus, you should read and construe all references in this Statement to TVA properties, and to the amounts invested in TVA properties, in the light of this provision of the Act.

## THE BASIC RESOLUTION; POWER BONDS, DISCOUNT NOTES AND OTHER INDEBTEDNESS

TVA issues Power Bonds pursuant to Section 15d of the Act and pursuant to the Basic Resolution. At December 31, 2000, TVA had U.S. \$20.8 billion, DM 1.5 billion (issued in September 1996) and £200 million (issued in December 1998) principal amount of Power Bonds outstanding. TVA may issue Power Bonds only to provide capital for TVA’s power program (including refunding any Evidences of Indebtedness issued for like purposes) and only as authorized by law at the time of issuance. Power Bonds are payable as to both principal and interest solely from Net Power Proceeds, but TVA may, at its option, pay Power Bonds from the proceeds of refunding obligations or other funds legally available for such payment. *Power Bonds are not obligations of, or guaranteed by, the United States of America.* Net Power Proceeds for fiscal 2000, 1999 and 1998 were \$3.0 billion, \$3.1 billion and \$3.2 billion, respectively. Power Bonds of each series must be further authorized by Supplemental Resolution.

TVA intends from time to time to issue new Power Bonds with maturities and on terms determined in light of market conditions at the time of sale. TVA may sell new Power Bonds to dealers or underwriters, who may resell the new Power Bonds in public offerings or otherwise. Additionally, TVA may sell new Power Bonds directly or through other entities.

The offering circular, and any appropriate amendment or supplement to the offering circular, for each offering of new Power Bonds, except for new Power Bonds offered under a program on a continuous basis, will set forth the following information: (1) the aggregate principal amount, (2) maturity, (3) interest rate or method for deter-

mining such rate, (4) interest payment dates, if any, (5) purchase price to be paid to TVA, (6) any terms for redemption or other special terms, (7) form and denomination of new Power Bonds, (8) information as to any stock exchange listing, (9) the names of any dealers, underwriters or agents, (10) a description of any amendments or supplements to the Basic Resolution in connection with the sale of the new Power Bonds and (11) other terms of the new Power Bonds.

For Power Bonds offered under a program on a continuous basis, TVA will prepare a single offering circular that describes the general terms and conditions common to all Power Bonds issued under the program. The offering circular will describe how, if at all, the offering circular will be supplemented in order to reflect, among other things, the specific terms and conditions of the Power Bonds being offered. At the time of each sale, TVA will determine if the Power Bonds being sold will be subject to redemption prior to the maturity date and will establish the purchase price, principal amount, interest rate or interest rate formula, maturity date and certain other terms of such sale.

TVA also issues Discount Notes pursuant to Section 15d of the Act and in accord with Section 2.5 of the Basic Resolution. As of December 31, 2000, TVA had approximately \$2.4 billion in Discount Notes outstanding. Discount Notes are payable solely from Net Power Proceeds, but TVA may, at its option, pay Discount Notes from the proceeds of refunding obligations or other funds legally available for such payment. *Discount Notes are not obligations of, or guaranteed by, the United States of America.* TVA intends to offer Discount Notes for sale on a continuous basis to a group of securities dealers selected by TVA, who will resell the notes. TVA will issue Discount Notes in a form and upon terms and conditions as it deems appropriate. Certain information respecting Discount Notes will be set forth in a Discount Notes offering circular and any appropriate supplement to the offering circular.

TVA from time to time may issue Other Indebtedness, in addition to new Power Bonds and Discount Notes, to assist in financing its Power Program. TVA issues Other Indebtedness, such as Quarterly Income Debt Securities (“QIDS”), pursuant to Section 15d of the Act and under appropriate authorizing resolutions. At December 31, 2000, TVA had outstanding \$1.1 billion

principal amount of QIDS. TVA may issue subordinated debt securities, such as QIDS, from time to time with maturities and on terms determined in light of market conditions at the time of sale. TVA may sell subordinated debt securities to dealers or underwriters, who may resell them in public offerings or otherwise. Additionally, TVA may sell subordinated debt securities directly or through other entities. TVA subordinated debt securities will be payable as to both principal and interest solely from Net Power Proceeds, but TVA may, at its option, pay subordinated debt securities from the proceeds of refunding obligations or other funds legally available for such payment. *Subordinated debt securities are not obligations of, or guaranteed by, the United States of America.*

An offering circular, and any appropriate amendment or supplement to the offering circular, for each offering of Other Indebtedness will set forth the following information: (1) the aggregate principal amount, (2) maturity, (3) interest rate or method for determining such rate, (4) interest payment dates, if any, (5) purchase price to be paid to TVA, (6) any terms for redemption or other special terms, (7) form and denomination of Other Indebtedness, (8) information as to any stock exchange listing, (9) the names of any dealers, underwriters or agents and (10) other terms of Other Indebtedness. *Other Indebtedness will not be obligations of, or guaranteed by, the United States of America.*

*The following summary of certain provisions of the Basic Resolution is **not complete** and is qualified in its entirety by reference to the full text of the Basic Resolution. See also "Public Law No. 105-62."*

#### **Application of Net Power Proceeds**

*Section 2.3 of the Basic Resolution provides as follows:*

Net Power Proceeds shall be applied, and the Corporation hereby specifically pledges them for application, first to payments due as interest on Bonds, on Bond Anticipation Obligations, and on any Evidences of Indebtedness issued pursuant to Section 2.5 which rank on a parity with Bonds as to interest; to payments of the principal due on Bonds for the payment of which other provisions have not been made and on any Evidences of Indebtedness

issued pursuant to Section 2.5 which rank on a parity with Bonds as to principal and for the payment of which other provisions have not been made; and to meeting requirements of sinking funds or other analogous funds under any Supplemental Resolutions. The remaining Net Power Proceeds shall be used only for:

(a) Required interest payments on any Evidences of Indebtedness issued pursuant to Section 2.5 which do not rank on a parity with Bonds as to interest.

(b) Required payments of or on account of principal of any Evidences of Indebtedness which do not rank on a parity with Bonds as to principal.

(c) Minimum payments into the United States Treasury required by the Act in repayment of and as a return on the Appropriation Investment.

(d) Investment in Power Assets, additional reductions of the Corporation's capital obligations, and other lawful purposes related to the Power Program; provided, however, that payments into the United States Treasury in any fiscal year in reduction of the Appropriation Investment in addition to the minimum amounts required for such purpose by the Act may be made only if there is a net reduction during such year in the dollar amount of outstanding Evidences of Indebtedness issued for capital purposes, and only to such extent that the percentage of aggregate reduction in the Appropriation Investment during such year does not exceed the percentage of net reduction during the year in the dollar amount of outstanding Evidences of Indebtedness issued for capital purposes.

*Section 2.4 of the Basic Resolution provides as follows:*

The Corporation, having first adopted a Supplemental Resolution authorizing the issuance of a series of Bonds and pending such issuance, may issue Bond Anticipation Obligations and renewals thereof (including Interim Obligations to the Secretary of the Treasury) to be paid from the proceeds of such series of Bonds when issued or from other funds that may be available for that purpose.

*Section 2.5 of the Basic Resolution provides as follows:*

To assist in financing its Power Program the Corporation may issue Evidences of Indebtedness other than Bonds and Bond Anticipation Obligations, which may be payable out of Net Power Proceeds subject to the provisions of Section 2.3 hereof. Such other Evidences of Indebtedness may rank on a parity with but shall not rank ahead of the Bonds as to payments on account of the principal thereof or the interest thereon.

See “Public Law No. 105-62” for a discussion of legislation relating to appropriations for TVA’s nonpower programs and the funding of such programs, including the use of power revenues.

### **Rate Covenant**

Section 3.2 of the Basic Resolution provides as follows:

The Corporation shall fix, maintain, and collect rates for power sufficient to meet in each fiscal year the requirements of that portion of the present subsection (f) of section 15d of the Act which reads as follows:

The Corporation shall charge rates for power which will produce gross revenues sufficient to provide funds for operation, maintenance, and administration of its power system; payments to States and counties in lieu of taxes; debt service on outstanding bonds, including provision and maintenance of reserve funds and other funds established in connection therewith; payments to the Treasury as a return on the appropriation investment pursuant to subsection (e) hereof; payment to the Treasury of the repayment sums specified in subsection (e) hereof; and such additional margin as the Board may consider desirable for investment in power system assets, retirement of outstanding bonds in advance of maturity, additional reduction of appropriation investment, and other purposes connected with the Corporation’s power business, having due regard for the primary objectives of the Act, including the objective that power shall be sold at rates as low as are feasible.

For purposes of this Resolution, “debt service on outstanding bonds,” as used in the

above provision of the Act, shall mean for any fiscal year the sum of all amounts required to be (a) paid during such fiscal year as interest on Evidences of Indebtedness, (b) accumulated in such fiscal year in any sinking or other analogous fund provided for in connection with any Evidences of Indebtedness, and (c) paid in such fiscal year on account of the principal of any Evidences of Indebtedness for the payment of which funds will not be available from sinking or other analogous funds, from the proceeds of refunding issues, or from other sources; provided, however, that for purposes of clause (c) of this definition Bond Anticipation Obligations and renewals thereof shall be deemed to mature in the proportions and at the times provided for paying or setting aside funds for the payment of the principal of the authorized Bonds in anticipation of the issuance of which such Bond Anticipation Obligations were issued.

