

American Electric Power

American Electric Power System Retirement Plan

Actuarial Valuation Report

Pension Cost for Fiscal Year Ending December 31, 2012
under U.S. GAAP

Employer Contributions for Plan Year
Beginning January 1, 2012

October 2012

TOWERS WATSON 

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Purpose and Actuarial Certification

Purposes of Valuation

American Electric Power retained Towers Watson Pennsylvania Inc. ("Towers Watson"), to perform an actuarial valuation of the American Electric Power System Retirement Plan for the purpose of determining the following:

- (1) The minimum required contribution in accordance with ERISA and the Internal Revenue Code (IRC) for the plan year beginning January 1, 2012.
- (2) The estimated maximum tax-deductible contribution for the tax year in which the 2012 plan year ends in accordance with ERISA as allowed by the IRC. The maximum tax-deductible contribution should be finalized in consultation with American Electric Power's tax advisor.
- (3) Plan accounting information in accordance with FASB Accounting Standards Codification Topic 960 (ASC 960).
- (4) Determination of the Funding Target Attainment Percentage (FTAP) under IRC §430(d)(2), as reported in the Annual Funding Notice required under ERISA 101(f).
- (5) The value of benefit obligations as of January 1, 2012, and American Electric Power's pension cost for fiscal year ending December 31, 2012, in accordance with *FASB ASC 715-30-35*.

Limitations

This valuation has been conducted in accordance with generally accepted actuarial principles and practices. However:

- (1) This report is not intended to constitute a certification of the Adjusted Funding Target Attainment Percentage (AFTAP) under IRC §436 for any plan year.
- (2) This report does not determine the plan's liquidity shortfall requirements (if any) under IRC §430(j)(4). If applicable, we will determine such requirements separately, as requested by American Electric Power.
- (3) This report does not determine liabilities on a plan termination basis, for which a separate extensive analysis would be required.
- (4) The cost method for the minimum required contribution is established under IRC §430 and may not in all circumstances produce adequate assets to pay benefits under all optional forms of payment available under the plan when benefit payments are due.
- (5) This valuation reflects our understanding of the relevant provisions of the Pension Protection Act of 2006 (PPA); the Worker, Retiree and Employer Recovery Act of 2008 (WRERA); and the Preservation of Access to Care for Medicare Beneficiaries and Pension Relief Act of 2010 (PRA). The IRS has yet to issue final guidance with respect to certain aspects of these laws. It is possible that guidance may conflict with our understanding of these laws based on currently available guidance and could therefore affect results shown in this report.
- (6) The valuation reflects for both funding and benefit restrictions purposes the provisions of the Moving Ahead for Progress in the 21st Century Act (MAP-21). MAP-21 imposes corridors around the segment rates used for funding purposes for 2013 plan years, with optional applicability for 2012 plan years. Under MAP-21, the corridors do not apply for purposes of determining (i) unfunded vested benefits for PBGC premium purposes (ii) whether an ERISA §4010 filing is required with PBGC, or (iii) the maximum tax-deductible contribution.

Reliances

In preparing the results presented in this report, we have relied upon information regarding plan provisions, participants, assets and sponsor elections provided by American Electric Power and other persons or organizations designated by American Electric Power. We have reviewed this information for overall reasonableness and consistency, but have neither audited nor independently verified this information. Based on discussions with and concurrence by the plan sponsor, assumptions or estimates may have been made if data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations. In addition, the results in this report are dependent on contributions reported for the prior plan year and maintenance of funding balance elections after the valuation date. We have relied on all the information provided as complete and accurate. The results presented in this report are directly dependent upon the accuracy and completeness of the underlying data and information. Any material inaccuracy in the data, assets, plan provisions or information regarding contributions or funding balance maintenance provided to us may have produced results that are not suitable for the purposes of this report and such inaccuracies, as corrected by American Electric Power, may produce materially different results that could require that a revised report be issued.

Assumptions and Methods under ERISA and the Internal Revenue Code for Funding Purposes

As prescribed by regulation, the plan sponsor selected key assumptions and funding methods (including asset valuation method and choice among prescribed interest rates including MAP-21 alternatives) employed in the development of the contribution amounts and communicated them to us in the letter dated March 26, 2012. The plan sponsor also elected to reflect the provisions of MAP-21 for both minimum funding and benefit restrictions purposes in the letter dated September 13, 2012. To the extent not prescribed by ERISA, the Internal Revenue Code and regulatory guidance from the Treasury and the IRS, or selected by the sponsor, the actuarial assumptions and methods employed in the development of the contribution amounts have been selected by Towers Watson, with the concurrence of the plan sponsor. It is beyond the scope of this actuarial valuation to analyze the reasonableness and appropriateness of prescribed methods and assumptions, or to analyze other sponsor elections from among the alternatives available for prescribed methods and assumptions.

Other than prescribed assumptions, ERISA and the Internal Revenue Code require the use of assumptions each of which is "reasonable (taking into account the experience of the plan and reasonable expectations), and which, in combination, offer the actuary's best estimate of anticipated experience under the plan." We believe that the non-prescribed assumptions used in our valuation are reasonable and appropriate for the purposes for which they have been used.

A summary of the assumptions and methods used is provided in Appendix A. Note that any subsequent changes in methods or assumptions for the 2012 plan year will change the results shown in this report and could result in plan qualification issues under IRC §436 if the application of benefit restrictions is affected by the change.

Assumptions and Methods Under ASC 715-30-35

The actuarial assumptions and methods employed in the development of the pension cost have been selected by the plan sponsor with the concurrence of Towers Watson, except for the expected rate of return on plan assets selected as of December 31, 2011. Evaluation of the expected return assumption was outside the scope of Towers Watson's assignment and would have required substantial additional work which we were not engaged to perform.

Accumulated other comprehensive (income)/loss amounts shown in the report are shown prior to adjustment for deferred taxes. Any deferred tax effects in AOCI should be determined in consultation with AEP's tax advisors and auditors.

Nature of Actuarial Calculations

The results shown in this report are estimates based on data that may be imperfect and on assumptions about future events which cannot be predicted with certainty. The effects of certain plan provisions may be approximated, or determined to be insignificant and therefore not valued. Reasonable efforts were made in preparing this valuation to confirm that items that are significant in the context of the actuarial liabilities or costs are treated appropriately, and are not excluded or included inappropriately. The numbers shown in this report are not rounded, but this is for convenience only and should not imply precision, which is not a characteristic of actuarial calculations.

If overall future plan experience produces higher benefit payments or lower investment returns than assumed, the relative level of plan costs or contribution requirements reported in this valuation will likely increase in future valuations (and vice versa). Future actuarial measurements may differ significantly from the current measurements presented in this report due to many factors, including: plan experience differing from that anticipated by the economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for the measurements (such as the end of an amortization period); and changes in plan provisions or applicable law. It is beyond the scope of this valuation to analyze the potential range of future pension contributions; we can do so upon request.

See Basis for Valuation in Section 1 above for a discussion of any material events that have occurred after the valuation date that are not reflected in this valuation.

Limitations on Use

This report is provided subject to the terms set out herein and in our engagement letter dated February 13, 2012, and any accompanying or referenced terms and conditions.

The information contained in this report was prepared for the internal use of American Electric Power and its auditors in connection with our actuarial valuation of the pension plan as described in Purposes of Valuation above. It is not intended for and may not be used for other purposes, and we accept no responsibility or liability in this regard. American Electric Power may distribute this actuarial valuation report to the appropriate authorities who have the legal right to require American Electric Power to provide them this report, in which case American Electric Power will use best efforts to notify Towers Watson in advance of this distribution, and will include the non-reliance notice included at the end of this report. Further distribution to, or use by, other parties of all or part of this report is expressly prohibited without Towers Watson's prior written consent. In the absence of such consent and an express assumption of responsibility, no responsibility whatsoever is accepted by us for any consequences arising from any third party relying on this report or any advice relating to its contents. There are no intended third-party beneficiaries of this report or the work underlying it.

Professional Qualifications

The undersigned consulting actuaries are members of the Society of Actuaries and meet the "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" relating to pension plans. Our objectivity is not impaired by any relationship between American Electric Power and our employer, Towers Watson Pennsylvania Inc.



Joseph A. Perko, FSA, EA, MAAA
Senior Consultant



Ryan S. Carney, FSA, EA, MAAA
Senior Consultant

Towers Watson Pennsylvania Inc.

October 2012

Section 1: Summary of Results

Summary of Valuation Results

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2012	January 1, 2011
Funding		
Market value with discounted receivable contributions	4,414,994,593	4,014,062,294
Actuarial value of assets	4,379,946,416	3,882,730,379
Funding balances	553,175,546	329,649,337
Funding target	3,821,837,296	4,177,243,880
Target normal cost (including expenses)	59,326,765	75,082,044
Funding shortfall (surplus)	(4,933,574)	624,162,838
Funding target attainment percentage (FTAP)	100.1%	85.1%
Minimum required contribution		
Prior to application of funding balances	54,393,192	189,639,274
Net of available funding balances	0	0
Effective interest rate	6.90%	6.06%
U.S. GAAP Accounting (ASC 715) as of Measurement Date		
Projected benefit obligation (PBO)	4,914,261,689	4,703,772,057
Fair value of assets (without receivable contributions)	4,319,006,165	3,868,611,425
Funded status	(595,255,524)	(835,160,632)
Pension cost (excluding effects of settlements, curtailments and termination benefits) for fiscal year	122,179,275	110,033,327
Discount rate	4.55%	5.05%
Participants as of Census Date		
Active employees	18,056	18,141
Participants with deferred benefits	6,077	6,283
Participants receiving benefits	<u>16,262</u>	<u>16,307</u>
Total	<u>40,395</u>	<u>40,731</u>

Minimum Required Contribution and Funding Policy

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2012	January 1, 2011
Minimum Required Contribution		
Prior to application of funding balances	54,393,192	189,639,274
Net of available funding balances	0	0
Sponsor's funding policy contribution	100,000,000	450,000,000

Our understanding of the current sponsor's funding policy is to contribute the greater of \$100 million and the minimum required contribution using credit balances as available, until the plan is fully funded. We understand that the sponsor may deviate from this policy based on cash, tax or other considerations. Contributions of \$450,000,000 were made during plan year 2011 under this policy, with \$150,000,000 applied towards plan year 2010 and the remainder applied towards plan year 2011.

The minimum required contribution for the 2012 plan year must be partially satisfied in quarterly installments during the plan year, with a final payment due by September 15 (following). These requirements may be satisfied through contributions and/or an election to apply the available funding balances. The minimum required contribution is determined assuming it is paid as of the valuation date for the plan year. Contributions made on a date other than the valuation date must be adjusted for interest at the plan's effective interest rate. The minimum funding schedule, before reflecting any funding balances elections or amounts already contributed for the 2012 plan year prior to the issuance of this report, is shown below:

All monetary amounts shown in US Dollars

Due Date	Amount
April 15	12,238,468
July 15	12,238,468
October 15	12,238,468
January 15 (following)	12,238,468
September 15 (following)	8,451,476

Because the plan does not have a funding shortfall, quarterly contributions for the 2013 plan year will not be required.

Change in Minimum Funding Requirement and Funding Shortfall

The minimum funding requirement decreased from \$189,639,274 for the 2011 plan year to \$54,393,192 for the 2012 plan year, and the funding shortfall decreased from \$624,162,838 on January 1, 2011, to \$(4,933,574) on January 1, 2012, as set forth below:

All monetary amounts shown in US Dollars

	Minimum Funding Requirement	Funding Shortfall (Surplus)
Prior year	189,639,274	624,162,838
Change due to:		
▶ Expected based on prior valuation, contributions, and use of/creation of funding balances	(1,205,568)	(116,920,328)
▶ Sponsor election to reduce the funding balances	0	0
▶ Unexpected noninvestment experience	(2,602,146)	29,831,901
▶ Unexpected investment experience	(230,502)	(167,872,799)
▶ Assumption changes	8,719,768	271,970,898
▶ Reflection of MAP-21	(139,927,634)	(646,106,084)
▶ Method changes	0	0
▶ Plan amendments	0	0
Current year	54,393,192	(4,933,574)

Significant reasons for these changes include the following:

- The return on the actuarial value of assets since the prior valuation was greater than expected, which reduced the minimum funding requirement and the funding shortfall.
- The plan's effective interest rate increased 84 basis points compared to the prior year, which reduced the minimum funding requirement and the funding shortfall. This change includes an increase of 161 basis points due to reflecting the interest rate corridors under MAP-21.
- The required mortality table used to value the funding target and target normal cost was updated to include one additional year of projected mortality improvements, which increased the minimum funding requirement and the funding shortfall.
- The long-term cash balance interest crediting rate was changed from 5.25% to 4.50%, which decreased the minimum funding requirement.
- Assumed plan-related expenses of \$4,427,981 (compared to \$15,915,985 for plan year 2011) were added to the target normal cost, which decreased the minimum funding requirement. Beginning in 2012 and per updated guidance regarding expenses, investment expenses will no longer be added to the target normal cost.

Funding Ratios

The Pension Protection Act of 2006 (PPA) defines several Funding Ratios. All of these ratios are based on a ratio of plan assets to plan liabilities, but the assets and liabilities are defined differently for different purposes. Depending on the purpose, the assets may be market value or, if different, a smoothed actuarial value of assets, and may be reduced by the prefunding balance or all funding balances, and the liabilities may be based on the funding target, funding target disregarding at-risk assumptions, or the funding target calculated using at-risk assumptions (see the At-Risk section below for a discussion of at-risk assumptions).

Following are the key funding ratios and their implications for the 2012 or 2013 plan years.

Purpose of Ratio	Percent	Threshold	Implications
January 1, 2011 Funding Ratios			
Use of the funding balances to satisfy 2012 Minimum Required Contribution (MRC)	92.94%	80%	If >= threshold, the funding balances can be used to satisfy 2012 MRC
Quarterly contribution exemption test for 2012	85.05%	100%	If < threshold, quarterly contributions are required for 2012
At-risk for 2012	85.05%	80%	If >= threshold, plan is not at risk in 2012
January 1, 2012 Funding Ratios			
Use of the funding balances to satisfy 2013 MRC	105.93%	80%	If >= threshold, the funding balances can be used to satisfy 2013 MRC
Quarterly contribution exemption test for 2013	100.12%	100%	If < threshold, quarterly contributions are required for 2013
At-risk Test for 2013	100.12%	80%	If >= threshold, plan is not at risk in 2013
PBGC 4010 filing in 2013	85.64%	80%	If >= threshold, this plan does not trigger a 4010 filing in 2013
PBGC variable premium for 2012	100.19%	100%	If > threshold, PBGC variable premiums are not required in 2012
Exempt from establishing SAB – prefunding balance applied to 2012 MRC	105.93%	100%	If < threshold, if prefunding balance is applied to 2012 MRC, new Shortfall Amortization Base (SAB) is created
Exempt from establishing SAB – prefunding balance not applied to 2012 MRC	114.60%	100%	If < threshold, if prefunding balance is not applied to 2012 MRC, new Shortfall Amortization Base (SAB) is created
Eliminate SABs	100.12%	100%	If > threshold, Shortfall Amortization Bases are eliminated

Benefit Limitations

Note that this report is not intended to constitute a certification of the AFTAP under IRC §436 for any plan year. The AFTAP for the plan year beginning January 1, 2012 was previously certified on March 29, 2012 to be 85.64%. This AFTAP may be changed by subsequent events.

Under the PPA, a plan may become subject to various benefit limitations if its funded status falls below certain thresholds.

If the AFTAP is below 60%, plans are prohibited from paying lump sums or other accelerated forms of distribution. If the AFTAP is at least 60% but less than 80%, the amounts which can be paid are limited. In addition, lump sums to the 25 highest paid employees may be restricted if a plan's AFTAP is below 110%. These limitations do not apply to mandatory lump sum cash-outs of \$5,000 or less. In addition, plans which were completely frozen before September 2005 are exempt from the restrictions on lump sums and other accelerated forms of distribution.

