

POTOMAC ELECTRIC POWER CO

Form 424B5

May 26, 2005

Table of Contents

Filed Pursuant to Rule 424(b)(5)

Registration No. 333-106209

PROSPECTUS SUPPLEMENT TO PROSPECTUS DATED JULY 11, 2003

\$175,000,000

Potomac Electric Power Company

5.40% Senior Notes due June 1, 2035

We will pay interest on the senior notes on June 1 and December 1 of each year, beginning December 1, 2005. The senior notes will mature on June 1, 2035.

We may redeem the senior notes in whole or in part at any time at the redemption prices described in this prospectus supplement. There is no sinking fund for the senior notes.

Until the release date described in the accompanying prospectus, the senior notes will be secured by a separate series of our first mortgage bonds. On the release date, the senior notes will become unsecured and rank equally with all of our other unsecured and unsubordinated indebtedness. The senior indenture under which the senior notes will be issued contains covenants that limit our ability to incur certain liens and engage in certain sale and leaseback transactions following the release date.

We do not intend to apply for listing of the senior notes on any securities exchange or automated quotation system.

Investing in the senior notes involves risks. See Risk Factors beginning on page S-5.

	Price to Public(1)	Underwriting Discounts and Commissions	Proceeds, before expenses, to us(1)
	_____	_____	_____
Per senior note	99.646%	.875%	98.771%
Total	\$174,380,500	\$1,531,250	\$172,849,250

(1) Plus accrued interest, if any, from June 1, 2005 if settlement occurs after that date.

Delivery of the senior notes in book-entry form only will be made on or about June 1, 2005.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the prospectus to which it relates is truthful or complete. Any representation to the contrary is a criminal offense.

Credit Suisse First Boston

Merrill Lynch & Co.

Citigroup

Wachovia Securities

BNY Capital Markets, Inc.

Morgan Stanley

Lazard Capital Markets KeyBanc Capital Markets SunTrust Robinson Humphrey

JPMorgan

Scotia Capital

RBS Greenwich Capital

The date of this prospectus supplement is May 24, 2005.

Table of Contents**TABLE OF CONTENTS**

	<u>Page</u>
PROSPECTUS SUPPLEMENT	
<u>TABLE OF CONTENTS</u>	S-1
<u>ABOUT THIS PROSPECTUS SUPPLEMENT</u>	S-1
<u>PROSPECTUS SUPPLEMENT SUMMARY</u>	S-2
<u>RISK FACTORS</u>	S-5
<u>USE OF PROCEEDS</u>	S-9
<u>RATIO OF EARNINGS TO FIXED CHARGES</u>	S-9
<u>CAPITALIZATION</u>	S-10
<u>SELECTED HISTORICAL CONSOLIDATED FINANCIAL INFORMATION</u>	S-11
<u>DESCRIPTION OF THE SENIOR NOTES</u>	S-12
<u>UNDERWRITING</u>	S-16
<u>EXPERTS</u>	S-17
<u>LEGAL MATTERS</u>	S-17
PROSPECTUS	
<u>TABLE OF CONTENTS</u>	i
<u>ABOUT THIS PROSPECTUS</u>	ii
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	ii
<u>FORWARD-LOOKING STATEMENTS</u>	iii
<u>POTOMAC ELECTRIC POWER COMPANY</u>	1
<u>USE OF PROCEEDS</u>	1
<u>RATIO OF EARNINGS TO FIXED CHARGES AND PREFERRED STOCK DIVIDENDS</u>	2
<u>DESCRIPTION OF SENIOR NOTES</u>	3
<u>DESCRIPTION OF FIRST MORTGAGE BONDS</u>	16
<u>DESCRIPTION OF MEDIUM TERM NOTES</u>	23
<u>INFORMATION ABOUT THE TRUSTEE</u>	31
<u>DESCRIPTION OF PREFERRED STOCK</u>	31
<u>PLAN OF DISTRIBUTION</u>	33
<u>LEGAL MATTERS</u>	35
<u>EXPERTS</u>	35

ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is the prospectus supplement which describes the specific terms of this offering and certain other matters relating to us and our financial condition. The second part is the prospectus which gives more general information about securities we may offer from time to time. Some of the information in the prospectus does not apply to this offering. You should read the entire prospectus supplement and the accompanying prospectus, including the documents incorporated by reference which are described under Where You Can Find More Information in the prospectus.

You should rely only on the information contained in the prospectus supplement and the prospectus, including the information contained in the documents incorporated by reference. To the extent the information in the prospectus supplement differs from the information in the prospectus, you should rely on the information in the prospectus supplement. Neither we nor the underwriters have authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. Neither we nor the underwriters are making an offer of these securities in any jurisdiction where the offer is not permitted. The information in this prospectus supplement, the prospectus and the documents incorporated by reference is only accurate

as of the date of the respective documents in which the information appears. Our business, financial condition, results of operations and prospects may have changed since those dates.

S-1

Table of Contents

PROSPECTUS SUPPLEMENT SUMMARY

*In this prospectus supplement, unless the context indicates otherwise, the words **Pepco, the company, we, our, ours and us** refer to Potomac Electric Power Company and its consolidated subsidiaries.*

*The following summary contains basic information about this offering. It may not contain all of the information that is important to you. The **Description of the Senior Notes** section of this prospectus supplement and the **Description of Senior Notes** section of the accompanying prospectus contain more detailed information regarding the senior notes. The following summary is qualified in its entirety by reference to the more detailed information appearing elsewhere in this prospectus supplement and in the prospectus to which it relates, including the documents incorporated by reference.*

Potomac Electric Power Company

We are a wholly owned subsidiary of Pepco Holdings, Inc., or PHI, which is a registered holding company under the Public Utility Holding Company Act of 1935, or PUHCA. We are engaged in the transmission and distribution of electricity in Washington, D.C. and major portions of Prince George's and Montgomery Counties in suburban Maryland. Our service territory covers approximately 640 square miles and has a population of approximately 2 million. As of March 31, 2005, approximately 57% and 43% of delivered electricity sales were to Maryland and Washington, D.C. customers, respectively. Also as of March 31, 2005, approximately 31% of delivered electricity sales were to residential customers and 69% were to commercial customers.

Under a settlement approved by the Maryland Public Service Commission, or the MPSC, in April 2003, we are required to provide default electricity supply, also known as standard offer service, at market rates in Maryland to residential and small commercial customers through May 2008, to medium-sized commercial customers through May 2006, and to large commercial customers through May 2005. We also are required to provide default electricity supply at hourly priced market rates to the largest commercial customers through May 2006. In accordance with the settlement, we purchase the power supply required to satisfy our market rate default supply obligation from wholesale suppliers under contracts entered into pursuant to a competitive bid procedure approved by the MPSC. We are entitled to recover from our default supply customers the cost of the default supply plus an average margin of approximately \$0.002 per kilowatt hour, calculated based on total sales to residential, small and large commercial default customers over the twelve months ended December 31, 2003.

Under orders issued by the District of Columbia Public Service Commission, or the DCPSC, in March 2004 and July 2004, we are obligated to provide default electricity supply at market rates in Washington, D.C. to residential and small commercial customers until June 2011 and to large commercial customers until June 2007. In accordance with the orders, we purchase the power supply required to satisfy our market rate default supply obligation from wholesale suppliers under contracts entered into pursuant to a competitive bid procedure approved by the DCPSC. We are entitled to recover from our default supply customers the cost of the default supply plus administrative charges that are intended to allow us to recover the administrative costs incurred to provide the default electricity supply. These administrative charges include an average margin for us of approximately \$0.00248 per kilowatt hour, calculated based on total sales to residential, small and large commercial District of Columbia default customers over the twelve months ended December 31, 2003.

Because the default supply margins in both Maryland and the District of Columbia vary by customer class, the actual average margin over any given time period depends on the amount of electricity used by the respective classes of customers over the time period.

Table of Contents

We are paid tariff delivery rates for the delivery of electricity in Maryland and the District of Columbia over our transmission and distribution facilities to both default supply customers and customers who have selected another energy supplier. In Maryland, these delivery rates generally are capped through December 31, 2006. Delivery rates in the District of Columbia generally are capped through July 2007, except with respect to residential low-income customers, for whom rates generally are capped through July 2009. In July 2004, we filed a distribution rate review case with the DCPSC as required by the terms of the Pepco-Conectiv merger settlement approved by the DCPSC to determine whether our distribution rates would be decreased during the cap rate periods. On April 7, 2005, the DCPSC approved a settlement of this proceeding, which provides that our current distribution rates will remain unchanged through the end of the rate cap periods, except as otherwise provided in the merger settlement, or as may otherwise be required by the DCPSC or by law.

The transmission facilities owned by us are interconnected with the transmission facilities of contiguous utilities and as such are part of an interstate power transmission grid over which electricity is transmitted throughout the mid-Atlantic region and the eastern United States. The Federal Energy Regulatory Commission, or FERC, has designated a number of regional transmission operators to coordinate the operation of portions of the interstate transmission grid. We are a member of PJM Interconnection, LLC, or PJM, the regional transmission operator that coordinates the movement of electricity in all or parts of Delaware, Maryland, New Jersey, Ohio, Pennsylvania, Virginia, West Virginia and the District of Columbia. FERC has designated PJM as the sole provider of transmission service in the PJM territory. Any entity that wishes to deliver electricity at any point in PJM's territory must obtain transmission services from PJM at rates approved by FERC. In accordance with FERC rules, we and the other utilities in the region make our transmission facilities available to PJM and PJM directs and controls the operation of these transmission facilities. In return for the use of these transmission facilities, PJM pays the member utilities transmission fees approved by FERC.

In addition to us, PHI's regulated subsidiaries include Delmarva Power & Light Company and Atlantic City Electric Company. PHI is a publicly held company and files periodic reports and other documents with the SEC. All of the members of our Board of Directors and many of our executive officers are executive officers of PHI. Because PHI is a registered holding company under PUHCA, our relationship with PHI and certain of our activities are subject to the regulatory oversight of the Securities and Exchange Commission, or SEC, under PUHCA.

Our headquarters are located at 701 Ninth Street, N.W., Washington, D.C. 20068, and our telephone number is (202) 872-2000.

Table of Contents

The Offering

Issuer	Potomac Electric Power Company
Securities Offered	\$175,000,000 aggregate principal amount of 5.40% senior notes due 2035
Maturity	June 1, 2035
Interest Rate	5.40% per annum
Interest Payment Dates	June 1 and December 1, beginning December 1, 2005
Security	Until the release date, a series of our first mortgage bonds that we will issue and deliver to the senior trustee will secure the senior notes. On the release date, the first mortgage bonds will cease to secure the senior notes and the senior notes will become our unsecured general obligations and rank equally with our other unsecured and unsubordinated indebtedness. See <i>Description of the Senior Notes Security; Limitation on Liens and Sale and Leaseback Transactions</i> in this prospectus supplement and <i>Description of Senior Notes Security; Release Date</i> in the accompanying prospectus.
Limitation on Liens and Sale and Leaseback Transactions After Release Date	The senior indenture contains covenants that limit our ability to incur certain liens and engage in certain sale and leaseback transactions following the release date. See <i>Description of the Senior Notes Security; Limitation on Liens and Sale and Leaseback Transactions</i> in this prospectus supplement and <i>Description of Senior Notes Limitations on Liens and Sale and Leaseback Transactions After Release Date</i> in the accompanying prospectus.
Optional Redemption	We may redeem all or any portion of the senior notes at any time at the redemption prices described under <i>Description of the Senior Notes Optional Redemption</i> in this prospectus supplement, plus accrued and unpaid interest.
Use of Proceeds	We estimate that the net proceeds from the offering will be approximately \$172.6 million after deducting the underwriters' discount and our estimated offering expenses. We intend to use all of the net proceeds, along with cash on hand or short-term debt, to repay \$175 million of our existing indebtedness and approximately \$2.5 million of associated redemption premiums. See <i>Use of Proceeds</i> in this prospectus supplement.
Sinking Fund	None
Risk Factors	You should read the <i>Risk Factors</i> section, beginning on page S-5 of this prospectus supplement, to understand the risks associated with an investment in the senior notes.

Table of Contents

RISK FACTORS

*Investing in the senior notes involves risk. You should carefully consider all of the information included or incorporated by reference in this prospectus supplement and the accompanying prospectus before deciding whether to make an investment. In particular, you should carefully consider the risks and uncertainties referred to below or listed under *Forward-Looking Statements* in the accompanying prospectus. These risks and uncertainties are those that we have identified as the most significant to a decision whether or not to invest in the senior notes. There may be additional risks that are not currently known to us or that we do not currently consider important. These risks and uncertainties could have an adverse effect on our business, including, depending on the circumstances, our results of operations and financial condition, or could adversely affect the value of the senior notes offered by this prospectus supplement.*

We are a public utility that is subject to substantial governmental regulation. If we receive unfavorable regulatory treatment, our business could be negatively affected.

Our utility business is subject to regulation by various federal, state and local regulatory agencies that significantly affects our operations. Our operations are regulated in Maryland by the MPSC and in Washington, D.C. by the DCPSC with respect to, among other things, the rates we can charge retail customers for the delivery of electricity. In addition, the rates that we can charge for electricity transmission are regulated by FERC. We cannot change delivery or transmission rates without approval by the applicable regulatory authority. While the approved delivery and transmission rates are intended to permit us to recover our costs of service and earn a reasonable rate of return, our profitability is affected by the rates we are able to charge. In addition, if the costs incurred by us in operating our transmission and distribution facilities exceed the allowed amounts for costs included in the approved rates, our financial results will be adversely affected.

We also are required to have numerous permits, approvals and certificates from governmental agencies that regulate our business. We believe that we have obtained or sought renewal of the material permits, approvals and certificates necessary for our existing operations and that our business is conducted in accordance with applicable laws; however, we are unable to predict the impact of future regulatory activities of any of these agencies on our business. Changes in or reinterpretations of existing laws or regulations, or the imposition of new laws or regulations, may require us to incur additional expenses or to change the way we conduct our operations.

Our business could be adversely affected by the Mirant bankruptcy.

In 2000, we sold substantially all of our electricity generation assets to Mirant. As part of the sale, we entered into several ongoing contractual arrangements with Mirant and certain of its subsidiaries. On July 14, 2003, Mirant and most of its subsidiaries filed a voluntary petition for reorganization under Chapter 11 of the U.S. Bankruptcy Code in the U.S. Bankruptcy Court for the Northern District of Texas. Depending on the outcome of the proceedings, the Mirant bankruptcy could adversely affect our business. For more information, please see the information in the section captioned *Management's Discussion and Analysis of Financial Condition and Results of Operations - Regulatory and Other Matters Relationship with Mirant Corporation* in our Annual Report on Form 10-K for the year ended December 31, 2004 and in the section captioned *Notes to Financial Statements - Commitments and Contingencies - Regulatory and Other Matters - Relationship with Mirant Corporation* in our Quarterly Report on Form 10-Q for the quarter ended March 31, 2005.

We could be required to make additional divestiture proceeds gain-sharing payments to customers in the District of Columbia and Maryland.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We currently are involved in regulatory proceedings in Maryland and the District of Columbia related to the sharing of the net proceeds from the sale of our generation-related assets. The principal issue in the proceedings is whether we should be required to share with customers the excess deferred income taxes and accumulated deferred investment tax credits associated with the sold assets and, if so, whether such sharing would violate the

S-5

Table of Contents

normalization provisions of the Internal Revenue Code and its implementing regulations. Depending on the outcome of the proceedings, we could be required to make additional gain-sharing payments to customers and payments to the IRS in the amount of the associated accumulated deferred investment tax credits, and we might be unable to use accelerated depreciation on District of Columbia and Maryland allocated or assigned property. For more information, please see the information in the section captioned "Management's Discussion and Analysis of Financial Condition and Results of Operations - Regulatory and Other Matters - Divestiture Cases" in our Annual Report on Form 10-K for the year ended December 31, 2004 and in the section captioned "Notes to Financial Statements - Commitments and Contingencies - Regulatory and Other Matters - Divestiture Cases" in our Quarterly Report on Form 10-Q for the quarter ended March 31, 2005.

Our operating results fluctuate on a seasonal basis and can be adversely affected by changes in weather.

Our utility business is seasonal and weather patterns can have a material impact on our operating performance. Demand for electricity is generally greater in the summer months associated with cooling and demand for electricity is generally greater in the winter months associated with heating as compared to other times of the year. Accordingly, we historically have generated less revenues and income when weather conditions are milder in the winter and cooler in the summer.

Our facilities may not operate as planned or may require significant maintenance expenditures, which could decrease our revenues or increase our expenses.

Operation of transmission and distribution facilities involves many risks, including the breakdown or failure of equipment, accidents, labor disputes and performance below expected levels. Older facilities and equipment, even if maintained in accordance with good engineering practices, may require significant capital expenditures for additions or upgrades to keep them operating at peak efficiency, to comply with changing environmental requirements, or to provide reliable operations. Natural disasters and weather-related incidents, including tornadoes, hurricanes and snow and ice storms, also can disrupt transmission and distribution delivery systems. Operation of transmission and distribution facilities below expected capacity levels can reduce revenues and result in the incurrence of additional expenses that may not be recoverable from customers or through insurance. Furthermore, if we are unable to perform our contractual obligations for any of these reasons, we may incur penalties or damages.

Our transmission facilities are interconnected with the facilities of other transmission facility owners whose actions could have a negative impact on our operations.