The rates for power fixed by the Corporation shall also be sufficient so that they would cover all requirements of the above-quoted provision of subsection (f) of section 15d of the Act if, in such requirements, there were substituted for “debt service on outstanding bonds” for any fiscal year the amount which if applied annually for 35 years would retire, with interest at the rates applicable thereto, the originally issued amounts of all series of Bonds and other Evidences of Indebtedness, any part of which was outstanding on October 1 of such year.

### **Covenant for Protection of Bondholders’ Investment**

Under the Act and Section 3.3 of the Basic Resolution, TVA must, in each successive five-year period beginning October 1, 1960, use an amount of Net Power Proceeds at least equal to the sum of (1) depreciation accruals and other charges representing the amortization of capital expenditures and (2) the net proceeds from any disposition of power facilities for either (a) the reduction of its capital obligations (including Evidences of Indebtedness and the Appropriation Investment) or (b) investment in Power Assets.

### **Issuance of Additional Bonds and Other Evidences of Indebtedness**

The Act limits the issuance of Evidences of Indebtedness by TVA to a total of \$30 billion outstanding at any one time. At December 31, 2000, TVA had approximately U.S.\$24.3 billion, DM1.5 billion (issued in September 1996) and £200 million (issued in December 1998) of Evidences of Indebtedness outstanding. The Basic Resolution and the Act permit the issuance of Power Bonds only to provide capital for TVA's power program, including the refunding of any Evidences of Indebtedness issued for that purpose.

Power Bonds, the terms and conditions of which may not be inconsistent with the Basic Resolution, must also be authorized by Supplemental Resolution. The Basic Resolution provides that each Supplemental Resolution authorizing the issuance of Power Bonds must contain a finding by the Board that after the authorized Power Bonds have been issued, gross revenues from TVA's power program will be adequate to meet the requirements of the Basic Resolution with respect to rates and the application of depreciation accruals. These requirements are described under "The Basic Resolution; Power Bonds, Discount Notes and Other Indebtedness" — "Rate Covenant" and "Covenant for Protection of Bondholders' Investment."

Pending the issuance of Power Bonds authorized by a Supplemental Resolution, TVA may issue Bond Anticipation Obligations and renewals of Bond Anticipation Obligations (including Interim Obligations to the Secretary of the Treasury), to be paid from the proceeds of such Power Bonds when issued or from other funds that may be available for that purpose.

TVA may also issue Evidences of Indebtedness other than Power Bonds and Bond Anticipation Obligations, such as Discount Notes, to assist in financing TVA's power program. They may be payable out of Net Power Proceeds subject to the provisions of Section 2.3 of the Basic Resolution. They may not rank ahead of the Power Bonds as to principal or interest.

### **Mortgaging and Disposal of Power Properties**

TVA may not mortgage any part of its power properties and may not dispose of all or any substantial portion of these properties unless it provides for a continuance of the interest, principal and sinking

fund payments due and to become due on all outstanding Evidences of Indebtedness, or for the retirement of such Evidences of Indebtedness.

### **Modifications of Resolutions and Outstanding Bonds**

The Basic Resolution provides for amendments to it, to any Supplemental Resolution and to any outstanding Power Bonds. Generally, TVA may make amendments to the respective rights and obligations of TVA and the bondholders with the written consent of the holders of at least 66⅔ percent in principal amount of the outstanding Power Bonds to which the amendment applies. However, TVA may not make changes in the maturity, principal amount, redemption premium or rate of interest or maturity of any interest installment, with respect to any Power Bond, or in the above percentage for any such consent, without the consent of the holder of such Power Bond.

Additionally, TVA may amend the Basic Resolution or any Supplemental Resolution without the consent of the bondholders in order (1) to close the Basic Resolution against the issuance of additional Power Bonds or to restrict such issuance by imposing additional conditions or restrictions; (2) to add other covenants and agreements to be observed by TVA or to eliminate any right, power or privilege conferred upon TVA by the Basic Resolution; (3) to modify any provisions to release TVA from any of its obligations, covenants, agreements, limitations, conditions or restrictions, provided that such modification or release shall not become effective with respect to any Power Bonds issued prior to the adoption of such amendment; (4) to correct any defect, ambiguity or inconsistency in, or to make provisions in regard to matters or questions arising under, the Basic Resolution or any Supplemental Resolution, so long as such amendments are not contrary to, or inconsistent with, the Basic Resolution or such Supplemental Resolution; or (5) to make any other modification or amendment which the Board by resolution determines will not materially and adversely affect the interests of holders of the Power Bonds.

### **Events of Default**

Any of the following shall be deemed an Event of Default under the Basic Resolution: (1) default in the payment of the principal or redemption price of any Power Bond when due and payable at

maturity, by call for redemption, or otherwise; (2) default in the payment of any installment of interest on any Power Bond when due and payable for more than 30 days; or (3) failure of TVA to duly perform any other covenant, condition or agreement contained in the Power Bonds or in the Basic Resolution or any Supplemental Resolution for 90 days after written notice specifying such failure has been given to TVA by the holders of at least 5 percent in aggregate principal amount of the then-outstanding Power Bonds.

Upon any such Event of Default, the holders of the Power Bonds may proceed to protect and enforce their respective rights, subject to the restrictions described below. The holders of at least 5 percent in aggregate principal amount of Power Bonds then outstanding shall, subject to certain restrictions, have the right and power to institute a proceeding (1) to enforce TVA's covenants and agreements, (2) to enjoin any acts in violation of the rights of holders of Power Bonds and (3) to protect and enforce the rights of holders of Power Bonds. Power Bonds do not provide for acceleration upon an Event of Default. Such holders have no right to bring any such action or proceeding against TVA unless they have given TVA written notice of an Event of Default and TVA has had a reasonable opportunity to take appropriate corrective action with respect thereto and has failed or refused to do so.

Holders of a majority in aggregate principal amount of the outstanding Power Bonds have the right to direct the time, method and place of conducting any proceeding for any remedy available and may waive any default and its consequences, except a default in the payment of the principal or premium, if any, or interest on any Power Bonds.

#### **Fourth Amendatory Resolution to the Basic Resolution**

On March 25, 1992, TVA adopted a resolution amending the Basic Resolution, entitled "Fourth Amendatory Resolution to Basic Tennessee Valley Authority Power Bond Resolution" (the "Fourth Amendatory Resolution"), that (1) deleted from the Basic Resolution limitations on issuance of Power Bonds formerly set forth as Section 3.4 thereof and (2) amended the Basic Resolution to permit issuance of other Evidences of Indebtedness under Section 2.5 thereof that rank on a parity with Power Bonds as to principal and interest. With the

deletion of Section 3.4 of the Basic Resolution, Sections 3.5 through 3.10 were renumbered as appropriate.

#### **PUBLIC LAW NO. 105-62**

In October 1997 Congress enacted the Energy and Water Development Appropriations Act, 1998, Pub. L. No. 105-62, 111 Stat. 1320, 1338 (1997). The paragraph captioned "TENNESSEE VALLEY AUTHORITY" in Title IV of this act (the "Appropriations Act paragraph") requires TVA, beginning with October 1, 1998, to fund nonpower programs that constitute "essential stewardship activities" with revenues derived from one or more of various sources, including power revenues, notwithstanding provisions of the TVA Act and power bond covenants to the contrary.

The Appropriations Act paragraph states:

For the purpose of carrying out the provisions of the Tennessee Valley Authority Act of 1933, as amended (16 U.S.C. ch. 12A), including hire, maintenance, and operation of aircraft, and purchase and hire of passenger motor vehicles, \$70,000,000, to remain available until expended, of which \$6,900,000 shall be available for operation, maintenance, surveillance, and improvement of Land Between the Lakes; and for essential stewardship activities for which appropriations were provided to the Tennessee Valley Authority in Public Law 104-206, such sums as are necessary in fiscal year 1999 and thereafter, to be derived only from one or more of the following sources: nonpower fund balances and collections; investment returns of the nonpower program; applied programmatic savings in the power and nonpower programs; savings from the suspension of bonuses and awards; savings from reductions in memberships and contributions; increases in collections resulting from nonpower activities, including user fees; or increases in charges to private and public utilities both investor and cooperatively owned, as well as to direct load customers: *Provided*, That such funds are available to fund the stewardship activities under this paragraph, notwithstanding sections 11, 14, 15, 29, or other provisions of the Tennessee Valley Authority Act, as amended, or provisions of the TVA power bond covenants: *Provided further*, That the savings from, and revenue adjustments to, the TVA budget in fiscal year



**TENNESSEE VALLEY AUTHORITY**  
**FINANCIAL STATEMENTS**  
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**FINANCIAL STATEMENTS**