If the AFTAP is below 60%, benefit accruals must cease, amendments to improve benefits cannot become effective, and plant shutdown benefits and other Unpredictable Contingent Event Benefits (UCEBs) cannot be paid without being fully paid for. In addition, if the AFTAP would be below 80% reflecting a proposed amendment, the plan amendment cannot take effect unless actions are taken to increase plan assets.

To avoid these benefit limitations, a plan sponsor may take a variety of steps, including reducing the funding balances, contributing additional amounts to the plan for the prior plan year, contributing special "designated IRC §436 contributions" for the current plan year, or providing security outside the plan. Not all of these approaches are available for all of the restrictions discussed above. For example, restrictions on accelerated distributions cannot be avoided by making designated IRC §436 contributions.

Current Implications of AFTAP for 2012 Plan Year

We believe that the certified AFTAP of 85.64% for the 2012 plan year has the following implications for benefit limitations described in IRC §436. American Electric Power should review and confirm these conclusions with ERISA counsel:

- Benefit accruals called for under the plan without regard to IRC §436 must continue.
- Accelerated distributions called for under the plan without regard to IRC §436 must continue in full.
- Amendments that increase benefits must be evaluated at the time they would become effective to determine if they are permissible.
- Plant shutdown and other UCEBs must be evaluated at the time they would become effective to determine if they are permissible.

Implications of 2012 AFTAP for Presumptions in Next Plan Year

Because the AFTAP for the 2012 plan year is at least 80% but less than 90%, the presumed AFTAP for the 2013 plan year would decline 10% on April 1, 2013, if the 2013 plan year AFTAP has not yet been certified. Based on our understanding of the application of IRC §436 to the American Electric Power System Retirement Plan, as described above, we believe this decline in presumed AFTAP would cause accelerated distributions to be partially restricted. American Electric Power should confirm these effects with counsel. Note, however, that adoption of plan amendments and/or payment of UCEBs may change this result. We recommend that you consult with ERISA counsel concerning plan amendments.

PBGC Reporting Requirements

Certain financial and actuarial information (i.e., a "4010 filing") must be provided to the PBGC if the Funding Target Attainment Percentage (FTAP) is less than 80% for any plan in the contributing sponsor's controlled group. However, this reporting requirement may be waived for controlled groups with no more than \$15 million in aggregate unfunded vested benefits. Note that the segment interest rate corridors of MAP-21 do not apply for purposes of either (i) determining the FTAP for PBGC premium purposes, or (ii) determining whether there is \$15 million in aggregate unfunded vested benefits in the controlled group.

The FTAP ignoring the interest corridors under MAP-21 for 2012 is 85.64%. In addition, we understand that American Electric Power System Retirement Plan is the only pension plan within American Electric Power's controlled group. As a result, no 4010 filing is expected to be required for 2012 as a result of the plan's funded status. However, a filing may be required if there are outstanding funding waivers or missed contributions within the controlled group.

At-Risk Status

As defined in the PPA, the plan is not in at-risk status for the 2012 plan year, because the plan's FTAP for the 2011 plan year was at least 80%.

As defined in the PPA, the plan will not be in at-risk status for the 2013 plan year, because the plan's FTAP for the 2012 plan year is at least 80%. AEP elected to reflect MAP-21 for At-Risk purposes.

When a plan is in at-risk status:

- The plan is subject to potentially higher minimum contribution requirements. The funding target and target normal cost for purposes of determining the minimum required contribution must be measured reflecting certain mandated assumptions ("at-risk assumptions"). Specifically, participants eligible to retire within the next 11 years must be assumed to retire immediately when first eligible (but not before the end of the current year), and all participants must be assumed to elect the most valuable form of payment available when they begin receiving benefits. In addition, plans that have been at-risk in past years may also be required to increase the funding target and target normal cost for prescribed assumed expenses. The net effect of these assumptions and expense adjustments in most cases is to increase required contributions and PBGC variable premiums.
- The plan sponsor must indicate in the annual funding notice for the plan that the plan is at-risk and disclose additional at-risk funding targets, and
- Immediate taxation of non-qualified pension or deferred compensation for certain employees may occur if the plan sponsor is a public company. This may result when non-qualified pension or deferred compensation for such employees is funded during a period when a plan sponsored by the plan sponsor or another member of the plan sponsor's controlled group is in at-risk status.

Pension Cost and Funded Position

The cost of the pension plan is determined in accordance with generally accepted accounting principles in the U.S. ("U.S. GAAP"). The fiscal 2012 pension cost for the plan is \$122,179,275 or 7.9% of covered pay.

Under U.S. GAAP, the funded position (fair value of plan assets less the projected benefit obligation, or "PBO") of each pension plan at the plan sponsor's fiscal year-end (measurement date) is required to be reported as an asset (for overfunded plans) or a liability (for underfunded plans). The PBO is the actuarial present value of benefits attributed to service rendered prior to the measurement date, taking into consideration expected future pay increases for pay-related plans. The plan's overfunded (underfunded) PBO as of January 1, 2012 was \$(595,255,524), based on the fair value of plan assets of \$4,319,006,165 and the PBO of \$4,914,261,689.

Fiscal year-end financial reporting information and disclosures are prepared before detailed participant data and full valuation results are available. Therefore, the funded position at December 31, 2011 was derived from a roll forward of the January 1, 2011 valuation results, adjusted for the year-end discount rate, changes in other key assumptions and asset values, as well as significant changes in plan provisions and participant population. The fiscal year-end financial reporting information will be developed based on the results of the valuation, projected to the end of 2012 and similarly adjusted for the year-end discount rate and asset values, as well as significant changes in plan provisions and participant population.

Change in Pension Cost and Funded Position

The pension cost increased from \$110,033,327 in fiscal 2011 to \$122,179,275 in fiscal 2012 and the funded position improved from \$(835,160,632) to \$(595,255,524), as set forth below:

All monetary amounts shown in US Dollars

	Pension Cost	Funded Position
Prior year	110,033,327	(835,160,632)
Change due to:		
▶ Expected based on prior valuation and contributions during prior year	(51,360,796)	459,814,531
▶ Unexpected noninvestment experience	7,036,022	(3,074,352)
▶ Unexpected investment experience	36,419,358	(27,806,869)
▶ Assumption changes	20,050,564	(189,028,202)
▶ Plan amendments	0	0
▶ Method change	0	0
▶ Interim events	0	0
Current year	122,179,275	(595,255,524)

Significant reasons for these changes include the following:

- The return on the fair value of plan assets since the prior measurement date was less than expected, which worsened the funded position.
- The return on the market-related value of plan assets, which reflects gradual recognition of asset gains and losses over the past five years, was less than expected, which increased the pension cost.
- Contributions to the plan during the prior year reduced the pension cost and improved the funded position.
- The discount rate declined 50 basis points compared to the prior year, which increased the pension cost and caused the funded position to deteriorate.
- The mortality and interest rates used to convert to different forms of payment were updated, which increased the pension cost and worsened the funded position.
- The mortality used to develop benefit obligations was updated for an additional year of mortality improvements which increase the pension cost and worsened the funded position.
- The long-term cash balance interest crediting rate was changed from 5.25% to 4.50%, which decreased the pension cost and improved the funded position.

Basis for Valuation

Appendix A summarizes the assumptions and methods used in the valuation. Appendix B summarizes the principal provisions of the plan being valued.

Changes in Assumptions

The discount rate decreased from 5.05% to 4.55%.

The mortality table used to value the benefit obligations was updated from the RP2000 with projections to 2018 for annuitants and to 2026 for nonannuitants to RP2000 with projections to 2019 for annuitants and to 2027 for nonannuitants.

The mortality used to convert to 417(e) based forms of payment was updated for an additional year of mortality improvements.

The interest rates used to calculate the funding target and funding target normal cost were updated to reflect the interest rate corridors of MAP-21 as elected by the plan sponsor.

The long-term cash balance interest crediting rate was changed from 5.25% to 4.50%.

Beginning in 2012 and per updated guidance regarding expenses, investment expenses will no longer be added to the target normal cost.

Changes in Methods

None.

Changes in Benefits Valued

None.

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Section 2: Actuarial Exhibits

2.1 Summary of Liabilities for Funding Purposes

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2012	January 1, 2011
A Funding Target		
1 Number of consecutive years at-risk	0	0
2 Funding target		
a Active employees – non-vested benefits	41,529,674	61,102,233
b Active employees – vested benefits	1,343,713,475	1,424,558,836
c Participants with deferred benefits	284,120,904	372,951,022
d Participants receiving benefits	2,152,473,243	2,318,631,789
e Total funding target	3,821,837,296	4,177,243,880
3 Target normal cost (including expenses)	59,326,765	75,082,044

2.2 Change in Plan Assets During Plan Year

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2011
A Reconciliation of Market Value of Assets	
1 Market value of assets at January 1, 2011 (including discounted contributions receivable)	4,014,062,294
2 Discounted contributions receivable at January 1, 2011	145,450,869
3 Market value of assets at January 1, 2011 (excluding contributions receivable)	3,868,611,425
4 Employer contributions	
a For prior plan year	150,000,000
b For current plan year	300,000,000
c IRC §436 contributions for current plan year	0
d Total	450,000,000
5 Employee contributions	0
6 Benefit payments	(286,758,330)
7 Administrative expenses paid by plan	(4,561,631)
8 Transfers from/(to) other plans	0
9 Investment return	291,714,701
10 Market value of assets at January 1, 2012 (excluding contributions receivable)	4,319,006,165
11 Discounted contributions receivable at January 1, 2012	95,988,429
12 Market value of assets at January 1, 2012 (including discounted contributions receivable)	4,414,994,594
B Rate of Return on Invested Assets using Time-Weighted Transactions (i.e., for crediting unused funding balances)	
1 Rate of return	7.99%

C Discounted Receivable Contributions at January 1, 2012

Date	Prior Year Contributions	Discounted Value at January 1, 2012
September 12, 2012	100,000,000	95,988,429

2.3 Development of Actuarial Value of Assets

AEP elected a smoothing method that uses seven monthly data points to calculate the AVA.

All monetary amounts shown in US Dollars

Plan Year Beginning					January 1, 2012
Development of AVA					
<u>Month</u>	<u>Expenses</u>	<u>Benefit Payments</u>	<u>Contributions</u>	<u>Fair Value at Beginning of Month</u>	
July 2011	1,000,886	23,273,851	75,000,000	3,986,353,477	
August 2011	2,942,474	23,680,424	0	4,058,999,396	
September 2011	475,580	23,537,480	0	3,945,132,874	
October 2011	2,497,274	22,388,053	0	3,851,847,674	
November 2011	1,719,713	23,224,987	300,000,000	4,050,800,445	
December 2011	837,132	22,924,571	0	4,263,491,461	
AVA with receivables					
A	Preliminary Actuarial Value of Assets before Corridor as of January 1, 2012				
	1 Monthly asset values adjusted for expenses and benefit payments rolled forward to January 1, 2012 (including discounted rates of contributions receivable from C above)				
	<u>Month</u>				<u>Asset value</u>
	a July 2011				4,437,080,566
	b August 2011				4,437,953,436
	c September 2011				4,329,327,091
	d October 2011				4,239,267,159
	e November 2011				4,442,812,807
	f December 2011				4,358,189,259
	g January 2012				4,414,994,594
	h Average of monthly asset values				4,379,946,416
	2 Preliminary Actuarial Value of Assets and before application of corridor				4,379,946,416
B	Lower Bound of Corridor (90% of A12 from prior page)				3,973,495,134
C	Upper Bound of Corridor (110% of A12 from prior page)				4,856,494,052
	Actuarial Value of Assets as of January 1, 2012				
D	(A2 but not smaller than B nor larger than C)				4,379,946,416

2.4 Calculation of Minimum Required Contribution

All monetary amounts shown in US Dollars

Reconciliation of Funding Balances as of January 1, 2012				
	Funding Standard Carryover Balance	Prefunding Balance	Total	
A Determination of Funding Balances				
1	Funding balance as of January 1, 2011	329,649,337	0	329,649,337
2	Amount used to offset prior year minimum required contribution ¹	(124,047,879)	0	(124,047,879)
3	Adjustment for investment experience	16,427,556	0	16,427,556
4	Amount of additional prefunding balance created by election	0	331,146,532	331,146,532
5	Amount of funding balance reduction for current year by election or deemed election	0	0	0
6	Funding balance as of January 1, 2012	222,029,014	331,146,532	553,175,546

Plan Year Beginning		January 1, 2012
B Calculation of Minimum Required Contribution		
1	Target normal cost	59,326,765
2	Funding surplus	(4,933,573)
3	Net shortfall amortization installment	0
4	Waiver amortization installment	0
5	Minimum funding requirement	54,393,192
6	Funding balance available	553,175,546
7	Remaining cash requirement (assuming sponsor elects full use of the available funding balances)	0

The minimum required contribution is determined as of the plan's valuation date. Any payment made on a date other than the valuation date must be adjusted for interest using the plan's effective interest rate of 6.90%.

Additional details regarding the calculation of the minimum required contribution may be obtained from the Form 5500 Schedule SB filings and attachments.

¹ Net of revoked excess application of funding balance, if any

2.5 Calculation of Estimated Maximum Deductible Contribution

All monetary amounts shown in US Dollars

Based on Plan Year	2012
A Basic Maximum	
1 Funding target	4,467,943,379
2 Target normal cost	66,307,724
3 Actuarial Value of Assets	4,379,946,416
4 50% of funding target	2,233,971,689
5 Additional funding target for future compensation or benefit increases	72,723,012
6 Basic maximum deductible contribution [1+2+4+5]	6,840,945,804
B Minimum Required Contribution¹	194,320,826
C Estimated Maximum Deductible Contribution (maximum of B and A.6 less A.3)	2,460,999,388

The estimated maximum deductible contribution applies to the tax year in which the plan year ends, and is based on our understanding of IRC §404(a)(1). Regulatory guidance from the IRS/Treasury is pending. Allocations of costs to inventory have not been considered, and amounts deductible under state law may differ. Deductibility can be influenced by timing of contributions, differences between fiscal year and plan year, and differences (if any) between the years to which prior contributions were assigned for minimum funding purposes and the years in which they were deducted. Our results have not been adjusted for non-deducted contributions included in the valuation assets. We recommend that the plan sponsor review with tax counsel the tax-deductibility of all contributions as Towers Watson does not provide legal or tax advice.

This limit has been determined without regard to the special rule of IRC §404(o)(2)(B) providing a potentially higher maximum deduction based on at-risk assumptions, which is available for plans that are not at risk.

¹ Ignores interest rate corridors of MAP-21.

2.6 ASC 960 (Plan Accounting) Information

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2012
A Present Value of Accumulated Benefits	
1 Vested accumulated benefits	
a Active employees	1,326,739,924
b Participants with deferred benefits	277,156,654
c Participants receiving benefits	2,084,888,427
d Total vested accumulated benefits	3,688,785,005
2 Non-vested accumulated benefits	43,012,988
3 Total accumulated benefits	3,731,797,993
4 Market value of assets ¹	4,419,006,165
B Reconciliation of Present Value of Accumulated Benefits	
1 Present value of accumulated benefits as of January 1, 2011	3,602,119,552
2 Changes during the year due to:	
a Benefits accumulated	51,320,012
b Actuarial (gains)/losses	(13,236,009)
c Decrease in the discount period	268,259,714
d Actual benefits paid	(286,758,330)
e Assumption changes	110,093,054
f Plan amendments	0
g Net increase/(decrease)	129,678,441
3 Present value of accumulated benefits as of January 1, 2012	3,731,797,993
C Key Assumptions	
1 Discount rate	7.25%
2 Cash balance crediting rate	4.50%
3 Rate of compensation increase	Rates vary by age from 3.5% to 11.5%

¹ Assets may include accrued contributions for the current plan year not yet deposited on the current valuation date.

