

AMERICAN ELECTRIC POWER CO INC  
Form 11-K  
June 29, 2006

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

---

FORM 11-K

---

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2005

OR

TRANSITION REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to

AMERICAN ELECTRIC POWER SYSTEM  
RETIREMENT SAVINGS PLAN  
(Full title of the plan)

AMERICAN ELECTRIC POWER COMPANY, INC.  
1 Riverside Plaza, Columbus, Ohio 43215

(Name of issuer of the securities held  
pursuant to the plan and the address  
of its principal executive office)

---

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN

TABLE OF CONTENTS

	PAGES
<u>SIGNATURES</u>	3
<u>REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM</u>	4
FINANCIAL STATEMENTS:	
<u>Statements of Net Assets Available for Benefits as of December 31, 2005 and 2004</u>	5
<u>Statements of Changes in Net Assets Available for Benefits for the Years Ended December 31, 2005 and 2004</u>	6
<u>Notes to Financial Statements</u>	7-10
SUPPLEMENTAL SCHEDULE:	
<u>Schedule of Assets Held as of December 31, 2005</u>	11-12
EXHIBITS:	
<u>Exhibit Index</u>	13
<u>Consent of Independent Registered Public Accounting Firm</u>	14

---

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Benefits Finance Committee has duly caused this annual report to be signed by the undersigned thereunto duly authorized.

By: /s/ J. Steven Kiser

J. Steven Kiser, Secretary

Date: June 29, 2006

---

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

American Electric Power Service Corporation, as Plan Administrator:

We have audited the accompanying statements of net assets available for benefits of the American Electric Power System Retirement Savings Plan (the "Plan") as of December 31, 2005 and 2004, and the related statements of changes in net assets available for benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by Plan management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2005 and 2004, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule listed in the Table of Contents is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audit of the basic 2005 financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic 2005 financial statements taken as a whole.

Columbus, Ohio  
June 29, 2006

---

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLANSTATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITSAS OF DECEMBER 31, 2005 AND 2004

	2005	2004
<b>ASSETS:</b>		
Investments:		
Group Annuity, Bank Investment and Other Fixed Income Contracts	\$ 940,351,146	\$ 924,361,737
American Electric Power Company, Inc. - Common Stock	517,452,122	488,809,605
Registered Investment Company Funds	1,308,332,743	1,209,821,237
Fidelity Institutional Cash Portfolio Fund	11,368,580	33,481,013
Participant Loans	55,014,826	53,684,903
<b>Total Investments</b>	<b>2,832,519,417</b>	<b>2,710,158,495</b>
Other Receivables	3,540,953	491,464
<b>NET ASSETS AVAILABLE FOR BENEFITS</b>	<b>\$ 2,836,060,370</b>	<b>\$ 2,710,649,959</b>

See notes to financial statements.

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLANSTATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS  
FOR THE YEARS ENDED DECEMBER 31, 2005 AND 2004

	2005	2004
<b>NET INVESTMENT INCOME:</b>		
Interest	\$ 37,173,823	\$ 38,968,135
Dividends	59,184,701	52,708,305
Net Appreciation in Fair Value of Investments	87,773,142	142,596,400
<b>Total Net Investment Income</b>	<b>184,131,666</b>	<b>234,272,840</b>
<b>CONTRIBUTIONS:</b>		
Participants	131,405,750	122,961,189
Employer	55,007,584	52,615,477
<b>Total Contributions</b>	<b>186,413,334</b>	<b>175,576,666</b>
<b>DISTRIBUTIONS TO PARTICIPANTS</b>	<b>(242,978,237)</b>	<b>(192,347,527)</b>
<b>ADMINISTRATIVE AND MANAGEMENT FEES</b>		
Professional Fees	(201,733)	(9,716)
Investment Advisory and Management Fees	(1,896,276)	(1,672,654)
Other Fees	(58,343)	(82,596)
<b>Total Fees</b>	<b>(2,156,352)</b>	<b>(1,764,966)</b>
<b>INCREASE IN NET ASSETS</b>	<b>125,410,411</b>	<b>215,737,013</b>
<b>NET ASSETS AVAILABLE FOR BENEFITS BEGINNING OF YEAR</b>	<b>2,710,649,959</b>	<b>2,494,912,946</b>
<b>NET ASSETS AVAILABLE FOR BENEFITS END OF YEAR</b>	<b>\$ 2,836,060,370</b>	<b>\$ 2,710,649,959</b>

See notes to financial statements.