**BALANCE SHEETS**

**At September 30**

	Power program		All programs	
	2000	1999	2000	1999
	(in millions)			
<b>ASSETS</b>				
<b>Current Assets</b>				
Cash and cash equivalents .....	\$ 348	\$ 103	\$ 361	\$ 160
Accounts receivable .....	688	730	688	730
Inventories at average cost and other				
Fuel .....	141	178	141	178
Other .....	249	307	249	307
Total current assets .....	1,426	1,318	1,439	1,375
<b>Property, Plant and Equipment</b>				
Completed plant .....	30,157	29,569	31,189	30,685
Less accumulated depreciation .....	(9,520)	(8,762)	(9,813)	(9,074)
Net completed plant .....	20,637	20,807	21,376	21,611
Construction in progress .....	793	730	793	730
Deferred nuclear generating units .....	6,325	6,320	6,325	6,320
Nuclear fuel and capital leases .....	559	560	559	560
Total property, plant, and equipment .....	28,314	28,417	29,053	29,221
<b>Investment Funds</b> .....	840	731	840	731
<b>Deferred Charges and Other Assets</b>				
Loans and other long-term receivables .....	144	122	176	153
Debt issue and reacquisition costs .....	1,302	1,188	1,302	1,188
Other deferred charges .....	1,155	1,610	1,155	1,610
Total deferred charges and other assets .....	2,601	2,920	2,633	2,951
Total assets .....	\$33,181	\$33,386	\$33,965	\$34,278
<b>LIABILITIES AND PROPRIETARY CAPITAL</b>				
<b>Current Liabilities</b>				
Accounts payable .....	\$ 531	\$ 493	\$ 544	\$ 521
Accrued liabilities .....	200	178	200	182
Accrued interest .....	438	464	438	464
Discount notes .....	1,274	982	1,274	982
Current maturities of long-term debt .....	2,350	1,000	2,350	1,000
Total current liabilities .....	4,793	3,117	4,806	3,149
<b>Other Liabilities</b> .....	2,455	2,156	2,455	2,156
<b>Long-Term Debt</b>				
Public bonds — senior .....	21,261	23,294	21,261	23,294
Public bonds — subordinated .....	1,100	1,100	1,100	1,100
Unamortized discount and other adjustments .....	(608)	(491)	(608)	(491)
Total long-term debt .....	21,753	23,903	21,753	23,903
<b>Proprietary Capital</b>				
Appropriation investment .....	528	548	4,883	4,964
Retained earnings reinvested in power program .....	3,652	3,662	3,652	3,662
Accumulated net expense of nonpower programs .....	—	—	(3,584)	(3,556)
Total proprietary capital .....	4,180	4,210	4,951	5,070
Total liabilities and proprietary capital .....	\$33,181	\$33,386	\$33,965	\$34,278

The accompanying notes are an integral part of these financial statements.

**FINANCIAL STATEMENTS**  
**STATEMENTS OF INCOME — POWER PROGRAM**  
**For the Years Ended September 30**

	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(in millions)		
<b>Operating Revenues</b>			
Sales of electricity			
Municipalities and cooperatives .....	\$5,676	\$5,510	\$5,554
Industries directly served .....	626	642	523
Federal agencies and other .....	361	357	556
Other revenue .....	<u>99</u>	<u>86</u>	<u>96</u>
Total operating revenues .....	6,762	6,595	6,729
<b>Operating Expenses</b>			
Fuel and purchased power .....	1,962	1,777	1,900
Operating and maintenance .....	1,443	1,403	1,347
Depreciation and amortization .....	1,185	1,181	1,038
Tax-equivalents .....	308	304	264
Accelerated amortization (notes 1 and 7) .....	<u>121</u>	<u>261</u>	<u>—</u>
Total operating expenses .....	<u>5,019</u>	<u>4,926</u>	<u>4,549</u>
<b>Operating Income</b> .....	1,743	1,669	2,180
Other income, net .....	<u>17</u>	<u>10</u>	<u>12</u>
Income before interest expense and cumulative effect of change in accounting principle .....	1,760	1,679	2,192
<b>Interest Expense</b>			
Interest on debt .....	1,695	1,753	1,930
Amortization of debt discount, issue and reacquisition costs, net .....	94	60	84
Allowance for funds used during construction .....	<u>(53)</u>	<u>(36)</u>	<u>(55)</u>
Net interest expense .....	1,736	1,777	1,959
Cumulative effect of change in accounting principle (notes 1 and 7) .....	<u>—</u>	<u>217</u>	<u>—</u>
<b>Net Income</b> .....	<u>\$ 24</u>	<u>\$ 119</u>	<u>\$ 233</u>

The accompanying notes are an integral part of these financial statements.

**FINANCIAL STATEMENTS**  
**STATEMENTS OF CASH FLOWS**  
**For the Years Ended September 30**

	Power program			All programs		
	2000	1999	1998	2000	1999	1998
	(in millions)					
<b>Cash Flows from Operating Activities</b>						
Net power income . . . . .	\$ 24	\$ 119	\$ 233	\$ 24	\$ 119	\$ 233
Net expense of nonpower programs . . . . .	—	—	—	(28)	(96)	(91)
Items not requiring (providing) cash						
Depreciation and amortization . . . . .	1,289	1,250	1,090	1,299	1,263	1,103
Accelerated amortization	121	261	—	121	261	—
Allowance for funds used during construction . . . . .	(53)	(36)	(55)	(53)	(36)	(55)
Nuclear fuel amortization . . . . .	177	177	264	177	177	264
Cumulative effect of change in accounting principle . . . . .	—	(217)	—	—	(217)	—
Other, net . . . . .	25	(26)	(2)	25	—	9
Changes in current assets and liabilities						
Accounts receivable . . . . .	42	65	(95)	42	65	(89)
Inventories and other . . . . .	19	(35)	(72)	19	(35)	(72)
Accounts payable and accrued liabilities . . . . .	61	(19)	72	42	(21)	59
Accrued interest . . . . .	(26)	(23)	(11)	(26)	(23)	(11)
Other, net . . . . .	(95)	(85)	(30)	(95)	(85)	(36)
Net cash provided by operating activities . . . . .	1,584	1,431	1,394	1,547	1,372	1,314
<b>Cash Flows from Investing Activities</b>						
Construction expenditures . . . . .	(867)	(829)	(637)	(867)	(830)	(642)
Allowance for funds used during construction . . . . .	53	36	55	53	36	55
Nuclear fuel . . . . .	(184)	(135)	(151)	(184)	(135)	(151)
Other, net . . . . .	(37)	(28)	(9)	(38)	(21)	(8)
Net cash used in investing activities . . . . .	(1,035)	(956)	(742)	(1,036)	(950)	(746)
<b>Cash Flows from Financing Activities</b>						
Long-term debt						
Issues . . . . .	2,250	4,506	4,625	2,250	4,506	4,625
Redemptions . . . . .	(2,944)	(4,046)	(4,930)	(2,944)	(4,046)	(4,930)
Short-term borrowings, net . . . . .	292	(775)	(394)	292	(775)	(394)
Proceeds from combustion turbine financing	300	—	—	300	—	—
Financing costs, net . . . . .	(148)	(391)	199	(148)	(391)	199
Congressional appropriations . . . . .	—	—	—	—	50	69
Payments to U.S. Treasury . . . . .	(54)	(57)	(60)	(54)	(57)	(60)
Other, net . . . . .	—	—	—	(6)	—	—
Net cash used in financing activities . . . . .	(304)	(763)	(560)	(310)	(713)	(491)
Net change in cash and cash equivalents . . . . .	245	(288)	92	201	(291)	77
Cash and cash equivalents at beginning of period . . . . .	103	391	299	160	451	374
<b>Cash and Cash Equivalents at End of Period</b>	<u>\$ 348</u>	<u>\$ 103</u>	<u>\$ 391</u>	<u>\$ 361</u>	<u>\$ 160</u>	<u>\$ 451</u>

The accompanying notes are an integral part of these financial statements.

**FINANCIAL STATEMENTS**  
**POWER PROGRAM**  
**STATEMENTS OF CHANGES IN PROPRIETARY CAPITAL**  
**For the Years Ended September 30**

	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(in millions)		
Retained earnings reinvested at beginning of period . . . . .	\$3,662	\$3,580	\$3,387
Net income . . . . .	24	119	233
Return on appropriation investment . . . . .	(34)	(37)	(40)
<b>Retained Earnings Reinvested at End of Period</b> . . . . .	<b>3,652</b>	<b>3,662</b>	<b>3,580</b>
Appropriation investment at beginning of period . . . . .	548	568	588
Return of appropriation investment . . . . .	(20)	(20)	(20)
Appropriation investment at end of period . . . . .	528	548	568
<b>Proprietary Capital at End of Period</b> . . . . .	<b><u>\$4,180</u></b>	<b><u>\$4,210</u></b>	<b><u>\$4,148</u></b>

**NONPOWER PROGRAMS**  
**STATEMENTS OF NET EXPENSE**  
**For the Years Ended September 30**

	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(in millions)		
Water and Land Stewardship . . . . .	\$26	\$72	\$65
Land Between The Lakes . . . . .	—	19	8
Economic Development . . . . .	2	5	8
Environmental Research Center . . . . .	—	—	10
<b>Net Expense</b> (note 10) . . . . .	<b><u>\$28</u></b>	<b><u>\$96</u></b>	<b><u>\$91</u></b>

**NONPOWER PROGRAMS**  
**STATEMENTS OF CHANGES IN PROPRIETARY CAPITAL**  
**For the Years Ended September 30**

	<u>2000</u>	<u>1999</u>	<u>1998</u>
	(in millions)		
Proprietary capital at beginning of period . . . . .	\$860	\$908	\$930
Congressional appropriations . . . . .	—	50	69
Net expense . . . . .	(28)	(96)	(91)
Transfers to other Federal agencies (note 10) . . . . .	(56)	—	—
Other, net . . . . .	(5)	(2)	—
<b>Proprietary Capital at End of Period</b> . . . . .	<b><u>\$771</u></b>	<b><u>\$860</u></b>	<b><u>\$908</u></b>

The accompanying notes are an integral part of these financial statements.