2.7 Pension Obligations and Funded Position Under U.S. GAAP (ASC 715)

All monetary amounts shown in US Dollars

Measurement Date	January 1, 2012	January 1, 2011
A Obligations		
Accumulated Benefit Obligation (ABO)		
1 Active employees	1,855,056,959	1,706,399,603
2 Participants with deferred benefits	394,575,151	435,222,869
3 Participants receiving benefits	2,565,257,262	2,490,275,320
4 Total ABO	4,814,889,372	4,631,897,792
5 Future salary increases	99,372,317	71,874,265
6 Projected benefit obligation (PBO)	4,914,261,689	4,703,772,057
B Assets		
1 Fair value [FV]	4,319,006,165	3,868,611,425
2 Investment losses (gains) not yet in market-related value	91,990,332	277,540,665
3 Market-related value	4,410,996,497	4,146,152,090
C Funded Position		
1 Overfunded (underfunded) PBO	(595,255,524)	(835,160,632)
2 PBO funded percentage	87.9%	82.2%
D Amounts in Accumulated Other Comprehensive Income		
1 Prior service cost (credit)	8,876,014	9,560,672
2 Net actuarial loss (gain)	2,163,034,523	2,062,287,969
3 Total	2,171,910,537	2,071,848,641
E Key Assumptions		
1 Discount rate	4.55%	5.05%
2 Cash balance crediting rate	4.50%	5.25%
3 Rate of compensation increase	Rates vary by age from 3.5% to 11.5%	Rates vary by age from 3.5% to 11.5%
F Census Date	January 1, 2012	January 1, 2011

The results above may differ from the amounts disclosed in American Electric Power's 2011 financial statements because disclosures are prepared before the corresponding valuation results are available.

2.8 Pension Cost Under U.S. GAAP (ASC 715)

All monetary amounts shown in US Dollars

Fiscal Year Ending	December 31, 2012	December 31, 2011
A Pension Cost		
1 Service cost	75,709,045	71,900,761
2 Interest cost	219,570,788	233,244,647
3 Expected return on assets	(318,756,058)	(314,959,939)
4 Net prior service cost/(credit) amortization	(1,532,165)	684,658
5 Net loss/(gain) amortization	147,187,665	119,163,200
6 Net periodic pension cost/(income)	122,179,275	110,033,327
B Key Assumptions¹		
1 Discount rate	4.55%	5.05%
2 Rate of return on assets	7.25%	7.75%
3 Cash balance crediting rate	4.50%	5.25%
4 Rate of compensation increase	Rates vary by age from 3.5% to 11.5%	Rates vary by age from 3.5% to 11.5%
C Census Date	January 1, 2012	January 1, 2011

¹ These assumptions were used to calculate Net Periodic Pension Cost/(Income) as of the beginning of the year. For other assumptions used, as well as assumptions used for interim remeasurements, if any, refer to Appendix A.

2.9 Development of Market-Related Value of Assets under U.S. GAAP (ASC 715)

All monetary amounts shown in US Dollars

Fiscal Year Ending		December 31, 2012		
Market-Related Value of Assets as of January 1, 2012				
1	Fair value of assets as of January 1, 2012			4,319,006,165
2	Deferred investment gains/(losses) for prior periods			
	Fiscal Year	Loss/(Gain)	Percent Deferred	Deferred Amount
	a 2011	10,601,513	80.000%	8,481,210
	b 2010	(162,738,544)	60.000%	(97,643,126)
	c 2009	(244,425,390)	40.000%	(97,770,156)
	d 2008	1,394,612,021	20.000%	278,922,404
	e Total			91,990,333
3	Market-Related Value of Assets			4,410,996,497

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Section 3: Participant Data

3.1 Summary of Plan Participants

All monetary amounts shown in US Dollars

Census Date	January 1, 2012	January 1, 2011	
A Active Employees			
1 Number	18,056	18,141	
2 Expected plan compensation for year beginning on the valuation date (limited by IRC §401(a)(17))	1,543,088,651	1,473,989,127	
3 Average plan compensation	85,461	81,252	
4 Average age	46.3	45.6	
5 Average credited service	16.8	16.0	
6 Total accrued benefits (cash balance)	1,586,368,748	1,466,039,423	
7 Average accrued benefits (cash balance)	87,858	80,814	
B Participants with Deferred Benefits			
1 Number	6,077	6,283	
2 Total annual pension (non-cash balance)	34,295,063	37,386,914	
3 Average annual pension (non-cash balance)	7,712	8,330	
4 Total cash balance	129,672,074	177,760,083	
5 Average cash balance	79,553	99,031	
6 Average age	54.2	53.9	
Age	Number	Annual benefit	Average annual benefit
Under 40	18	368,364	20,465
40-44	75	514,800	6,864
45-49	496	3,044,440	6,138
50-54	1,266	8,740,676	6,904
55-59	1,435	11,593,208	8,079
60-64	1,068	9,289,448	8,698
65 and over	89	744,100	8,360
Total	4,447	34,295,063	7,712
Age	Number	Cash balance	Average cash balance
Under 40	256	3,378,275	13,196
40-44	123	3,512,188	28,554
45-49	234	10,376,500	44,344
50-54	380	24,744,431	65,117
55-59	340	39,710,299	116,795
60-64	239	38,697,475	161,914
65 and over	58	9,252,906	159,533
Total	1,630	129,672,074	79,553

C Participants Receiving Benefits

1 Number	16,262	16,307
2 Total annual pension	234,664,371	240,652,753
3 Average annual pension	14,430	14,758
4 Average age	73.5	73.3

<i>Age</i>	<i>Number</i>	<i>Annual benefit</i>	<i>Average annual benefit</i>
Under 55	93	428,104	4,603
55-59	784	13,536,944	17,267
60-64	2,436	47,619,904	19,548
65-69	3,061	43,329,721	14,155
70-74	2,640	33,076,685	12,529
75-79	2,444	35,390,685	14,481
Over 79	4,804	61,282,329	12,757
Total	16,262	234,664,371	14,430

3.2 Participant Reconciliation

Participant Reconciliation				
	Active	Deferred Inactive	Currently Receiving Benefits	Total
1. Included in January 1, 2011 valuation	18,141	6,283	16,307	40,731
2. Change due to:				
a. New hire and rehire	594	0	0	594
b. Non-vested termination	(110)	0	0	(110)
c. Vested termination	(210)	210	0	0
d. Retirement	(67)	(402)	469	0
e. Disability	(93)	93	0	0
f. Death without beneficiary	(10)	(11)	(526)	(547)
g. Death with beneficiary	(2)	(7)	9	0
h. Cashout	(220)	(321)	(2)	(543)
i. Miscellaneous	33	232	5	270
j. Net change	(85)	(206)	(45)	(336)
3. Included in January 1, 2012 valuation	18,056	6,077	16,262	40,395

3.3 Age and Service Distribution of Participating Employees

Attained Age	Years Of Credited Service														
	Under 1			1 to 4			5 to 9			10 to 14			15 to 19		
	No.	Average		No.	Average		No.	Average		No.	Average		No.	Average	
		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.
<25	2			330	54,702	3,777	26	59,129	7,566						
25 to 29	3			822	66,497	6,183	463	72,163	12,400	6					
30 to 34	4			690	69,448	7,459	708	77,375	16,257	241	82,921	28,435	2		
35 to 39	1			583	73,981	9,258	627	79,856	20,208	448	84,996	36,078	122	92,051	51,751
40 to 44	1			477	74,082	11,139	505	80,729	23,872	448	90,467	45,317	313	93,203	65,989
45 to 49				304	75,267	12,792	392	83,037	28,514	435	88,724	52,465	307	88,156	75,076
50 to 54				236	75,984	14,094	282	83,465	32,046	312	87,930	60,306	259	87,611	88,589
55 to 59	3			164	73,055	15,031	181	87,488	38,092	211	90,026	71,157	135	85,567	103,824
60 to 64	1			75	74,855	17,171	96	83,880	41,264	95	87,257	72,625	60	83,065	111,802
65 to 69				8			22	113,300	68,310	29	94,689	84,945	9		
>70							4			5			1		

Note: Chart formatted to comply with instructions for Schedule SB of the 2011 Form 5500.

Attained Age	Years Of Credited Service														
	20 to 24			25 to 29			30 to 34			35 to 39			40 & up		
	No.	Average		No.	Average		No.	Average		No.	Average		No.	Average	
		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.
<25															
25 to 29															
30 to 34															
35 to 39	4														
40 to 44	271	96,868	84,579	9											
45 to 49	717	96,380	102,812	644	94,001	125,372	78	88,528	141,194						
50 to 54	521	89,066	115,798	994	96,761	153,107	1,345	93,236	177,338	67	87,187	186,349			
55 to 59	328	87,969	136,013	497	94,554	178,021	1,008	97,344	216,597	456	93,320	236,918	15		
60 to 64	102	82,785	149,112	140	92,974	200,585	170	97,056	246,822	121	105,209	296,856	76	96,454	336,156
65 to 69	9			12			7			5			10		
>70	1												1		

Note: Chart formatted to comply with instructions for Schedule SB of the 2011 Form 5500.

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Appendix A : Statement of Actuarial Assumptions and Methods

Actuarial Assumptions and Methods — Contributions

Economic Assumptions

Interest rate basis:

- ▶ Applicable month (published) October 2011
- ▶ Yield curve basis Segment rates
- ▶ MAP-21 applied for funding Yes
- ▶ MAP-21 applied for benefit restrictions Yes

Funding interest rates:

	Reflecting Corridors	Not Reflecting Corridors
▶ First segment rate	5.54%	2.03%
▶ Second segment rate	6.85%	5.20%
▶ Third segment rate	7.52%	6.30%
▶ Effective interest rate	6.90%	5.29%

Annual rates of increase

- ▶ Compensation:

	<i>Age</i>	<i>Rate</i>
– Representative rates	< 26	11.50%
	26 – 30	9.50%
	31 – 35	7.50%
	36 – 40	6.50%
	41 – 45	5.00%
	46 – 50	4.00%
	> 50	3.50%
- Weighted average 4.85%
- ▶ Cash balance crediting rate 4.50%
- ▶ Lump sum/annuity conversion rate October 2011 segment rates
- ▶ Future Social Security wage bases 4.00%
- ▶ Statutory limits on compensation N/A

Demographic Assumptions

Inclusion Date The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

- ▶ **Healthy** Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA.
- ▶ **Disabled** Post-1994 current liability disabled
- ▶ **Lump sum/annuity conversion** Applicable 417(e) IRS Mortality Table

Termination Rates varying by age and service:

Attained Age	Percentage leaving during the year	
	Less than five years of service	Five or more years of service
< 25	8.00%	8.00%
25 – 29	8.00%	6.00%
30 – 34	8.00%	5.00%
35 – 39	8.00%	3.00%
40 – 49	8.00%	2.50%
> 49	8.00%	4.00%

Disability Rates apply to employees not eligible to retire and vary by age and sex as indicated by the following sample values:

Age	Percentage becoming disabled during the year	
	Male	Female
20	0.060%	0.090%
30	0.060%	0.090%
40	0.074%	0.110%
50	0.178%	0.267%
60	0.690%	1.035%

Retirement Rates varying by age; average retirement age 61:

Percentage retiring during the year	
Age	Rate
55-57	7.00%
58-60	10.00%
61-63	25.00%
64-65	50.00%
66-69	25.00%
70+	100.00%

Benefit commencement date:

- ▶ Preretirement death benefit The later of the death of the active participant or the date the participant would have attained age 55.
- ▶ Deferred vested benefit The later of age 55 or termination of employment.
- ▶ Disability benefit Upon disablement.
- ▶ Retirement benefit Upon termination of employment.

Form of payment

40% lump sum; 60% annuity for retirement eligible East grandfathered participants and 75% lump sum; 25% annuity for all other participants. Married participants are assumed to elect the 50% joint and survivor annuity and unmarried participants are assumed to elect the single life annuity. No other optional form of payment election is assumed.

Percent married

80% of male participants; 70% of female participants.

Spouse ages

Wives are assumed to be three years younger than husbands.

Valuation pay

2012 base salary pay (Grandfathered) – estimated as 2011 base pay updated one year according to the salary increase assumption.

2012 expanded pay (Cash Balance) – sum of the following updated one year according to the salary increase assumption:

- (i) 2011 base salary
- (ii) a 15% increase for overtime eligible employees and a target bonus percent increase for incentive-eligible employees

At-risk assumptions

If at-risk calculations are required, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually a joint and survivor form of payment.

Timing of benefit payments

Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Methods

Valuation date	First day of plan year.
Funding target	Present value of accrued benefits.
Target normal cost	Present value of benefits expected to accrue during plan year plus plan-related expenses expected to be paid from the trust (based on actual trust expenses paid in previous year, adjusted by the difference between the prior and expected current year PBGC premiums).
Actuarial value of assets	<p>Average of the fair market value of assets on the valuation date and the six immediately preceding months, adjusted for contributions, benefit/expense payments and expected investment returns. The average asset value must be within 10% of fair value, including contributing receivable. The method of computing the actuarial value of assets complies with rules governing the calculation of such values under PPA.</p> <p>These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a bias to produce an actuarial value of assets that is below the market value of assets.</p>
Benefits Not Valued	<p>All benefits were valued except:</p> <ul style="list-style-type: none"> – Any liabilities that may be reinstated in the event of reemployment – The alternate benefit formula for members who did not elect to withdraw their employee contributions – Any liabilities relating to members' unwithdrawn employee contributions – Liabilities related to special benefits as a result of termination due to downsizing and restructuring
Change in Assumptions and Methods Since Prior Valuation	<p>The interest rates used to calculate the funding target, target normal cost and to convert 417(e) based forms of payments were updated from the segment rates as of October 2010 to the segment rates as of October 2011.</p> <p>The required mortality table used to value the funding target and target normal cost was updated to include one additional year of projected mortality improvements.</p> <p>Assumed plan-related expenses of \$4,427,981 were added to the target normal cost. Beginning in 2012, investment expenses will no longer be added to the target normal cost.</p> <p>The long-term cash balance interest crediting rate was changed from 5.25% to 4.50%.</p> <p>The segment rates used to determine minimum funding requirements and benefit restrictions were revised by applying the interest rate corridors of MAP-21.</p>

Data Sources

Towers Watson used participant and asset data as of January 1, 2012, supplied by AEP. Data were reviewed for reasonableness and consistency, but no audit was performed. Assumptions or estimates were made by Towers Watson actuaries when data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

2. Assumptions and Methods for Pension Cost Purposes

Actuarial Assumptions and Methods — Pension Cost

Economic Assumptions

Discount rate		4.55%
Return on assets*		7.25%
Annual rates of increase		
▶ Compensation:		
	<i>Age</i>	<i>Rate</i>
– Representative rates		
	< 26	11.50%
	26 – 30	9.50%
	31 – 35	7.50%
	36 – 40	6.50%
	41 – 45	5.00%
	46 – 50	4.00%
	> 50	3.50%
– Weighted average		4.85%
▶ Cash balance crediting rate		4.50%
▶ Lump sum/annuity conversion rate		6.25%
▶ Future Social Security wage bases		4.00%
▶ Statutory limits on compensation		3.00%

The return on assets shown above is net of investment expenses and administrative expenses assumed to be paid from the trust.

* Also used as discount rate for plan accounting (ASC 960) purposes.

Demographic Assumptions

Inclusion Date The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

▶ **Healthy** Separate rates for (1) non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA and (2) annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA.

▶ **Disabled** RP2000 disabled retiree, no projection.

▶ **Lump sum/annuity conversion** Applicable 417(e) IRS Mortality Table

Termination Rates varying by age and service

Attained Age	Percentage leaving during the year	
	Less than five years of service	Five or more years of service
< 25	8.00%	8.00%
25 – 29	8.00%	6.00%
30 – 34	8.00%	5.00%
35 – 39	8.00%	3.00%
40 – 49	8.00%	2.50%
> 49	8.00%	4.00%

Disability

Rates apply to employees not eligible to retire and vary by age and sex as indicated by the following sample values:

Age	Percentage becoming disabled during the year	
	Male	Female
20	0.060%	0.090%
30	0.060%	0.090%
40	0.074%	0.110%
50	0.178%	0.267%
60	0.690%	1.035%

Retirement Rates varying by age; average retirement age 61:

Percentage retiring during the year	
Age	Rate
55-57	7.00%
58-60	10.00%
61-63	25.00%
64-65	50.00%
66-69	25.00%
70+	100.00%

Benefit commencement date:

- ▶ Preretirement death benefit The later of the death of the active participant or the date the participant would have attained age 55.
- ▶ Deferred vested benefit The later of age 55 or termination of employment.
- ▶ Disability benefit Upon disablement.
- ▶ Retirement benefit Upon termination of employment.