Our transmission facilities are directly interconnected with the transmission facilities of contiguous utilities and as such are part of an interstate power transmission grid. FERC has designated a number of regional transmission operators to coordinate the operation of portions of the interstate transmission grid. We are a member of PJM, which is the regional transmission operator that coordinates the movement of electricity in all or parts of Delaware, Maryland, New Jersey, Ohio, Pennsylvania, Virginia, West Virginia and the District of Columbia. We operate our transmission facilities under the direction and control of PJM. PJM and the other regional transmission operators have established sophisticated systems that are designed to ensure the reliability of the operation of transmission facilities and prevent the operations of one utility from having an adverse impact on the operations of the other utilities. However, the systems put in place by PJM and the other regional transmission operators may not always be adequate to prevent problems at other utilities from causing service interruptions in our transmission facilities. If we were to suffer such a service interruption, it could have a negative impact on our business.

The cost of compliance with environmental laws is significant and new environmental laws may increase our expenses.

Our operations are subject to extensive federal, state and local environmental statutes, rules and regulations, relating to air quality, water quality, waste management, natural resources, site remediation, and health and safety. These laws and regulations require us to incur expenses to, among other things, conduct site remediation

S-6

Table of Contents

and perform environmental monitoring. We also may be required to pay significant remediation costs with respect to third party sites. If we fail to comply with applicable environmental laws and regulations, even if caused by factors beyond our control, such failure could result in the assessment of civil or criminal penalties and liabilities and the need to expend significant sums to come into compliance.

In addition, we incur costs to obtain and comply with a variety of environmental permits, licenses, inspections and other approvals. If there is a delay in obtaining any required environmental regulatory approval or if we fail to obtain, maintain or comply with any such approval, operations at affected facilities could be halted or subjected to additional costs.

New environmental laws and regulations, or new interpretations of existing laws and regulations, could impose more stringent limitations on our operations or require us to incur significant additional costs. Our current compliance strategy may not successfully address the relevant standards and interpretations of the future.

Changes in technology may adversely affect our electricity delivery businesses.

Increased conservation efforts and advances in technology could reduce demand for electricity supply and distribution, which could adversely affect our business. In addition, changes in technology also could alter the channels through which retail electric customers buy electricity, which could adversely affect our business.

Acts of terrorism could adversely affect our business.

The threat of or actual acts of terrorism may affect our operations in unpredictable ways and may cause changes in the insurance markets, force us to increase security measures and cause disruptions of power markets. If any of our transmission or distribution facilities were to be a direct target, or an indirect casualty, of an act of terrorism, our operations could be adversely affected. Instability in the financial markets as a result of terrorism also could affect our ability to raise needed capital.

Our insurance coverage may not be sufficient to cover all casualty losses that we might incur.

We currently have insurance coverage for our facilities and operations in amounts and with deductibles that we consider appropriate. However, there is no assurance that such insurance coverage will be available in the future on commercially reasonable terms. In addition, some risks, such as weather related casualties, may not be insurable. In the case of loss or damage to property, plant or equipment, there is no assurance that the insurance proceeds, if any, received will be sufficient to cover the entire cost of replacement or repair.

We may be adversely affected by economic conditions.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Periods of slowed economic activity generally result in decreased demand for power, particularly by industrial and large commercial customers. As a consequence, recessions or other downturns in the economy may result in decreased revenues and cash flows for us.

We are dependent on our ability to successfully access capital markets. An inability to access capital may adversely affect our business.

We rely on access to both short-term money markets and longer-term capital markets as a source of liquidity and to satisfy our capital requirements not satisfied by the cash flow from our operations. Capital market disruptions, or a downgrade in our credit ratings, would increase the cost of borrowing or could adversely affect our ability to access one or more financial markets. Disruptions to the capital markets could include, but are not limited to:

recession or an economic slowdown;

the bankruptcy of one or more energy companies;

S-7

Table of Contents

significant increases in the prices for oil or other fuel;

a terrorist attack or threatened attacks; or

a significant transmission failure.

We may be required to, or may elect to, make significant cash contributions to PHI's defined benefit pension plan.

We follow the guidance of Statement of Financial Accounting Standards, or SFAS, No. 87, "Employers' Accounting for Pensions" in accounting for pension benefits under PHI's defined benefit pension plan, a non-contributory defined benefit plan in which our employees participate. In accordance with these accounting standards, we make assumptions regarding the valuation of benefit obligations and the performance of plan assets. Changes in assumptions, such as the use of a different discount rate or expected return on plan assets, affect the calculation of projected benefit obligations, accumulated benefit obligation, or ABO, reported pension liability on our balance sheet, and reported annual net periodic pension benefit cost on our income statement.

Furthermore, as a result of actual pension plan experience being different from expected, the ABO could be greater than the fair value of pension plan assets. If this were to occur, we could be required to recognize an additional minimum liability as prescribed by SFAS No. 87. The liability would be recorded as a reduction to common equity through a charge to Other Comprehensive Income, or OCI, and would not affect net income for the year. The charge to OCI would be restored through common equity in future periods when the fair value of plan assets exceeded the ABO. PHI's current funding policy is to make cash contributions to the pension plan sufficient for plan assets to exceed the ABO, and avoid the recognition of an additional minimum liability.

Use of alternative assumptions could also impact the expected future cash funding requirements for PHI's defined benefit pension plan if it did not meet the minimum funding requirements of the Employment Retirement Income Security Act of 1974.

Energy companies are subject to adverse publicity, which may render us vulnerable to negative regulatory and litigation outcomes.

The energy sector has been among the sectors of the economy that have been the subject of highly publicized allegations of misconduct in recent years. In addition, many utility companies have been publicly criticized for their performance during recent natural disasters and weather related incidents. Adverse publicity of this nature may render legislatures, regulatory authorities, and tribunals less likely to view energy companies such as us in a favorable light and may cause them to be susceptible to adverse outcomes with respect to decisions by such bodies.

Because we are a wholly owned subsidiary of PHI, PHI can exercise substantial control over our dividend policy and business and operations.

All of the members of our board of directors, as well as many of our executive officers, are officers of PHI. Among other decisions, our board is responsible for decisions regarding payment of dividends, financing and capital raising activities, and acquisition and disposition of assets. Within the limitations of applicable law, including limitations imposed by PUHCA, and subject to the financial covenants under our outstanding

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

debt instruments, our board of directors will base its decisions concerning the amount and timing of dividends, and other business decisions, on our earnings, cash flow and capital structure, but may also take into account the business plans and financial requirements of PHI and its other subsidiaries.

The release of the first mortgage bonds on the release date could have an adverse effect on the market value of the senior notes.

On and after the release date, the senior notes will not be secured by the first mortgage bonds and will become our unsecured general obligations ranking equally with our other unsecured and unsubordinated indebtedness. Although the indenture contains covenants that limit our ability to incur certain liens and enter into

S-8

Table of Contents

sale and leaseback transactions, it is possible that the release of the first mortgage bonds could have an adverse effect on the market value of the senior notes.

We cannot assure you that an active trading market for the senior notes will develop.

We do not intend to apply for listing of the senior notes on any securities exchange or automated quotation system. There can be no assurance as to the liquidity of any market that may develop for the senior notes, the ability of the noteholders to sell their senior notes or the price at which the noteholders will be able to sell their senior notes. Future trading prices of the senior notes will depend on many factors including, among other things, prevailing interest rates, our operating results and the market for similar securities.

The underwriters have informed us that they intend to make a market in the senior notes. However, the underwriters are not obligated to do so, and any such market-making activity may be terminated at any time without notice. If a market for the senior notes does not develop, purchasers may be unable to resell the senior notes for an extended period of time. Consequently, a noteholder may not be able to liquidate its investment readily, and the senior notes may not be readily accepted as collateral for loans. In addition, such market-making activity will be subject to restrictions under federal securities laws.

USE OF PROCEEDS

We estimate that the net proceeds from the offering of the senior notes will be approximately \$172.6 million after deducting the underwriters discount and our estimated offering expenses. We intend to use the net proceeds from this offering, along with cash on hand or short-term debt, to redeem on or after September 15, 2005 \$75 million of our 7.375% first mortgage bonds due September 15, 2025 at a redemption price of 103.38% of principal amount and to pay at maturity \$100 million of our 6.50% first mortgage bonds due September 15, 2005. In the interim, we will use the net proceeds from this offering to repay short-term debt having as of April 30, 2005 an average interest rate of 2.93% or invest the net proceeds in short-term instruments.

RATIO OF EARNINGS TO FIXED CHARGES

Set forth below are our ratio of earnings to fixed charges and our ratio of earnings to fixed charges and preferred stock dividends each for the three months ended March 31, 2005 and for each year in the five-year period ended December 31, 2004.

	Three Months Ended	Twelve Months Ended				
		December 31,				
	March 31, 2005	2004	2003	2002	2001	2000
Ratio of Earnings to Fixed Charges	1.90x	2.61x	2.70x	2.60x	2.40x	3.78x
Ratio of Earnings to Fixed Charges and Preferred Stock Dividends	1.86x	2.57x	2.56x	2.46x	2.32x	3.63x

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

For purposes of calculating the ratio of earnings to fixed charges, earnings consist of net income, plus taxes based on income, plus fixed charges, which consist of interest expense (which includes distributions on mandatorily redeemable preferred stock and Company Obligated Mandatorily Redeemable Preferred Securities of Subsidiary Trust (the Trust Preferred) subsequent to the implementation of SFAS No. 150 on July 1, 2003, and prior to their redemption on December 29, 2003), interest factor in rentals and, prior to the implementation of SFAS No. 150, distributions on the Trust Preferred, less subsidiary capitalized interest.

In connection with our merger with Conectiv in 2002, we transferred ownership of our pre-merger subsidiaries, Potomac Capital Investment Corporation, or PCI, and Pepco Energy Services, Inc., or PES, to PHI on August 1, 2002. The earnings and fixed charges from which the foregoing ratios were calculated include the earnings and fixed charges of PCI and PES for periods prior to August 1, 2002, but exclude their earnings and fixed charges for periods on and after August 1, 2002. Accordingly, the ratios for the years presented are not comparable.

S-9

Table of Contents

CAPITALIZATION

The table below shows our capitalization as of March 31, 2005:

on an actual consolidated basis; and

as adjusted to give effect to the sale of the senior notes offered hereby and the use of the net proceeds of this offering.

You should read this table along with our consolidated financial statements and the related notes incorporated by reference in the accompanying prospectus.

Potomac Electric Power Company

(In Millions)

	As of	
	March 31, 2005	
	Actual	As Adjusted
Short-term debt(a)	\$ 136.4	\$ 41.2
Capital lease obligations due within one year	4.7	4.7
Long-term debt(b)	1,198.4	1,297.8
Capital lease obligations	121.2	121.2
Redeemable serial preferred stock	27.0	27.0
Shareholder's equity	999.0	999.0
Total Capitalization	\$ 2,486.7	\$ 2,490.9

(a) Actual includes \$100 million of current maturities of long-term debt.

(b) Long-term debt is net of unamortized discount.

Table of Contents**SELECTED HISTORICAL CONSOLIDATED FINANCIAL INFORMATION**

The following table contains selected historical consolidated financial information for Pepco derived from our audited financial statements. The selected historical consolidated financial information as of and for the three months ended March 31, 2005 is derived from the unaudited financial statements of Pepco as of and for the three months ended March 31, 2005, and the selected historical consolidated financial information as of and for the years ended December 31, 2004, 2003 and 2002 is derived from the audited financial statements of Pepco as of and for the years ended December 31, 2004, 2003 and 2002. The selected historical consolidated financial information should be read in conjunction with the financial statements and related notes thereto incorporated by reference in the accompanying prospectus. The financial results for the three months ended March 31, 2005 are not necessarily indicative of the results that may be expected for an entire year.

In connection with our merger with Conectiv in 2002, we transferred ownership of our pre-merger subsidiaries PCI and PES to PHI on August 1, 2002. The financial information presented below includes information for PCI and PES for periods prior to August 1, 2002, but excludes their information for periods on and after August 1, 2002. Accordingly, the financial information for the years presented is not comparable.

Potomac Electric Power Company

(In Millions)

	As of and for the Year Ended December 31,			As of and for the Three
	2002	2003	2004	Months Ended March 31, 2005
Income Statement Data				
Operating revenue	\$ 1,988.0	\$ 1,548.0	\$ 1,805.9	\$ 425.5
Operating expenses	1,663.1	1,298.9	1,579.7	388.4
Operating income	324.9	249.1	226.2	37.1
Net income	139.1	104.6	96.6	11.5
Balance Sheet Data				
Cash and cash equivalents	\$ 18.2	\$ 6.8	\$ 1.5	\$ 8.3
Total assets	3,723.3	3,670.0	3,722.3(a)	3,778.7
Capitalization				
Short-term debt(b)	\$ 90.0	\$ 107.5	\$ 114.0	\$ 136.4
Capital lease obligations due within one year	15.6	4.2	4.7	4.7
Long-term debt(c)	1,083.5	1,130.4	1,198.3	1,198.4
Capital lease obligations	118.7	126.1	121.3	121.2
Trust preferred securities(d)	125.0			
Redeemable serial preferred stock(e)	82.8	80.3	27.0	27.0
Shareholder's equity	975.4	1,011.8	1,002.7	999.0
Total Capitalization	\$ 2,491.0	\$ 2,460.3	\$ 2,468.0	\$ 2,486.7

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (a) As reclassified in the unaudited financial statements as of March 31, 2005.
- (b) Includes current maturities of long-term debt.
- (c) Excludes current maturities of long-term debt.
- (d) Company obligated mandatorily redeemable preferred securities of subsidiary trust which holds solely parent junior subordinated debentures (redeemed in December 2003).
- (e) Represents Mandatorily Redeemable Serial Preferred Stock (redeemed in September 2004) and Redeemable Serial Preferred Stock.

S-11

Table of Contents

DESCRIPTION OF THE SENIOR NOTES

General

The following description of the terms of the senior notes offered hereby summarizes certain general terms that will apply to the senior notes. The senior notes will be issued under an indenture between us and The Bank of New York, as trustee, dated as of November 17, 2003. We refer to this indenture as the senior indenture and to the trustee under the senior indenture as the senior trustee. This description is not complete, and we refer you to the accompanying prospectus for a description of additional terms of the senior notes and the senior indenture.

The senior notes will be issued in fully-registered form in denominations of \$1,000 and its integral multiples. The senior notes will be initially issued in book-entry form through the facilities of The Depository Trust Company, also referred to as DTC, as depository. For so long as the senior notes remain deposited with DTC in DTC's book-entry system, transfers or exchanges of beneficial interests in the senior notes may be effected only through records maintained by DTC or its nominee, and payments of principal, premium, if any, and interest will be made to DTC in immediately available funds as described under "Book-Entry Only - The Depository Trust Company" below.

Maturity, Interest and Payment

The senior notes will mature on June 1, 2035 and will bear interest at a rate of 5.40% per annum. Interest on the senior notes will be payable semi-annually on June 1 and December 1 of each year, commencing December 1, 2005. If an interest payment date falls on a day that is not a business day, interest will be payable on the next succeeding business day with the same force and effect as if made on such interest payment date. Interest will be paid to the persons in whose names the senior notes are registered at the close of business on each May 15 and November 15. However, interest payable at maturity will be paid to the person to whom the principal is paid. Interest will be calculated on the basis of a 360-day year, consisting of twelve 30-day months, and will accrue from June 1, 2005 or from the most recent interest payment date to which interest has been paid.

Security; Limitation on Liens and Sale and Leaseback Transactions

Simultaneously with the issuance of the senior notes, we will issue and deliver to the senior trustee, for the benefit of the holders of the senior notes in order to secure our obligations under such senior notes, \$175 million in aggregate principal amount of our First Mortgage Bonds, 5.40% Collateral Series due 2035. We refer to the First Mortgage Bonds, 5.40% Collateral Series due 2035 as the collateral bonds.

The collateral bonds will be issued under the Mortgage and Deed of Trust, dated July 1, 1936, between us and The Bank of New York, as trustee (as successor in such capacity to The Riggs National Bank of Washington, D.C.), as amended and supplemented, which we refer to as the mortgage. We will issue the collateral bonds on the basis of unbonded property additions.

After giving effect to the issuance of the collateral bonds:

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

\$1,291.8 million in aggregate principal amount of first mortgage bonds will be outstanding,

as of March 31, 2005, approximately \$294.1 million of property additions were available for the purposes permitted in the mortgage, including the issuance of first mortgage bonds,

as of March 31, 2005, approximately \$753.3 million in aggregate principal amount of refundable bonds (previously issued and no longer outstanding) were available for the purposes permitted in the mortgage, including the issuance of first mortgage bonds, and

as of March 31, 2005, available property additions and refundable bonds would permit, and the net earnings test would not prohibit, the issuance of approximately \$928.8 million in principal amount of additional first mortgage bonds.

See Description of First Mortgage Bonds Issuance of Additional First Mortgage Bonds in the accompanying prospectus.

S-12

Table of Contents

In accordance with the terms of the senior indenture, on the release date the collateral bonds will cease to secure the senior notes and the senior notes will become our unsecured general obligations and rank on a parity with our other unsecured and unsubordinated indebtedness. See Description of Senior Notes Security; Release Date in the accompanying prospectus.

The senior indenture contains covenants that limit our ability to incur certain liens and engage in certain sale and leaseback transactions following the release date. See Description of Senior Notes Limitations on Liens and Sale and Leaseback Transactions After Release Date in the accompanying prospectus.

Optional Redemption

We may redeem any of the senior notes in whole or in part, at our option, at any time prior to their maturity, at the redemption prices described below. We will give notice of our intent to redeem the senior notes at least 30 days, but no more than 60 days, prior to the redemption date.