## NOTES TO FINANCIAL STATEMENTS

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### General

TVA is a wholly owned corporate agency and instrumentality of the United States. It was established by the TVA Act with the objective of developing the resources of the Tennessee Valley region in order to strengthen the regional and national economy and the national defense by providing:

(1) an ample supply of power within the region, (2) navigable channels and flood control for the Tennessee River System, and (3) agricultural and industrial development and improved forestry in the region. TVA carries out these regional and national responsibilities in a service area that centers on Tennessee and parts of Alabama, Georgia, Kentucky, Mississippi, North Carolina and Virginia.

TVA's operations have historically been divided into two types of activities — the power program and the nonpower programs. Substantially all TVA revenues and assets are attributable to the power program. The power program has historically been separate and distinct from the nonpower programs and is required to be self-supporting from power revenues and proceeds from the issuance of debt. The power program receives no congressional appropriations and is required to make annual payments to the U.S. Treasury in repayment of, and as a return on, the government's appropriation investment in TVA power facilities. Until 2000 most of the funding for TVA's nonpower programs was provided by congressional appropriations. Certain nonpower activities are also funded by various revenues and user fees. See note 10 for a discussion related to current and future funding of TVA's nonpower programs.

Power rates are established by the TVA Board of Directors as authorized by the TVA Act. The Act requires TVA to charge rates for power that, among other things, will produce gross revenues sufficient to provide funds for operation, maintenance and administration of its power system; payments to states in lieu of taxes; and debt service on outstanding indebtedness.

#### Fiscal year

Unless otherwise indicated, years (2000, 1999, etc.) refer to TVA's fiscal years ended September 30.

#### Revenue

Revenues from power sales are recorded as power is delivered to customers. TVA accrues estimated unbilled revenues for power sales provided to customers for the period of time from the end of the billing cycle to month-end.

Off-system sales are presented in the accompanying Statements of Income-Power Program as a component of Sales of electricity — Federal agencies and other.

#### Property, plant and equipment, and depreciation

Additions to plant are recorded at cost, which includes direct and indirect costs and an allowance for funds used during construction. The cost of current repairs and minor replacements is charged to operating expense. Nuclear fuel is valued at the lower of cost or market using the average cost method for raw materials and the specific identification method for nuclear fuel in reactor. Amortization of nuclear fuel is calculated on a units-of-production basis and is included in fuel expense. The TVA Act requires TVA's Board of Directors to allocate the cost of completed multipurpose projects between the power and nonpower programs, subject to the approval of the President of the United States. The original cost of property retired, together with removal costs less salvage value, is charged to accumulated depreciation. Depreciation is generally computed on a straight-line basis over the estimated service lives of the various classes of assets. Depreciation expense expressed as a percentage of the average annual depreciable completed plant was 3.27 percent for 2000, 3.28 percent for 1999 and 3.23 percent for 1998.

#### Decommissioning costs

TVA recognizes as incurred all obligations related to closure and removal of its nuclear units. Earnings from decommissioning investments, amortization of the decommissioning regulatory asset and interest expense on the decommissioning

## NOTES TO FINANCIAL STATEMENTS — (Continued)

liability are deferred (*see note 9 — Decommissioning costs*).

In 2000 TVA performed calculations in accordance with Nuclear Regulatory Commission (NRC) revised guidelines. The studies resulted in a \$209 million decrease in TVA's required decommissioning obligation which was recorded along with a corresponding reduction in the regulatory asset.

### Allowance for funds used during construction

TVA capitalizes an allowance for funds used during construction. The allowance is applicable to construction in progress, excluding deferred nuclear generating units.

### Other deferred charges

Other deferred charges primarily include pre-paid pension costs and regulatory assets capitalized under the provisions of Statement of Financial Accounting Standards (SFAS) No. 71, *Accounting for the Effects of Certain Types of Regulation*.

#### *Regulatory assets*

At September 30, 2000, other deferred charges included total unamortized regulatory assets of \$372 million of which \$228 million represents a transition obligation for certain postemployment benefits and \$144 million represents an additional obligation related to the closure and removal of nuclear units (*see note 1 — Decommissioning costs*). At September 30, 1999, the unamortized balances of regulatory assets of \$968 million included \$343 million representing a transition obligation for certain postemployment benefits; \$393 million representing an additional obligation related to the closure and removal of nuclear units (*see note 1 — Decommissioning costs*); \$221 million representing an overmarket portion of nuclear fuel; and \$11 million representing TVA's portion of the costs for decommissioning the DOE's uranium enrichment facilities.

Effective for 1999 TVA reclassified an additional \$332 million from nuclear fuel inventory to deferred charges. This regulatory asset was fully amortized in 2000 (*see note 1 — Accelerated amortization*). The effect of this change was to increase

1999 expense by approximately \$111 million and to increase 2000 expense by approximately \$221 million.

#### *Accrual for nuclear refueling outage costs*

Also effective for 1999 TVA changed its method of accounting for nuclear refueling outage maintenance costs whereby such costs are deferred and amortized on a straight-line basis over the estimated period until the next refueling outage, rather than expensed as incurred. The effect of this change was to decrease 2000 and 1999 expense by \$11 million and \$63 million, respectively.

### Investment funds

Investment funds consist primarily of trust funds designated to fund nuclear decommissioning requirements (*see note 9 — Decommissioning costs*). These funds are invested in portfolios of securities generally designed to earn returns in line with overall equity market performance.

### Debt issue and reacquisition costs

Effective for 1999 TVA changed its method of amortizing debt issue and reacquisition costs. Under the current policy, debt issue and reacquisition expenses, call premiums and other related costs are deferred and amortized (accrued) on a pooled straight-line basis over the weighted average life of TVA's debt portfolio. Prior to 1999 debt issue and reacquisition costs were separately amortized on a straight-line basis over the term of the related outstanding securities. The effect of the change was to decrease 2000 and 1999 expense approximately \$23 million and \$20 million, respectively.

TVA has incurred premiums related to certain advanced refundings and also received and paid premiums in connection with the monetization of certain call provisions. In accordance with regulatory practices, TVA has deferred these premiums and is amortizing such premiums on a pooled straight-line basis over the weighted average life of TVA's debt portfolio. The unamortized balances of such regulatory assets at September 30, 2000 and 1999 were \$607 million and \$641 million, respectively.

## NOTES TO FINANCIAL STATEMENTS — (Continued)

### Tax-equivalents

The TVA Act requires TVA to make payments to states and local governments where the power operations of the corporation are conducted. The amount is 5 percent of gross revenues from the prior year's sale of power, excluding sales to other Federal agencies and interchange sales with other utilities, with a provision for minimum payments under certain circumstances.

### Accelerated amortization

Effective for 1999 TVA adopted a new accounting policy whereby annual provisions for amortization of deferred charges will be adjusted as necessary in order to achieve certain earnings levels as set forth in resolutions adopted annually by the TVA Board of Directors in connection with the rate review process. The targeted earnings levels will be based on the earnings requirements of the TVA Act and the Basic TVA Power Bond Resolution (*see note 5 — Borrowing authority*). Such adjustments may result in either contracting or extending the estimated amortization periods. The amortization of such assets is principally computed on a straight-line basis, over periods ranging from three to 15 years. As a result of surplus earnings levels in 2000 and 1999, TVA accelerated amortization of certain regulatory assets by \$121 million and \$261 million, respectively, under the policy.

### Interest and capital costs

During 2000, 1999 and 1998 cash paid for interest on outstanding indebtedness (net of amount capitalized) was \$1,669 million, \$1,740 million and \$1,886 million, respectively. In addition to paying interest on outstanding indebtedness, the TVA Act requires TVA to make annual payments to the U.S. Treasury. The annual Treasury payments represent a repayment of the original appropriation investment, along with a return on the appropriation investment (*see note 4*).

### Risk-management activities

TVA is exposed to market risk from changes in interest rates and currency exchange rates. To manage volatility relating to these exposures, TVA has entered into various derivative transactions, principally an interest rate swap agreement and

foreign currency swap agreements (*see note 5 — Foreign currency transactions and interest rate swap*). TVA is exposed to credit losses in the event of nonperformance by counterparties on the risk-management instruments. TVA monitors such risk and does not believe that there is a significant risk of nonperformance by any of the parties of these instruments. TVA's risk management policies allow the use of derivative financial instruments to manage financial exposures, but prohibit the use of these instruments for speculative or trading purposes.

TVA may engage in hedging activities using forwards, futures or options to hedge the impact of market fluctuations on energy commodity prices. As of September 30, 1999, TVA accounted for these transactions using the deferral method, and gains and losses were recognized in the accompanying financial statements when the related hedged transaction occurred. Effective October 1, 2000, TVA adopted SFAS No. 133, *Accounting for Derivative Instruments and Hedging Activities*, which requires that derivatives be reported at their fair market value on the statement of financial position. Qualifying derivative contracts consisted of various purchased option contracts and certain currency and interest rate swap agreements (*see note 5 — Foreign currency transactions and interest rate swap*). In accordance with SFAS No. 133, these contracts qualify for cash-flow hedge treatment. Accordingly, the effective portion of gains and losses related to such contracts is reported in accumulated other comprehensive income, while the ineffective portion is recognized through the creation of a regulatory asset/liability. As of October 1, 2000, TVA determined the effective portion of the gains related to the derivative contracts to be approximately \$51 million, which was recorded as a cumulative-effect type transition adjustment of accumulated other comprehensive income and approximately \$0.3 million related to the ineffective portion (loss), which was recorded as a regulatory liability.