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN

NOTES TO FINANCIAL STATEMENTS FOR THE YEARS ENDED DECEMBER 31, 2005 AND 2004

**1. PLAN DESCRIPTION**

The following description of the American Electric Power System Retirement Savings Plan (the "Plan") is provided for general information purposes only. Participants should refer to the Plan documents for more complete information.

The Plan is a defined contribution plan that became effective and commenced operations on January 1, 1978. The Plan covers eligible regularly scheduled full-time and part-time employees of the participating subsidiaries of American Electric Power Company, Inc. ("AEP" or the "Company"). Eligible employees may enroll in the Plan upon commencement of employment. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"). Generally, eligible employees participating in the Plan may make contributions in 1% increments up to 30% of their eligible pay (within IRS limits). Participants who are age 50 and older are able to save additional pre-tax dollars; the catch-up contribution limit was \$4,000 and \$3,000 for 2005 and 2004, respectively. The Company contributes to the Plan, on behalf of each participant, an amount equal to 75% of the participant's contributions up to 6% of the participant's eligible compensation for each payroll period, subject to certain limitations. All contributions are deposited to the American Electric Power System Retirement Savings Plan Trust after each pay period. The Plan, in a manner consistent with the requirements under section 401 et seq., of the Internal Revenue Code, restricts the amount that certain participants who are deemed highly compensated may contribute to the Plan. Participants are allowed to change investment elections, change investment percentages in the funds, or move existing fund balances on a daily basis. Participants are immediately vested in their pre-tax, after-tax and the Company matching contributions, including earnings thereon.

American Electric Power Service Corporation ("AEPSC") is the plan administrator (Plan Administrator) and plan sponsor. AEPSC is a wholly-owned subsidiary of AEP. Fidelity Management Trust Company ("Fidelity" or "Trustee") is the trustee for all funds and is the record keeper for the entire Plan.

In July 2006, Fidelity Management Trust Company is being replaced by JPMorgan Chase Bank N.A. as custodian and trustee and JP Morgan Retirement Plan Services LLC as recordkeeper with respect to the Plan. When this transition occurs, the investment options offered by the Plan will change to a series of separately managed accounts, interests in commingled and collective trusts and self-directed mutual fund brokerage accounts for which JP Morgan affiliates will provide custody, trustee, recordkeeping and other services.

Effective January 1, 2002, the AEP Stock Fund, a Plan investment option, was converted to an Employee Stock Ownership Plan ("ESOP"). As a result, participants can elect to have dividends generated from their AEP Stock Fund holdings paid out in cash, rather than automatically reinvested in the fund. The dividend payouts are made each December and are treated as ordinary income for tax purposes. The 10 percent early withdrawal penalty for individuals under age 59-1/2 does not apply to these dividend payouts.

Participants may transfer the value of their own cumulative contributions, in any whole percentage or dollar amount, among investments, and change their investment elections on a daily basis. Participants may change their payroll contribution elections coinciding with company payroll periods. Excluding their pre-tax contributions, participants may make an unlimited number of withdrawals of their interest in the Plan, including company matching contributions, which are immediately vested. Pre-tax contributions are not eligible for withdrawal by participants not yet age 59-1/2, except under hardship as defined by the Plan or severance of employment.