Form of payment 40% lump sum; 60% annuity for retirement eligible East grandfathered participants and 75% lump sum; 25% annuity for all other participants. Married participants are assumed to elect the 50% joint and survivor annuity and unmarried participants are assumed to elect the single life annuity. No other optional form of payment election is assumed.

Percent married 80% of male participants; 70% of female participants.

Spouse ages Wives are assumed to be three years younger than husbands.

Valuation pay 2012 base salary pay (Grandfathered) – not estimated due to freeze of final average pay accruals at December 31, 2010.

2012 expanded pay (Cash Balance) – sum of the following updated one year according to the salary increase assumption:

- (i) 2011 base salary
- (ii) a 15% increase for overtime eligible employees and a target bonus percent increase for incentive-eligible employees

Administrative expenses Discount rate is net of expenses paid by the trust.

Timing of benefit payments Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Methods

Service cost and projected benefit obligation	Projected unit credit
Market-related value of assets	<p>The market value on the valuation date less the following percentages of prior years' investment gains and losses:</p> <ul style="list-style-type: none"> – 80% of the prior year – 60% of the second prior year – 40% of the third prior year – 20% of the fourth prior year <p>The investment gain or loss is calculated each year by:</p> <ul style="list-style-type: none"> – Rolling forward the prior year's fair value of assets with actual contributions, benefit payments and expected return on investments using the long-term yield assumption – Comparing the actual fair value of assets to the expected value calculated above.
Benefits not valued	<p>All benefits were valued except:</p> <ul style="list-style-type: none"> – Any liabilities that may be reinstated in the event of reemployment – The alternate benefit formula for members who did not elect to withdraw their employee contributions – Any liabilities relating to members' unwithdrawn employee contributions – Liabilities related to special benefits as a result of termination due to restructuring or downsizing
Change in assumptions and methods since prior valuation	<p>The discount rate was decreased from 5.05% to 4.55%.</p> <p>The mortality table used to value the benefit obligations was updated from the RP2000 with projections to 2018 for annuitants and to 2026 for nonannuitants to RP2000 with projections to 2019 and 2027, respectively.</p> <p>The mortality table used for lump sum/annuity conversions was updated for an additional year of mortality improvements.</p> <p>The expected return on assets was decreased from 7.75% to 7.25%.</p> <p>The long-term cash balance interest crediting rate was changed from 5.25% to 4.50%.</p>
Data Sources	<p>Towers Watson used participant and asset data as of January 1, 2012, supplied by AEP. Data were reviewed for reasonableness and consistency, but no audit was performed. Assumptions or estimates were made by Towers Watson actuaries when data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.</p>

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Appendix B : Summary of Plan Provisions Covered by the Former East Retirement Plan

Plan Provisions

Plan provisions may not be the same for the Accounting and Funding valuations.

Effective Date	May 1, 1955. Restated effective January 1, 2012.
Recent Amendments	Executed as of January 1, 2012.
Covered Employees	Employees become Members of the Plan on the first day of the month following completion of one year of service.
Participation Date	Date of becoming a covered employee.

Definitions

Grandfathered employee	If, on December 31, 2000, either: <ul style="list-style-type: none"> – Participating in AEP System Retirement Plan, or – In one-year waiting period for AEP System Retirement Plan participation.
Vesting service	A period of time from employment date to termination date and, in general, includes periods of severance that are not in the excess of 12 months.
Accredited service	Elapsed time from date of hire (from benefit service start date). For purposes of determining the monthly grandfathered benefit, no accredited service after shall be considered after December 31, 2010.
Cash balance pay	Pay received during the year, including base pay, overtime, shift differential/Sunday premium pay and incentive pay, subject to IRS limits.
Covered compensation amount	The average of the Social Security taxable wage based during the 35-year period including the year in which the participant retires, dies, becomes disabled or otherwise terminates employment. This monthly average is calculated to the next lower or equal whole dollar amount and is then rounded to nearest \$50.
Final average pay	Average of the highest 36-consecutive months of base pay out of the last 120 months of employment, subject to IRS limits. Final average pay shall not increase after December 31, 2010.
Normal retirement date (NRD)	The first day of the calendar month whose first day is nearest the later of the member's 65 th birthday or the completion of five years of Vesting Service.
Cash balance account	Recordkeeping account to which annual Interest Credits and annual Company Credits are credited. The cash balance account is updated at the end of each plan year and is equal to:

$$\begin{aligned}
 &\text{Cash Balance Account as of the end of the prior plan year} \\
 &\quad + \\
 &\quad \text{Interest Credits} \\
 &\quad + \\
 &\quad \text{Company Credits}
 \end{aligned}$$

Cash balance benefit Cash Balance Account converted to a monthly annuity

Opening balance For those participating in or eligible for the AEP System Retirement Plan on December 31, 2000, opening balance is calculated as follows:

- Present value of monthly normal retirement benefit determined as of December 31, 2000, and payable at age 65 (or current age if older)
 - Present value determined based on 5.78% interest and IRS regulated mortality (GAM83 Unisex) data for lump sums (postretirement only)

Plus

- Credit for early retirement subsidy for monthly payments beginning at age 62 (or current age if older)

Plus

- Transition credit based on age, service and pay received in 2000 (see "Company Credits" for credit percentages)
 - Age and service based on completed whole years as of December 31, 2000.

For employees hired on or after January 1, 2001, opening balance is \$0.

Interest credits Interest credits are applied to beginning of year account balance on December 31 each year. Based on the average 30-year Treasury Bond rate for November of the previous year with a minimum of 4%.

Company credits Applied to account balance on December 31 or termination date if earlier.

Amount is a percentage of eligible pay received during the year, based on age plus years of Vesting Service (age and service in completed whole years as of December 31).

<i>Age Plus Years of Service</i>	<i>Annual Company Credit</i>
Less than 30	3.0%
30 – 39	3.5%
40 – 49	4.5%
50 – 59	5.5%
60 – 69	7.0%
70+	8.5%

Monthly Grandfathered Benefit Sum of (1), (2) and (3):

- (1) 1.10% of Final Average Pay x Accredited Service up to 35 years
- (2) 0.50% of Final Average Pay Less Covered Compensation x Accredited Service up to 35 years
- (3) 1.33% of Final Average Pay x Accredited Service between 35 and 45 years

Accruals for the grandfathered benefit ceased on December 31, 2010.

Long-term disability and paid leaves Compensation equal to base rate of pay as of disability date. Vesting service continues.

Unpaid leave No compensation for annual Company Credit. Vesting service continues.

Eligibility for Benefits

Normal retirement	All members at or after their Normal Retirement Date.
Early retirement	Any time after attainment of age 55 and completion of five years of vesting. Applicable only to grandfathered benefits.
Postponed retirement	Retirement after Normal Retirement Date.
Vested termination	All members who terminate employment after completion of three years of Vesting Service, or upon death.
Disability	All members who are unable to work at own occupation solely because of sickness or injury for the first 24 months of disability. After 24 months of disability, the participant is eligible if unable to work at any gainful occupation for which the participant may be able, or may reasonably become qualified by education, training or experience, to perform.
Surviving spouse	The surviving spouse of a Grandfathered Member who retired or is eligible to retire on Normal or Early Retirement and who was married to that spouse for the year preceding commencement and whose grandfathered benefit exceeds his or her Cash Balance Benefit.
Preretirement death	Beneficiary of deceased member.

Benefits Paid Upon the Following Events

Normal retirement	For Grandfathered Employees, the better of the monthly grandfathered benefit or the Cash Balance Benefit determined as of Normal Retirement Date. For all other employees, the Cash Balance Benefit determined as of Normal Retirement Date.
Early retirement	For Grandfathered Employees, the better of: <ol style="list-style-type: none"> (1) The monthly grandfathered retirement benefit reduced by 3% per year for each year commencement precedes age 62, and (2) The Cash Balance Benefit determined as of the Early Retirement Date. <p>For all other employees, the Cash Balance Benefit determined as of the Early Retirement Date.</p>
Deferred vested retirement	The accrued Normal Retirement Benefit (better of Cash Balance and Grandfathered Benefits, if eligible), payable at Normal Retirement Date or actuarially reduced and payable at any age.
Disability	The greater of (1) or (2): <ol style="list-style-type: none"> (1) Accrued Grandfathered Retirement Benefit reduced as in the Early Retirement Benefit. If retirement occurs prior to age 55, the benefit is further reduced actuarially from age 55. The Disability Retirement Benefit will reflect Accredited Service that accrued (at most recent rate of base earnings) to a member while receiving benefits under the Company's LTD plan. (2) The Cash Balance Benefit with continued Company Credits while disabled. <p>Benefit (1) applies for Grandfathered Employees only.</p>

Preretirement
 death

Better of (1) or (2):

- (1) The grandfathered monthly benefit as if the employee commenced a 60% qualified joint and survivor benefit at his earliest retirement date
- (2) Annuity equivalent of Cash Balance account or the cash balance account.

Benefit (1) applies for a Grandfathered Employee whose beneficiary is his or her spouse.

Surviving spouse benefits

A benefit payable for life equal to 30% of the single life annuity payable to the grandfathered member. The spouse's benefit is actuarially reduced for each year by which the spouse is more than ten years younger than the member. Payable to Grandfathered Employees only.

Other Plan Provisions

Forms of payment

■ Grandfathered employees

The following are available for Grandfathered Employees for both the Grandfathered Benefit and the Cash Balance Benefit:

- Full lump sum payment.
- Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below).
- Monthly payment:
 - Single life annuity.
 - Optional joint annuities (spouse or other beneficiary).
 - Available in 40%, 50%, 60%, 75%, 100%.
 - Can elect pop-up and/or level income options.
 - Automatic company-paid 30% surviving spouse annuity included in Grandfathered Benefit annuity if terminate on or after age 55 and married at least one year. Cash Balance Benefit is actuarially reduced for this feature.

■ Employees hired on or after
 January 1, 2001

The following are available for those hired on or after January 1, 2001:

- Full lump sum payment.
- Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below).
- Monthly payment:
 - Single life annuity.
 - Joint annuities (spouse or other beneficiary).
 - Available in 50%, 75%, 100%.

Form of payment conversion for
 non-417(e) covered conversions

- Cash balance 7.50% interest and the applicable 417(e) Mortality Table.
- Grandfathered benefit 7.50% interest and the 1974 George B. Buck Mortality Table.

Pension Increases	None.
Plan Participants' Contributions	Prior to January 1, 1978, employee contributions were required as a condition of Membership. In May and June of 1981, Members were permitted an election to withdraw those contributions. Those who did not elect to withdraw have retirement benefits based on a formula that differs from the formulas previously described in this section. However, the number of nonelecting Members is small. Therefore, special plan provisions for that group have not been included in this summary.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.
Benefits not valued	<p>A small portion of the population made employee contributions to the plan. Because the amount of these contributions is not material to the plan, they are not part of the valuation.</p> <p>Participants who were employees of Columbus Southern Power (CSP) at the time AEP acquired that company have a frozen benefit under the CSP benefit formula at December 31, 1986. Benefits for these participants are the greater of an all-service AEP benefit and a two-part benefit consisting of the frozen CSP benefit plus an AEP benefit accrued from January 1, 1987. Because this applies to a small portion of the population and the CSP frozen benefit is not often the greater benefit for these participants, this benefit is not valued.</p>
Plan status	Ongoing.

Future Plan Changes

Towers Watson is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None.

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Appendix B : Summary of Plan Provisions Covered by the Former West Retirement Plan

Plan Provisions

Plan provisions may not be the same for the Accounting and Funding valuations.

Effective Date	January 1940. Restated effective January 1, 1997.
Recent Amendments	Executed as of January 1, 2012.
Covered Employees	All full-time employees of a Participating Company employed by CSW before January 1, 2001, and not covered by a union (that has not bargained for coverage) or another pension plan provided by AEP. Part-time employees of the Company had to work more than 1,000 hours in the first anniversary year or subsequent calendar years.
Participation Date	Date of becoming a covered employee

Definitions

Grandfathered employee	Employees who were at least age 50 with ten years of vesting service as of July 1, 1997.
Vesting service	All service from date of hire in completed years.
Credited service	The aggregate of: For the period prior to January 1, 1976: (1) The number of full years in the last continuous period that employee was a participant after June 30, 1970, plus (2) Credited service under any prior plan if service extended to July 1, 1970. For the period beginning on or after January 1, 1976, the number of full years of service.
Cash balance pay	Pay received during the year, including base pay, overtime, shift differential/Sunday premium pay and incentive pay, subject to IRS limits
Final average pay	Highest average annual earnings (base pay only) during any 36 consecutive months in the 120 months before retirement. Any changes in earnings within the last three months before retirement will not be taken into account.
Normal retirement date (NRD)	The first day of the calendar month on or following the member's 65 th birthday.
Cash balance account	Recordkeeping account to which annual interest credits and annual company credits are credited. The cash balance account is updated at the end of each plan year and is equal to:

$$\begin{aligned}
 &\text{Cash Balance Account as of the end of the prior plan year} \\
 &\quad + \\
 &\quad \text{Interest Credits} \\
 &\quad + \\
 &\quad \text{Company Credits}
 \end{aligned}$$

Cash balance benefit Cash Balance Account converted to a monthly annuity

Interest credits Interest credits are applied to beginning of year account balance on December 31 each year. Based on the average 30-year Treasury Bond rate for November of the previous year with a minimum of 4%.

Company credits Applied to account balance on December 31 or termination date if earlier.

Amount is a percentage of eligible pay received during the year, based on age plus years of Vesting Service (age and service in completed whole years as of December 31).

<i>Age Plus Years of Service</i>	<i>Annual Company Credit</i>
Less than 30	3.0%
30 – 39	3.5%
40 – 49	4.5%
50 – 59	5.5%
60 – 69	7.0%
70+	8.5%

Monthly Grandfathered Benefit Greater of (1) or (2) below with automatic cost of living adjustments upon retirement:

(1) Basic benefit — An annual amount equal to the aggregate of a participant's (a) earned benefit (if any) under any prior plan or acquired Company pension plan under which no election was made to receive a paid-up annuity; and (b) participant contributions without interest for the period commencing on or after July 1, 1970. For the period after September 1, 1980, participants will be deemed to have made contributions at the rate of 2% annually of the participant's annual rate of earnings as of January 1.

(2) Minimum benefit — 1-2/3% of final average annual earnings less 50% of participant's annual primary Social Security benefit times years of credited service up to 30 years.

Minimum benefits The benefit payable will never be less than the frozen accrued benefit as of July 1, 1997, under the prior plan.

Primary Social Security benefit The annual amount payable under the Social Security Act as amended in effect at the employee's date of retirement. The date as of which the amount is to be determined is:

- (1) In the case of an employee (including deferred vested employees) retiring on or after normal retirement date, normal retirement date.
- (2) In the case of an employee retiring prior to normal retirement date, the later of employee's 62nd birthday or actual retirement date.

Early retirees and deferred vested employees are assumed to have no earnings after termination in determining the amount of this benefit.

Long-term disability and paid leaves Compensation equal to the base rate of pay as of disability date. If a participant became disabled prior to January 1, 2003, compensation for the cash balance formula is equal to the greater of the compensation for the calendar year before the disability and the year in which the disability benefits began. For the grandfathered formula, the final average pay will be determined as of the date on which the participant became disabled. Vesting service continues.

Unpaid leave No compensation for annual compensation credit. Vesting service continues.

Eligibility for Benefits

Normal retirement	All members at or after their Normal Retirement Date
Early retirement	Any time after attainment of age 55 and completion of five years of vesting
Postponed retirement	Retirement after NRD.
Vested	The participant's cash balance account is 100% vested when any one of the following applies: (1) Three years of vesting service (2) Attainment of age 55 while an employee (3) Death prior to termination (4) Upon disability.
Disability	All participants who become permanently and totally disabled. Permanent and total disability is determined by reference to the LTD plan covering that participant.
Surviving spouse	The surviving spouse of a participant who retired or is eligible to retire on normal or early retirement.
Preretirement death	Beneficiary of participant who dies after becoming vested.