If we redeem all or any part of the senior notes as described above, we will pay a redemption price equal to the greater of

- (i) 100% of the principal amount of the senior notes being redeemed or
- (ii) the Make-Whole Amount for the senior notes being redeemed,

plus, in each case, accrued interest on such senior notes to the redemption date.

Make-Whole Amount means the sum of the present values of the remaining scheduled payments of principal of and interest (not including the portion of any scheduled payment of interest which accrued prior to the redemption date) on the senior notes being redeemed, discounted to the redemption date on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 20 basis points.

Treasury Rate means, with respect to any redemption date, the rate per annum equal to the semi-annual equivalent yield to maturity of the Comparable Treasury Issue, assuming a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for such redemption date.

Comparable Treasury Issue means the United States Treasury security selected by the Reference Treasury Dealer as having a maturity comparable to the remaining term of the senior notes to be redeemed that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of comparable maturity to the remaining term of such senior notes.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Comparable Treasury Price means, with respect to any redemption date, (i) the average of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) on the third business day preceding such redemption date, as set forth in the H.15 Daily Update of the Federal Reserve Bank, or (ii) if such release (or any successor release) is not published or does not contain prices on such business day, the Reference Treasury Dealer Quotations actually obtained by the trustee for such redemption date.

H.15 Daily Update means the daily update of H.15 (519) available through the worldwide website of the Board of Governors of the Federal Reserve System or any successor site or publication.

H.15 (519) means the weekly statistical release entitled **H.15 (519) Selected Interest Rates** or any successor publication published by the Board of Governors of the Federal Reserve System.

Reference Treasury Dealer means Credit Suisse First Boston LLC and its successors; provided, however, that if Credit Suisse First Boston LLC or its successor shall cease to be a primary United States Treasury securities dealer in New York City (a **Primary Treasury Dealer**) we shall substitute therefor another Primary Treasury Dealer.

S-13

Table of Contents

Reference Treasury Dealer Quotations means, with respect to any redemption date, the average, as determined by the trustee, of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the trustee by the Reference Treasury Dealer at 5:00 p.m. on the third business day preceding such redemption date.

If at the time notice of redemption is given the redemption moneys are not on deposit with the senior trustee, the redemption shall be subject to the receipt of such moneys on or before the redemption date, and such notice shall be of no effect unless such moneys are received.

Upon payment of the redemption price, on and after the redemption date, interest will cease to accrue on the senior notes or portions thereof called for redemption.

Sinking Fund

There is no provision for a sinking fund applicable to the senior notes.

Payment and Paying Agents

Principal, premium, if any, and interest on the senior notes at maturity will be payable upon presentation of the senior notes at the corporate trust office of The Bank of New York, in The City of New York, as paying agent for the senior notes. We may change the place of payment on the senior notes, appoint one or more additional paying agents (including us or any of our affiliates) and remove any paying agent, all at our discretion.

Book-Entry Only The Depository Trust Company

The senior notes will trade through DTC. The senior notes will be issued in fully registered form and will be evidenced by one or more global senior notes registered in the name of DTC's nominee, Cede & Co. The global senior notes will be deposited with the senior trustee as custodian for DTC.

DTC is a New York limited-purpose trust company, a New York banking organization, a New York clearing corporation, a member of the Federal Reserve System and a clearing agency registered under Section 17A of the Securities Exchange Act of 1934, or Exchange Act. DTC holds securities for its participants and also facilitates settlement of securities transactions among its participants through electronic computerized book-entry changes in the participants' accounts, thereby eliminating the need for physical movement of securities certificates. The participants include securities brokers and dealers, banks, trust companies and clearing corporations. DTC is owned by a number of its participants and by the New York Stock Exchange, Inc., American Stock Exchange LLC and National Association of Securities Dealers, Inc. Others who maintain a custodial relationship with a participant can use the DTC system. The rules that apply to DTC and those using its system are on file with the SEC.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Purchases of the senior notes within the DTC system must be made through participants, which will receive a credit for the senior notes on DTC's records. The beneficial ownership interest of each purchaser will be recorded on the participants' records. Beneficial owners will not receive written confirmation from DTC of their purchases, but beneficial owners should receive written confirmations of the transactions, as well as periodic statements of their holdings, from the participants through which they purchased senior notes. Transfers of ownership interests on the senior notes are to be accomplished by entries made on the books of participants acting on behalf of beneficial owners. Beneficial owners will not receive certificates for their senior notes, except if use of the book-entry system for the senior notes is discontinued.

To facilitate subsequent transfers, all senior notes deposited by participants with DTC are registered in the name of DTC's nominee, Cede & Co. The deposit of the senior notes with DTC and their registration in the name of Cede & Co. do not effect any change in beneficial ownership. DTC has no knowledge of the actual beneficial

S-14

Table of Contents

owners of the senior notes; DTC's records reflect only the identity of the participants to whose accounts such senior notes are credited. These participants may or may not be the beneficial owners. Participants will remain responsible for keeping account of their holdings on behalf of their customers.

Conveyance of notices and other communications by DTC to participants, and by participants to beneficial owners, will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time. Redemption notices will be sent to DTC.

Neither DTC, nor Cede & Co., will itself consent or vote with respect to the senior notes. Under its usual procedures, DTC mails an omnibus proxy to us as soon as possible after the record date. The omnibus proxy assigns the voting or consenting rights of Cede & Co. to those participants to whose accounts the senior notes are credited on the record date. We believe that these arrangements will enable the beneficial owners to exercise rights equivalent in substance to the rights that can be directly exercised by a registered holder of the senior notes.

Payments of redemption proceeds, principal of and interest on the senior notes will be made to Cede & Co. DTC's practice is to credit participants' accounts on the relevant payment date in accordance with their respective holdings shown on DTC's records unless DTC has reason to believe that it will not receive payments on that payment date. Payments by participants to beneficial owners will be governed by standing instructions and customary practices and will be the responsibility of participants and not of DTC, the senior trustee or us. Payment of redemption proceeds, principal and interest to Cede & Co. is our responsibility. Disbursement of payments to participants is the responsibility of DTC, and disbursement of payments to the beneficial owners is the responsibility of participants.

A beneficial owner will not be entitled to receive physical delivery of the senior notes. Accordingly, each beneficial owner must rely on the procedures of DTC to exercise any rights under the senior notes.

DTC may discontinue providing its services as securities depository with respect to the senior notes at any time by giving us or the senior trustee reasonable notice. In the event no successor securities depository is obtained, certificates for the senior notes will be printed and delivered.

The information in this section concerning DTC and DTC's book-entry system has been obtained from sources that we believe to be reliable, but neither we nor the underwriters take any responsibility for the accuracy of this information.

Governing Law

The senior indenture and the senior notes will be governed by, and construed in accordance with, the laws of the State of New York.

Modifications of the Mortgage Requiring Consent

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The mortgage has been amended to provide that, with the consent of the holders of 60% in principal amount of outstanding first mortgage bonds and of 60% in principal amount of first mortgage bonds of each series affected if less than all are affected, the mortgage may be changed except to affect the terms of payment of the principal or interest on any first mortgage bonds or to reduce the percentage of bondholders required to effect any change.

S-15

Table of Contents**UNDERWRITING**

Under the terms and subject to the conditions contained in an underwriting agreement dated May 24, 2005, we have agreed to sell to the underwriters named below, for whom Credit Suisse First Boston LLC and Merrill Lynch, Pierce, Fenner & Smith Incorporated are acting as representatives, the following respective principal amounts of the senior notes:

Underwriter	Principal Amount
Credit Suisse First Boston LLC	\$ 56,656,250
Merrill Lynch, Pierce, Fenner & Smith Incorporated	56,656,250
Citigroup Global Markets Inc.	9,625,000
Wachovia Capital Markets, LLC	9,625,000
BNY Capital Markets, Inc.	8,750,000
Morgan Stanley & Co. Incorporated	8,750,000
Lazard Capital Markets LLC	5,687,500
KeyBanc Capital Markets, a Division of McDonald Investments Inc.	5,687,500
SunTrust Capital Markets, Inc.	5,687,500
J.P. Morgan Securities Inc.	2,625,000
Scotia Capital (USA) Inc.	2,625,000
Greenwich Capital Markets, Inc.	2,625,000
Total	\$ 175,000,000

The underwriting agreement provides that the underwriters are obligated to purchase all of the senior notes if any are purchased. The underwriting agreement also provides that if an underwriter defaults, the purchase commitments of non-defaulting underwriters may be increased or the offering of senior notes may be terminated.

The underwriters propose to offer the senior notes initially at the public offering price on the cover page of this prospectus supplement and to selling group members at that price less a selling concession of 0.50% of the principal amount per senior note. The underwriters and selling group members may allow a discount of 0.25% of the principal amount per senior note on sales to other broker/dealers. After the initial public offering, the underwriters may change the public offering price, selling concession and discount to broker/dealers.

We estimate that our out of pocket expenses for this offering will be approximately \$200,000.

The senior notes are a new issue of securities with no established trading market. One or more of the underwriters intends to make a secondary market for the senior notes. However, they are not obligated to do so and may discontinue making a secondary market for the senior notes at any time without notice. No assurance can be given as to how liquid the trading market for the senior notes will be.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We have agreed to indemnify the underwriters against liabilities under the Securities Act of 1933 or contribute to payments which the underwriters may be required to make in that respect.

In the ordinary course of business, the underwriters and their respective affiliates have from time to time performed and may in the future perform various financial advisory, commercial banking and investment banking services for us and our subsidiaries, for which they received or will receive customary fees. The Bank of New York, which is acting as the senior trustee under the senior indenture for the senior notes, is an affiliate of BNY Capital Markets, Inc.

S-16

Table of Contents

In connection with the offering, the underwriters may engage in stabilizing transactions, over-allotment transactions, syndicate covering transactions and penalty bids in accordance with Regulation M under the Exchange Act.

Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum.

Over-allotment involves sales by the underwriters of senior notes in excess of the principal amount of senior notes the underwriters are obligated to purchase, which creates a syndicate short position.

Syndicate covering transactions involve purchases of the senior notes in the open market after the distribution has been completed in order to cover syndicate short positions. A short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the senior notes in the open market after pricing that could adversely affect investors who purchase in the offering.

Penalty bids permit the representatives to reclaim a selling concession from a syndicate member when the senior notes originally sold by the syndicate member are purchased in a stabilizing transaction or a syndicate covering transaction to cover syndicate short positions.

These stabilizing transactions, syndicate covering transactions and penalty bids may have the effect of raising or maintaining the market price of the senior notes or preventing or retarding a decline in the market price of the senior notes. As a result the price of the senior notes may be higher than the price that might otherwise exist in the open market. These transactions, if commenced, may be discontinued at any time.

Credit Suisse First Boston LLC will make securities available for distribution on the Internet through a proprietary Web site and/or a third-party system operated by Market Axess Corporation, an Internet-based communications technology provider. Market Axess Corporation is providing the system as a conduit for communications between Credit Suisse First Boston LLC and its customers and is not a party to any transactions. Market Axess Corporation, a registered broker-dealer, will receive compensation from Credit Suisse First Boston LLC based on transactions the underwriters conduct through the system. Credit Suisse First Boston LLC will make securities available to their customers through the Internet distributions, whether made through a proprietary or third party system, on the same terms as distributions made through other channels.

We expect that delivery of the senior notes will be made against payment thereof on or about the closing date specified on the cover page of this prospectus supplement, which will be the fifth business day following the date of pricing of the senior notes (this settlement cycle being referred to as T+5). Under Rule 15c6-1 of the SEC under the Exchange Act, trades in the secondary market generally are required to settle in three business days, unless the parties to that trade expressly agree otherwise. Accordingly, purchasers who wish to trade on the date of the pricing or the next succeeding business day will be required, by virtue of the fact that the senior notes initially will settle in T+5, to specify an alternative settlement cycle at the time of any such trade to prevent a failed settlement and should consult their own advisor.

Lazard Capital Markets LLC has informed us that it has entered into an agreement with Mitsubishi Securities (USA), Inc., or Mitsubishi, pursuant to which Mitsubishi provides certain advisory and/or other services to Lazard Capital Markets LLC, including in respect of this offering. Lazard Capital Markets LLC has informed us that, in return for the provision of such services by Mitsubishi to Lazard Capital Markets LLC, Lazard Capital Markets LLC will pay to Mitsubishi a mutually agreed upon fee.

EXPERTS

The financial statements incorporated in this prospectus supplement by reference to our Annual Report on Form 10-K for the year ended December 31, 2004 have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

LEGAL MATTERS

Certain legal matters in connection with the offering of the senior notes will be passed upon for us by Kirk J. Emge, Esq., our General Counsel, and by Covington & Burling, Washington, D.C., and for the underwriters by Dewey Ballantine LLP. Dewey Ballantine LLP from time to time represents certain of our affiliates.

S-17

Table of Contents

PROSPECTUS

\$750,000,000

Potomac Electric Power Company

Senior Notes

First Mortgage Bonds

Medium Term Notes

Preferred Stock

By this prospectus, we may offer these securities from time to time in one or more series with an aggregate offering price not to exceed \$750,000,000. We will provide you with specific information about the offering and the terms of these securities in supplements to this prospectus. You should read this prospectus and the relevant prospectus supplement carefully before you invest. This prospectus may not be used to sell securities unless accompanied by a prospectus supplement.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is July 11, 2003.

Table of Contents

TABLE OF CONTENTS

	Page
<u>About This Prospectus</u>	ii
<u>Where You Can Find More Information</u>	ii
<u>Forward-Looking Statements</u>	iii
<u>Potomac Electric Power Company</u>	1
<u>Use of Proceeds</u>	1
<u>Ratio of Earnings to Fixed Charges and Preferred Stock Dividends</u>	2
<u>Description of Senior Notes</u>	3
<u>Description of First Mortgage Bonds</u>	16
<u>Description of Medium Term Notes</u>	23
<u>Information About the Trustee</u>	31
<u>Description of Preferred Stock</u>	31
<u>Plan of Distribution</u>	33
<u>Legal Matters</u>	35
<u>Experts</u>	35

Table of Contents

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission. You should rely only on the information we have provided or incorporated by reference in this prospectus or any prospectus supplement. We have not authorized anyone to provide you with additional or different information. We are not making an offer of these securities in any jurisdiction where the offer is not permitted. You should assume that the information in this prospectus or any prospectus supplement is accurate only as of the date on the front of the document and that any information we have incorporated by reference is accurate only as of the date of the document incorporated by reference.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the SEC utilizing a shelf registration process. Under this shelf process, we may from time to time sell any combination of the securities described in this prospectus in one or more offerings up to a total amount of \$750,000,000. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and the relevant prospectus supplement together with additional information described under the heading **Where You Can Find More Information**.

For more detailed information about the securities, you can also read the exhibits to the registration statement. The exhibits have been either filed with the registration statement or incorporated by reference to earlier SEC filings listed in the registration statement.

In this prospectus, unless the context indicates otherwise, the words **Pepco**, **the company**, **we**, **our**, **ours** and **us** refer to Potomac Electric Power Company and its consolidated subsidiaries.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports and other information with the SEC. Our SEC filings are available to the public over the internet at the SEC's web site at <http://www.sec.gov>. You may also read and copy any document we file at the SEC's public reference room at 450 Fifth Street, N.W., Washington, D.C. 20549. You can obtain further information on the operation of the public reference room by calling the SEC at 1-800-SEC-0330.

This prospectus is part of a registration statement on Form S-3 filed with the SEC under the Securities Act of 1933, as amended. It does not contain all of the information that is important to you. You should read the registration statement for further information about us and the securities. Statements contained in this prospectus concerning the provisions of any document filed as an exhibit to the registration statement or otherwise filed with the SEC highlight selected information, and in each instance reference is made to the copy of the document filed.

The SEC allows us to incorporate by reference the information we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus, and information that we file later with the SEC will automatically update and may supersede this information. We incorporate by reference the documents listed below that we have filed with the SEC and any future filing that we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, from the date of filing of the initial registration statement until we sell all of the securities.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Our Annual Report on Form 10-K for the year ended December 31, 2002; and

Our Quarterly Report on Form 10-Q for the quarter ended March 31, 2003.

If you request copies of any of the documents incorporated by reference, we will send you the copies you requested at no charge. However, we will not send exhibits to such documents, unless such exhibits are specifically incorporated by reference in such documents. You should direct requests for such copies to Potomac Electric Power Company, 701 Ninth Street, N.W., Washington, D.C. 20068, attention: Corporate Secretary. The telephone number is (202) 872-2900.

Table of Contents

FORWARD-LOOKING STATEMENTS

Some of the statements contained in this prospectus and incorporated by reference into this prospectus are forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act and are subject to the safe harbor created by the Private Securities Litigation Reform Act of 1995. These statements include declarations regarding our or our management's intents, beliefs and current expectations. In some cases, you can identify forward-looking statements by terminology such as may, will, should, expects, plans, anticipates, believes, estimates, predicts, potential or continue or the negative of such terms or other comparable terminology. Any forward-looking statements are not guarantees of future performance, and actual results could differ materially from those indicated by the forward-looking statements. Forward-looking statements involve estimates, assumptions, known and unknown risks, uncertainties and other factors that may cause our or our industry's actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by such forward-looking statements.