Participants may borrow from their savings plan accounts, a minimum of \$1,000 but no more than the lesser of \$50,000 or 50% of their account balance. Loan terms range from 12 months to 60 months (or up to 180 months for certain residential loans), or any monthly increment in-between. Interest rates, fixed for the life of the loan, are calculated by adding 1% to the prime rate, as reported in the Eastern edition of the Wall Street Journal, in effect as of the first business day of the calendar quarter in which the loan is taken. Active employees make principal and interest payments through payroll deductions.

Retirees/surviving spouses make monthly payments using a coupon book. Participant loans and the accrued interest are collateralized by the account balance, and upon default, the outstanding balance is subjected to income taxes and possibly penalty taxes.

## **2. ACCOUNTING POLICIES**

The accompanying financial statements are prepared on the accrual basis of accounting.

Investments have been recorded based on the trade-date and are reported in the Statements of Net Assets Available for Benefits at fair value or contract value. The AEP Stock Fund investments are valued at year-end quoted AEP common stock closing prices. The year-end valuations for the various Fidelity funds are based on the closing market prices for the underlying securities as provided by the Trustee. The Managed Income Fund contracts are valued at book value, which is equal to cost (contributions), plus interest, less withdrawals. All participant loans are valued at cost, which approximates fair value at the time the loan is processed.

Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. These amounts are reinvested by the Trustee in the same funds that generated such income with the exception of the AEP Stock Fund, which pays out or reinvests dividends at the participants' discretion. Administrative and Management Fees include short-term redemption fees for certain funds and management fees for the Managed Income Fund. Fees paid to Fidelity totaled \$904,495 and \$842,014 for 2005 and 2004, respectively. Other Plan administration expenses are paid by the employer and not included in the accompanying statement of changes in net assets available for benefits.

Distributions are recorded when paid. There were no amounts due to participants who requested distributions from the Plan as of December 31, 2005 and 2004.

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of net assets available for benefits and changes therein. Actual results could differ from those estimates.

Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements.

## **3. INVESTMENT CONTRACT VALUATION**

The Plan has a Managed Income Fund with Fidelity as trustee, which invests primarily in fully benefit responsive investment contracts. Fidelity maintains the assets in a custodian account. There are no reserves against contract value for credit risk of the contract issuer or otherwise. The account is credited with earnings on the underlying investments and charged for Plan withdrawals (credited interest rates ranged from 5.65% to 3.76% at both December 31, 2005 and 2004). The average yield was 3.87% and 4.16% for fiscal years ending December 31, 2005 and 2004, respectively. The investment is recorded in the financial statements based on the contract value of the underlying investment contracts as reported to the Plan by Fidelity. Contract value represents contributions made under the contract, plus earnings, less withdrawals.

**4. INVESTMENTS EXCEEDING 5% OF PLAN NET ASSETS**

Investments exceeding five percent of net assets as of December 31, 2005 and 2004 were:

	FAIR VALUE	
	2005	2004
AEP Common Stock	\$ 517,452,122	\$ 488,809,605
Fidelity Blue Chip Growth Fund	\$ 245,710,255	\$ 260,990,466
Fidelity US Equity Index Commingled Pool	\$ 211,263,445	\$ 213,447,570
Morgan Guaranty Act Contract	\$ 206,692,392	\$ 174,785,820
Bank of America Contract	\$ 206,691,132	\$ 174,783,709
State Street Bank & Trust Company Contract	\$ 206,691,243	\$ 174,783,455
Rabobank Nederland Contract	\$ 206,684,414	\$ 174,775,218
Fidelity Low-Priced Stock Fund	\$ 152,202,523	\$ 138,270,884

**5. NET APPRECIATION IN FAIR VALUE OF INVESTMENTS**

During 2005 and 2004, the Plan's investments (including investments purchased, sold as well as held during the year) appreciated in value as follows:

	December 31	
	2005	2004
Investment at Fair Value:		
American Electric Power Company, Inc. - Common Stock	\$ 39,600,019	\$ 57,775,118
Investments at Estimated Fair Value:		
Registered Investment Companies and Group Annuity, Bank Investment and Other Fixed Income Contracts	48,173,123	84,821,282
<b>Total Net Appreciation</b>	<b>\$ 87,773,142</b>	<b>\$ 142,596,400</b>

**6. FEDERAL INCOME TAX**

The Internal Revenue Service (IRS) has determined that the Plan meets the requirements of Section 401(a) of the Internal Revenue Code (the Code); therefore, the Plan's Trust is exempt from federal income tax pursuant to Section 501(a) of the Code.