Benefits Paid Upon the Following Events

Normal retirement	Grandfathered employees must elect either the cash balance or the grandfathered formula. For purposes of this valuation, the employee is assumed to elect the formula with the higher present value. Employees with a prior plan frozen benefit get the better of the cash balance benefit and the prior plan frozen benefit. For all other employees, the Cash Balance Benefit is determined as of Normal Retirement Date.																						
Early retirement	Greater of (1) if applicable or (2): (1) The grandfathered accrued benefit and the prior plan frozen are payable subject to reduction according to the following schedule if payments commence prior to the normal retirement date. <table style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><i>Age at Retirement</i></th> <th style="text-align: center;"><i>Percent of Benefit Payable</i></th> </tr> </thead> <tbody> <tr><td style="text-align: center;">64</td><td style="text-align: center;">100%</td></tr> <tr><td style="text-align: center;">63</td><td style="text-align: center;">100%</td></tr> <tr><td style="text-align: center;">62</td><td style="text-align: center;">100%</td></tr> <tr><td style="text-align: center;">61</td><td style="text-align: center;">95%</td></tr> <tr><td style="text-align: center;">60</td><td style="text-align: center;">90%</td></tr> <tr><td style="text-align: center;">59</td><td style="text-align: center;">84%</td></tr> <tr><td style="text-align: center;">58</td><td style="text-align: center;">78%</td></tr> <tr><td style="text-align: center;">57</td><td style="text-align: center;">72%</td></tr> <tr><td style="text-align: center;">56</td><td style="text-align: center;">66%</td></tr> <tr><td style="text-align: center;">55</td><td style="text-align: center;">60%</td></tr> </tbody> </table> (2) The Cash Balance Benefit determined as of the Early Retirement Date.	<i>Age at Retirement</i>	<i>Percent of Benefit Payable</i>	64	100%	63	100%	62	100%	61	95%	60	90%	59	84%	58	78%	57	72%	56	66%	55	60%
<i>Age at Retirement</i>	<i>Percent of Benefit Payable</i>																						
64	100%																						
63	100%																						
62	100%																						
61	95%																						
60	90%																						
59	84%																						
58	78%																						
57	72%																						
56	66%																						
55	60%																						

Deferred vested retirement	<p>Greater of (1) if applicable or (2):</p> <p>(1) Grandfathered accrued benefit payable at age 65, or if earlier reduced 5% per year from age 65, 6% per year from age 60 and 7.5% per year compounded from age 55.</p> <p>(2) Vested cash balance account.</p>
Disability retirement	<p>The greatest of grandfathered accrued benefit, if eligible, based on projected service and frozen pay deferred to age 65, prior plan frozen benefit if eligible and cash balance account with continued pay credits.</p>
Preretirement death	<p>If the beneficiary is the spouse and the participant is a grandfathered/protected plan participant, then:</p> <p>(1) For an active participant who dies on or after 55th birthday but before retirement, a monthly benefit equal to 50% of the benefit accrued to the date of death without reduction for early retirement is payable immediately as a life annuity to a qualifying spouse.</p> <p>(2) For an active participant who dies after completing five or more years of vesting service but before age 55, a deferred monthly benefit equal to 50% of the benefit accrued to the date of death reduced as for early retirement is payable as a life annuity to a qualifying spouse. Benefit commencement is deferred to when the deceased participant would have attained age 55.</p> <p>(3) For a deferred vested participant who dies before benefits commence, a monthly benefit equal to 50% of the deferred vested benefit reduced for early commencement (as for deferred vesteds) is payable as a life annuity to a qualifying spouse. If death occurs before age 55, the benefit to the spouse is deferred to when the deceased participant would have attained age 55.</p> <p>The spouse's benefit is actuarially reduced for each year by which the spouse is more than five years younger than the participant.</p> <p>For all employees, the minimum benefit is the cash balance account immediate annuity, which is also payable if the beneficiary is not the participant's spouse.</p>

Other Plan Provisions

Form of payment	<p>The following are available for those participants who did not work an hour of service on or after January 1, 2003:</p> <ul style="list-style-type: none"> ■ Full lump sum payment. ■ Monthly payment: <ul style="list-style-type: none"> — Single life annuity. — 50% joint annuity (spouse or other beneficiary). <p>The following are available for those participants who work an hour of service on or after January 1, 2003:</p> <ul style="list-style-type: none"> ■ Full lump sum payment. ■ Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below). ■ Monthly payment: <ul style="list-style-type: none"> — Single life annuity. — Joint annuities (spouse or other beneficiary). <ul style="list-style-type: none"> – Available in 50%, 75%, 100%.
Form of payment conversion for non-417(e) covered conversions	<ul style="list-style-type: none"> ■ Cash balance 7.50% interest and the applicable 417(e) Mortality Table ■ Grandfathered benefit Factors as specified in Tables I, II, III and IV of Exhibit A to the American Electric Power System Retirement Plan document. 7.50% interest and the 1951 Group Annuity male mortality table to the extent not covered by Tables I, II, III and IV.
Pension Increases	None.
Member Contributions	None.
Maximum on benefits and pay	All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.
Plan status	Continuing accruals. All new entrants to plan are covered under former East plan provisions.

Future Plan Changes

Towers Watson is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None.

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Appendix C : Adjusted Funding Target Attainment Percentage (AFTAP)

This section is a reproduction of selections of the AFTAP that was originally provided on March 29, 2012, and is provided here for reference.

American Electric Power ("AEP") retained Towers Watson Pennsylvania Inc. ("Towers Watson") to perform a valuation of its pension plan for the purpose of measuring the plan's AFTAP for the plan year beginning January 1, 2012, in accordance with ERISA and the Internal Revenue Code. This valuation has been conducted in accordance with generally accepted actuarial principles and practices.

The enrolled actuary making this certification is a member of the Society of Actuaries and other professional actuarial organizations and meets their "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States."

We previously certified that the plan's AFTAP for the plan year beginning January 1, 2012, is 85.64%. This percentage is based on the assumptions, participant data and plan provisions we relied upon to prepare the results shown in the original certification, reflects the valuation limitations discussed therein and is also based on the following additional information:

Annuity Purchases

- AEP's representation is that there were no annuity purchases made on behalf of non-highly compensated employees participating in the plan during the plan years beginning January 1, 2010, and January 1, 2011.

Funding Balances

- Our understanding is that AEP has not elected to reduce the plan's funding balance as of the first day of the 2012 plan year.
- Our understanding is that the plan is not subject to a deemed election to reduce the funding balance in 2012.
- AEP has elected to increase the funding balance by \$235,158,103 as of the first day of the 2012 plan year, as confirmed in the letter dated March 28, 2012.

Contributions

- Our understanding is that AEP has not made any employer contributions after December 31, 2011, and before March 31, 2012, for the 2011 plan year.

Events

- There were no plan amendments that went into effect in the current plan year that were taken into account for the current plan year's AFTAP certification.
- There were no unpredictable contingent event benefits (UCEBs) that went into effect in the current plan year that were taken into account for the current plan year's AFTAP certification.
- There were no previously suspended accruals restored during the current plan year that were taken into account for the current plan year's AFTAP certification.

Elections

- The AFTAP certification incorporates our understanding of sponsor elections required under the Pension Protection Act of 2006 (PPA) with respect to interest rates, Actuarial Value of Assets and other methods and/or assumptions, as confirmed in AEP's letter dated March 26, 2012.

American Electric Power System Retirement Plan

The development of AFTAP is show below:

All monetary amounts shown in US Dollars

Plan Year Beginning	January 1, 2012
Actuarial value of assets as of January 1, 2012 ¹	4,283,957,987
Funding standard carryover balance as of January 1, 2012 ²	222,029,014
Prefunding balance as of January 1, 2012 ²	235,158,103
Funding target as of January 1, 2012 (disregarding at-risk assumptions)	4,467,943,379
AVA/funding target (disregarding at-risk assumptions)	95.88%
Assets for AFTAP calculation ³	3,826,770,870
Annuity purchases for NHCEs during 2010 and 2011	0
Reflection of post valuation date events not previously reflected	
Increase in funding target (disregarding at-risk assumptions) for 2012 amendments/UCEBs/restored accruals ⁴	0
IRC §436 contributions made to enable plan amendments/UCEBs/restored accruals to take effect ⁵	0
Adjusted funding target, disregarding at-risk assumptions, (includes NHCE annuity purchases and amendments)	4,467,943,379
Adjusted assets (includes NHCE annuity purchases and IRC §436 contributions)	3,826,770,870
Specific AFTAP	
Adjusted Funding Target Attainment Percentage (AFTAP)	85.64%

Notes

1. Reflects discounted contributions made for the 2011 plan year only if paid on or before the certification date. Includes security posted by the beginning of the plan year in the form of a bond or cash held in escrow.
2. Reflects elections made to-date (other than elections to apply the funding balances to 2011 MRC).
3. AVA if AVA/Funding Target (disregarding at-risk assumptions) >=100%; otherwise (AVA-funding balance).
4. If went into effect before this specific certification, not reflected in funding valuation and require AFTAP recertification, or which the plan sponsor otherwise decides to reflect in the specific AFTAP certification.
5. Discounted to January 1, 2012, using 2012 effective interest rate.

Immediate Implications of AFTAP Certification

We believe that the certified AFTAP of 85.64% for the 2012 plan year has the following implications for benefit limitations described in IRC §436. AEP should review these conclusions with ERISA counsel:

- Benefit accruals called for under the plan without regard to IRC §436 must continue.
- Accelerated distributions called for under the plan without regard to IRC §436 must continue in full.
- Amendments that increase benefits must be evaluated at the time they would become effective to determine if they are permissible.
- Plant shutdown and other unpredictable UCEBs must be evaluated at the time they would become effective to determine if they are permissible.

Implications of 2012 AFTAP for Presumptions in 2013 Plan Year

Because the AFTAP for the 2012 plan year is at least 80% but less than 90%, the presumed AFTAP for the 2013 plan year would decline 10% on April 1, 2013, if the 2013 plan year AFTAP has not yet been certified. Based on our understanding of the application of IRC §436 to the American Electric Power System Retirement Plan, as described above, we believe this decline in presumed AFTAP would cause accelerated distributions to be partially restricted. AEP should confirm these effects with your ERISA counsel.

Appendix D : Results by Business Unit

The forecasts displayed in this Appendix D rely on the data, assumptions, methods and plan provisions mentioned in Appendices A and B.

**AMERICAN ELECTRIC POWER
QUALIFIED RETIREMENT PLAN
SUMMARY OF PLAN PARTICIPANTS FOR THE 2012 VALUATION**

Location	Vested Actives	Non-Vested Actives	Total Actives	Retirees Receiving Benefits	Beneficiaries	Deferred Vested	Total Inactives	Total Participants
Appalachian Power Co - Distribution	998	33	1,031	1,135	403	352	1,890	2,921
Appalachian Power Co - Generation	920	54	974	758	215	164	1,137	2,111
Appalachian Power Co - Transmission	144	7	151	115	15	37	167	318
Appalachian Power Co. - FERC	2,062	94	2,156	2,008	633	553	3,194	5,350
Cedar Coal Co	0	0	0	67	31	11	109	109
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	2,062	94	2,156	2,075	664	564	3,303	5,459
AEP Texas Central Company - Distribution	858	17	875	822	250	431	1,503	2,378
AEP Texas Central Company - Generation	1	0	1	101	57	190	348	349
AEP Texas Central Company - Transmission	101	5	106	77	32	66	175	281
AEP Texas Central Co.	960	22	982	1,000	339	687	2,026	3,008
Indiana Michigan Power Co - Distribution	611	22	633	689	252	167	1,108	1,741
Indiana Michigan Power Co - Generation	378	21	399	282	83	173	538	937
Indiana Michigan Power Co - Nuclear	1,032	92	1,124	338	59	357	754	1,878
Indiana Michigan Power Co - Transmission	129	5	134	99	13	24	136	270
Ind Mich River Transp Lakin	271	29	300	107	39	60	206	506
Indiana Michigan Power Co. - FERC	2,421	169	2,590	1,515	446	781	2,742	5,332
Price River Coal	0	0	0	10	2	4	16	16
Indiana Michigan Power Co. - SEC	2,421	169	2,590	1,525	448	785	2,758	5,348
Kentucky Power Co - Distribution	236	11	247	191	67	95	353	600
Kentucky Power Co - Generation	123	2	125	92	23	29	144	269
Kentucky Power Co - Transmission	39	1	40	10	0	5	15	55
Kentucky Power Co.	398	14	412	293	90	129	512	924
Cardinal Operating Company	281	17	298	177	52	39	268	566
Cook Coal Terminal	16	0	16	8	1	1	10	26
Ohio Power Co - Distribution	1,457	49	1,506	1,819	444	358	2,621	4,127
Ohio Power Co - Generation	1,007	43	1,050	1,299	327	383	2,009	3,059
Ohio Power Co - Transmission	228	3	231	199	58	40	297	528
Ohio Power Co. - FERC	2,989	112	3,101	3,502	882	821	5,205	8,306
Conesville Coal Preparation Company	8	0	8	10	0	0	10	18
Ohio Power Co. - SEC	2,997	112	3,109	3,512	882	821	5,215	8,324
Public Service Co of Oklahoma - Distribution	635	27	662	475	194	224	893	1,555
Public Service Co of Oklahoma - Generation	334	32	366	180	76	88	344	710
Public Service Co of Oklahoma - Transmission	68	5	73	55	18	26	99	172
Public Service Co. of Oklahoma	1,037	64	1,101	710	288	338	1,336	2,437
Southwestern Electric Power Co - Distribution	513	21	534	191	96	95	382	916
Southwestern Electric Power Co - Generation	477	27	504	194	88	79	361	865
Southwestern Electric Power Co - Texas - Distribution	226	11	237	155	38	73	266	503
Southwestern Electric Power Co - Texas - Transmission	0	0	0	3	3	4	10	10
Southwestern Electric Power Co - Transmission	67	5	72	35	11	13	59	131
Southwestern Electric Power Co.	1,283	64	1,347	578	236	264	1,078	2,425
AEP Texas North Company - Distribution	250	5	255	175	85	116	376	631
AEP Texas North Company - Generation	0	0	0	113	47	50	210	210
AEP Texas North Company - Transmission	50	8	58	27	11	5	43	101
AEP Texas North Co.	300	13	313	315	143	171	629	942
Kingsport Power Co - Distribution	37	3	40	48	18	18	84	124
Kingsport Power Co - Transmission	10	0	10	8	1	2	11	21
Kingsport Power Co.	47	3	50	56	19	20	95	145
Wheeling Power Co - Distribution	52	0	52	57	27	9	93	145
Wheeling Power Co - Transmission	0	0	0	3	8	1	12	12
Wheeling Power Co.	52	0	52	60	35	10	105	157
American Electric Power Service Corporation	4,674	227	4,901	2,534	446	2,144	5,124	10,025
American Electric Power Service Corp	4,674	227	4,901	2,534	446	2,144	5,124	10,025
AEP Pro Serv, Inc.	0	0	0	1	0	2	3	3
CSW Energy, Inc.	23	4	27	3	0	21	24	51
Elmwood	111	1	112	4	0	12	16	128
AEP River Operations LLC	729	175	904	6	0	109	115	1,019
Miscellaneous	863	180	1,043	14	0	144	158	1,201
Total	17,094	962	18,056	12,672	3,590	6,077	22,339	40,395

American Electric Power System Retirement Plan

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 FUNDED STATUS OF PRESENT VALUE OF ACCUMULATED PLAN BENEFITS (ASC 960) AS OF JANUARY 1, 2012**