The forward-looking statements contained and incorporated by reference herein are qualified in their entirety by reference to the following important factors, which are difficult to predict, contain uncertainties, are beyond our control and may cause actual results to differ materially from those contained in forward-looking statements:

Prevailing governmental policies and regulatory actions affecting the energy industry, including with respect to allowed rates of return, industry and rate structure, acquisition and disposal of assets and facilities, operation and construction of plant facilities, recovery of purchased power expenses, and present or prospective wholesale and retail competition (including but not limited to retail wheeling and transmission costs);

Changes in and compliance with environmental and safety laws and policies;

Weather conditions;

Population growth rates and demographic patterns;

Competition for retail and wholesale customers;

General economic conditions, including potential negative impacts resulting from an economic downturn;

Growth in demand, sales and capacity to fulfill demand;

Changes in tax rates or policies or in rates of inflation;

Changes in project costs;

Unanticipated changes in operating expenses and capital expenditures;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Capital market conditions;

Restrictions imposed by the Public Utility Holding Company Act of 1935, which we refer to as PUHCA ;

Legal and administrative proceedings (whether civil or criminal) and settlements that influence our business and profitability;

Pace of entry into new markets;

Trading counterparty credit risk;

Ability to secure electric and natural gas supply to fulfill sales commitments at favorable prices;

Volatility in market demand and prices for energy, capacity and fuel;

iii

Table of Contents

Interest rate fluctuations and credit market concerns; and

Effects of geopolitical events, including the threat of domestic terrorism.

Any forward-looking statements speak only as of the date of this prospectus or any prospectus supplement, and we undertake no obligation to update any forward-looking statements to reflect events or circumstances after the date on which such statements are made or to reflect the occurrence of unanticipated events. New factors emerge from time to time, and it is not possible for us to predict all of such factors, nor can we assess the impact of any such factor on our business or the extent to which any factor, or combination of factors, may cause results to differ materially from those contained in any forward-looking statements. The foregoing review of factors should not be construed as exhaustive.

Table of Contents

POTOMAC ELECTRIC POWER COMPANY

We are a wholly owned subsidiary of Pepco Holdings, Inc., a registered holding company under PUHCA. We are engaged in the transmission and distribution of electricity in Washington, D.C. and major portions of Prince George's and Montgomery Counties in suburban Maryland. As of March 31, 2003, we delivered electricity to approximately 723,000 customers. Under settlements entered into with regulatory authorities, we currently are required to provide default electricity supply (which we refer to as standard offer service) at specified rates to customers in Maryland until July 2004 and to customers in Washington, D.C. until February 2005. Under a full requirements contract entered into in 2000 in connection with the purchase by Mirant Corporation of substantially all of our electricity generation assets, Mirant is obligated to supply us with all of the capacity and energy needed to fulfill these standard offer service obligations at fixed prices that are lower than currently approved tariff rates that we charge for providing such service. The profit is shared with our retail customers. If Mirant were to fail to fulfill its supply obligations, we would be required to seek one or more alternative sources of supply, which may include entry into long-term or short-term agreements, purchases on the spot market or a combination of such sources. A failure by Mirant could have a material adverse effect on our results of operations until the earlier of (i) the replacement of the Mirant supply with alternative sources of electricity on comparable terms and (ii) the expiration of our specified rate standard offer service obligations; however, we do not believe that a Mirant default would have a material adverse impact on our financial position.

In April 2003, the Maryland Public Service Commission approved a settlement to extend the provision of standard offer service that allows local utilities to continue to supply customers with electricity after existing rate caps/freezes expire in July 2004 at market prices. The ruling requires us to provide standard offer service at market rates to all Maryland residential customers from July 2004 through May 2008. There are no minimum stay provisions for such residential customers; therefore, they may stop and resume standard offer service at any time. We will obtain power for the market rate standard offer service through a competitive wholesale bidding process.

Our headquarters are located at 701 Ninth Street, N.W., Washington, D.C. 20068, and our telephone number is (202) 872-2000.

USE OF PROCEEDS

Unless otherwise set forth in a prospectus supplement, we will use the net proceeds from the sale of the securities offered by this prospectus for general corporate purposes, which may include the repayment of debt or the redemption of securities.

Table of Contents**RATIO OF EARNINGS TO FIXED CHARGES AND RATIO OF EARNINGS TO FIXED CHARGES AND PREFERRED STOCK DIVIDENDS**

Set forth below is our ratio of earnings to fixed charges and ratio of earnings to fixed charges and preferred stock dividends for the three months ended March 31, 2003 and for each year in the five-year period ended December 31, 2002.

	Three Months Ended March 31, 2003	Twelve Months Ended December 31,				
		2002	2001	2000	1999	1998
Ratio of Earnings to Fixed Charges	2.30x	2.62x	2.44x	3.78x	2.58x	2.49x
Ratio of Earnings to Fixed Charges and Preferred Stock Dividends	2.13x	2.48x	2.35x	3.63x	2.46x	2.32x

For purposes of calculating the ratio of earnings to fixed charges, earnings consist of net income, plus taxes based on income, plus fixed charges, which consist of interest expense, distributions on Company Obligated Mandatorily Redeemable Preferred Securities of Subsidiary Trust and interest factor in rentals, less subsidiary capitalized interest. Our ratio of earnings to fixed charges and ratio of earnings to fixed charges and preferred stock dividends for the three months ended March 31, 2003 includes only our results. Our ratio of earnings to fixed charges and ratio of earnings to fixed charges and preferred stock dividends for the year ended December 31, 2002 include our results for the entire year and our former subsidiaries' results, Potomac Capital Investment Corporation and Pepco Energy Services, Inc., for the seven month period ended July 31, 2002. Periods prior to 2002 consist of our and these former subsidiaries' results for the full year. Accordingly, certain periods presented herein are not comparable.

Table of Contents

DESCRIPTION OF SENIOR NOTES

The following description of the senior notes sets forth certain general terms and provisions of senior notes that we may offer pursuant to this prospectus. The particular terms of any senior notes and the extent, if any, to which these general provisions will not apply to such senior notes will be described in the prospectus supplement relating to the senior notes.

The senior notes will be issued in one or more series under the indenture, dated as of November 17, 2003, between us and The Bank of New York, as trustee. In this prospectus we refer to this indenture as the senior indenture and the trustee under the senior indenture as the senior trustee. The statements set forth below include brief summaries of certain provisions contained in the senior indenture. These summaries do not purport to be complete and are qualified in their entirety by reference to the senior indenture, the form of which is filed as an exhibit to the registration statement of which this prospectus is a part.

General

Until the release date described below, each series of senior notes offered by this prospectus will be secured by a corresponding series of our first mortgage bonds. See **Security; Release Date** below. In addition to the senior notes offered by this prospectus, the senior indenture provides that we may issue other senior notes from time to time under the senior indenture without limitation as to aggregate principal amount. However, until the release date, the amount of senior notes that we may issue under the senior indenture cannot exceed the aggregate principal amount of first mortgage bonds that we are able to issue under the mortgage. See **Description of First Mortgage Bonds Issuance of Additional First Mortgage Bonds** below.

The relevant prospectus supplement will describe the terms of the senior notes being offered, including:

the title of the senior notes;

any limit on the aggregate principal amount of the senior notes;

the date or dates on which the principal of and any premium on the senior notes will be payable;

the rate or rates at which the senior notes will bear interest, if any;

the currency or currency unit of payment if other than United States dollars;

the date from which interest, if any, on the senior notes will accrue, the dates on which interest, if any, will be payable, the date on which payment of interest, if any, will commence, and the record dates for any interest payments;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

our right, if any, to extend interest payment periods and the duration of any extension;

any redemption, repayment or sinking fund provisions;

the place or places where the principal of and any premium and interest on the senior notes will be payable;

the denominations in which the senior notes will be issuable;

the index, if any, with reference to which the amount of principal of or any premium or interest on the senior notes will be determined;

any addition to or change in the events of default set forth in the senior indenture applicable to the senior notes and any change in the right of the senior trustee or the holders to declare the principal amount of the senior notes due and payable;

any addition to or change in the covenants set forth in the senior indenture; and

any other terms of the senior notes not inconsistent with the provisions of the senior indenture.

The senior indenture does not contain any covenants or other provisions that specifically are intended to afford holders of the senior notes special protection in the event of a highly leveraged transaction.

Table of Contents

Security; Release Date

General

Until the release date, the payment of principal of, and any premium and interest on, each series of senior notes offered by this prospectus and the accompanying prospectus supplement will be secured by a corresponding series of first mortgage bonds issued under the mortgage described below and held by the senior trustee. See *Description of First Mortgage Bonds* below. In this prospectus we refer to first mortgage bonds held by the senior trustee as security for senior notes as collateral bonds. At any time after all first mortgage bonds issued and outstanding under the mortgage, other than collateral bonds, have been retired through payment or redemption (including first mortgage bonds deemed to have been paid within the meaning of Article XVI of the mortgage), so long as no default or Event of Default has occurred and is continuing under the senior indenture and certain other requirements are met, the senior trustee will surrender all collateral bonds to us on a date specified by us. We refer to this date as the release date. After the release date, the senior notes will cease to be secured by collateral bonds and will become our unsecured general obligations. (Senior Indenture, Section 1303)

Delivery of Collateral Bonds

Simultaneously with or prior to the issuance of each series of senior notes, we will issue and deliver to the senior trustee, for the benefit of the holders of the senior notes of that series, collateral bonds registered in the name of the senior trustee

in an aggregate principal amount equal to or exceeding the aggregate principal amount of the senior notes of such series,

with a stated maturity date that is the same as the stated maturity date of the senior notes of such series,

bearing an interest rate equal to the interest rate borne by the senior notes of such series,

having interest payment dates that are the same as the interest payment dates of the senior notes of such series,

with the same redemption provisions, if any, as the senior notes of such series (in addition to those described below under *Description of First Mortgage Bonds Mandatory Redemption*), and

in all other material respects conforming as nearly as is practicable to the terms of the senior notes of such series.

(Senior Indenture, Section 1302)

Until the release date, the collateral bonds delivered to the senior trustee will be held in trust by the senior trustee for the equal and proportionate benefit and security of the holders from time to time of the corresponding series of senior notes, and shall serve as security for

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

the full and prompt payment of the principal of and premium, if any, on the corresponding series of senior notes when and as the same shall become due in accordance with the terms and provisions of the senior notes and the senior indenture, whether at stated maturity or by declaration of acceleration, call for redemption or otherwise and

the full and prompt payment of interest on such senior notes when and as the same shall become due in accordance with the terms and provisions of the senior notes and the senior indenture.

(Senior Indenture, Section 1303)

Each series of senior notes will be secured by only one corresponding series of collateral bonds, and each such series of collateral bonds will secure only that series of senior notes. (Senior Indenture, Section 1302)

Table of Contents

Payment of Principal, Premium and Interest on Collateral Bond

Our obligation to make any payment of principal of, or premium, if any, or interest on, any collateral bonds will be deemed to be satisfied and discharged to the extent that payment of the principal of, or premium, if any, or interest on, the senior notes secured by such collateral bonds has been made or otherwise discharged by us. (Senior Indenture, Section 1305)

Restrictions on Transfer of Collateral Bonds

Except as required to effect an assignment of its rights and obligations under the senior indenture to a successor trustee and except for the release of the collateral bonds to us or the mortgage trustee in accordance with the senior indenture, the senior trustee may not transfer any collateral bonds held by it as security for senior notes. (Senior Indenture, Section 1307)

Redemption of Collateral Bonds

The collateral bonds securing any series of senior notes will be redeemable upon the acceleration of maturity of the related series of senior notes as the result of any Event of Default under the senior indenture (if the maturity of such collateral bonds has not already been accelerated), at a redemption price equal to the principal amount of such collateral bonds, plus accrued and unpaid interest thereon to the date of the redemption demand. (Senior Indenture, Section 1302; Part III, Section 2, of the Collateral Bond Supplemental Indenture) In such event, the senior trustee is required under the senior indenture to file with us a demand for redemption of the collateral bonds. (Senior Indenture, Section 802)

Effect of Release Date

After the release date, the senior notes will cease to be secured by the collateral bonds and the senior trustee is required to surrender to us or the mortgage trustee all collateral bonds then held by it. (Senior Indenture, Sections 1303 and 1308) The senior trustee is required to provide notice to all holders of senior notes of the occurrence of the release date. (Senior Indenture, Section 1308)

Release of Security Prior to Release Date

The senior indenture permits us to reduce, prior to the release date, the aggregate principal amount of a series of collateral bonds securing a series of senior notes to the extent that we pay or provide for the payment, in whole or part, of the principal of such senior notes. In no event may the principal amount of collateral bonds pledged to the senior trustee as security for the senior notes of any series be reduced prior to the release date to an amount less than the aggregate principal amount of the outstanding senior notes of such series. (Senior Indenture, Section 1308)

Voting of Collateral Bonds

At any meeting of the holders of any series of collateral bonds, or if the consent of holders of such series of collateral bonds is sought without a meeting, the senior trustee is required to vote all collateral bonds of such series then held by it, or to grant or withhold its consent with respect thereto, as the senior trustee determines to be in the best interests of the holders of the corresponding series of senior notes, unless the senior trustee is directed otherwise by the holders of not less than a majority in aggregate principal amount of such series of senior notes. In exercising such responsibilities, the senior trustee may solicit instructions from the holders of any series of senior notes and, if so, shall vote or shall grant or withhold its consent with respect to the collateral bonds as directed by the holders of a majority in aggregate principal amount of the senior notes.

Table of Contents

However, the senior indenture provides that (i) the senior trustee shall be deemed to have voted all collateral bonds in favor of, or granted its consent with respect to, and (ii) each holder of senior notes shall be deemed to have instructed the senior trustee to vote in favor of or grant its consent to, the following amendments to the mortgage:

an amendment allowing us, at our election, to reduce the amount of cash required to be deposited with the mortgage trustee to obtain the release of any property from the lien of the mortgage by an amount equal to the principal amount of first mortgage bonds that we would be entitled to have authenticated and delivered by the mortgage trustee at the time of such release on the basis of the net bondable value of property additions (as more fully described below under Description of First Mortgage Bonds Release of Property) and

an amendment providing that any moneys held by the mortgage trustee as part of the trust estate under the mortgage will be paid to us by the mortgage trustee upon our order in an amount equal to the principal amount of first mortgage bonds that we would be entitled to have authenticated and delivered by the mortgage trustee at the time of such order on the basis of the net bondable value of property additions (as more fully described below under Description of First Mortgage Bonds Withdrawal of Cash Deposited with Mortgage Trustee). (Senior Indenture, Section 1306)

Limitations on Liens and Sale and Leaseback Transactions After Release Date

The senior indenture provides that, so long as any senior notes are outstanding, after the release date we will not issue, assume, guarantee or permit to exist any Indebtedness secured by any Lien on any Operating Property that we now own or hereafter acquire (which is referred to in the senior indenture as Secured Debt), without either

effectively securing the senior notes equally and ratably with such Indebtedness (but only so long as such Indebtedness is so secured) or

delivering to the senior trustee bonds, notes or other evidences of indebtedness secured by the Lien which secures such Indebtedness in an aggregate principal amount equal to the aggregate principal amount of the senior notes then outstanding and meeting certain other requirements set forth in the senior indenture.

However, this restriction will not apply to:

Liens on Operating Property, other than the mortgage, existing on the date of the senior indenture;

any Lien existing on Operating Property existing at the time we acquire it, provided that (i) the Lien is not created in contemplation of or in connection with such acquisition and (ii) the Lien does not extend to any of our other property or assets;

Liens on property of a corporation existing at the time such corporation is merged into or consolidated with us; provided that (i) the Lien is not created in contemplation of or in connection with such transaction and (ii) the Lien does not extend to any of our other property or assets;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Liens on any Operating Property that we acquire, construct or improve, if the Liens are created or incurred within 18 months after the acquisition, construction or improvement to secure or provide for the payment of any part of the purchase price of such Operating Property or the cost of such construction or improvement, including carrying costs; provided that the Liens do not apply to any of our other property;

Liens in favor of any state or the District of Columbia or any department, agency, or instrumentality or political subdivision thereof, or for the benefit of holders of securities issued by any such entity (or providers of credit enhancement with respect to such securities), to secure any Indebtedness incurred to finance all or part of the purchase price or the cost of constructing, developing, or substantially repairing, altering, or improving any Operating Property;

Table of Contents

extensions, renewals and replacements of Liens described above, provided that any such extension, renewal or replacement Lien is limited to the property or assets covered by the Lien extended, renewed or replaced and the obligations secured by any such extension, renewal or replacement Lien are in an amount not greater than the amount of the obligations secured by the Lien extended, renewed or replaced; and

Liens on Operating Property resulting from any Sale and Leaseback Transaction as described below.

The senior indenture also provides that, so long as any senior notes are outstanding, after the release date we will not enter into or permit to exist any Sale and Leaseback Transaction, except this restriction will not prevent us from entering into or permitting to exist:

any Sale and Leaseback Transaction involving a lease with a term of four years or shorter;

any Sale and Leaseback Transaction of a corporation existing at the time such corporation is merged into or consolidated with us and any extensions, renewals and replacements thereof;

any Sale and Leaseback Transaction with respect to any Operating Property if such lease is entered into within 18 months after the later of the acquisition, completion of construction or commencement of operation of such Operating Property and any extensions, renewals and replacements thereof; and

any Sale and Leaseback Transaction if, within 120 days after the effective date of the lease, we apply to the retirement of our Secured Debt an amount equal to the greater of (i) the net proceeds of the sale of the Operating Property leased in such Sale and Leaseback Transaction and (ii) the fair market value (as determined in good faith by our Board of Directors) of the Operating Property on any date within 90 days prior to the effective date of the lease, except that the amount we are required to apply to the retirement of Secured Debt will be reduced by the principal amount of any senior notes surrendered to the trustee for cancellation within 120 days after the effective date of the lease and the principal amount of Secured Debt, other than senior notes, we voluntarily retire within 120 days after the effective date of the lease.