### Cash and cash equivalents

Cash and cash equivalents include the cash available in commercial bank accounts and U.S. Treasury accounts, as well as short-term securities held for the primary purpose of general liquidity.

## NOTES TO FINANCIAL STATEMENTS — (Continued)

Such securities mature within three months from the date of acquisition.

### Insurance

TVA is primarily self-insured for property loss, workers' compensation, general liability and automotive liability. TVA is also self-insured for health care claims for eligible active and retired employees. Consulting actuaries assist TVA in determining certain liabilities for self-insured claims. TVA maintains nuclear liability insurance and nuclear property, decommissioning and decontamination insurance with an outside party (*see note 9 — Nuclear insurance*).

### Management estimates

The preparation of financial statements in conformity with generally accepted accounting princi-

ples requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the related amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

### Other

Certain reclassifications have been made to the 1998 and 1999 financial statements to conform to the 2000 presentation.

## 2. NUCLEAR POWER PROGRAM

The nuclear power program at September 30, 2000, consists of nine units — five operating, three deferred and one inoperative — at four locations, with investments in property, plant and equipment as follows and in the status indicated:

	Operating units	Installed capacity (megawatts)	Completed plant, net	Construction in progress	Deferred	Fuel investment
(dollars in millions)						
Browns Ferry* . . . . .	2	2,380	\$ 2,995	\$ 25	\$ —	\$168
Sequoyah . . . . .	2	2,442	1,920	44	—	125
Watts Bar . . . . .	1	1,270	6,237	14	1,719	68
Bellefonte . . . . .	—	—	—	—	4,606	—
Raw materials . . . . .	—	—	—	—	—	18
Total . . . . .	<u>5</u>	<u>6,092</u>	<u>\$11,152</u>	<u>\$ 83</u>	<u>\$6,325</u>	<u>\$379</u>

\* Browns Ferry 1, an inoperative unit, is discussed below.

Browns Ferry 1 was taken off-line in 1985 for modifications and improvements and will continue to remain in an inoperative status until its ultimate disposition is determined. The undepreciated cost of Browns Ferry 1 of \$60 million is included in net completed plant and is being depreciated as part of the recoverable cost of the plant over the remaining license period.

TVA has three units in deferred status. In 1988 TVA suspended construction activities on Watts Bar 2, and the unit is currently in lay-up. Bellefonte 1 and 2 were deferred in 1988 and 1985, respectively. Estimated 2001 expenditures for the

three deferred units are limited to lay-up, maintenance and ensuring that options remain viable.

In December 1994 TVA determined it will not, by itself, complete Bellefonte 1 and 2 and Watts Bar 2 as nuclear units. TVA's integrated resource planning process identified as a viable option the conversion of the Bellefonte facility to a combined-cycle plant utilizing natural gas or gasified coal. In 1997 an independent team of technical and financial experts completed a feasibility study to evaluate options for the conversion of the Bellefonte Nuclear Plant to a fossil fuel-fired plant. The feasibility study concluded that one of the most

## NOTES TO FINANCIAL STATEMENTS — (Continued)

economical fossil conversion strategies is to complete Bellefonte as a natural gas-fired combined-cycle plant. TVA also issued an Environmental Impact Statement (EIS) assessing the environmental impacts of various fossil conversion options. The EIS identified the natural gas-fired combined-cycle plant alternative as the preferred option. Bellefonte remains in a deferred status.

While the future decisions on TVA's deferred units will ultimately impact the method of cost recovery, the TVA Board has determined that it will establish rate adjustments and operating policies to seek full recovery of the cost of these units and compliance with the requirements of the TVA Act.

### 3. COMPLETED PLANT — POWER PROGRAM

Completed plant of the power program consists of the following at September 30:

	2000			1999		
	Cost	Accumulated depreciation	Net	Cost	Accumulated depreciation	Net
	(in millions)					
Fossil plants . . . . .	\$ 8,150	\$3,616	\$ 4,534	\$ 7,983	\$3,407	\$ 4,576
Nuclear plants . . . . .	14,719	3,567	11,152	14,705	3,142	11,563
Transmission . . . . .	3,473	1,154	2,319	3,384	1,091	2,293
Hydro plants . . . . .	1,517	536	981	1,486	514	972
Other . . . . .	<u>2,298</u>	<u>647</u>	<u>1,651</u>	<u>2,011</u>	<u>608</u>	<u>1,403</u>
Total . . . . .	<u>\$30,157</u>	<u>\$9,520</u>	<u>\$20,637</u>	<u>\$29,569</u>	<u>\$8,762</u>	<u>\$20,807</u>

### 4. APPROPRIATION INVESTMENT — POWER PROGRAM

The TVA Act requires TVA to make annual payments to the U.S. Treasury from net power proceeds as a return on the appropriations investment in the power system and as a repayment of that investment. The payments required by the TVA Act may be deferred under certain circumstances for not more than two years. TVA paid \$20 million each year for 2000, 1999 and 1998 as a repayment of the appropriation investment. In addition, TVA paid \$34 million to the U.S. Treasury in 2000 as a return on the appropriation investment, while paying \$37 million in 1999 and \$40 million in 1998. The return is based on the appropriation investment as of the beginning of the year and the computed average interest rate payable by the U.S. Treasury on its total marketable public obligations as of the same date (6.34 percent at September 30, 1999).

TVA must meet certain financial tests that are contained in the TVA Act and the Basic TVA Power Bond Resolution. Debt service on these obligations, which is payable solely from TVA's net power proceeds, has precedence over the payment to the U.S. Treasury described in note 4.

#### Short-term debt

The weighted average rates applicable to short-term debt outstanding in the public market as of September 30, 2000 and 1999, were 6.53 percent and 5.30 percent, respectively. During 2000, 1999 and 1998 the maximum outstanding balances of short-term borrowings held by the public were (in millions) \$3,943, \$4,701 and \$2,914, respectively, and the average amounts (and weighted average interest rates) of such borrowings were approximately (in millions) \$2,628 (5.94 percent), \$1,945 (5.01 percent) and \$2,234 (5.58 percent), respectively.

### 5. DEBT

#### Borrowing authority

The TVA Act authorizes TVA to issue bonds, notes and other evidences of indebtedness up to a total of \$30 billion outstanding at any one time.

#### Put and call options

Bond issues of \$7.3 billion held by the public are redeemable in whole or in part, at TVA's option, on call dates ranging from the present to July 2020 at call prices ranging from 100 percent to 106.7

## NOTES TO FINANCIAL STATEMENTS — (Continued)

percent of the principal amount. Additionally, TVA has bond issues of \$3.1 billion held by the public that are redeemable in whole or in part at the option of the respective bondholders as follows. One bond issue totaling \$500 million, which matures in July 2045, is redeemable in 2001 by the bondholders. A second issue totaling \$121 million, which matures in April 2036, is redeemable in 2006 at the option of the bondholders. A third issue totaling \$1.5 billion, which matures in April 2036, is redeemable in 2006 at the option of the bondholders, and a fourth issue totaling \$1.0 billion, which matures in May 2012, is redeemable in 2002 at the option of the bondholders. Each of these four issues is reported in the debt schedule with maturity dates corresponding to the earliest redeemable dates. Six additional issues totaling \$500 million, with maturity dates ranging from 2005 to 2030, include a provision for a right of redemption upon the death of a beneficial owner in certain specified circumstances.

Additionally, TVA has two issues of Puttable Automatic Rate Reset Securities (PARRS) outstanding. The bonds permit TVA, after a fixed-rate period of five years, to reset the coupon rate downward under certain market conditions. Investors have the option to redeem the bonds at par if and when the interest rate is reset. One PARRS issue totals \$575 million, matures in June 2028 and has its first potential reset date in June 2003. The second issue of PARRS totals \$525 million, matures in May 2029 and has its first potential reset date in May 2004.

### **Foreign currency transactions and interest rate swap**

During 1996 TVA entered into a currency swap contract as a hedge for a foreign currency denominated debt transaction. TVA issued DM1.5 billion of bonds and swapped the cash flows for those of a U.S. dollar obligation of \$1 billion. TVA also entered into a currency swap contract during 1999 as a hedge for a Sterling denominated debt transaction where TVA issued £200 million of bonds in that transaction. Any gains or losses on the debt instruments due to the foreign currency transactions are offset by losses or gains on the swap contracts. At September 30, 2000 and 1999, the currency transactions resulted in net deferred gains of \$360 million and \$182 million, respectively, which are included in the account "unamortized discount and other adjustments." The offsetting losses on the swap contracts are recorded as a deferred liability. If any loss/(gain) were to be incurred as a result of the early termination of a swap contract, any resulting charge/(income) would be amortized over the remaining life of the bond as a component of interest expense.

Additionally, in 1997 TVA issued \$300 million of inflation-indexed accreting principal bonds. The 10-year bonds have a fixed coupon rate that is paid on the inflation-adjusted principal amount. TVA hedged its inflation exposure under the securities through a 10-year fixed interest rate swap agreement.