The Plan obtained its latest determination letter on February 15, 2005, in which the IRS stated that the Plan, as then designed, was in compliance with the applicable requirements of the Code; provided however, the letter merely

acknowledges receipt of (without approving) the provisions intended to satisfy the requirements of the Code, as amended by the Economic Growth and Tax Relief Reconciliation Act of 2001 ("EGTRRA") and it contemplates that AEP will make some additional changes to the plan documents that were proposed in correspondence sent to the IRS in connections with its determination letter application. Those changes were made pursuant to documents signed on May 11, 2005. The Company may timely further amend the Plan so that it remains in compliance with the requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Under current income tax laws and regulations, participants are not subject to federal income tax on the employer contributions to their accounts or on the accumulated earnings on employee and Company contributions until such amounts are distributed to participants. Employees have the option to make contributions to the Plan on a pre-tax basis, in which case federal income tax is deferred until such amounts are distributed.

## **7. PLAN TERMINATION**

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants remain 100 percent vested in their accounts.

## **8. RELATED-PARTY TRANSACTIONS**

Certain Plan investments are shares of mutual funds managed by Fidelity Investments. Fidelity is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions.

## **9. LEGAL ISSUES**

In the fourth quarter of 2002 and the first quarter of 2003, three putative class action lawsuits were filed on behalf of the Plan against American Electric Power Company, Inc., certain AEP executives, and AEP's ERISA Plan Administrator alleging violations of ERISA in the selection of AEP stock as an investment alternative and in the allocation of assets to AEP stock. The ERISA actions are pending in Federal District Court, Columbus, Ohio. In these actions, the plaintiffs seek equitable relief and recovery of an unstated amount of compensatory damages, attorney fees and costs. The Defendants have filed a motion to dismiss these actions, which the Court denied. The cases are in the discovery stage. The Court has scheduled a hearing on class certification for late June 2006. The Defendants intend to continue to vigorously defend against these claims. The ultimate outcome of these cases cannot be determined at this stage of the proceedings.

---

**AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN****SUPPLEMENTAL SCHEDULE OF ASSETS HELD AS OF DECEMBER 31, 2005**

	Number of SHARES/UNITS	FAIR/CONTRACT VALUE	COST
<b>MANAGED INCOME FUND:</b>			
Fixed Income Contract - Bank of America variable annual yield (3.76% at December 31, 2005) with an indeterminate maturity date		\$ 206,691,132	\$ 206,691,132
Commingled Pool - Key Bank EPL variable annual yield (4.43% at December 31, 2005) with an indeterminate maturity date		83,387,346	83,387,346
Group Annuity Contract - Monumental Life Insurance Company 5.65% effective annual yield with an indeterminate maturity date		6,375,569	6,375,569
Group Annuity Contract - Morgan Guaranty Act variable annual yield (3.76% at December 31, 2005) with an indeterminate maturity date		206,692,392	206,692,392
Group Annuity Contract - Rabobank Nederland variable annual yield (3.76% at December 31, 2005) with an indeterminate maturity date		206,684,414	206,684,414
Group Annuity Contract - Security Life of Denver Insurance Company 5.25% effective annual yield with an indeterminate maturity date		13,632,061	13,632,061
Group Annuity Contract - State Street Bank & Trust Company variable annual yield (3.76% at December 31, 2005) with an indeterminate maturity date		206,691,243	206,691,243
Group Annuity Contract - Travelers Insurance Co. 4.67% effective annual yield with an indeterminate maturity date		10,196,989	10,196,989
<b>Subtotal</b>		940,351,146	940,351,146
Fidelity Institutional Cash Portfolio Fund	9,671,011 units	9,671,011	9,671,011
		\$ 950,022,157	\$ 950,022,157