In addition to the permitted Liens and Sale and Leaseback Transactions described above, the senior indenture permits us to incur Indebtedness secured by Liens on any Operating Property and enter into Sale and Leaseback Transactions so long as the aggregate amount of all Indebtedness secured by the Liens resulting from these transactions does not exceed the greater of:

15% of Tangible Assets as of the date of our most recent consolidated balance sheet filed with the SEC pursuant to the Exchange Act and

15% of Capitalization as shown on our most recent consolidated balance sheet filed with the SEC pursuant to the Exchange Act.

For purposes of this section of the prospectus:

Indebtedness means all of our outstanding indebtedness for money borrowed evidenced by notes, debentures, bonds or other securities or guarantees of any thereof and all of our Capital Lease obligations;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

Capital Lease means any lease that has been or would be capitalized on our books in accordance with generally accepted accounting principles;

Lien means (i) any mortgage, deed of trust, lien, pledge, encumbrance, charge or security interest in or on an asset and (ii) the interest of a vendor or a lessor under any conditional sale agreement, Capital Lease or title retention agreement (or any financing lease having substantially the same economic effect as any of the foregoing) relating to an asset;

Operating Property means (i) any interest in real property we own and (ii) any asset we own that is depreciable in accordance with generally accepted accounting principles, excluding, in either case, any interest as lessee under a Capital Lease (except for a Capital Lease that results from a Sale and Leaseback Transaction);

Table of Contents

Sale and Leaseback Transaction means any arrangement with any person or entity providing for the leasing to us of any property, which property prior to the leasing thereof to us was Operating Property and was sold by us to such person or entity; provided, however, Sale and Leaseback Transaction shall not include any arrangement entered into prior to the date of the senior indenture and shall not include any transaction pursuant to which we sell Operating Property to, and thereafter purchase energy or services from, any person or entity which transaction is ordered or authorized by any regulatory authority having jurisdiction over us or our operations or is entered into pursuant to any plan or program of industry restructuring ordered or authorized by any such regulatory authority;

Tangible Assets means the amount shown as total assets on our consolidated balance sheet, less all intangible assets, including, but without limitation, such items as goodwill, trademarks, trade names, patents, and unamortized debt discount and expense, all as determined by us in accordance with generally accepted accounting principles applicable to the type of business in which we are engaged; and

Capitalization means the total of all the following items appearing on, or included in, our consolidated balance sheet: (i) all liabilities for Indebtedness and (ii) common stock, preferred stock, hybrid preferred securities, premium on capital stock, capital surplus, capital in excess of par value, and retained earnings (however the foregoing may be designated), less, to the extent not otherwise deducted, the cost of shares of capital stock that we hold in our treasury.

(Senior Indenture, Sections 608 and 609)

Global Securities

We may issue registered senior notes of any series in the form of one or more fully registered global senior notes, each of which we refer to in this prospectus as a registered global security, that we will deposit with a depositary (or with a nominee of a depositary) identified in the prospectus supplement relating to such series and registered in the name of the depositary (or a nominee). In such a case, we will issue one or more registered global securities. The face of such registered global securities, will set forth the aggregate principal amount of the series of senior notes that such global registered securities represent. The depositary (or its nominee) will not transfer any registered global security unless and until it is exchanged in whole or in part for senior notes in definitive registered form, except that:

the depositary may transfer the whole registered global security to a nominee;

the depositary's nominee may transfer the whole registered global security to the depositary;

the depositary's nominee may transfer the whole registered global security to another of the depositary's nominees; and

the depositary (or its nominee) may transfer the whole registered global security to its (or its nominee's) successor.

Depositary Arrangements

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We will describe the specific terms of the depositary arrangement with respect to any portion of a series of senior notes to be represented by a registered global security in the prospectus supplement relating to such series. We anticipate that the following provisions will apply to all depositary arrangements.

Generally, ownership of beneficial interests in a registered global security will be limited to persons that have accounts with the depositary for such registered global security, which persons are referred to in this prospectus as participants, or persons that may hold interests through participants. Upon the issuance of a registered global security, the depositary will credit, on its book-entry registration and transfer system, the participants' accounts with the respective principal amounts of the senior notes represented by such registered global security that are beneficially owned by such participants.

Table of Contents

Any dealers, underwriters or agents participating in the distribution of such senior notes will designate the accounts to credit. For participants, the depository will maintain the only record of their ownership of a beneficial interest in the registered global security and they will only be able to transfer such interests through the depository's records. For people who hold through a participant, the relevant participant will maintain such records for beneficial ownership and transfer. The laws of some states may require that certain purchasers of securities take physical delivery of such securities in definitive form. These restrictions and such laws may impair the ability to own, transfer or pledge beneficial interests in registered global securities.

So long as the depository (or its nominee) is the record owner of a registered global security, such depository (or its nominee) will be considered the sole owner or holder of the senior notes represented by such registered global security for all purposes under the senior indenture. Except as set forth below, owners of beneficial interests in a registered global security will not be entitled to have the senior notes represented by such registered global security registered in their names, and will not receive or be entitled to receive physical delivery of such senior notes in definitive form and will not be considered the owners or holders under the senior indenture. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depository 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 under the senior indenture. We understand that under existing industry practices, if we request any action of holders, or if any owner of a beneficial interest in a registered global security desires to give or take any action allowed under the senior indenture, the depository would authorize the participants holding the relevant beneficial interests to give or take such action, and such participants would authorize beneficial owners owning through such participants to give or take such action or would otherwise act upon the instruction of beneficial owners holding through them.

Interest and Premium

Payments of principal, premium, if any, and any interest on senior notes represented by a registered global security registered in the name of a depository (or its nominee) will be made to the depository (or its nominee) as the registered owner of such registered global security. We and our agents will have no responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in any registered global security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests, and neither will the trustee and its agents.

We expect that the depository for any senior notes represented by a registered global security, upon receipt of any payment of principal, premium, if any, or any interest in respect of such registered global security, will promptly credit participants' accounts with payments in amounts proportionate to their respective beneficial interests in such registered global security as shown on the depository's records. We also expect that payments by participants to owners of beneficial interests in such registered global security held through such participants will be governed by standing customer instructions and customary practices, as is now the case with securities held for the accounts of customers in bearer form or registered in street name, and will be the responsibility of such participants.

Withdrawal of Depository

If the depository for any senior notes represented by a registered global security notifies us that it is unwilling or unable to continue as depository or ceases to be eligible as a depository under applicable law, and a successor depository is not appointed within 90 days, or if a default or Event of Default has occurred, senior notes in definitive form will be issued in exchange for the relevant registered global security. In addition, we may at any time and in our sole discretion determine not to have any of the senior notes of a series represented by one or more registered global securities and, in such event, senior notes of such series in definitive form will be issued in exchange for all of the registered global security or registered global securities representing such senior notes. Any senior notes issued in definitive form in exchange for a registered global security will be registered in such name or names that the depository gives to the trustee. We expect that such instructions will be based upon directions received by the depository from participants with respect to ownership of beneficial interests in such registered global security. (Senior

Indenture, Section 305)

Table of Contents

Payment and Paying Agents

Unless the relevant prospectus supplement indicates otherwise, payment of interest on a senior note on any interest payment date will be made to the person in whose name such senior note is registered at the close of business on the regular record date for such interest payment. If there has been a default in the payment of interest on any senior note, the defaulted interest may be paid to the holder of such senior note as of the close of business on a special record date no less than 10 nor more than 15 days before the date established by us for proposed payment of such defaulted interest or in any other manner permitted by any securities exchange on which that senior note may be listed, if the senior trustee finds it practicable. (Senior Indenture, Section 307)

Unless the relevant prospectus supplement indicates otherwise, principal of, premium, if any, and any interest on the senior notes will be payable at the office of the paying agent designated by us. However, we may elect to pay interest by check mailed to the address of the person entitled to such payment at the address appearing in the security register. Unless otherwise indicated in the relevant prospectus supplement, the corporate trust office of the senior trustee in the City of New York will be designated as our sole paying agent for payments with respect to senior notes of each series. Any other paying agents initially designated by us for the senior notes of a particular series will be named in the relevant prospectus supplement. We may at any time designate additional paying agents or rescind the designation of any paying agent or approve a change in the office through which any paying agent acts, except that we will be required to maintain a paying agent in each place of payment for the senior notes of a particular series. (Senior Indenture, Section 602)

All moneys paid by us to a paying agent for the payment of the principal of, premium, if any, or any interest on any senior note which remain unclaimed for two years after such principal, premium or interest has become due and payable will be repaid to us, and the holder of such senior note thereafter may look only to us for payment. (Senior Indenture, Section 603)

Registration and Transfer

If senior notes at any time are issued otherwise than as registered global securities, the transfer of the senior notes may be registered, and senior notes may be exchanged for other senior notes of the same series, of authorized denominations and with the same terms and aggregate principal amount, at the offices of the senior trustee. We may change the place for registration of transfer and exchange of the senior notes and designate additional places for registration of transfer and exchange. (Senior Indenture, Section 602)

No service charge will be made for any transfer or exchange of the senior notes. However, we may require payment to cover any tax or other governmental charge that may be imposed in connection with any transfer or exchange. We will not be required to register the transfer of, or to exchange, the senior notes of any series during the 15 days prior to the date on which notice of redemption of any senior notes of that series is mailed or any senior note that is selected for redemption. (Senior Indenture, Section 305)

Defeasance

The senior indenture provides that we may defease and be discharged from all obligations with respect to the senior notes and the senior indenture (legal defeasance) or be released from our obligations under certain covenants under the senior indenture with respect to the senior notes such that our failure to comply with the defeased covenants will not constitute an Event of Default (covenant defeasance). Following a legal defeasance of a series of senior notes, payment of those senior notes may not be accelerated because of an Event of Default. Following a

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

covenant defeasance of a series of senior notes, payment of those senior notes may not be accelerated because of an Event of Default caused by our failure to comply with the defeased covenants or an Event of Default relating to our bankruptcy, insolvency or reorganization.

We may effect a legal defeasance or a covenant defeasance by

- (i) irrevocably depositing in trust with the senior trustee money or Eligible Obligations (which are defined in the senior indenture and principally consist of obligations of, or guaranteed by, the United States) or a combination of money and Eligible Obligations, which will be sufficient to pay when due the principal of, and any premium and interest on, the senior notes and

Table of Contents

- (ii) satisfying certain other conditions specified in the senior indenture.

We may not effect a legal defeasance or a covenant defeasance unless we deliver to the senior trustee an opinion of counsel to the effect that the holders of the affected senior notes will

- (i) not recognize income, gain or loss for United States federal income tax purposes as a result of the legal defeasance or the covenant defeasance and
- (ii) be subject to United States federal income tax on the same amounts, in the same manner and at the same times as if the legal defeasance or covenant defeasance had not occurred.

In the case of legal defeasance, such opinion must be based upon a change in law or a ruling of the Internal Revenue Service. (Senior Indenture, Article Seven)

Consolidation, Merger and Sale of Assets

Under the terms of the senior indenture, we may not consolidate with or merge into any other entity or convey, transfer or lease our properties and assets as, or substantially as, an entirety to any entity, unless:

- (i) The surviving or successor entity is organized and validly existing under the laws of the United States, a state of the United States or the District of Columbia and it expressly assumes our obligations on all senior notes under the senior indenture and, if such transaction occurs prior to the release date, our obligations on collateral bonds securing any series of senior notes;
- (ii) In the case of a lease, such lease is made expressly subject to termination at any time during the continuance of an Event of Default, by (a) us or the senior trustee and (b) the purchaser of the property so leased at any sale thereof under the senior indenture, whether the sale be made under any power of sale conferred by the senior indenture or pursuant to judicial proceedings;
- (iii) Immediately after giving effect to the transaction, no Event of Default under the senior indenture or no event which, after notice or lapse of time or both, would become an Event of Default shall have occurred and be continuing; and
- (iv) We shall have delivered to the senior trustee an officer's certificate and an opinion of counsel as provided in the senior indenture.

(Senior Indenture, Article Eleven)

Event of Default

The term "Event of Default," when used in the senior indenture with respect to any senior notes issued thereunder, means any of the following:

- (i) Failure to pay interest on such senior notes within 30 days after it is due;
- (ii) Failure to pay the principal of or any premium on any such senior notes when due;
- (iii) Failure to perform any other covenant in the senior indenture, other than a covenant that does not relate to such series of senior notes, that continues for 90 days after we receive written notice from the senior trustee, or we and the senior trustee receive a written notice from the holders of a majority in aggregate principal amount of the senior notes of that series; provided, however, that the 90 day period will be extended if we initiate corrective action within such period and diligently pursue such action;
- (iv) Events relating to our bankruptcy, insolvency or reorganization specified in the senior indenture; or
- (iv) Prior to the release date, the occurrence and continuation of an event of default under Article IX, Section 1, of the mortgage, which we refer to as a mortgage default.

Table of Contents

(Senior Indenture, Section 801)

An Event of Default for a particular series of senior notes does not necessarily constitute an Event of Default for any other series of senior notes issued under the senior indenture. The senior trustee may withhold notice to the holders of senior notes of any default, except default in the payment of principal or interest, if it considers the withholding of notice to be in the interests of the holders.

Remedies

If an Event of Default under the senior indenture for any series of senior notes occurs and continues other than as a result a mortgage default, the senior trustee or the holders of a majority in aggregate principal amount of all the senior notes of the series may declare the entire principal amount of all the senior notes of that series, together with accrued interest, to be due and payable immediately. However, if the Event of Default is applicable to all outstanding senior notes under the senior indenture, only the trustee or holders of a majority in aggregate principal amount of all outstanding senior notes of all series, voting as one class, and not the holders of any one series, may make that declaration of acceleration. (Senior Indenture, Sections 802(a) and 802(b))

In the case of an Event of Default under the senior indenture resulting from a mortgage default, the senior notes will become due and payable only upon the acceleration of the collateral bonds in accordance with the terms of the mortgage. (Senior Indenture, Section 802(c))

There is no automatic acceleration of the senior notes, even in the event of our bankruptcy, insolvency or reorganization. (Senior Indenture, Section 802)

At any time after a declaration of acceleration with respect to the senior notes of any series has been made and before a judgment or decree for payment of the money due has been obtained, the Event of Default under the senior indenture giving rise to the declaration of acceleration will be considered waived, and the declaration and its consequences will be considered rescinded and annulled, if:

- (i) We have paid or deposited with the senior trustee a sum sufficient to pay:
 - (a) all matured installments of interest on all senior notes of the series;
 - (b) the principal of and premium, if any, on any senior notes of the series which have become due otherwise than by acceleration;
 - (c) interest on overdue interest (to the extent allowed by law) and on principal and any premium which have become due otherwise than by acceleration at the prescribed rates, if any, set forth in such senior notes; and
 - (d) all amounts due to the trustee under the senior indenture; and

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (ii) Any other Event of Default under the senior indenture with respect to the senior notes of that series (other than the nonpayment of principal that has become due solely by declaration of acceleration) has been cured or waived as provided in the senior indenture.

The waiver or cure of any mortgage default and the rescission and annulment of its consequences in accordance with the terms of the mortgage also will constitute an automatic waiver of the corresponding Event of Default under the senior indenture and an automatic rescission and annulment of the consequences thereunder, provided that all other applicable conditions specified above shall have been satisfied. (Senior Indenture, Section 802(c))

The senior trustee is not obligated to exercise any of its rights or powers under the senior indenture at the request, order or direction of any of the holders, unless the holders offer the senior trustee a reasonable indemnity. (Senior Indenture, Section 903) If they provide this reasonable indemnity, the holders of a majority in principal amount of any series of senior notes will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the senior trustee or exercising any power conferred upon

Table of Contents

the senior trustee, including the exercise by the senior trustee of the powers possessed by the senior trustee as holder of the collateral bonds securing such series of senior notes. However, if the Event of Default under the senior indenture relates to more than one series, only the holders of a majority in aggregate principal amount of all affected series will have the right to give this direction. (Senior Indenture, Section 812) The senior trustee is not obligated to comply with directions that conflict with law or other provisions of the senior indenture.

No holder of senior notes of any series will have any right to institute any proceeding under the senior indenture, or for any remedy under the senior indenture, unless:

- (i) The holder has previously given to the senior trustee written notice of a continuing Event of Default under the senior indenture;
- (ii) The holders of a majority in aggregate principal amount of the outstanding senior notes of all series in respect of which an Event of Default under the senior indenture shall have occurred and be continuing have made a written request to the senior trustee, and have offered reasonable indemnity to the senior trustee, to institute proceedings; and
- (iii) The senior trustee has failed to institute any proceeding for 60 days after notice.