Location	Present Value of Vested Benefits	Present Value of Non-Vested Benefits	Present Value of Accumulated Plan Benefits	Market Value of Assets	Percent Funded
Appalachian Power Co - Distribution	\$257,746,530	\$2,527,412	\$260,273,942	\$290,017,340	111.4%
Appalachian Power Co - Generation	212,714,444	2,596,888	215,311,332	246,311,199	114.4%
Appalachian Power Co - Transmission	38,909,863	280,939	39,190,802	42,160,460	107.6%
Appalachian Power Co. - FERC	\$509,370,837	\$5,405,239	\$514,776,076	\$578,488,999	112.4%
Cedar Coal Co	2,487,713	0	2,487,713	2,999,562	120.6%
Central Coal Company	0	0	0	0	0.0%
Appalachian Power Co. - SEC	\$511,858,550	\$5,405,239	\$517,263,789	\$581,488,561	112.4%
AEP Texas Central Company - Distribution	\$215,222,005	\$792,142	\$216,014,147	\$247,811,164	114.7%
AEP Texas Central Company - Generation	21,141,691	0	21,141,691	34,737,340	164.3%
AEP Texas Central Company - Transmission	22,638,574	75,999	22,714,573	26,424,427	116.3%
AEP Texas Central Co.	\$259,002,270	\$868,141	\$259,870,411	\$308,972,931	118.9%
Indiana Michigan Power Co - Distribution	\$138,041,047	\$1,503,042	\$139,544,089	\$154,064,163	110.4%
Indiana Michigan Power Co - Generation	85,491,007	1,435,416	86,926,423	100,099,037	115.2%
Indiana Michigan Power Co - Nuclear	153,405,452	2,507,129	155,912,581	200,066,921	128.3%
Indiana Michigan Power Co - Transmission	29,649,496	383,401	30,032,897	32,710,678	108.9%
Ind Mich River Transp Lakin	23,419,511	823,530	24,243,041	33,400,251	137.8%
Indiana Michigan Power Co. - FERC	\$430,006,513	\$6,652,518	\$436,659,031	\$520,341,050	119.2%
Price River Coal	312,541	0	312,541	450,339	144.1%
Indiana Michigan Power Co. - SEC	\$430,319,054	\$6,652,518	\$436,971,572	\$520,791,389	119.2%
Kentucky Power Co - Distribution	\$57,685,396	\$613,440	\$58,298,836	\$64,560,375	110.7%
Kentucky Power Co - Generation	27,350,403	408,141	27,758,544	30,602,224	110.2%
Kentucky Power Co - Transmission	5,933,910	116,941	6,050,851	7,319,384	121.0%
Kentucky Power Co.	\$90,969,709	\$1,138,522	\$92,108,231	\$102,481,983	111.3%
Cardinal Operating Company	\$58,870,577	\$751,109	\$59,621,686	\$63,517,974	106.5%
Cook Coal Terminal	2,386,577	14,246	2,400,823	3,293,372	137.2%
Ohio Power Co - Distribution	357,769,787	2,955,154	360,724,941	408,955,360	113.4%
Ohio Power Co - Generation	292,978,506	2,848,332	295,826,838	402,482,468	136.1%
Ohio Power Co - Transmission	58,662,619	372,718	59,035,337	66,130,027	112.0%
Ohio Power Co. - FERC	\$770,668,066	\$6,941,559	\$777,609,625	\$944,379,201	121.4%
Conesville Coal Preparation Company	3,318,693	28,771	3,347,464	3,889,451	116.2%
Ohio Power Co. - SEC	\$773,986,759	\$6,970,330	\$780,957,089	\$948,268,652	121.4%
Public Service Co of Oklahoma - Distribution	\$132,047,730	\$490,874	\$132,538,604	\$152,932,167	115.4%
Public Service Co of Oklahoma - Generation	62,571,215	417,240	62,988,455	77,834,794	123.6%
Public Service Co of Oklahoma - Transmission	16,002,666	76,108	16,078,774	18,980,644	118.0%
Public Service Co. of Oklahoma	\$210,621,611	\$984,222	\$211,605,833	\$249,747,605	118.0%
Southwestern Electric Power Co - Distribution	\$75,217,124	\$404,562	\$75,621,686	\$94,032,050	124.3%
Southwestern Electric Power Co - Generation	82,223,982	631,143	82,855,125	100,486,326	121.3%
Southwestern Electric Power Co - Texas - Distribution	42,396,123	183,405	42,579,528	50,527,301	118.7%
Southwestern Electric Power Co - Texas - Transmission	433,018	0	433,018	521,505	120.4%
Southwestern Electric Power Co - Transmission	11,759,696	51,438	11,811,134	15,977,733	135.3%
Southwestern Electric Power Co.	\$212,029,943	\$1,270,548	\$213,300,491	\$261,544,915	122.6%
AEP Texas North Company - Distribution	\$53,243,436	\$253,177	\$53,496,613	\$63,544,046	118.8%
AEP Texas North Company - Generation	19,475,514	0	19,475,514	24,301,946	124.8%
AEP Texas North Company - Transmission	7,997,881	73,263	8,071,144	9,869,866	122.3%
AEP Texas North Co.	\$80,716,831	\$326,440	\$81,043,271	\$97,715,858	120.6%
Kingsport Power Co - Distribution	\$10,400,173	\$111,705	\$10,511,878	\$11,358,936	108.1%
Kingsport Power Co - Transmission	2,805,259	11,754	2,817,013	2,995,452	106.3%
Kingsport Power Co.	\$13,205,432	\$123,459	\$13,328,891	\$14,354,388	107.7%
Wheeling Power Co - Distribution	\$12,562,168	\$42,079	\$12,604,247	\$14,623,173	116.0%
Wheeling Power Co - Transmission	724,115	0	724,115	981,242	135.5%
Wheeling Power Co.	\$13,286,283	\$42,079	\$13,328,362	\$15,604,415	117.1%
American Electric Power Service Corporation	\$1,069,639,906	\$18,589,286	\$1,088,229,192	\$1,270,525,060	116.8%
American Electric Power Service Corp	\$1,069,639,906	\$18,589,286	\$1,088,229,192	\$1,270,525,060	116.8%
AEP Pro Serv, Inc.	\$854,538	\$0	\$854,538	\$943,133	110.4%
CSW Energy, Inc.	2,939,309	38,357	2,977,666	3,472,968	116.6%
Elmwood	2,078,716	21,058	2,099,774	4,427,184	210.8%
AEP River Operations LLC	17,276,094	582,789	17,858,883	38,667,123	216.5%
Miscellaneous	\$23,148,657	\$642,204	\$23,790,861	\$47,510,408	199.7%
Total	\$3,688,785,005	\$43,012,988	\$3,731,797,993	\$4,419,006,165	118.4%

**AMERICAN ELECTRIC POWER
QUALIFIED RETIREMENT PLAN
SUMMARY OF ASC 715-30 VALUATION RESULTS AS OF JANUARY 1, 2012**

Location	Valuation Earnings	Market-Related Value of Assets	Fair Value of Assets	Accumulated Benefit Obligation	Projected Benefit Obligation	January 1, 2012 Pre-Tax AOCI
Appalachian Power Co - Distribution	\$82,341,137	\$289,491,669	\$283,454,386	\$336,295,292	\$339,772,980	\$164,383,555
Appalachian Power Co - Generation	80,652,337	245,864,748	240,737,294	280,143,580	283,883,280	120,319,938
Appalachian Power Co - Transmission	12,511,310	42,084,042	41,206,389	51,654,814	52,151,303	20,921,894
Appalachian Power Co. - FERC	\$175,504,784	\$577,440,459	\$565,398,069	\$668,093,686	\$675,807,563	\$305,625,387
Cedar Coal Co	0	2,994,125	2,931,683	3,023,968	3,023,968	3,817,104
Central Coal Company	0	0	0	0	0	3,979
Appalachian Power Co. - SEC	\$175,504,784	\$580,434,584	\$568,329,752	\$671,117,654	\$678,831,531	\$309,446,470
AEP Texas Central Company - Distribution	\$68,142,369	\$247,361,995	\$242,203,316	\$271,655,643	\$276,839,478	\$166,015,511
AEP Texas Central Company - Generation	65,464	34,674,378	33,951,251	28,419,598	28,421,971	(5,529,280)
AEP Texas Central Company - Transmission	8,669,823	26,376,531	25,826,455	28,875,136	29,516,844	20,075,274
AEP Texas Central Co.	\$76,877,656	\$308,412,904	\$301,981,022	\$328,950,377	\$334,778,293	\$180,561,505
Indiana Michigan Power Co - Distribution	\$49,446,564	\$153,784,915	\$150,577,765	\$178,278,248	\$181,243,915	\$85,405,018
Indiana Michigan Power Co - Generation	33,909,286	99,917,603	97,833,844	114,413,035	115,313,647	43,335,606
Indiana Michigan Power Co - Nuclear	107,791,965	199,704,289	195,539,502	209,618,934	215,386,606	60,948,965
Indiana Michigan Power Co - Transmission	11,060,762	32,651,388	31,970,451	38,983,032	39,672,872	16,656,768
Ind Mich River Transp Lakin	20,147,213	33,339,711	32,644,419	32,412,990	34,265,370	9,899,622
Indiana Michigan Power Co. - FERC	\$222,355,790	\$519,397,906	\$508,565,981	\$573,706,239	\$585,882,410	\$216,245,969
Price River Coal	0	449,523	440,148	402,241	402,241	349,678
Indiana Michigan Power Co. - SEC	\$222,355,790	\$519,847,429	\$509,006,129	\$574,108,480	\$586,284,651	\$216,595,647
Kentucky Power Co - Distribution	\$19,722,276	\$64,443,357	\$63,099,405	\$76,400,411	\$77,104,411	\$30,847,948
Kentucky Power Co - Generation	10,519,427	30,546,756	29,909,710	36,902,213	37,288,881	14,893,042
Kentucky Power Co - Transmission	3,316,900	7,306,118	7,153,750	8,229,178	8,386,319	2,541,232
Kentucky Power Co.	\$33,558,603	\$102,296,231	\$100,162,865	\$121,531,802	\$122,779,611	\$48,282,222
Cardinal Operating Company	\$24,020,241	\$63,402,845	\$62,080,593	\$77,488,321	\$78,555,565	\$16,474,972
Cook Coal Terminal	1,452,514	3,287,403	3,218,845	3,111,283	3,262,340	855,958
Ohio Power Co - Distribution	113,733,489	408,214,108	399,700,895	458,874,765	467,040,634	256,245,783
Ohio Power Co - Generation	86,145,795	401,752,949	393,374,482	380,891,224	384,904,718	197,101,929
Ohio Power Co - Transmission	18,898,112	66,010,163	64,633,536	75,889,971	77,109,220	40,768,544
Ohio Power Co. - FERC	\$244,250,151	\$942,667,468	\$923,008,351	\$996,255,564	\$1,010,872,477	\$511,447,186
Conesville Coal Preparation Company	742,179	3,882,402	3,801,435	4,347,977	4,401,563	1,484,256
Ohio Power Co. - SEC	\$244,992,330	\$946,549,870	\$926,809,786	\$1,000,603,541	\$1,015,274,040	\$512,931,442
Public Service Co of Oklahoma - Distribution	\$52,715,104	\$152,654,969	\$149,471,385	\$166,515,768	\$171,066,958	\$89,721,418
Public Service Co of Oklahoma - Generation	31,323,090	77,693,715	76,073,430	78,569,000	80,644,107	34,318,377
Public Service Co of Oklahoma - Transmission	6,414,154	18,946,241	18,551,121	20,173,158	20,603,544	9,838,567
Public Service Co. of Oklahoma	\$90,452,348	\$249,294,925	\$244,095,936	\$265,257,926	\$272,314,609	\$133,878,362
Southwestern Electric Power Co - Distribution	\$42,584,627	\$93,861,612	\$91,904,150	\$94,934,023	\$99,559,056	\$52,814,952
Southwestern Electric Power Co - Generation	42,740,469	100,304,189	98,212,368	103,909,438	106,356,459	46,875,653
Southwestern Electric Power Co - Texas - Distribution	18,215,215	50,435,717	49,383,892	53,433,710	54,871,875	27,383,008
Southwestern Electric Power Co - Texas - Transmission	0	520,560	509,704	583,274	583,274	925,349
Southwestern Electric Power Co - Transmission	6,167,228	15,948,773	15,616,165	14,851,526	15,345,049	6,249,425
Southwestern Electric Power Co.	\$109,707,539	\$261,070,851	\$255,626,279	\$267,711,971	\$276,715,713	\$134,248,387
AEP Texas North Company - Distribution	\$20,326,959	\$63,428,870	\$62,106,075	\$66,915,076	\$68,003,603	\$37,300,015
AEP Texas North Company - Generation	0	24,257,898	23,752,005	24,084,476	24,084,476	20,444,895
AEP Texas North Company - Transmission	4,878,831	9,851,977	9,646,516	10,134,742	10,575,894	5,477,181
AEP Texas North Co.	\$25,205,790	\$97,538,745	\$95,504,596	\$101,134,294	\$102,663,973	\$63,222,091
Kingsport Power Co - Distribution	\$2,968,934	\$11,338,348	\$11,101,889	\$13,563,184	\$13,686,722	\$7,142,461
Kingsport Power Co - Transmission	804,843	2,990,022	2,927,666	3,626,234	3,676,547	1,611,993
Kingsport Power Co.	\$3,773,777	\$14,328,370	\$14,029,555	\$17,189,418	\$17,363,269	\$8,754,454
Wheeling Power Co - Distribution	\$3,948,060	\$14,596,668	\$14,292,258	\$16,084,733	\$16,259,353	\$8,966,998
Wheeling Power Co - Transmission	0	979,463	959,037	863,286	863,286	750,725
Wheeling Power Co.	\$3,948,060	\$15,576,131	\$15,251,295	\$16,948,019	\$17,122,639	\$9,717,723
American Electric Power Service Corporation	\$481,962,734	\$1,268,222,165	\$1,241,773,681	\$1,418,221,287	\$1,451,916,921	\$552,223,121
American Electric Power Service Corp	\$481,962,734	\$1,268,222,165	\$1,241,773,681	\$1,418,221,287	\$1,451,916,921	\$552,223,121
AEP Pro Serv, Inc.	\$0	\$941,423	\$921,790	\$1,141,926	\$1,141,926	\$184,462
CSW Energy, Inc.	3,164,071	3,466,672	3,394,376	4,125,546	4,518,659	4,718,445
Elmwood	5,367,660	4,419,160	4,326,999	2,816,359	3,143,660	(1,217,339)
AEP River Operations LLC	66,217,509	38,597,036	37,792,104	24,030,772	29,412,194	(1,636,456)
Miscellaneous	\$74,749,240	\$47,424,291	\$46,435,269	\$32,114,603	\$38,216,439	\$2,049,112
Total	\$1,543,088,651	\$4,410,996,496	\$4,319,006,165	\$4,814,889,372	\$4,914,261,689	\$2,171,910,536

American Electric Power System Retirement Plan

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AMERICAN ELECTRIC POWER
 QUALIFIED PENSION PLAN
 10-YEAR PENSION COST FORECAST