**TOTAL - MANANAGED  
INCOME FUND**

---

**AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN****SUPPLEMENTAL SCHEDULE OF ASSETS HELD AS OF DECEMBER 31, 2005 (continued)**

	Number of SHARES/UNITS	FAIR/CONTRACT VALUE	COST
<b>AEP STOCK FUND:</b>			
American Electric Power Company, Inc. Common Stock \$6.50 par value	13,951,257 Shares	\$ 517,452,122	\$ 449,014,903
Fidelity Institutional Cash Portfolio Fund	2,206,530 Units	1,697,569	1,697,569
<b>TOTAL - AEP STOCK FUND</b>		<b>\$ 519,149,691</b>	<b>\$ 450,712,472</b>
<b>REGISTERED INVESTMENT COMPANY:</b>			
Fidelity Blue Chip Growth Fund	5,693,009 Units	\$ 245,710,255	\$ 217,259,515
Fidelity Diversified International Fund	1,546,617 Units	50,326,914	42,396,477
Fidelity Equity Income Fund	2,218,617 Units	117,098,588	99,259,154
Fidelity Freedom 2000 Fund	569,497 Units	6,953,558	6,773,819
Fidelity Freedom 2010 Fund	2,313,471 Units	32,504,269	31,129,913
Fidelity Freedom 2020 Fund	2,467,133 Units	36,291,525	33,855,125
Fidelity Freedom 2030 Fund	904,755 Units	13,589,423	11,794,788
Fidelity Freedom 2040 Fund	639,529 Units	5,647,044	5,110,970
Fidelity Freedom Income Fund	901,477 Units	10,249,797	10,021,547
Fidelity Low-Priced Stock Fund	3,726,800 Units	152,202,523	122,739,827
Fidelity OTC Portfolio	3,195,112 Units	120,743,274	118,287,458
Fidelity Overseas Fund	1,157,782 Units	48,175,307	37,101,938
Fidelity Puritan Fund	5,026,979 Units	94,155,319	88,815,816
Fidelity Small Cap Stock Fund	1,286,395 Units	23,541,020	21,886,231
Fidelity U.S. Equity Index Comingled Pool	5,383,880 Units	211,263,445	151,973,577
PIMCO Total Return Institutional Fund	3,776,987 Units	39,553,367	40,210,304
T. Rowe Price Mid-Cap Growth Fund	934,334 Units	50,584,817	44,582,902
T. Rowe Price Mid-Cap Value Fund	2,127,500 Units	49,740,954	46,379,503
Fidelity Retire Money Market Fund	1,344 Units	1,344	1,344
<b>TOTAL - REGISTERED INVESTMENT COMPANY</b>		<b>\$ 1,308,332,743</b>	<b>\$ 1,129,580,208</b>
<b>PARTICIPANT LOANS</b> (interest rate ranging from 6.25% through 7.75% maturing through December 2020)			
		55,014,826	55,014,826
<b>TOTAL INVESTMENTS</b>		<b>\$ 2,832,519,417</b>	<b>\$ 2,585,329,663</b>

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN

EXHIBIT INDEX

<b>Exhibit Number</b>	<b>Description</b>
23	Consent of Independent Registered Public Accounting Firm

---

AMERICAN ELECTRIC POWER SYSTEM RETIREMENT SAVINGS PLAN

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

American Electric Power Company, Inc.:

We consent to the incorporation by reference in Registration Statement No. 333-128042 on Form S-8 and Post-Effective Amendment No. 3 to Registration Statement No. 33-1052 of American Electric Power System Retirement Savings Plan on Form S-8 of our report dated June 29, 2006 appearing in this Annual Report on Form 11-K of American Electric Power System Retirement Savings Plan for the year ended December 31, 2005.

DELOITTE & TOUCHE LLP

Columbus, Ohio

June 29, 2006