In addition, no holder of senior notes will have any right to institute any action under the senior indenture to disturb or prejudice the rights of any other holder of senior notes. (Senior Indenture, Section 807)

However, these limitations do not apply to a suit by a holder of a senior note for payment of the principal, premium, if any, or interest on the senior note on or after the applicable due date. (Senior Indenture, Section 808)

We will provide to the senior trustee an annual statement by an appropriate officer as to our compliance with all conditions and covenants under the senior indenture. (Senior Indenture, Section 606)

Modification and Waiver

Without the consent of any holder of senior notes issued under the senior indenture, we and the senior trustee may enter into one or more supplemental indentures for any of the following purposes:

- (i) To evidence the assumption by any permitted successor of our covenants in the senior indenture and in the senior notes;
- (ii) To add to our covenants or to surrender any of our rights or powers under the senior indenture;
- (iii) To add additional events of default under the senior indenture;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (iv) To change, eliminate or add any provision to the senior indenture; provided, however, that, if the change will adversely affect the interests of the holders of senior notes of any series in any material respect, the change, elimination or addition will become effective only:
 - (a) when the consent of the holders of senior notes of such series has been obtained in accordance with the senior indenture; or
 - (b) when no senior notes of the affected series remain outstanding under the senior indenture;
- (v) To provide collateral security for all but not part of the senior notes;
- (vi) To establish the form or terms of senior notes of any series as permitted by the senior indenture;
- (vii) To provide for the authentication and delivery of bearer securities;
- (viii) To evidence and provide for the acceptance of appointment of a successor trustee;

Table of Contents

- (ix) To provide for the procedures required for use of a noncertificated system of registration for the senior notes of all or any series;
- (x) To change any place where principal, premium, if any, and interest shall be payable, senior notes may be surrendered for registration of transfer or exchange, and notices to us may be served;
- (xi) To cure any ambiguity or inconsistency or to make any other provisions with respect to matters and questions arising under the senior indenture; provided that the action does not adversely affect the interests of the holders of senior notes of any series in any material respect; or
- (xii) To modify, eliminate or add to the provisions of the senior indenture to such extent as shall be necessary to effect the qualification of the senior indenture under the Trust Indenture Act of 1939 and to add to the senior indenture such other provisions as may be expressly required under the Trust Indenture Act. (Senior Indenture, Section 1201)

The holders of at least a majority in aggregate principal amount of the senior notes of all series then outstanding may waive our compliance with some restrictive provisions of the senior indenture. (Senior Indenture, Section 607) The holders of not less than a majority in principal amount of the outstanding senior notes of any series may waive any past default under the senior indenture with respect to that series, except a default in the payment of principal, premium, if any, or interest and certain covenants and provisions of the senior indenture that cannot be modified or be amended without the consent of the holder of each outstanding senior note of the series affected. (Senior Indenture, Section 813)

If any provision of the senior indenture limits, qualifies or conflicts with a provision of the Trust Indenture Act that is required under the Trust Indenture Act to be a part of and govern the senior indenture, the provision of the Trust Indenture Act will control. If any provision of the senior indenture modifies or excludes any provision of the Trust Indenture Act that may be so modified or excluded, the provision of the Trust Indenture Act will be deemed to apply to the senior indenture as so modified or to be excluded. (Senior Indenture, Section 108)

The consent of the holders of a majority in aggregate principal amount of the senior notes of all series then outstanding is required for all other modifications to the senior indenture. However, if less than all of the series or tranches of senior notes outstanding are directly affected by a proposed supplemental indenture, the consent only of the holders of a majority in aggregate principal amount of all series or tranches, as the case may be, that are directly affected, considered as one class, will be required. No such amendment or modification may:

- (i) Change the stated maturity of the principal of, or any installment of principal of or interest on, any senior note, or reduce the principal amount of any senior note or its rate of interest or change the method of calculating the interest rate or reduce any premium payable upon redemption, or change the currency in which payments are made, or impair the right to institute suit for the enforcement of any payment on or after the stated maturity of any senior note, without the consent of the holder;
- (ii) Reduce the percentage in principal amount of the outstanding senior notes of any series the consent of the holders of which is required for any supplemental indenture or any waiver of compliance with a provision of the senior indenture or any default thereunder and its consequences without the consent of all the holders of the series;
- (ii) Modify certain of the provisions of the senior indenture relating to supplemental indentures, waivers of some covenants and waivers of past defaults with respect to the senior notes of any series, without the consent of the holder of each outstanding senior note affected thereby; or
- (iv) Prior to the release date, impair the interest of the senior trustee hereunder in such collateral bonds, or reduce the principal amount of collateral bonds securing the senior notes of such series to an amount less than the principal amount of such senior notes outstanding,

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

without the consent of all the holders of the series. (Senior Indenture, Section 1202)

A supplemental indenture which changes the senior indenture solely for the benefit of one or more particular series of senior notes, or modifies the rights of the holders of senior notes of one or more series, will not be deemed to affect the rights under the senior indenture of the holders of the senior notes of any other series.

Table of Contents

The senior indenture provides, subject to certain exceptions, that senior notes owned by us or anyone else required to make payment on the senior notes shall be disregarded and considered not to be outstanding in determining whether the required holders have given a request or consent. (Senior Indenture, Section 101)

We may fix in advance a record date to determine the required number of holders entitled to give any request, demand, authorization, direction, notice, consent, waiver or other such act of the holders, but we shall have no obligation to do so. If we fix a record date, that request, demand, authorization, direction, notice, consent, waiver or other act of the holders may be given before or after that record date, but only the holders of record at the close of business on that record date will be considered holders for the purposes of determining whether holders of the required percentage of the outstanding senior notes have authorized or agreed or consented to the request, demand, authorization, direction, notice, consent, waiver or other act of the holders. For that purpose, the outstanding senior notes shall be computed as of the record date. Any request, demand, authorization, direction, notice, consent, election, waiver or other act of a holder will bind every future holder of the same senior notes and the holder of every senior note issued upon the registration of transfer of or in exchange of those senior notes. A transferee will be bound by acts of the senior trustee or us in reliance thereon, whether or not notation of that action is made upon the senior note. (Senior Indenture, Section 104)

Resignation of the Senior Trustee; Removal

The senior trustee may resign at any time by giving written notice to us, or the holders of a majority in principal amount of all series of senior notes then outstanding may remove the senior trustee at any time by giving written notice to us and the senior trustee. No resignation or removal of a senior trustee and no appointment of a successor senior trustee will be effective until the acceptance of appointment by a successor senior trustee. So long as no Event of Default or event which, after notice or lapse of time, or both, would become an Event of Default has occurred and is continuing and except with respect to a senior trustee appointed by act of the holders, if we have delivered to the senior trustee a resolution of our Board of Directors appointing a successor senior trustee and such successor has accepted the appointment in accordance with the terms of the senior indenture, the senior trustee will be deemed to have resigned, and the successor will be deemed to have been appointed as senior trustee in accordance with the senior indenture. (Senior Indenture, Section 910)

Notices

Notices to holders of senior notes will be given by mail to the addresses of such holders as they may appear in the security register for senior notes. (Senior Indenture, Section 106)

Title

We, the senior trustee and any agent of us or the senior trustee may treat the person in whose name senior notes are registered as the absolute owner thereof, whether or not the senior notes may be overdue, for the purpose of making payments and for all other purposes irrespective of notice to the contrary. (Senior Indenture, Section 308)

Governing Law

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The senior indenture and the senior notes are governed by, and construed in accordance with, the laws of the State of New York. (Senior Indenture, Section 113)

Table of Contents

DESCRIPTION OF FIRST MORTGAGE BONDS

The following description of the first mortgage bonds sets forth certain general terms and provisions of the first mortgage bonds that we may offer pursuant to this prospectus, which we refer to as new bonds, and the first mortgage bonds that we may issue and deliver to the senior trustee as collateral bonds to secure senior notes. The particular terms of any new bonds or collateral bonds and the extent, if any, to which these general provisions will not apply to such new bonds or collateral bonds will be described, as the case may be, in the prospectus supplement relating to the new bonds or the prospectus supplement relating to the senior notes that will be secured by the collateral bonds.

The new bonds and the collateral bonds will be issued in one or more series under the Mortgage and Deed of Trust, dated July 1, 1936, between us and The Bank of New York as trustee (as successor in such capacity to The Riggs National Bank of Washington, D.C.), as amended and supplemented and as further supplemented by a separate supplemental indenture each time new bonds or collateral bonds are issued. In this prospectus we refer to the Mortgage and Deed of Trust, as so amended and supplemented, as the mortgage, and we refer to the trustee under the mortgage as the mortgage trustee. The statements set forth below are brief summaries of certain provisions contained in the mortgage. These summaries do not purport to be complete and are qualified in their entirety by reference to the mortgage, which is incorporated by reference as an exhibit to the registration statement of which this prospectus is a part. The form of supplemental indenture to be used in connection with each issuance of new bonds and the form of supplemental indenture to be used in connection with each issuance of collateral bonds are also filed as exhibits to the registration statement.

General New Bonds

The relevant prospectus supplement will describe the terms of the new bonds being offered, including:

the designation and aggregate principal amount of such new bonds;

the date on which such new bonds will mature;

the rate per annum at which such new bonds will bear interest, or the method of determining such rate;

the dates on which such interest will be payable;

any redemption terms; and

other specific terms applicable to the new bonds not inconsistent with the provisions of the mortgage.

Payment of Principal and Interest.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We will pay principal, premium, if any, and interest on the new bonds in immediately available funds at the corporate trust office of The Bank of New York or at the office of any other paying agent that we may designate.

Registration and Transfer

We will issue the new bonds only in fully registered form without coupons. Unless the relevant prospectus supplement states otherwise, we will issue the new bonds in denominations of \$1,000 or any integral multiple thereof.

So long as any first mortgage bonds remain outstanding, we must maintain an office or agency where holders can present or surrender the first mortgage bonds for payment or for transfer or exchange and where holders can serve notices and demands to or upon us. (Mortgage, Section 4, Article II; Section 4, Article IV) We have designated the corporate trust office of The Bank of New York in the City of New York as our agent for these purposes. We will not impose any charges for exchanges of the new bonds.

Table of Contents

No Sinking Fund

Unless the relevant prospectus supplement states otherwise, there will be no improvement and sinking fund or any maintenance and replacement requirement or dividend restriction for the new bonds. There are no provisions of this type in the mortgage or in any supplemental indenture for any outstanding first mortgage bonds.

General Collateral Bonds

The terms of any collateral bonds that are issued and delivered to the senior trustee as security for any series of senior notes will conform as nearly as practicable to the terms of such senior notes. See Description of Senior Notes Security; Release Date Delivery of Collateral Bonds above.

Highly Leveraged Transactions

The mortgage does not contain any covenants or other provisions that specifically are intended to afford holders of the new bonds or collateral bonds special protection in the event of a highly leveraged transaction.

Security

The new bonds and collateral bonds will be secured, together with all other first mortgage bonds now or hereafter issued under the mortgage, by a valid and direct first lien (subject to certain leases, permitted liens and other minor matters) on substantially all of our properties and franchises, other than the following:

cash, accounts receivable and other liquid assets;

securities (including securities evidencing investments in our subsidiaries);

contracts, operating agreements and leases by us as lessor;

equipment and materials not installed as part of our fixed property; and

electric energy and other materials, merchandise or supplies produced or purchased by us for sale, distribution or use in the ordinary course of business.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The lien of the mortgage also extends to after-acquired property (other than the types of property described above), including property acquired as a result of a merger or consolidation. However, after-acquired property may be subject to liens existing or placed thereon at the time of acquisition and, in certain circumstances, to liens attaching to such property prior to the recording and/or filing of an instrument specifically describing such property as being subject to the lien of the mortgage.

Substantially all of our transmission and distribution lines of less than 230,000 volts, portions of our 230,000 and 500,000 volt transmission lines, and 11 of our substations are located on land owned by others or on public streets and highways.

The mortgage trustee has a lien prior to the lien of holders of first mortgage bonds on the mortgaged property to secure the payment of its reasonable compensation and expenses. (Mortgage, Section 2, Article XIII)

Issuance of Additional First Mortgage Bonds

Subject to the limitation described in the following paragraph, we may issue additional first mortgage bonds ranking equally with the new bonds and collateral bonds in an aggregate amount of up to:

- (i) 60% of the net bondable value of property additions we have constructed or acquired after June 30, 1936 (except as described below), that (a) are not subject to a prior lien and (b) we have not already used as the basis for issuing first mortgage bonds, withdrawing cash or reducing the amount of cash required to be paid to the mortgage trustee;

Table of Contents

- (ii) the amount of cash deposited with the mortgage trustee for such purpose (which we may thereafter withdraw on the same basis that additional first mortgage bonds are issuable under (i) and (iii), and if we do not withdraw it within three years, the cash must be used by the mortgage trustee to purchase or redeem outstanding first mortgage bonds); and
- (iii) the aggregate principal amount of previously issued first mortgage bonds that we have paid at maturity, redeemed or repurchased (other than with funds from the trust estate) and that we have not used as the basis for (a) the issuance of additional first mortgage bonds, (b) the withdrawal of cash from the trust estate or (c) the reduction of the amount of cash required to be paid to the mortgage trustee upon the release of property. In the mortgage these are called refundable bonds.

Property additions generally include property which is used or useful for the business of generating, transmitting or distributing electricity and is properly chargeable to fixed property accounts. The net bondable value of property additions is based on the cost or fair value to us (whichever is less) of new property, with deductions to adjust for, among other things, property retirements. So long as any new bonds or collateral bonds are outstanding, property additions constructed or acquired on or before December 31, 1946 may not be made the basis for the issue of first mortgage bonds, or the withdrawal of cash, or the reduction of cash required to be paid to the mortgage trustee.

(Mortgage, Article I; Sections 4, 6 and 7, Article III; Section 4, Article VIII); Section 2, Part IV, Supplemental Indenture)

We cannot issue additional first mortgage bonds unless our net earnings available for interest and property retirement appropriations (defined generally as earnings before depreciation, amortization, income taxes and interest charges) for any 12 consecutive calendar months during the immediately preceding 15 months have been at least twice the annual interest charges on all first mortgage bonds then outstanding and then being issued. However, this limitation does not apply if the first mortgage bonds are being issued on the basis of (i) first mortgage bonds paid at, or redeemed or purchased within two years prior to, maturity or (ii) under limited circumstances, certain property additions. (Mortgage, Sections 3, 4 and 7, Article III)

If we acquire property that is subject to a lien prior to the lien of the mortgage, under certain circumstances we may incur additional indebtedness secured by that lien. (Mortgage, Section 16, Article IV)

Release of Property

We may obtain the release of property from the lien of the mortgage by depositing with the mortgage trustee cash, or purchase money obligations secured by the property released, in an aggregate amount at least equal to the fair value of the property to be released. The mortgage permits us to reduce the amount required to be deposited by reducing the refundable bond balance by an equal amount and by reducing the amount of cash we could withdraw upon the basis of property additions, as described below. (Mortgage, Article VII; Sections 1 and 2, Article VIII)

The mortgage allows us to dispose of or abandon obsolete property and surrender or modify certain franchises and rights without any release by the mortgage trustee. (Mortgage, Section 2, Article VII)

Cash deposited to obtain a release of property may be used by the mortgage trustee, at our discretion, to redeem or repurchase first mortgage bonds. Upon such redemption or repurchase, we can request that the mortgage trustee release to us an additional amount of cash equal to

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

two-thirds of the aggregate principal amount of the first mortgage bonds repurchased or redeemed. (Mortgage, Section 8, Article VII)

Under the terms of the senior indenture, the senior trustee will be deemed to have voted all collateral bonds held by it in favor of, or granted its consent with respect to all such collateral bonds to, and each holder of senior notes shall be deemed to have instructed the senior trustee to vote in favor of or grant its consent to, an amendment to the mortgage allowing us, at our election, to offset the amount of cash required to be deposited

Table of Contents

with the mortgage trustee to obtain the release of any property from the lien of the mortgage by an amount equal to 50% of the net bondable value of property additions purchased, constructed or otherwise acquired on or after January 1, 1947, and not previously used as the basis for the issuance of additional first mortgage bonds, the release of property or the withdrawal of cash.

Withdrawal of Cash Deposited with Mortgage Trustee

We may withdraw cash deposited with the mortgage trustee to obtain the release of property

in an amount equal to the cost (or, if less than cost, the fair value to us) of property additions purchased, constructed or otherwise acquired on or after the date of the application for the release of the property in respect of which the cash was deposited and

by reducing the refundable bond balance by the amount of cash withdrawn.

(Mortgage, Sections 1 and 2, Article VIII)

Under the terms of the senior indenture, the senior trustee will be deemed to have voted all collateral bonds held by it in favor of, or granted its consent with respect to all such collateral bonds to, and each holder of senior notes shall be deemed to have instructed the senior trustee to vote in favor of or grant its consent to, an amendment to the mortgage authorizing us, at any time, to withdraw cash held by the mortgage trustee as part of the trust estate under the mortgage in an amount equal to 60% of the net bondable value of property additions purchased, constructed or otherwise acquired on or after January 1, 1947, and not previously used as the basis for the issuance of additional first mortgage bonds, the release of property or the withdrawal of cash.

Consolidation, Merger, Transfer of Assets

Nothing in the mortgage or terms of the first mortgage bonds prevents us from

consolidating with another corporation,

merging another corporation into us where we are the survivor,

merging into another corporation where the other corporation is the survivor or

selling or leasing our property as an entirety or substantially as an entirety,

provided that

the transaction is permitted by law and is approved by all required governmental entities,

the terms of the transaction do not impair the lien and security of the mortgage on any part of the trust estate or the rights and powers of the mortgage trustee or the holders of first mortgage bonds,

if we consolidate, merge into another corporation, or sell our property as an entirety or substantially as an entirety, the surviving or acquiring corporation satisfies certain financial requirements and the successor corporation assumes by supplemental indenture all of our obligations under the mortgage and on the first mortgage bonds, and

if we lease our property as an entirety or substantially as an entirety, the lease is subject to immediate termination by the mortgage trustee if an event of default under the mortgage has happened and is continuing.