## NOTES TO FINANCIAL STATEMENTS — (Continued)

Debt outstanding at September 30, 2000 and 1999, consists of the following:

	2000	1999
	(in millions)	
<b>Short-term debt</b>		
Discount notes (net of discount) .....	\$ 1,274	\$ 982
Current maturities of long-term debt — 5.00% to 6.50% .....	2,350	1,000
Total short-term debt .....	3,624	1,982
<b>Long-term debt</b>		
Senior		
Maturing in 2001 — 5.00% to 6.50% .....	—	2,350
Maturing in 2002 — 6.00% .....	2,000	1,000
Maturing in 2003 — 6.125% .....	1,250	1,250
Maturing in 2004 — 5.00% .....	400	400
Maturing in 2005 — 6.375% to 7.150% .....	2,065	2,000
Maturing in years 2006 through 2044 — 5.375% to 8.250% .....	15,546	16,294
Subordinated		
Maturing in 2045 and 2046 — 7.50% to 8.00% .....	1,100	1,100
Total long-term debt .....	22,361	24,394
Unamortized discount and other adjustments .....	(608)	(491)
Net long-term debt .....	21,753	23,903
<b>Total debt</b> .....	<b>\$25,377</b>	<b>\$25,885</b>

### 6. FAIR VALUE OF FINANCIAL INSTRUMENTS

TVA uses the methods and assumptions described below to estimate the fair values of each significant class of financial instrument. The fair market value of the financial instruments held at September 30, 2000, may not be representative of the actual gains or losses that will be recorded when these instruments mature or if they are called or presented for early redemption.

#### Cash and cash equivalents and short-term debt

The carrying amount approximates fair value because of the short-term maturity of these instruments.

#### Investment funds

At September 30, 2000, these investments were classified as trading securities and carried at their fair value.

#### Loans and other long-term receivables

Fair values for these homogeneous categories of loans and receivables are estimated by determin-

ing the present value of future cash flows using a discount rate equal to lending rates for similar loans made to borrowers with similar credit ratings and for the same remaining maturities.

#### Long-term debt

Fair value of long-term debt traded in the public market is determined by multiplying the par value of the bonds by the quoted market price (asked price) nearest the balance sheet date.

#### Other financing obligations

In September 2000 TVA received approximately \$300 million in proceeds by entering into a lease-lease back transaction for eight new peaking combustion turbine units. Due to the nature of the recent refinancing transaction, the carrying amount of the obligation and fair market value are equal.

## NOTES TO FINANCIAL STATEMENTS — (Continued)

The estimated values of TVA's financial instruments at September 30 are as follows:

	2000		1999	
	Carrying amount	Fair amount	Carrying amount	Fair amount
	(in millions)			
Cash and cash equivalents . . . . .	\$ 361	\$ 361	\$ 160	\$ 160
Investment funds . . . . .	840	840	731	731
Loans and other long-term receivables . .	176	176	153	153
Short-term debt . . . . .	1,274	1,274	982	982
Long-term debt, including current maturities . . . . .	24,711	23,840	25,394	24,598
Other financing obligations . . . . .	300	300	—	—

### 7. BENEFIT PLANS

#### Pension plan

TVA has a defined benefit plan for most annual employees that provides two benefit structures: the Original Benefit Structure and the Cash Balance Benefit Structure. The plan is controlled and administered by a legal entity separate from TVA, the TVA Retirement System (TVARS), which is governed by its own independent board of directors. The plan assets are primarily stocks and bonds. TVA contributes to the plan such amounts as are agreed upon between the TVA and the TVARS boards of directors, which in no event is less than the amount necessary on an actuarial basis to provide assets sufficient to meet obligations for benefits. No TVA contribution is legally required when the plan's assets are sufficient to meet its accrued liabilities, as determined by an independent outside actuary. This situation has existed for several years.

The pension benefit for a member participating in the Original Benefit Structure is based on the member's years of creditable service, average base pay for the highest three consecutive years and the pension factor for the member's age and years of service, less a Social Security offset.

The pension benefit for a member participating in the Cash Balance Benefit Structure is based on credits accumulated in the member's account and member's age. A member's account receives credits each pay period equal to 6.0 percent of his or her straight-time earnings. The account also increases at an interest rate equal to the change in the Consumer Price Index (CPI) plus 3.0 percent, which amounted to 5.8 percent in 1998. During

1999 plan amendments were effected such that the interest rate may not be less than 6.0 percent nor more than 10.0 percent. The actual changes in the CPI for 2000 and 1999 were 2.0 percent and 1.6 percent, respectively, resulting in the minimum of 6.0 percent for each year.

TVARS also maintains a defined contribution plan, a 401(k) plan, to which TVA makes matching contributions of 25 cents on the dollar (up to 1.5 percent of pay) for members participating in the Original Benefit Structure and of 75 cents on the dollar (up to 4.5 percent of pay) for members participating in the Cash Balance Benefit Structure.

During 1999 TVA changed its accounting policy for the method of determining the market-related value of pension assets, resulting in a one-time gain of approximately \$217 million. This gain is presented on the Statement of Income under the caption "Cumulative effect of change in accounting principle."

The discount rate used to determine the actuarial present value of the projected benefit obligation was 8.0 percent in 2000, 7.5 percent in 1999 and 7.0 percent in 1998. The assumed annual rates of increase in future compensation levels for 2000, 1999 and 1998 ranged from 3.3 to 8.3 percent. The expected long-term rate of return on plan assets was 10.0 percent for 2000 and 1999 and 11.0 percent for 1998.

During 2000, plan amendments were effected such that certain pension benefits were enhanced, resulting in approximately \$250 million in additional pension plan benefit obligations.

## NOTES TO FINANCIAL STATEMENTS — (Continued)

### Other postretirement benefits

TVA sponsors an unfunded postretirement plan that provides for nonvested contributions toward the cost of certain retirees' medical coverage. This plan formerly covered all retirees participating in the TVA medical plan, and TVA's contributions were a flat dollar amount based upon the participants' age and years of service and certain payments toward the plan costs. This plan now operates on a much more limited basis, only for certain retirees and surviving dependents who do not qualify for TVARS benefits.

During 2000 these postretirement benefits were enhanced to help covered retirees offset the cost of medical coverage, resulting in approximately \$16 million in additional postretirement benefit obligations.

The annual assumed cost trend for covered benefits is 9.0 percent in 2000, decreasing by one-half percent per year to a level of 5.0 percent in 2008 and thereafter. For 1999 and 1998, annual trend rates of 9.5 percent and 10.0 percent, respectively, were assumed. The effect of the change in assumptions of the cost basis was not significant. Increasing/ (reducing) the assumed health-care cost trend rates by 1 percent would increase/ (reduce) the accumulated postretirement benefit obligation (APBO) as of September 30, 2000, by \$9 million/ (\$8 million) and the aggregated service and interest cost components of net periodic postretirement benefit cost for 2000 by \$2 million/ (\$1 million).

The weighted average discount rate used in determining the APBO was 8.0 percent for 2000, 7.5 percent for 1999 and 7.0 percent for 1998. Any net unrecognized gain or loss resulting from experience different from that assumed or from changes in assumptions, and which is in excess of 10 percent of the APBO, is amortized over the average remaining service period of active plan participants.

### Other postemployment benefits

Other postemployment benefits include workers' compensation provided to former or inactive employees, their beneficiaries and covered dependents for the period after employment but before retirement. Adoption of SFAS No. 112, *Employers Accounting for Postemployment Benefits*, in 1995 changed TVA's method of accounting practice from recognizing costs as benefits are paid to accruing the expected costs of providing these benefits. In connection with the adoption of SFAS No. 112 and related approval by its Board of Directors, TVA recorded the transition obligation as a regulatory asset. The regulatory asset is being amortized over approximately 15 years, whereby the annual expense will approximate the expense that would have been recorded on an as-paid basis. In 2000 TVA accelerated amortization of the regulatory asset approximately \$80 million in accordance with its accounting policy as previously described (*see note 1 — Accelerated amortization*).

## NOTES TO FINANCIAL STATEMENTS — (Continued)

The components of pension expense and other postretirement benefits expense for the years ended September 30 were:

	Pension Benefits		Other Postretirement Benefits	
	2000	1999	2000	1999
	(in millions)			
<b>Change in benefit obligation</b>				
Benefit obligation at beginning of year	\$ 5,031	\$ 5,645	\$ 151	\$ 206
Service cost	76	94	5	5
Interest cost	367	374	11	14
Plan participants' contributions	32	34	—	—
Amendments, including other events	250	—	16	(48)
Actuarial (gain)/loss	20	(853)	(33)	(3)
Net transfers to variable fund/401(k) plan	(23)	(1)	—	—
Expenses paid	(3)	(3)	—	—
Benefits paid	(289)	(259)	(17)	(23)
<b>Benefit obligation at end of year</b>	<u>\$ 5,461</u>	<u>\$ 5,031</u>	<u>\$ 133</u>	<u>\$ 151</u>
<b>Change in plan assets</b>				
Fair value of plan assets at beginning of year	\$ 6,842	\$ 5,968	\$ —	\$ —
Adjustment to reconcile to system asset value	(13)	5	—	—
Actual return on plan assets	764	1,098	—	—
Plan participants' contributions	32	34	—	—
Net transfers to variable fund/401(k) plan	(23)	(1)	—	—
Employer contributions	3	—	17	23
Expenses paid	(4)	(3)	—	—
Benefits paid	(289)	(259)	(17)	(23)
<b>Fair value of plan assets at end of year</b>	<u>\$ 7,312</u>	<u>\$ 6,842</u>	<u>\$ —</u>	<u>\$ —</u>
<b>Funded status</b>	\$ 1,851	\$ 1,811	\$(133)	\$(151)
Unrecognized net actuarial (gain)/loss	(1,649)	(1,540)	(32)	1
Unrecognized prior service cost	492	266	(48)	(70)
<b>Prepaid (accrued) benefit cost</b>	<u>\$ 694</u>	<u>\$ 537</u>	<u>\$(213)</u>	<u>\$(220)</u>

	Pension Benefits			Other Postretirement Benefits		
	2000	1999	1998	2000	1999	1998
	(in millions)					
<b>Components of net periodic benefit cost</b>						
Service cost	\$ 76	\$ 94	\$ 67	\$ 5	\$ 5	\$ 8
Interest cost	367	374	328	11	14	26
Expected return on plan assets	(602)	(591)	(479)	n/a	n/a	n/a
Amortization of prior service cost	24	24	—	(6)	(2)	—
Amortization of transition obligation	—	—	—	—	—	—
Recognized net actuarial loss	(19)	—	—	—	—	—
<b>Net periodic benefit cost</b>	(154)	(99)	(84)	10	17	34
Other events	—	(217)	111	—	—	(121)
<b>Total benefits cost/(income)</b>	<u>\$(154)</u>	<u>\$(316)</u>	<u>\$ 27</u>	<u>\$ 10</u>	<u>\$ 17</u>	<u>\$ (87)</u>

## NOTES TO FINANCIAL STATEMENTS — (Continued)

### 8. MAJOR CUSTOMERS

Five municipal customers purchase power from TVA under long-term contracts, which require 10 years' notice to terminate.