Location	Estimated Net Periodic Pension Cost										
	ASC 715-30 Cost 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Appalachian Power Co - Distribution	\$8,168,506	\$11,648,268	\$11,295,743	\$11,645,012	\$10,586,801	\$9,511,541	\$9,008,421	\$8,845,046	\$8,653,600	\$8,567,008	\$8,533,970
Appalachian Power Co - Generation	7,112,832	10,001,825	9,787,851	10,151,969	9,379,700	8,656,973	8,267,978	8,184,927	8,080,394	8,050,210	8,066,391
Appalachian Power Co - Transmission	1,336,508	1,814,070	1,687,096	1,700,558	1,526,067	1,356,840	1,269,542	1,259,410	1,240,560	1,244,011	1,253,897
Appalachian Power Co. - FERC	\$16,617,846	\$23,464,163	\$22,770,690	\$23,497,539	\$21,492,568	\$19,525,354	\$18,545,941	\$18,289,383	\$17,974,554	\$17,861,229	\$17,854,258
Cedar Coal Co	10,889	42,857	43,598	50,194	42,017	33,338	30,178	28,704	26,963	25,193	23,459
Central Coal Company	0	0	0	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$16,628,735	\$23,507,020	\$22,814,288	\$23,547,733	\$21,534,585	\$19,558,692	\$18,576,119	\$18,318,087	\$18,001,517	\$17,886,422	\$17,877,717
AEP Texas Central Company - Distribution	\$6,272,556	\$11,030,068	\$11,102,324	\$11,639,483	\$10,916,258	\$9,998,817	\$9,657,373	\$9,681,792	\$9,695,509	\$9,745,752	\$9,850,149
AEP Texas Central Company - Generation	(403,335)	(109,680)	(176,624)	(135,927)	(259,831)	(294,742)	(374,746)	(472,015)	(554,250)	(599,368)	(688,468)
AEP Texas Central Company - Transmission	766,208	1,287,891	1,304,188	1,357,689	1,285,196	1,185,294	1,140,449	1,136,272	1,123,300	1,116,251	1,112,686
AEP Texas Central Co.	\$6,635,429	\$12,208,279	\$12,229,888	\$12,861,245	\$11,941,623	\$10,889,369	\$10,423,076	\$10,346,049	\$10,264,289	\$10,262,635	\$10,274,367
Indiana Michigan Power Co - Distribution	\$4,547,327	\$6,481,673	\$6,314,250	\$6,542,938	\$5,980,361	\$5,345,985	\$5,064,240	\$4,982,972	\$4,904,674	\$4,850,692	\$4,816,251
Indiana Michigan Power Co - Generation	2,915,701	4,084,031	3,968,677	4,090,151	3,755,835	3,477,822	3,309,289	3,266,744	3,223,458	3,216,996	3,233,696
Indiana Michigan Power Co - Nuclear	6,951,701	9,396,015	9,470,213	9,952,407	9,462,692	9,212,698	8,900,503	8,865,598	8,824,869	8,839,639	8,926,196
Indiana Michigan Power Co - Transmission	1,050,811	1,440,953	1,371,991	1,399,015	1,320,085	1,175,490	1,101,568	1,082,818	1,063,042	1,053,191	1,051,008
Ind Mich River Transp Lakin	1,062,789	1,463,152	1,487,389	1,570,362	1,492,404	1,443,893	1,408,765	1,403,363	1,401,647	1,396,764	1,400,093
Indiana Michigan Power Co. - FERC	\$16,528,329	\$22,865,824	\$22,602,520	\$23,554,873	\$22,011,377	\$20,655,888	\$19,784,365	\$19,601,495	\$19,417,690	\$19,357,282	\$19,427,244
Price River Coal	(2,282)	1,539	1,021	1,864	568	22	(393)	(1,087)	(1,797)	(2,349)	(2,749)
Indiana Michigan Power Co. - SEC	\$16,526,047	\$22,867,363	\$22,603,541	\$23,556,737	\$22,011,945	\$20,655,910	\$19,783,972	\$19,600,408	\$19,415,893	\$19,354,933	\$19,424,495
Kentucky Power Co - Distribution	\$1,943,579	\$2,728,105	\$2,592,792	\$2,645,730	\$2,392,820	\$2,153,808	\$2,028,693	\$1,992,923	\$1,955,820	\$1,942,679	\$1,960,423
Kentucky Power Co - Generation	1,047,833	1,399,440	1,327,961	1,351,474	1,234,221	1,132,537	1,075,406	1,061,705	1,047,241	1,051,860	1,067,124
Kentucky Power Co - Transmission	253,529	336,443	329,503	341,031	319,231	307,323	298,224	296,286	292,144	292,062	293,470
Kentucky Power Co.	\$3,244,941	\$4,463,988	\$4,250,256	\$4,338,235	\$3,946,272	\$3,593,668	\$3,402,323	\$3,350,914	\$3,295,205	\$3,286,601	\$3,321,017
Cardinal Operating Company	\$2,362,034	\$3,148,476	\$3,012,254	\$3,074,805	\$2,826,031	\$2,577,070	\$2,449,522	\$2,445,050	\$2,433,393	\$2,438,624	\$2,478,607
Cook Coal Terminal	88,267	126,961	130,407	139,317	132,952	130,121	125,970	125,791	134,555	132,860	130,727
Ohio Power Co - Distribution	10,789,759	15,768,866	15,527,979	16,227,173	14,926,710	13,510,606	12,785,597	12,670,271	12,513,054	12,387,923	12,365,979
Ohio Power Co - Generation	3,773,710	8,019,067	8,062,487	9,049,097	8,227,606	7,897,432	7,569,318	7,259,618	6,907,301	6,693,189	6,500,824
Ohio Power Co - Transmission	1,818,742	2,592,633	2,514,819	2,595,722	2,362,328	2,132,566	2,012,818	2,012,570	2,000,215	1,981,145	2,018,377
Ohio Power Co. - FERC	\$18,832,512	\$29,656,003	\$29,247,946	\$31,086,114	\$28,475,627	\$26,247,795	\$24,943,225	\$24,513,300	\$23,988,518	\$23,633,741	\$23,494,514
Conesville Coal Preparation Company	72,484	115,750	110,252	115,644	88,133	80,616	77,530	74,414	71,713	69,321	69,321
Ohio Power Co. - SEC	\$18,904,996	\$29,771,753	\$29,358,198	\$31,201,758	\$28,577,011	\$26,335,928	\$25,023,841	\$24,590,830	\$24,062,932	\$23,705,454	\$23,563,835
Public Service Co of Oklahoma - Distribution	\$4,571,281	\$7,502,672	\$7,636,385	\$7,999,118	\$7,623,701	\$7,074,392	\$6,871,507	\$6,928,636	\$6,954,679	\$7,028,001	\$7,058,031
Public Service Co of Oklahoma - Generation	2,290,019	3,697,505	3,864,619	4,182,602	4,046,081	3,864,564	3,788,293	3,843,281	3,885,123	3,907,134	3,975,272
Public Service Co of Oklahoma - Transmission	521,872	864,199	884,070	934,173	892,009	829,616	806,682	813,448	813,087	817,080	854,871
Public Service Co. of Oklahoma	\$7,383,172	\$12,064,376	\$12,405,074	\$13,115,893	\$12,561,791	\$11,768,572	\$11,466,482	\$11,585,365	\$11,652,889	\$11,752,215	\$11,888,174
Southwestern Electric Power Co - Distribution	\$3,038,719	\$4,782,455	\$4,984,590	\$5,308,909	\$5,141,458	\$4,923,044	\$4,877,337	\$4,938,303	\$4,950,406	\$5,000,862	\$5,062,140
Southwestern Electric Power Co - Generation	3,297,664	5,115,884	5,358,198	5,680,560	5,492,419	5,231,599	5,142,042	5,232,399	5,260,143	5,314,017	5,369,304
Southwestern Electric Power Co - Texas - Distribution	1,530,500	2,459,596	2,530,757	2,668,468	2,546,672	2,412,027	2,366,639	2,381,724	2,388,060	2,389,979	2,400,285
Southwestern Electric Power Co - Texas - Transmission	3,101	10,872	9,690	9,954	7,809	6,450	5,674	4,722	3,754	2,826	2,012
Southwestern Electric Power Co - Transmission	341,881	611,348	643,366	703,258	687,197	662,876	654,353	653,525	644,174	637,572	634,110
Southwestern Electric Power Co.	\$8,211,415	\$12,980,155	\$13,526,601	\$14,371,149	\$13,875,555	\$13,235,996	\$13,046,045	\$13,210,673	\$13,246,537	\$13,345,256	\$13,467,851
AEP Texas North Company - Distribution	\$1,732,292	\$2,906,861	\$3,038,484	\$3,206,577	\$3,047,384	\$2,831,642	\$2,759,019	\$2,808,973	\$2,831,973	\$2,849,746	\$2,888,398
AEP Texas North Company - Generation	(128,851)	300,750	297,683	352,287	300,568	245,421	219,527	198,971	179,001	164,928	153,715
AEP Texas North Company - Transmission	361,027	541,019	559,217	600,677	584,236	560,889	554,948	566,509	574,989	585,652	597,054
AEP Texas North Co.	\$1,964,468	\$3,748,630	\$3,895,384	\$4,159,541	\$3,932,188	\$3,637,952	\$3,533,494	\$3,574,453	\$3,585,963	\$3,600,326	\$3,639,167
Kingsport Power Co - Distribution	\$335,385	\$472,214	\$450,553	\$460,369	\$415,873	\$366,726	\$343,967	\$337,027	\$328,993	\$323,851	\$320,873
Kingsport Power Co - Transmission	84,442	119,283	111,924	113,843	101,568	87,761	82,431	81,578	80,196	78,629	78,556
Kingsport Power Co.	\$419,827	\$591,497	\$562,477	\$574,212	\$517,441	\$454,487	\$426,398	\$418,605	\$409,189	\$402,280	\$399,429
Wheeling Power Co - Distribution	\$378,086	\$562,169	\$558,399	\$586,020	\$541,916	\$497,501	\$475,378	\$473,410	\$467,212	\$466,851	\$466,764
Wheeling Power Co - Transmission	(6,182)	4,469	5,320	8,462	7,169	6,608	6,160	5,558	5,075	4,510	3,831
Wheeling Power Co.	\$371,904	\$566,638	\$563,719	\$594,482	\$549,085	\$504,109	\$481,538	\$478,968	\$472,287	\$469,361	\$470,595
American Electric Power Service Corporation	\$37,883,437	\$54,295,296	\$53,491,153	\$55,770,968	\$51,875,719	\$48,208,460	\$46,334,113	\$45,851,372	\$45,214,587	\$44,892,612	\$44,891,947
American Electric Power Service Corp	\$37,883,437	\$54,295,296	\$53,491,153	\$55,770,968	\$51,875,719	\$48,208,460	\$46,334,113	\$45,851,372	\$45,214,587	\$44,892,612	\$44,891,947
AEP Pro Serv, Inc.	\$16,490	\$26,982	\$24,083	\$24,354	\$20,184	\$15,020	\$11,336	\$8,325	\$5,351	\$2,524	\$380
CSW Energy, Inc.	247,936	321,873	324,835	327,879	318,094	320,569	311,013	307,676	305,456	312,152	311,561
Elmwood	276,246	351,153	379,365	400,862	394,756	383,699	369,122	373,992	372,877	370,081	368,962
AEP River Operations LLC	3,464,232	4,237,071	4,563,502	4,789,225	4,762,124	4,689,921	4,591,796	4,661,013	4,661,135	4,694,900	4,717,970
Miscellaneous	\$4,004,904	\$4,937,079	\$5,291,785	\$5,542,320	\$5,495,158	\$5,409,209	\$5,283,267	\$5,351,006	\$5,344,819	\$5,379,657	\$5,398,873
Total	\$122,179,275	\$182,002,074	\$180,992,364	\$189,634,273	\$176,818,373	\$164,252,352	\$157,780,668	\$156,676,730	\$154,966,107	\$154,337,752	\$154,617,467

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 2012 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$339,772,980	\$289,491,669	\$3,558,003	\$15,107,394	(\$20,919,813)	\$246,339	\$10,176,583	\$8,168,506
Appalachian Power Co - Generation	283,883,280	245,864,748	3,535,981	12,647,143	(17,767,159)	194,243	8,502,624	7,112,832
Appalachian Power Co - Transmission	52,151,303	42,084,042	469,164	2,315,428	(3,041,159)	31,085	1,561,990	1,336,508
Appalachian Power Co. - FERC	\$675,807,563	\$577,440,459	\$7,563,148	\$30,069,965	(\$41,728,131)	\$471,667	\$20,241,197	\$16,617,846
Cedar Coal Co	3,023,968	2,994,125	0	133,062	(216,367)	3,623	90,571	10,889
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$678,831,531	\$580,434,584	\$7,563,148	\$30,203,027	(\$41,944,498)	\$475,290	\$20,331,768	\$16,628,735
AEP Texas Central Company - Distribution	\$276,839,478	\$247,361,995	\$4,619,701	\$12,384,885	(\$17,875,356)	(\$1,148,328)	\$8,291,654	\$6,272,556
AEP Texas Central Company - Generation	28,421,971	34,674,378	448	1,250,655	(2,505,708)	0	851,270	(403,335)
AEP Texas Central Company - Transmission	29,516,844	26,376,531	574,820	1,324,106	(1,906,072)	(110,709)	884,063	766,208
AEP Texas Central Co.	\$334,778,293	\$308,412,904	\$5,194,969	\$14,959,646	(\$22,287,136)	(\$1,259,037)	\$10,026,987	\$6,635,429
Indiana Michigan Power Co - Distribution	\$181,243,915	\$153,784,915	\$2,039,081	\$8,064,895	(\$11,113,106)	\$127,998	\$5,428,459	\$4,547,327
Indiana Michigan Power Co - Generation	115,313,647	99,917,603	1,470,214	5,138,772	(7,220,441)	73,383	3,453,773	2,915,701
Indiana Michigan Power Co - Nuclear	215,386,606	199,704,289	5,081,161	9,701,115	(14,431,422)	149,776	6,451,071	6,951,701
Indiana Michigan Power Co - Transmission	39,672,872	32,651,388	431,710	1,764,699	(2,359,518)	25,673	1,188,247	1,050,811
Ind Mich River Transp Lakin	34,265,370	33,339,711	869,862	1,546,035	(2,409,259)	29,865	1,026,286	1,062,789
Indiana Michigan Power Co. - FERC	\$585,882,410	\$519,397,906	\$9,892,028	\$26,215,516	(\$37,533,746)	\$406,695	\$17,547,836	\$16,528,329
Price River Coal	402,241	449,523	0	17,700	(32,484)	454	12,048	(2,282)
Indiana Michigan Power Co. - SEC	\$586,284,651	\$519,847,429	\$9,892,028	\$26,233,216	(\$37,566,230)	\$407,149	\$17,559,884	\$16,526,047
Kentucky Power Co - Distribution	\$77,104,411	\$64,443,357	\$812,215	\$3,428,520	(\$4,656,932)	\$50,412	\$2,309,364	\$1,943,579
Kentucky Power Co - Generation	37,288,881	30,546,756	451,812	1,660,686	(2,207,429)	25,820	1,116,844	1,047,833
Kentucky Power Co - Transmission	8,386,319	7,306,118	148,383	375,548	(527,969)	6,387	251,180	253,529
Kentucky Power Co.	\$122,779,611	\$102,296,231	\$1,412,510	\$5,464,754	(\$7,392,330)	\$82,619	\$3,677,388	\$3,244,941
Cardinal Operating Company	\$78,555,565	\$63,402,845	\$1,042,160	\$3,502,493	(\$4,581,740)	\$46,293	\$2,352,828	\$2,362,034
Cook Coal Terminal	3,262,340	3,287,403	78,934	147,024	(237,561)	2,159	97,711	88,267
Ohio Power Co - Distribution	467,040,634	408,214,108	5,160,695	20,778,001	(29,499,166)	361,837	13,988,392	10,789,759
Ohio Power Co - Generation	384,904,718	401,752,949	3,901,299	17,108,405	(29,032,258)	267,935	11,528,329	3,773,710
Ohio Power Co - Transmission	77,109,220	66,010,163	790,869	3,427,793	(4,770,155)	60,727	2,309,508	1,818,742
Ohio Power Co. - FERC	\$1,010,872,477	\$942,667,468	\$10,973,957	\$44,963,716	(\$68,120,880)	\$738,951	\$30,276,768	\$18,832,512
Conesville Coal Preparation Company	4,401,563	3,882,402	24,539	194,759	(280,558)	1,912	131,832	72,484
Ohio Power Co. - SEC	\$1,015,274,040	\$946,549,870	\$10,998,496	\$45,158,475	(\$68,401,438)	\$740,863	\$30,408,600	\$18,904,996
Public Service Co of Oklahoma - Distribution	\$171,066,958	\$152,654,969	\$3,437,321	\$7,678,611	(\$11,031,452)	(\$636,847)	\$5,123,648	\$4,571,281
Public Service Co of Oklahoma - Generation	80,644,107	77,693,715	2,092,114	3,640,594	(5,614,455)	(243,616)	2,290,019	2,290,019
Public Service Co of Oklahoma - Transmission	20,603,544	18,946,241	414,828	924,859	(1,369,130)	(65,784)	617,099	521,872
Public Service Co. of Oklahoma	\$272,314,609	\$249,294,925	\$5,944,263	\$12,244,064	(\$18,015,037)	(\$946,247)	\$8,156,129	\$7,383,172
Southwestern Electric Power Co - Distribution	\$99,559,056	\$93,861,612	\$2,653,838	\$4,497,615	(\$6,782,811)	(\$311,829)	\$2,981,906	\$3,038,719
Southwestern Electric Power Co - Generation	106,356,459	100,304,189	2,837,505	4,804,799	(7,248,378)	(281,758)	3,185,496	3,297,664
Southwestern Electric Power Co - Texas - Distribution	54,871,875	50,435,717	1,216,837	2,468,039	(3,644,684)	(153,616)	1,643,474	1,530,050
Southwestern Electric Power Co - Texas - Transmission	583,274	520,560	0	25,865	(37,618)	(2,416)	17,470	3,101
Southwestern Electric Power Co - Transmission	15,345,049	15,948,773	385,438	692,179	(1,152,521)	(42,816)	459,601	341,881
Southwestern Electric Power Co.	\$276,715,713	\$261,070,851	\$7,093,618	\$12,488,297	(\$18,866,012)	(\$792,435)	\$8,287,947	\$8,211,415
AEP Texas North Company - Distribution	\$68,003,603	\$63,428,870	\$1,448,431	\$3,056,058	(\$4,583,621)	(\$225,360)	\$2,036,784	\$1,732,292
AEP Texas North Company - Generation	24,084,476	24,257,898	0	1,059,775	(1,752,972)	(157,011)	721,357	(128,851)
AEP Texas North Company - Transmission	10,575,894	9,851,977	309,641	478,990	(711,943)	(32,421)	316,760	361,027
AEP Texas North Co.	\$102,663,973	\$97,538,745	\$1,758,072	\$4,594,823	(\$7,048,536)	(\$414,792)	\$3,074,901	\$1,964,468
Kingsport Power Co - Distribution	\$13,686,722	\$11,338,348	\$127,428	\$607,856	(\$819,354)	\$9,522	\$409,933	\$335,385
Kingsport Power Co - Transmission	3,676,547	2,990,022	25,797	162,912	(216,071)	1,687	110,117	84,442
Kingsport Power Co.	\$17,363,269	\$14,328,370	\$153,225	\$770,768	(\$1,035,425)	\$11,209	\$520,050	\$419,827
Wheeling Power Co - Distribution	\$16,259,353	\$14,596,668	\$207,527	\$724,583	(\$1,054,813)	\$13,803	\$486,986	\$378,086
Wheeling Power Co - Transmission	863,286	979,463	0	37,987	(70,780)	755	25,856	(6,182)
Wheeling Power Co.	\$17,122,639	\$15,576,131	\$207,527	\$762,570	(\$1,125,593)	\$14,558	\$512,842	\$371,904
American Electric Power Service Corporation	\$1,451,916,921	\$1,268,222,165	\$21,111,887	\$64,816,832	(\$91,646,756)	\$114,930	\$43,486,544	\$37,883,437
American Electric Power Service Corp	\$1,451,916,921	\$1,268,222,165	\$21,111,887	\$64,816,832	(\$91,646,756)	\$114,930	\$43,486,544	\$37,883,437
AEP Pro Serv, Inc.	\$1,141,926	\$941,423	\$0	\$50,248	(\$68,031)	\$71	\$34,202	\$16,490
CSW Energy, Inc.	4,518,659	3,466,672	168,902	206,264	(250,515)	(12,054)	135,339	247,936
Elmwood	3,143,660	4,419,160	341,058	153,336	(319,346)	7,042	94,156	276,246
AEP River Operations LLC	29,412,194	38,597,036	3,869,342	1,464,468	(2,789,175)	38,669	880,928	3,464,232
Miscellaneous	\$38,216,439	\$47,424,291	\$4,379,302	\$1,874,316	(\$3,427,067)	\$33,728	\$1,144,625	\$4,004,904
Total	\$4,914,261,689	\$4,410,996,496	\$75,709,045	\$219,570,788	(\$318,756,058)	(\$1,532,165)	\$147,187,665	\$122,179,275