(Mortgage, Section 1, Article XII)

If we consolidate with or merge into any other corporation, or sell our property as an entirety or substantially as an entirety, the mortgage will not (unless the successor corporation elects otherwise) be or become a lien upon any of the properties or franchises owned by the successor corporation at the time of such merger, consolidation, or sale, or acquired by it thereafter, except those properties acquired from us and

Table of Contents

additions, extensions, improvements, repairs and replacements to properties included in the trust estate under the mortgage prior to the merger, consolidation, or sale. (Mortgage, Section 3, Article XII)

Modification

Modifications Without Consent

Without the consent of any holders of first mortgage bonds, we and the mortgage trustee may enter into one or more supplemental indentures for any of the following purposes:

- (i) to provide for creation of any series of first mortgage bonds in accordance with the terms of the mortgage;
- (ii) to evidence the assumption by any permitted successor of our covenants in the mortgage and on the first mortgage bonds;
- (iii) to close the mortgage against the issuance of additional first mortgage bonds or add to the restrictions imposed on the issuance of additional first mortgage bonds;
- (iv) to add to our covenants or to surrender any of our rights or powers under the mortgage;
- (v) to subject to the lien of the mortgage property that we may acquire and to amplify or correct the description of any property that is part of the trust estate;
- (vi) to make such provisions in regard to matters or questions arising under the mortgage as may be necessary or desirable and not inconsistent with the mortgage;
- (vii) to modify any provisions of the mortgage or relieve us from any obligations, conditions or restrictions in the mortgage; provided that no such modification will become effective or impair the rights of the holders of first mortgage bonds or the mortgage trustee while any first mortgage bonds that were issued prior to the execution of the supplemental indenture remain outstanding;
- (viii) to cure any ambiguity, or cure, correct or supplement any inconsistent or defective provision contained in mortgage or any supplemental indenture; and
- (ix) to modify, amend or add to the provisions of the mortgage so as to permit the qualification of the mortgage under the Trust Indenture Act.

(Mortgage, Section 2, Article II; Sections 1 and 2, Article XII; Section 1, Article XIV)

Modifications Requiring Consent

The mortgage provides that with the consent of the holders of 80% in principal amount of outstanding first mortgage bonds and of 80% in principal amount of first mortgage bonds of each series affected if less than all are affected, the mortgage may be changed except to affect the terms of payment of the principal or interest on any first mortgage bonds or to reduce the percentage of bondholders required to effect any change. (Mortgage, Section 6, Article XV) However, the holders of all outstanding first mortgage bonds have approved an amendment to the mortgage that will change the foregoing percentages to 60%.

The senior trustee is deemed to have voted all collateral bonds in favor of certain amendments to the mortgage. See Description of Senior Notes Security; Release Date Voting of Collateral Bonds above.

Events of Default

The term event of default, when used in the mortgage with respect to all first mortgage bonds issued thereunder, means any of the following:

- (i) Failure to pay principal on any first mortgage bond when due;
- (ii) Failure to pay interest on any first mortgage bond, or to satisfy any sinking fund obligation with

Table of Contents

respect to any first mortgage bond, within 30 days after such payment or obligation is due;

- (iii) Failure to perform any other covenant in the mortgage for a period of 60 days after we are given notice thereof by the mortgage trustee or the holders of 15% in principal amount of first mortgage bonds; and
- (iv) Events relating to our bankruptcy, insolvency or reorganization specified in the mortgage.

(Mortgage, Section 1, Article IX)

Remedies

Upon any event of default, the mortgage trustee in its discretion may, and upon the written request of the holders of at least 25% in principal amount of all outstanding first mortgage bonds the mortgage trustee shall, declare all outstanding first mortgage bonds immediately due and payable. Such declaration, however, is subject to the condition that, if before any sale of the trust estate all interest in arrears has been paid and all defaults have been cured, the holders of a majority of the outstanding principal amount of first mortgage bonds may waive such default and its consequences and rescind such declaration. (Mortgage, Section 1, Article IX)

If an event of default occurs and is continuing, the mortgage trustee in its discretion may, and upon the written request of the holders of at least 25% in principal amount of all outstanding first mortgage bonds and upon being indemnified to its satisfaction the mortgage trustee shall, enforce the lien of the mortgage by foreclosing on the trust estate. (Mortgage, Section 4, Article IX)

The holders of a majority in principal amount of first mortgage bonds may direct proceedings for the sale of the trust estate, or for the appointment of a receiver or any other proceedings under the mortgage, but have no right to involve the Trustee in any personal liability without indemnifying it to its satisfaction. (Mortgage, Section 11, Article IX)

No holder of a first mortgage bond has the right to institute proceedings for the enforcement of the mortgage, unless

- (i) such holder previously has given the mortgage trustee written notice of an existing default,
- (ii) the holders of at least 25% of the outstanding principal amount of the first mortgage bonds have requested in writing that the mortgage trustee take action under the mortgage (and provided the mortgage trustee with indemnity satisfactory to it) and
- (iii) the mortgage trustee refuses or neglects to comply with such request within a reasonable time.

However, this provision does not impair the right of any holder of a first mortgage bond to enforce our obligation to pay the principal and interest on such first mortgage bond when due. (Mortgage, Section 12, Article IX)

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The laws of the District of Columbia, the State of Maryland, the Commonwealth of Pennsylvania and the Commonwealth of Virginia, where the mortgaged property is located, may limit or deny the ability of the mortgage trustee or the bondholders to enforce certain rights and remedies provided in the mortgage in accordance with their terms.

The Trust Indenture Act requires that we furnish to the mortgage trustee annual certificates as to our compliance with the covenants and conditions in the mortgage.

Defeasance and Discharge

We may at any time deposit money for the payment or redemption of all or any part of the first mortgage bonds then outstanding, including the payment of all interest due thereon, with the mortgage trustee, and such first mortgage bonds will be deemed paid for purposes of the mortgage. If all of the first mortgage bonds, including all interest due thereon, have been paid or deemed paid, and we have observed all of our covenants under the mortgage, the mortgage trustee is obligated to cancel and discharge the lien of the mortgage upon our request. (Mortgage, Section 9, Article VIII; Article XVI)

Table of Contents

Title

The person in whose name first mortgage bonds are registered is deemed the absolute owner thereof for the purpose of making payments and for all other purposes of the mortgage. (Mortgage, Section 7, Article II)

Resignation or Removal of Mortgage Trustee

The mortgage trustee may resign at anytime by giving not less than four weeks prior written notice to us and by publishing such notice in newspapers in Washington, D.C. and the City of New York. The mortgage trustee may be removed at any time by the holders of a majority in principal amount of first mortgage bonds then outstanding. (Mortgage, Section 3, Article XIII)

Table of Contents

DESCRIPTION OF MEDIUM TERM NOTES

The following description of the medium term notes sets forth certain general terms and provisions of the medium term notes that we may offer pursuant to this prospectus. The particular terms of any medium term notes and the extent, if any, to which these general provisions will not apply to such medium term notes will be described in the prospectus supplement relating to the medium term notes.

The medium term notes will be issued in one or more series under the indenture, dated as of July 28, 1989, between us and The Bank of New York, as trustee. In this prospectus we refer to this indenture as the note indenture and we refer to the trustee under the note indenture as the note trustee. The statements set forth below include brief summaries of certain provisions contained in the note indenture. These summaries do not purport to be complete and are qualified in their entirety by reference to the note indenture, the form of which is incorporated by reference as an exhibit to the registration statement of which this prospectus is a part.

General

Unless the relevant prospectus supplement indicates otherwise, the medium term notes will mature on any day from 9 months to 30 years from the original issue date, as selected by the purchaser and agreed to by us. Each medium term note will bear interest at either fixed rates or floating rates. We will offer the medium term notes on a continuous basis. The relevant prospectus supplement, or the pricing supplement described in the prospectus supplement, will set forth the following terms of the medium term notes:

the purchase price, or a statement that the medium term notes are being offered by an agent as principal at varying market prices;

the original issue date;

the stated maturity date;

if fixed rate notes, the rate per annum at which such notes will bear interest;

if floating rate notes, the interest rate formula and other variable terms;

the date or dates from which any such interest shall accrue;

the terms for redemption, if any; and

any other terms of such medium term notes not inconsistent with the note indenture.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The note indenture does not contain any covenants or other provisions that specifically are intended to afford holders of the medium term notes special protection in the event of a highly leveraged transaction.

No Sinking Fund

The medium term notes will not be subject to any sinking fund.

Unsecured Obligations

The medium term notes will be unsecured and will rank pari passu with all of our other unsecured and unsubordinated indebtedness. As of the date of this prospectus, we have \$135,000,000 in aggregate principal amount of medium term notes outstanding under the note indenture (not including the medium term notes offered hereby), and we have an aggregate of \$1,006,800,000 of secured debt outstanding. The terms of the medium term notes will not restrict us from incurring more secured debt.

Table of Contents

Book-Entry Notes

We may issue the medium term notes of any series in the form of one or more fully-registered medium term notes (which we refer to as a book-entry note) which will be deposited with, or on behalf of, a depositary identified in the prospectus supplement relating to such series and registered in the name of the depositary or its nominee. Except as set forth below, the book-entry note may not be transferred except as a whole

by the depositary to a nominee of the depositary,

by a nominee of the depositary to the depositary,

by a nominee of the depositary to another nominee of the depositary, or

by the depositary or any nominee to a successor of the depositary or a nominee of such successor.

(Note Indenture, Section 303)

Depositary Arrangements

We will describe the specific terms of the depositary arrangement with respect to any portion of a series of medium term notes to be represented by a book-entry note in the prospectus supplement relating to such series. We anticipate that the following provisions will apply to all depositary arrangements.

Generally, ownership of beneficial interests in a book-entry note will be limited to participants that have accounts with the depositary for such book-entry note or persons that may hold interests through participants. Upon the issuance of a book-entry note, the depositary will credit, on its book-entry registration and transfer system, the respective principal amounts of the medium term notes represented by such book-entry note to the accounts of participants. The accounts to be credited will be designated by the agents for such medium term notes, or by us if we offer and sell such notes directly.

Ownership of beneficial interests in a book-entry note will be shown on, and the transfer of that ownership will be effected only through, records maintained by the depositary, or by participants or persons that may hold interests through participants. The laws of some states require that certain purchasers of securities take physical delivery of such securities in certificated form. Such limits and such laws may impair the ability to transfer beneficial interests in a book-entry note.

So long as the depositary or its nominee is the registered owner of a book-entry note, the depositary or its nominee, as the case may be, will be considered the sole owner or holder of the medium term notes represented by such book-entry note for all purposes under the note indenture. Except as provided below, owners of beneficial interests in a book-entry note will not be entitled to have medium term notes represented by such book-entry note registered in their names, will not receive or be entitled to receive physical delivery of medium term notes in certificated form

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

and will not be considered the owners or holders thereof under the note indenture. Accordingly, each person owning a beneficial interest in a book entry note must rely on the procedures of the depositary 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 under the note indenture. We understand that under existing industry practices, if we request any action of holders, or if any owner of a beneficial interest in a book entry note desires to give or take any action allowed under the note indenture, the depositary would authorize the participants holding the relevant beneficial interests to give or take such action, and such participants would authorize beneficial owners owning through such participants to give or take such action or would otherwise act upon the instruction of beneficial owners holding through them.

Interest and Premium

Principal, premium, if any, and interest payments on medium term notes represented by a book-entry notes will be made to the depositary or its nominee as the registered owner of the book-entry note. We and our agents will have no responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a book-entry note, or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Table of Contents

We expect that the depository, upon receipt of any payment of principal, premium, if any, or interest in respect of a book-entry note, will credit promptly the accounts of the related participants with payment in amounts proportionate to their respective holdings in principal amount of beneficial interest in such book-entry note as shown on the records of the depository. We also expect that payments by participants to owners of beneficial interests in a book-entry note will be governed by standing customer instructions and customary practices, as is now the case with securities held for the accounts of customers in bearer form or registered in street name and will be the responsibility of such participants.

Withdrawal of Depository

If the depository for any medium term notes represented by a book-entry note is at any time unwilling or unable to continue as depository, or it ceases to be eligible as a depository under applicable law, and a successor depository is not appointed by us within 90 days, we will issue medium term notes in certificated form in exchange for the relevant book-entry note. In addition, we may at any time determine not to have medium term notes represented by one or more book-entry notes, and, in such event, will issue medium term notes in certificated form in exchange for the book-entry note or notes representing such medium term notes. Further, if we so specify with respect to a book-entry note, an owner of a beneficial interest in such book-entry note may, on terms acceptable to us and the depository, receive medium term notes in certified form. Any medium term notes issued in certificated form in exchange for a book-entry note will be registered in such name or names that the depository, pursuant to instructions from its direct or indirect participants or otherwise, gives to the trustee. (Note Indenture, Section 305)

Registration and Transfer

The medium term notes will be issued only in fully registered certificated or book-entry form without coupons and, except as may otherwise be provided in the applicable prospectus supplement or pricing supplement, in denominations of \$1,000 or any multiple thereof.

If medium term notes are issued in certificated form, the transfer of the medium term notes may be registered, and medium term notes may be exchanged for other medium term notes of the same series, of authorized denominations and with the same terms and aggregate principal amount, at the offices of the note trustee. We may change the place for registration of transfer and exchange of the medium term notes and designate additional places for registration of transfer and exchange. (Note Indenture, Section 305)

No service charge will be made for any transfer or exchange of the medium term notes. However, we may require payment to cover any tax or other governmental charge that may be imposed in connection with any transfer or exchange. We will not be required to register the transfer of, or to exchange, the medium term notes of any series during the 15 days prior to the date of selection for redemption of any medium term notes of that series or any medium term note that is selected for redemption. (Note Indenture, Section 305)

Payment and Paying Agents

Unless the relevant prospectus supplement indicates otherwise, payment of interest on a medium term note on any interest payment date will be made to the person in whose name such medium term note is registered at the close of business on the regular record date for such interest payment. If there has been a default in the payment of interest on any medium term note, the defaulted interest may be paid to the holder of such medium term note as of the close of business on a special record date selected by the note trustee that is no less than 10 nor more than 15 days before the date established by us for proposed payment of such defaulted interest or in any other manner permitted by any securities exchange on which that medium term note may be listed, if the note trustee finds it practicable. (Note Indenture, Section 307)

Unless the relevant prospectus supplement indicates otherwise, principal of, premium, if any, and any interest on the medium term notes will be payable at the office of the paying agent designated by us. However, we may elect to pay interest by check mailed to the address of the person entitled to such payment at the address

Table of Contents

appearing in the security register. Unless otherwise indicated in the relevant prospectus supplement, the corporate trust office of the note trustee in the City of New York will be designated as our sole paying agent for payments with respect to medium term notes of each series. Any other paying agents initially designated by us for the medium term notes of a particular series will be named in the relevant prospectus supplement. We may at any time designate additional paying agents or rescind the designation of any paying agent or approve a change in the office through which any paying agent acts, except that we will be required to maintain a paying agent in each place of payment for the medium term notes of a particular series. (Note Indenture, Section 1002)

All moneys paid by us to a paying agent for the payment of the principal of, premium, if any, or any interest on any medium term note which remain unclaimed for two years after such principal, premium or interest has become due and payable will be repaid to us, and the holder of such medium term note thereafter may look only to us for payment. (Note Indenture, Section 1003)

Defeasance and Discharge

The note indenture provides that we will be deemed to have paid and discharged all of our obligations with respect to the medium term notes of any series by

irrevocably depositing in trust with the note trustee money, or with respect medium term notes denominated in United States dollars, certain United States obligations or obligations guaranteed by the United States as specified in the note indenture, which will be sufficient to pay when due the entire indebtedness on the medium term notes of such series, including principal, any premium and interest,

delivering to the senior trustee an opinion of independent counsel to the effect that the holders of the affected medium term notes will have no Federal income tax consequences as a result of such deposit and discharge, and satisfying certain other conditions specified in the senior indenture.

(Note Indenture, Section 403)

Consolidation, Merger and Sale of Assets

Under the terms of the note indenture, we may consolidate with or merge with or into any other entity or convey, sell or lease all or substantially all of our assets to any entity, provided that:

- (i) we are the surviving entity in any merger;
- (ii) if we are not the surviving entity, the successor entity is organized and validly existing under the laws of any domestic jurisdiction and it expressly assumes our obligations on all medium term notes and under the note indenture;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (iii) immediately after giving effect to the transaction, the surviving entity is not in default under the medium term notes or the note indenture; and
- (iv) we shall have delivered to the note trustee an officer's certificate and an opinion of counsel as provided in the note indenture.

(Note Indenture, Article Eight)

Event of Default

The term Event of Default, when used in the note indenture with respect to any series of medium term notes issued thereunder, means any of the following:

- (i) Failure to pay interest on such medium term notes within 30 days after it is due;
- (ii) Failure to pay the principal of or any premium on any such medium term notes when due;
- (iii) Failure to perform any other covenant or warranty in the note indenture, other than a covenant that does not relate to such series of medium term notes, that continues for 60 days after we receive written

Table of Contents

notice from the note trustee, or we and the note trustee receive a written notice from the holders at least 33% in aggregate principal amount of the medium term notes of that series; or

- (iv) Events relating to our bankruptcy, insolvency or reorganization specified in the note indenture.