These customers account for an aggregate of total power sales as follows: 27 percent for 2000 and 1999 and 29 percent for 1998.

### 9. COMMITMENTS AND CONTINGENCIES

#### Commitments

##### *Leases*

Certain property, plant and equipment are leased under agreements with terms ranging from one to 30 years. Most of the agreements include purchase options or renewal options that cover substantially all the economic lives of the properties. Obligations under capital lease agreements in effect at September 30, 2000, total \$36 million annually through 2005, and an aggregate of \$193 million thereafter, for a total commitment of \$373 million. Of this amount, \$192 million is interest.

##### *Construction Commitments*

TVA has entered into approximately \$600 million in long-term commitments consisting of the purchase of generating assets of approximately \$450 million and major maintenance expenditures of \$150 million. Terms of the contracts extend into 2003.

##### *Fuel Purchase Commitments*

TVA has entered into approximately \$4 billion in long-term commitments ranging in terms of up to six years for the purchase of coal, and approximately \$1 billion in long-term commitments ranging in terms of up to ten years for the purchase and fabrication of uranium.

##### *Purchased Power*

TVA has entered into an agreement for the purchase of power from a 440 megawatt, lignite-fired electrical generating plant. The agreement calls for TVA to purchase the plant's output for a 30-year period beginning on the date of first generation expected in 2001. Pricing of the contract includes fixed and variable components with mini-

mum estimated power purchases approximating \$4 billion over the life of the contract.

#### Contingencies

##### *Nuclear Insurance*

The Price-Anderson Act sets forth an indemnification and limitation of liability plan for the U.S. nuclear industry. All NRC licensees, including TVA, maintain nuclear liability insurance in the amount of \$200 million for each plant with an operating license. The second level of financial protection required is the industry's retrospective assessment plan, using deferred premium charges. The maximum amount of the deferred premium for each nuclear incident is approximately \$88 million per reactor, but not more than \$10 million per reactor may be charged in any one year for each incident. TVA could be required to pay a maximum of \$528 million per nuclear incident on the basis of its six licensed units, but it would have to pay no more than \$60 million per incident in any one year.

In accordance with NRC regulations, TVA carries property and decontamination insurance of \$1.06 billion at each licensed nuclear plant for the cost of stabilizing or shutting down a reactor after an accident. Some of this insurance may require the payment of retrospective premiums of up to a maximum of approximately \$16 million.

##### *Clean Air Legislation*

Title IV of the Clean Air Act Amendments (CAAA) of 1990 requires coal-fired generation units to reduce their sulfur dioxide (SO<sub>2</sub>) and nitrogen oxide (NO<sub>x</sub>) emissions in two phases in order to control acid rain. The Phase I compliance period commenced on January 1, 1995, for SO<sub>2</sub> and January 1, 1996, for NO<sub>x</sub>, while the Phase II compliance period commenced on January 1, 2000. Based on the level of emissions, 26 of TVA's 59 operating coal-fired units are classified as Phase I units, with the remaining units being Phase II units. Compliance with these requirements has resulted in substantial expenditures for the reduction of emissions at TVA's coal-fired generating plants.

TVA's strategy for complying with the 1990 CAAA includes the use of scrubbers at two fossil units and the use of lower-sulfur coal at other fossil units to reduce SO<sub>2</sub> emissions. TVA has completed

## NOTES TO FINANCIAL STATEMENTS — (Continued)

all planned scrubbers and is on schedule to complete the changeover to lower-sulfur coal.

NO<sub>x</sub> reductions were required for 58 of TVA's 59 coal-fired units. The only TVA unit for which NO<sub>x</sub> reductions are not required under the 1990 CAAA is the Atmospheric Fluidized Bed Unit 10 at TVA's Shawnee Fossil Plant. The NO<sub>x</sub> reductions for the other 58 units were achieved through the installation of low-nitrogen-oxide burners (LNBS) and/or overfire air at 40 units and boiler optimization on the remaining 18 TVA units. In 1996 TVA selected an early election option for four of these 58 units, allowing the four units at John Sevier Fossil Plant to be limited to Phase I NO<sub>x</sub> levels through 2007. In 2008 these four units will have to meet lower Phase 2 NO<sub>x</sub> levels. For the remaining 54 units, TVA has elected to average NO<sub>x</sub> emissions to meet a 54 unit NO<sub>x</sub> averaging plan. This averaging plan option lets TVA optimize the cost of NO<sub>x</sub> reductions while being in full compliance with the 1990 CAAA Title IV NO<sub>x</sub> requirements. In addition to TVA's Title IV projects during 2000, TVA also completed installation of the first selective catalytic reduction system (SCR) on the TVA power system. SCRs are state-of-the-art NO<sub>x</sub> emission-control technology. Seventeen other SCRs are planned to be installed on 24 more TVA units. This follows up on a commitment TVA made to further reduce NO<sub>x</sub> emissions on its system. Installation of these SCRs will also comply with the Environmental Protection Agency's (EPA) recent section 110 State Implementation Plan NO<sub>x</sub> Reduction rule.

Expenditures related to the Clean Air projects during 2000 and 1999 were approximately \$125 million and \$77 million, respectively. The cost of the SCR strategy is estimated to be between \$800 million and \$900 million. The total cost of compliance cannot reasonably be determined at this time because of the uncertainties surrounding emerging EPA regulations, resultant compliance strategies, potential for development of new emission control technologies, court litigation and future amendments to the Clean Air Act, but the total cost could exceed \$2.5 billion.

EPA is investigating whether coal-fired utilities in the eastern U.S., including TVA, may have modified their coal-fired boilers without complying with new source review requirements. The out-

come of this investigation is ongoing and uncertain. TVA contends EPA's investigation is based on a new interpretation of an old rule and that TVA has routinely maintained its power plants to ensure efficient, reliable power generation while complying with all requirements. However, EPA has issued TVA an administrative order directing TVA to put new source controls on 14 of its units and to evaluate whether more controls should be installed on other units. TVA has challenged the validity of this order and the Eleventh Circuit Court of Appeals has stayed the order pending its review. It is not possible to predict with certainty what impact implementation of EPA's order would have on TVA if TVA's challenge is unsuccessful. If EPA substantially prevails, TVA could be required to incur capital costs in excess of \$3 billion (net present value) by 2010 to 2015. Any additional controls that TVA could be required to install on units as a result of this matter would, however, also be sufficient to comply with reduction requirements that are anticipated under other air quality programs discussed above. Thus, because of the other environmental program requirements, TVA would, in any event, likely have to incur a substantial portion of the costs that might result from the EPA enforcement action, albeit the schedule for the installation of the controls could be substantially accelerated by the EPA enforcement action. TVA fully supports the need to further reduce emissions from coal-fired plants and seeks a resolution that will not put TVA customers and the region at a disadvantage.

### *Hazardous substances*

The release and cleanup of hazardous substances are regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). In a manner similar to many other industries and power systems, TVA has generated or used hazardous substances over the years. TVA has been identified as a potentially responsible party with respect to four off-site disposal areas. TVA's liability at these sites has not yet been determined. In addition, TVA is currently investigating one other TVA-owned site under a state statute similar to CERCLA. TVA may have cleanup responsibilities at this site by virtue of its control of the property. TVA's potential liabilities for its share of cleanup costs at all of these sites

## NOTES TO FINANCIAL STATEMENTS — (Continued)

are uncertain but are not expected to have a significant impact on TVA's financial position or results of operations.

### *Pending litigation*

EPA has issued TVA an administrative order directing TVA to put new source controls on 14 of its units and to evaluate whether more controls should be installed on other units. TVA has challenged the validity of this order. It is not possible to predict with certainty what impact implementation of EPA's order would have on TVA if TVA's challenge is unsuccessful. If EPA substantially prevails, TVA could be required to incur capital costs in excess of \$3 billion (net present value) by 2010 to 2015 in order to implement EPA's order.

TVA is a party to various civil lawsuits and claims that have arisen in the ordinary course of its business. Although the outcome of these other lawsuits and claims cannot be predicted with any certainty, it is the opinion of TVA counsel that the ultimate outcome should not have a material adverse effect on TVA's financial position or results of operations.