(Note Indenture, Section 501)

An Event of Default for a particular series of medium term notes does not necessarily constitute an Event of Default for any other series of medium term notes issued under the note indenture. The note trustee may withhold notice to the holders of medium term notes of any default, except default in the payment of principal, any premium, or interest, if it considers the withholding of notice to be in the interests of the holders. (Note Indenture, Section 602)

Remedies

If an Event of Default under the note indenture for any series of medium term notes occurs and continues, the note trustee or the holders of at least 33% in aggregate principal amount of all the medium term notes of the series may declare the entire principal amount of all the medium term notes of that series to be due and payable immediately. (Note Indenture, Sections 502)

There is no automatic acceleration, even in the event of our bankruptcy, insolvency or reorganization. (Note Indenture, Section 502)

At any time after a declaration of acceleration with respect to the medium term notes of any series has been made and before a judgment or decree for payment of the money due has been obtained, a majority in aggregate principal amount of all the medium term notes of that series may rescind and annul the declaration and its consequences if:

- (i) We have paid or deposited with the note trustee a sum sufficient to pay:
 - (a) all overdue installments of interest on all medium term notes of the series;
 - (b) the principal of and premium, if any, on any medium term notes of the series which have become due otherwise than by acceleration and interest thereon at the prescribed rates, if any, set forth in such medium term notes;
 - (c) interest on overdue interest (to the extent allowed by law) at the prescribed rates, if any, set forth in such medium term notes; and
 - (d) all amounts due to the trustee under the note indenture; and

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (ii) Any other Event of Default under the note indenture with respect to the medium term notes of that series (other than the nonpayment of principal that has become due solely by declaration of acceleration) has been cured or waived as provided in the note indenture.

(Note Indenture, Section 502)

The note trustee is not obligated to exercise any of its rights or powers under the note indenture at the request, order or direction of any of the holders, unless the holders offer the note trustee a reasonable indemnity. (Note Indenture, Section 603) If they provide this reasonable indemnity, the holders of a majority in principal amount of any series of medium term notes will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the note trustee or exercising any trust or power conferred upon the note trustee. The note trustee is not obligated to comply with directions that conflict with law or other provisions of the note indenture or that are unduly prejudicial to the rights of other holders of medium term notes of that series. (Note Indenture, Section 512)

No holder of medium term notes of any series will have any right to institute any proceeding under the note indenture, or for any remedy under the note indenture, unless:

- (i) the holder has previously given to the note trustee written notice of a continuing Event of Default with respect to medium term notes of such series;

Table of Contents

- (ii) the holders of at least 33% in aggregate principal amount of the outstanding medium term notes of such series have made a written request to the note trustee, and have offered reasonable indemnity to the note trustee, to institute proceedings;
- (iii) the note trustee has failed to institute any proceeding for 60 days after notice; and
- (iv) no direction inconsistent with such written request has been given to the note trustee during such 60-day period by the holders of a majority in aggregate principal amount of the outstanding medium term notes of such series.

In addition, no holder of medium term notes of such series notes will have any right to institute any action under the note indenture to disturb or prejudice the rights of any other holder of medium term notes. (Note Indenture, Section 507)

However, these limitations do not apply to a suit by a holder of a medium term note for payment of the principal, premium, if any, or interest on the medium term note on or after the applicable due date. (Note Indenture, Section 508)

We will provide to the note trustee an annual statement by an appropriate officer as to our compliance with all obligations under the note indenture. (Note Indenture, Section 1005)

Modification and Waiver

Without the consent of any holder of medium term notes, we and the note trustee may enter into one or more supplemental indentures for any of the following purposes:

- (i) To evidence the assumption by any permitted successor of our covenants in the note indenture and in the medium term notes;
- (ii) To add to our covenants or to surrender any of our rights or powers under the note indenture;
- (iii) To provide that bearer medium term notes may be registrable, to permit registered medium term notes to be exchanged for bearer medium term notes and to permit the issuance of medium term notes in uncertificated form;
- (iv) To establish the form or terms of senior notes of any series as permitted by the note indenture;
- (v) To evidence and provide for the acceptance of appointment of a successor trustee;
- (vi) To cure any ambiguity, inconsistency or defect or to make any other provisions with respect to matters and questions arising under the note indenture which do not adversely affect the interests of the holders of medium term notes of any series in any material respect;

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

- (vii) To add to, delete from or revise the conditions and restrictions in the note indenture on the amount, terms and purposes of issue, authentication and delivery of medium term notes;
- (viii) To provide security for the medium term notes; or
- (ix) To modify, eliminate or add to the provisions of the note indenture to such extent as shall be necessary to effect the qualification of the note indenture under the Trust Indenture Act and to add to the note indenture such other provisions as may be expressly required under the Trust Indenture Act.

(Note Indenture, Section 901)

The holders of at least a majority in aggregate principal amount of the medium term notes of any series then outstanding may waive our compliance with some restrictive provisions of the note indenture. (Note Indenture,

Table of Contents

Section 1006) The holders of not less than a majority in principal amount of the outstanding medium term notes of any series may waive any past default under the note indenture with respect to that series, except a default in the payment of principal, premium, if any, or interest and certain covenants and provisions of the note indenture that cannot be modified or be amended without the consent of the holder of each outstanding medium term note of the series affected. (Note Indenture, Section 513)

The consent of the holders of at least 66-2/3% in aggregate principal amount of the medium term notes of each series outstanding is required for all other modifications to the note indenture that affect the medium term notes of such series. However, no such amendment or modification may:

- (i) Change the stated maturity of the principal of, or any installment of principal of or interest on, any medium term note, or reduce the principal amount of any medium term note or its rate of interest or reduce any amount payable upon redemption, or change the currency in which payments are made, or impair the right to institute suit for the enforcement of any payment on or after the stated maturity of any medium term note, without the consent of the holder;
- (ii) Reduce the percentage in principal amount of the outstanding medium term notes of any series the consent of the holders of which is required for any supplemental indenture or any waiver of compliance with a provision of the note indenture or any default thereunder and its consequences, or reduce the requirements for quorum or voting of medium term note holders, without the consent of all the holders of the series; or
- (iii) Modify certain of the provisions of the note indenture relating to supplemental indentures, waivers of certain covenants and waivers of past defaults with respect to the medium term notes of any series, without the consent of the holder of each outstanding medium term note affected thereby.

A supplemental indenture which changes the note indenture solely for the benefit of one or more particular series of medium term notes, or modifies the rights of the holders of medium term notes of one or more series, will not affect the rights under the note indenture of the holders of the medium term notes of any other series. (Note Indenture, Section 902)

The note indenture provides that medium term notes owned by us or anyone else required to make payment on the medium term notes, or any of our or their affiliates, shall be disregarded and considered not to be outstanding in determining whether the required holders have given a request or consent. (Note Indenture, Section 101)

We may fix in advance a record date to determine the required number of holders entitled to give any request, demand, authorization, direction, notice, consent, waiver or other such act of the holders, but we shall have no obligation to do so. If we fix a record date, that request, demand, authorization, direction, notice, consent, waiver or other act of the holders may be given before or after that record date, but only the holders of record at the close of business on that record date will be considered holders for the purposes of determining whether holders of the required percentage of the outstanding medium term notes have authorized or agreed or consented to the request, demand, authorization, direction, notice, consent, waiver or other act of the holders. For that purpose, the outstanding medium term notes shall be computed as of the record date. Any request, demand, authorization, direction, notice, consent, election, waiver or other act of a holder will bind every future holder of the same medium term note and the holder of every medium term note issued upon the registration of transfer of or in exchange of that medium term note. A transferee will be bound by acts of the note trustee or us in reliance thereon, whether or not notation of that action is made upon the medium term note. (Note Indenture, Section 104)

Table of Contents

Resignation of the Note Trustee

The note trustee may resign at any time with respect to any series of medium term notes then by giving written notice to us, or the holders of a majority in principal amount of any series of medium term notes may remove the note trustee at any time by giving written notice to us and the note trustee. No resignation or removal of a note trustee and no appointment of a successor note trustee will be effective until the acceptance of appointment by a successor note trustee. Under certain circumstances described in the note indenture, we may remove the note trustee with respect to the medium term notes of all series or any holder of a medium term note of any series who has held the note for at least six months may petition a court to remove the note trustee with respect to that series. (Note Indenture, Section 610)

Notices

Notices to holders of medium term notes will be given by mail to the addresses of such holders as they may appear in the security register for medium term notes. (Note Indenture, Section 106)

Title

We, the note trustee and any agent of us or the note trustee may treat the person in whose name medium term notes are registered as the absolute owner thereof, whether or not the medium term notes may be overdue, for the purpose of making payments and for all other purposes irrespective of notice to the contrary. (Note Indenture, Section 308)

Governing Law

The note indenture and the medium term notes are governed by, and construed in accordance with, the laws of the State of New York. (Note Indenture, Section 113)

Table of Contents

INFORMATION ABOUT THE TRUSTEE

The Bank of New York acts as trustee under the senior indenture, the mortgage and the note indenture and in connection with the sale and leaseback of our Control Center. In addition, The Bank of New York acts, and may act, as trustee and paying agent under various other indentures, trusts and guarantees of us and our affiliates. We and our affiliates maintain deposit accounts and credit and liquidity facilities and conduct other banking transactions with The Bank of New York in the ordinary course of our businesses.

DESCRIPTION OF PREFERRED STOCK

General

The following description of the terms of our preferred stock sets forth certain general terms and provisions of the preferred stock that we may offer pursuant to this prospectus. The terms of our articles of incorporation and bylaws are more detailed than the general information provided below. Therefore, you should carefully consider the actual provisions of these documents.

The relevant prospectus supplement will describe the terms of the preferred stock being offered, including

the designation and aggregate number of shares of such preferred stock,

the annual dividend rate for such preferred stock, or the method of determining such rate, and

any redemption terms, liquidation, sinking fund and conversion terms, and

any other specific terms applicable to such preferred stock.

Authorized Shares

Our authorized preferred stock consists of 7,750,000 shares, par value \$50 per share, and is issuable in series of equal rank, with the serial designations, dividend rates, terms and conditions of redemption, amounts payable on voluntary liquidation, sinking fund provisions, and conversion rights as our Board of Directors may determine upon issuance.

Dividends

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

The holders of preferred stock of each series are entitled to receive, as declared by our Board of Directors, cumulative cash dividends at the annual rate for that series. Dividends are payable March 1, June 1, September 1 and December 1 in each year to stockholders of record on the respective dates fixed for that purpose by our Board of Directors. Dividends on the preferred stock of each series offered by this prospectus will be payable at the annual rate shown in the title of the series and will accrue from the dividend payment date next preceding the date of its issue.

Redemption and Sinking Fund

If provided for by any series of preferred stock, we may redeem the whole, or any part by lot, of such series upon 30 to 60 days' notice at the applicable redemption price. Preferred stock of any series may also be subject to redemption pursuant to a sinking fund, if one is provided for such series. The applicable prospectus supplement will describe any terms of redemption or any sinking fund.

We may not partially redeem preferred stock or purchase any preferred stock (except in response to an invitation mailed simultaneously to all holders thereof) if we are in default of any dividend payment or the payment or setting aside of any sinking fund requirement.

Liquidation Rights

The preferred stock is entitled to receive upon voluntary liquidation the amount fixed for the respective series and upon involuntary liquidation \$50 per share, together in each case with accrued unpaid dividends,

Table of Contents

before any distribution may be made on any junior stock. The applicable prospectus supplement will describe the voluntary liquidation amounts fixed for any series by our Board of Directors.

Voting Rights

The preferred stock has no voting rights in the election of directors, except that if we default in the payment of four quarterly dividends, and until we pay all such defaulted dividends, the holders of all preferred stock voting as a class will be entitled to elect 25% of our Board of Directors.

The consent of more than two-thirds of the preferred stock, or of any series that is specially affected, is required for certain charter amendments, such as those creating senior or parity stock, increasing the authorized amount of preferred stock or changing the terms of the preferred stock in a substantially prejudicial manner.

The consent of a majority of the preferred stock is required for:

the creation of unsecured debt unless the amount thereof will not exceed 25% of secured indebtedness plus capital and surplus, and

any increase in the number of outstanding shares of preferred stock unless

a capital coverage test is met, and

for a period of 12 consecutive calendar months within the 15 calendar months preceding the date of issuance of the additional preferred stock, our net earnings after depreciation and taxes, but before deducting interest, are at least one and one-half times the annual interest charges and dividend requirements on all indebtedness and shares of preferred stock and any senior and parity stock to be outstanding immediately following such issuance, and

our merger or consolidation with any other corporation or the sale or lease of all or substantially all of our assets unless ordered, approved or permitted by applicable regulatory authority.

Liability for Assessments

The preferred stock is not liable for further calls or assessments.

Restrictions on Dividends on Junior Stock

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We may not declare any dividend on any junior stock (including our common stock) unless we have paid or provided for all dividends for the past and current quarters, and any sinking fund requirements, on the preferred stock.

So long as any preferred stock is outstanding, if at the end of the calendar month preceding the declaration of a dividend the ratio of common stock capital plus surplus (less the proposed dividend) to total capital (including long-term debt) plus such surplus is less than 20%, dividends on common stock for the year ending on the date of such declaration (including the proposed dividend) may not exceed 50% (or 75% if the above ratio is 20% or more but less than 25%) of net earnings (less dividends on other stock) for the 12 calendar months preceding the declaration. No amount of surplus is presently restricted as the result of this provision.

Preemptive Rights

The holders of preferred stock do not have preemptive rights.

Transfer Agent and Registrar

Our affiliate, PHI Service Company, serves as transfer agent and registrar for the preferred stock.

Table of Contents

PLAN OF DISTRIBUTION

We may sell the securities offered by this prospectus directly to purchasers or indirectly through underwriters, dealers or agents. The names of any such underwriters, dealers or agents will be set forth in the relevant prospectus supplement. We will also set forth in the relevant prospectus supplement:

the terms of the offering of the securities;

the proceeds we will receive from such a sale;

any underwriting discounts, sales commissions and other items constituting underwriters' compensation;

any initial public offering price;

any commissions payable to agents;

any discounts or concessions allowed or reallocated or paid to dealers; and

any securities exchanges on which we may list the securities.

We may distribute the securities from time to time in one or more transactions at:

a fixed price;

prices that may be changed;

market prices at the time of sale;

prices related to prevailing market prices; and

negotiated prices.

We will describe the method of distribution in the relevant prospectus supplement.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

If we use underwriters with respect to a series of the securities, we will set forth in the relevant prospectus supplement:

the name of the managing underwriter, if any;

the name of any other underwriters; and

the terms of the transaction, including any underwriting discounts and other items constituting compensation of the underwriters and dealers, if any.

The underwriters will acquire any securities for their own accounts and they may resell the securities from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale.

Any initial public offering price and any discounts or concessions allowed or reallocated or paid to dealers may be changed from time to time. We anticipate that any underwriting agreement pertaining to any securities will:

entitle the underwriters to indemnification by us against certain civil liabilities under the Securities Act, or to contribution with respect to payments that the underwriters may be required to make related to any such civil liability;

subject the obligations of the underwriters to certain conditions precedent; and

obligate the underwriters to purchase all securities offered in a particular offering if any such securities are purchased.

In connection with an offering of the securities, underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of the securities. Specifically, underwriters may:

overallot in connection with the offering, creating a short position;

Table of Contents

bid for, and purchase, the securities in the open market to cover short positions;

bid for, and purchase, the securities in the open market to stabilize the price of the securities; and

reclaim selling concessions allowed for distributing the securities in the offering if the underwriter repurchases previously distributed securities in covering transactions, in stabilization transactions or otherwise.

Any of these activities may stabilize or maintain the market price of the securities above independent market levels. Underwriters are not required to engage in these activities, and may end any of these activities at any time. No assurance can be given as to the liquidity of any trading market for the securities.

If we use a dealer in an offering of the securities, we will sell such securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by such dealer at the time of resale. We will set forth the name of the dealer and the terms of the transaction in the prospectus supplement.

If we use an agent in an offering of the securities, we will name the agent and describe the terms of the agency in the relevant prospectus supplement. Unless we indicate otherwise in the prospectus supplement, we will require an agent to act on a best efforts basis for the period of its appointment.

Any underwriters, agents or dealers participating in the distribution of the securities may be deemed to be underwriters under the Securities Act and any discounts or commissions received by them on the sale or resale of the securities may be deemed to be underwriting discounts and commissions under the Securities Act. We may indemnify them against certain civil liabilities under the Securities Act. In the ordinary course of business, we may engage in transactions with underwriters, dealers and agents and they may perform services for us.

We may solicit offers to purchase the securities and make sales directly to institutional investors or others who may be considered underwriters under the Securities Act with respect to such sales. We will describe the terms of any such offer in the relevant prospectus supplement.

We may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The relevant prospectus supplement will describe the commission payable for solicitation of those contracts.

Offered securities may also be offered and sold, if so indicated in the relevant prospectus supplement, in connection with a remarketing upon their purchase, in accordance with a redemption or repayment pursuant to their terms, or otherwise, by one or more remarketing firms, acting as principals for their own accounts or as agents for us. Any remarketing firm will be identified and the terms of its agreements, if any, with us and its compensation will be described in the relevant prospectus supplement.

Edgar Filing: POTOMAC ELECTRIC POWER CO - Form 424B5

We will set forth in the relevant prospectus supplement the anticipated delivery date of the securities and the prospectus delivery obligations of dealers.

Table of Contents

LEGAL MATTERS

Certain legal matters with respect to the securities offered hereby will be passed upon for us by Kirk Emge, Esq., our General Counsel, and by Covington & Burling, Washington, D.C.

EXPERTS

The financial statements incorporated in this Prospectus by reference to the Company's Annual Report on Form 10-K for the year ended December 31, 2002 have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, independent accountants, given on the authority of said firm as experts in auditing and accounting.

Table of Contents