### *Decommissioning costs*

Provision for decommissioning costs of nuclear generating units is based on the estimated cost to dismantle and decontaminate the facilities to meet NRC criteria for license termination. The Financial Accounting Standards Board (FASB) has reached several tentative conclusions with respect to its project regarding the accounting for closure and removal of long-lived assets, including the decommissioning of nuclear generating units. Effective for 1998 TVA changed its method of accounting for decommissioning costs and related liabilities in order to comply with certain of the FASB's tentative conclusions, as well as certain rate-setting actions. The FASB issued an exposure draft in the first quarter of 2000; however, it is uncertain when a final statement will be issued and what impact it may ultimately have on TVA's financial position or results of operations.

TVA recognizes as incurred all obligations related to closure and removal of its nuclear units. The liability for closure is measured as the present value of the estimated cash flows required to

satisfy the related obligation and discounted at a determined risk-free rate of interest. The charge to recognize any additional obligation is effected by adjusting the corresponding regulatory asset. Earnings from decommissioning fund investments, amortization expense of the decommissioning regulatory asset and interest expense on the decommissioning liability are deferred in accordance with SFAS No. 71, *Accounting for the Effects of Certain Types of Regulation*. In 2000 TVA performed engineering studies in accordance with NRC revised guidelines. The studies resulted in a \$209 million decrease in TVA's required decommissioning obligation, which was recorded along with a corresponding reduction in the regulatory asset. At September 30, 2000, the present value of the estimated future decommissioning cost of \$742 million is included in other liabilities; the unamortized regulatory asset of \$144 million is included in deferred charges. The decommissioning cost estimates from the 2000 study are based on prompt dismantlement and removal of the plant from service. The actual decommissioning costs may vary from the estimates because of changes in the assumed dates of decommissioning, changes in regulatory requirements, changes in technology and changes in the cost of labor, materials and equipment.

TVA maintains an investment trust fund to provide funding for the decommissioning of nuclear power plants. As of September 30, 2000, the decommissioning trust fund investments totaled \$833 million and were invested in securities designed to achieve a return in line with overall equity market performance.

Effective November 23, 1998, the NRC amended its regulations regarding decommissioning funding. These regulations require TVA to provide financial assurance for decommissioning funding through the use of certain prescribed mechanisms such as the trust agreements with independent money managers entered into by TVA in May 1997. These new regulations did not have a material impact on TVA's financial position or results of operations.

### *Cost-Based Regulation*

As a regulated entity, TVA is subject to the provisions of SFAS No. 71, *Accounting for the*

## NOTES TO FINANCIAL STATEMENTS — (Continued)

*Effects of Certain Types of Regulation.* Accordingly, TVA records certain assets and liabilities that result from the effects of the ratemaking process that would not be recorded under generally accepted accounting principles for nonregulated entities. Currently, the electric utility industry is predominantly regulated on a basis designed to recover the cost of providing electric power to its customers. If cost-based regulation were to be discontinued in the industry for any reason, profits could be reduced and utilities might be required to reduce their asset balances to reflect a market basis less than cost. Discontinuance of cost-based regulation would also require affected utilities to write-off their associated regulatory assets. Such regulatory assets for TVA total approximately \$979 million at September 30, 2000, along with approximately \$6.3 billion of deferred nuclear plants. Management cannot predict the potential impact, if any, of the change in the regulatory environment on TVA's future financial position and results of operations.

### 10. NONPOWER PROGRAMS

Certain TVA activities formerly referred to as "nonpower" programs provide various public services, including managing navigable river channels, providing flood control and overseeing recreation facilities. TVA's responsibilities include general stewardship of land, water and wildlife resources.

Funding for the nonpower programs had historically been primarily provided through Federal appropriations. Certain non-power program activities have also been funded by user fees and outside services revenues. In 1999 TVA received total Federal appropriations of approximately \$50 million, of which \$43 million was for stewardship activities and \$7 million was for TVA's Land Between the Lakes National Recreation Area (LBL). During 1998 TVA received total Federal appropriations of

approximately \$70 million, of which \$63 million was for stewardship activities, including \$3 million for the environmental clean-up work at the Muscle Shoals, Ala., reservation, and \$7 million was for LBL. As discussed below, TVA received no Federal appropriations in 2000.

In October 1997, Congress passed legislation that directed TVA to fund essential stewardship activities related to its management of the Tennessee River system and TVA properties with power funds in the event that there were insufficient appropriations or other available funds to pay for such activities in any year. Congress did not provide any appropriations to TVA to fund such activities in 2000. Consequently, during 2000, TVA paid \$72 million for essential stewardship activities primarily with power revenues, with the remainder funded with user fees, other forms of nonpower revenues and nonpower fund balances unused in prior years. In addition, administrative jurisdiction over LBL was transferred to the Secretary of Agriculture effective October 1, 1999. TVA is responsible for certain transition costs associated with the transfer of LBL, estimated to be approximately \$7 million at September 30, 2000. TVA retains responsibility for management of the remaining nonpower assets and settlement of nonpower obligations.

At September 30, 2000, TVA had transferred \$56 million of property and equipment to the U.S. Forest Service. After this transfer the completed plant of the nonpower programs consists of multipurpose dams and other plant. At September 30, 2000, the net completed plant balances for multipurpose dams and other plant were \$683 million and \$57 million, respectively. At September 30, 1999, the net completed plant balances for multipurpose dams and other plant were \$692 million and \$112 million, respectively.

## REPORT OF INDEPENDENT ACCOUNTANTS

### To the Board of Directors of the Tennessee Valley Authority

In our opinion, the accompanying balance sheets (power program and all programs) and the related statements of income (power program), changes in proprietary capital (power program and nonpower programs), net expense (nonpower programs) and of cash flows (power program and all programs) present fairly, in all material respects, the financial position of the power program and all programs of the Tennessee Valley Authority as of September 30, 2000 and 1999, the results of operations of the power program and nonpower programs and cash flows of the power program and all programs for each of the three years in the period ended September 30, 2000, in conformity with accounting principles generally accepted in the United States. These financial statements are the responsibility of the Tennessee Valley Authority's management; our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with auditing standards generally accepted in the United States and *Government Auditing Standards* issued by the Comptroller General of the United States, which require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for the opinion expressed above. We have also issued our report dated October 24, 2000, on TVA's compliance with laws and regulations and internal control over financial reporting. That report is an integral part of our audit conducted under *Government Auditing Standards* that should be read along with this report on the financial statements.

As discussed in note 7 to the financial statements, TVA changed its method for determining the market-related value of pension assets in 1999.

*PricewaterhouseCoopers LLP*

PricewaterhouseCoopers LLP  
Knoxville, Tennessee  
October 24, 2000

## REPORT OF MANAGEMENT

Management is responsible for the preparation, integrity and objectivity of the financial statements of the Tennessee Valley Authority as well as all other information contained in the annual report. The financial statements have been prepared in conformity with generally accepted accounting principles applied on a consistent basis and, in some cases, reflect amounts based on the best estimates and judgments of management, giving due consideration to materiality. Financial information contained in the annual report is consistent with that in the financial statements.

The Tennessee Valley Authority maintains an adequate system of internal controls to provide reasonable assurance that transactions are executed in accordance with management's authorization, that financial statements are prepared in accordance with generally accepted accounting principles, and that the assets of the corporation are properly safeguarded. The system of internal controls is documented, evaluated and tested on a continuing basis. No internal control system can provide absolute assurance that errors and irregularities will not occur due to the inherent limitations of the effectiveness of internal controls; however, management strives to maintain a balance, recognizing that the cost of such a system should not exceed the benefits derived. No material internal control weaknesses have been reported to management.

PricewaterhouseCoopers LLP was engaged to audit the financial statements of the Tennessee Valley Authority and issue reports thereon. Its audits were conducted in accordance with generally accepted auditing standards. Such standards require a review of internal controls and an examination of selected transactions and other procedures sufficient to provide reasonable assurance that the financial statements neither are misleading nor contain material errors. The Report of Independent Accountants does not limit the responsibility of management for information contained in the financial statements and elsewhere in the annual report.



David N. Smith  
Chief Financial Officer  
and Executive Vice President of Financial Services



Certain principles are essential to the protection of the public interest, most notably reliability of service, universal access, environmental responsibility and the promotion of economic development.



▲ *TVA is the nation's largest wholesale producer of electricity.*



▲ *TVA's electric generation facilities include state of the art computer controlled production.*



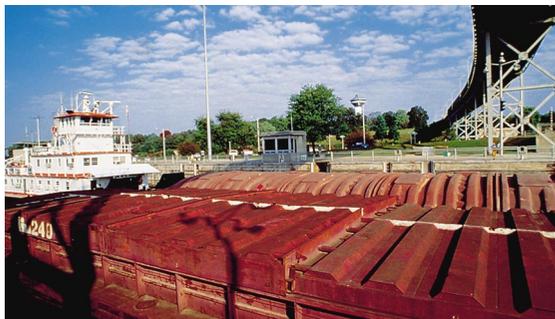
▲ *TVA's 17,000-mile system of transmission lines through seven states serves as a vital part of the United States energy infrastructure.*



▲ *TVA is environmentally sensitive in managing the thousands of acres along the Tennessee River system.*



▲ *The energy right® program was developed jointly by TVA and its customers to promote energy conservation through more efficient power use.*



▲ *TVA manages the nation's fifth largest river system for flood control, navigation, power production and recreation.*

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