American Electric Power System Retirement Plan

**AMERICAN ELECTRIC POWER
QUALIFIED RETIREMENT PLAN
ESTIMATED 2013 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$338,925,026	\$272,696,914	\$3,942,451	\$14,923,997	(\$18,114,231)	\$95,769	\$10,800,282	\$11,648,268
Appalachian Power Co - Generation	263,174,807	233,714,819	3,918,050	12,496,295	(15,524,797)	86,548	9,023,729	10,001,825
Appalachian Power Co - Transmission	52,021,152	40,100,438	519,858	2,286,963	(2,663,721)	13,259	1,657,731	1,814,070
Appalachian Power Co. - FERC	\$674,120,985	\$546,512,171	\$8,380,359	\$29,707,245	(\$36,302,749)	\$197,576	\$21,481,732	\$23,464,163
Cedar Coal Co	3,016,421	2,782,291	0	131,296	(184,817)	256	96,122	42,857
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$677,137,406	\$549,294,462	\$8,380,359	\$29,838,541	(\$36,487,566)	\$197,832	\$21,577,854	\$23,507,020
AEP Texas Central Company - Distribution	\$276,148,584	\$232,168,599	\$5,118,867	\$12,242,732	(\$15,422,088)	\$290,727	\$8,799,830	\$11,030,068
AEP Texas Central Company - Generation	28,351,040	33,837,168	496	1,234,058	(2,247,676)	0	903,442	(109,680)
AEP Texas Central Company - Transmission	29,443,180	24,520,696	636,930	1,309,297	(1,628,818)	32,237	938,245	1,287,891
AEP Texas Central Co.	\$333,942,804	\$290,526,463	\$5,756,293	\$14,786,087	(\$19,298,582)	\$322,964	\$10,641,517	\$12,208,279
Indiana Michigan Power Co - Distribution	\$180,791,594	\$143,863,892	\$2,259,407	\$7,967,663	(\$9,556,338)	\$49,784	\$5,761,157	\$6,481,673
Indiana Michigan Power Co - Generation	115,025,865	95,147,436	1,629,073	5,077,641	(6,320,287)	32,157	3,665,447	4,084,031
Indiana Michigan Power Co - Nuclear	214,849,077	192,142,793	5,630,189	9,596,804	(12,763,324)	85,904	6,846,442	9,396,015
Indiana Michigan Power Co - Transmission	39,573,862	30,899,494	478,357	1,743,353	(2,052,537)	10,708	1,261,072	1,440,953
Ind Mich River Transp Lakin	34,179,856	32,162,160	963,852	1,529,701	(2,136,411)	16,825	1,089,185	1,463,152
Indiana Michigan Power Co. - FERC	\$584,420,254	\$494,215,775	\$10,960,878	\$25,915,162	(\$32,828,897)	\$195,378	\$18,623,303	\$22,865,824
Price River Coal	401,237	432,723	0	17,465	(28,744)	32	12,786	1,539
Indiana Michigan Power Co. - SEC	\$584,821,491	\$494,648,498	\$10,960,878	\$25,932,627	(\$32,857,641)	\$195,410	\$18,636,089	\$22,867,363
Kentucky Power Co - Distribution	\$76,911,986	\$60,727,298	\$899,976	\$3,386,922	(\$4,033,886)	\$24,194	\$2,450,899	\$2,728,105
Kentucky Power Co - Generation	37,195,821	29,210,045	500,742	1,640,819	(1,940,314)	12,900	1,185,293	1,399,440
Kentucky Power Co - Transmission	8,365,390	7,070,780	164,416	371,277	(469,685)	3,861	266,574	336,443
Kentucky Power Co.	\$122,473,197	\$97,008,123	\$1,565,134	\$5,399,018	(\$6,443,885)	\$40,955	\$3,902,766	\$4,463,988
Cardinal Operating Company	\$78,359,518	\$59,964,456	\$1,154,767	\$3,461,019	(\$3,983,213)	\$18,876	\$2,497,027	\$3,148,476
Cook Coal Terminal	3,254,198	3,170,694	87,463	145,453	(210,617)	963	103,699	126,961
Ohio Power Co - Distribution	465,875,065	383,190,471	5,718,316	20,527,051	(25,453,903)	131,694	14,845,708	15,768,866
Ohio Power Co - Generation	383,944,131	384,534,052	4,322,840	16,900,102	(25,543,152)	104,404	12,234,873	8,019,067
Ohio Power Co - Transmission	76,916,783	62,417,068	676,324	3,386,102	(4,146,131)	25,286	2,451,052	2,592,633
Ohio Power Co. - FERC	\$1,008,349,695	\$893,276,741	\$12,159,710	\$44,419,727	(\$59,337,016)	\$281,223	\$32,132,359	\$29,656,003
Conesville Coal Preparation Company	4,390,578	3,678,491	27,190	192,292	(344,348)	705	139,911	115,750
Ohio Power Co. - SEC	\$1,012,740,273	\$896,955,232	\$12,186,900	\$44,612,019	(\$59,581,364)	\$281,928	\$32,272,270	\$29,771,753
Public Service Co of Oklahoma - Distribution	\$170,640,035	\$143,315,589	\$3,808,729	\$7,593,234	(\$9,519,916)	\$182,961	\$5,437,664	\$7,502,672
Public Service Co of Oklahoma - Generation	80,442,848	73,458,912	2,318,170	3,602,340	(4,879,599)	93,179	2,563,415	3,697,505
Public Service Co of Oklahoma - Transmission	20,552,125	17,879,054	459,651	914,580	(1,187,638)	22,686	654,920	864,199
Public Service Co. of Oklahoma	\$271,635,008	\$234,653,555	\$6,586,550	\$12,110,154	(\$15,587,153)	\$298,826	\$8,655,999	\$12,064,376
Southwestern Electric Power Co - Distribution	\$99,310,592	\$88,853,722	\$2,940,590	\$4,450,689	(\$5,902,219)	\$128,735	\$3,164,660	\$4,782,455
Southwestern Electric Power Co - Generation	106,091,031	94,804,134	3,144,102	4,754,679	(6,297,482)	133,858	3,380,727	5,115,884
Southwestern Electric Power Co - Texas - Distribution	54,734,934	47,278,281	1,348,318	2,441,136	(3,140,519)	66,462	1,744,199	2,459,596
Southwestern Electric Power Co - Texas - Transmission	581,818	498,257	0	25,325	(33,097)	104	18,540	10,872
Southwestern Electric Power Co - Transmission	15,306,753	15,205,765	427,085	684,847	(1,010,062)	21,709	487,769	611,348
Southwestern Electric Power Co.	\$276,025,128	\$246,640,159	\$7,860,095	\$12,356,676	(\$16,383,379)	\$350,868	\$8,795,895	\$12,980,155
AEP Texas North Company - Distribution	\$67,833,890	\$59,786,755	\$1,604,936	\$3,022,465	(\$3,971,409)	\$89,255	\$2,161,614	\$2,906,861
AEP Texas North Company - Generation	24,024,370	22,853,355	0	1,045,709	(1,518,062)	7,536	765,567	300,750
AEP Texas North Company - Transmission	10,549,500	9,406,575	343,098	474,122	(624,843)	12,469	336,173	541,019
AEP Texas North Co.	\$102,407,760	\$92,046,685	\$1,948,034	\$4,542,296	(\$6,114,314)	\$109,260	\$3,263,354	\$3,748,630
Kingsport Power Co - Distribution	\$13,652,565	\$10,659,208	\$141,197	\$600,401	(\$708,051)	\$3,610	\$435,057	\$472,214
Kingsport Power Co - Transmission	3,667,372	2,824,237	28,584	160,874	(187,603)	562	116,866	119,283
Kingsport Power Co.	\$17,319,937	\$13,483,445	\$169,781	\$761,275	(\$895,654)	\$4,172	\$551,923	\$591,497
Wheeling Power Co - Distribution	\$16,218,775	\$13,654,112	\$229,951	\$715,964	(\$906,991)	\$6,413	\$516,832	\$562,169
Wheeling Power Co - Transmission	861,132	910,907	0	37,483	(60,508)	53	27,441	4,469
Wheeling Power Co.	\$17,079,907	\$14,565,019	\$229,951	\$753,447	(\$967,499)	\$6,466	\$544,273	\$566,638
American Electric Power Service Corporation	\$1,448,293,447	\$1,203,718,335	\$23,393,058	\$64,058,118	(\$79,958,488)	\$650,870	\$46,151,737	\$54,295,296
American Electric Power Service Corp	\$1,448,293,447	\$1,203,718,335	\$23,393,058	\$64,058,118	(\$79,958,488)	\$650,870	\$46,151,737	\$54,295,296
AEP Pro Serv. Inc.	\$1,139,076	\$887,279	\$0	\$49,581	(\$58,939)	\$42	\$36,298	\$26,982
CSW Energy, Inc.	4,507,382	3,265,212	187,152	204,339	(216,896)	3,644	143,634	321,873
Elmwood	3,135,815	4,310,761	377,910	152,942	(286,348)	6,722	99,927	351,153
AEP River Operations LLC	29,338,792	37,432,892	4,267,431	1,463,649	(2,486,526)	37,599	934,918	4,237,071
Miscellaneous	\$38,121,065	\$45,896,144	\$4,852,493	\$1,870,511	(\$3,048,709)	\$48,007	\$1,214,777	\$4,937,079
Total	\$4,901,997,423	\$4,179,436,120	\$83,889,526	\$217,020,769	(\$277,624,234)	\$2,507,558	\$156,208,454	\$182,002,074

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2014 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$338,613,180	\$281,803,950	\$4,368,439	\$14,749,864	(\$17,322,362)	\$95,769	\$9,404,033	\$11,295,743
Appalachian Power Co - Generation	282,914,257	241,625,777	4,341,401	12,353,379	(14,852,628)	88,548	7,857,151	9,787,851
Appalachian Power Co - Transmission	51,973,287	42,386,488	576,029	2,259,874	(2,605,478)	13,259	1,443,412	1,687,096
Appalachian Power Co. - FERC	\$673,500,724	\$565,816,215	\$9,285,869	\$29,363,117	(\$34,780,468)	\$197,576	\$18,704,596	\$22,770,690
Cedar Coal Co	3,013,646	2,764,868	0	129,601	(169,955)	256	83,696	43,598
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$676,514,370	\$568,581,083	\$9,285,869	\$29,492,718	(\$34,950,423)	\$197,832	\$18,788,292	\$22,814,288
AEP Texas Central Company - Distribution	\$275,894,498	\$238,016,304	\$5,671,969	\$12,108,716	(\$14,630,755)	\$290,197	\$7,662,197	\$11,102,324
AEP Texas Central Company - Generation	28,324,954	35,496,479	550	1,218,133	(2,181,953)	0	786,646	(176,624)
AEP Texas Central Company - Transmission	29,416,090	25,152,032	705,752	1,295,385	(1,546,084)	32,185	816,950	1,304,188
AEP Texas Central Co.	\$333,635,542	\$298,664,815	\$6,378,271	\$14,622,234	(\$18,358,792)	\$322,382	\$9,265,793	\$12,229,888
Indiana Michigan Power Co - Distribution	\$180,625,247	\$148,542,739	\$2,503,540	\$7,875,421	(\$9,130,855)	\$49,784	\$5,016,360	\$6,314,250
Indiana Michigan Power Co - Generation	114,920,029	99,071,842	1,805,097	5,019,743	(6,089,902)	32,157	3,191,582	3,958,677
Indiana Michigan Power Co - Nuclear	214,651,393	200,341,556	6,238,540	9,499,333	(12,314,905)	85,904	5,961,341	9,470,210
Indiana Michigan Power Co - Transmission	39,537,450	32,372,102	530,044	1,723,096	(1,989,899)	10,708	1,098,042	1,371,991
Ind Mich River Transp Lakin	34,148,407	33,517,166	1,067,998	1,514,475	(2,060,285)	16,825	948,376	1,487,389
Indiana Michigan Power Co. - FERC	\$583,882,526	\$513,845,405	\$12,145,219	\$25,632,068	(\$31,585,846)	\$195,378	\$16,215,701	\$22,602,520
Price River Coal	400,868	445,467	0	17,239	(27,383)	32	11,133	1,021
Indiana Michigan Power Co. - SEC	\$584,283,394	\$514,290,872	\$12,145,219	\$25,649,307	(\$31,613,229)	\$195,410	\$16,226,834	\$22,603,541
Kentucky Power Co - Distribution	\$76,841,218	\$63,610,350	\$997,220	\$3,347,428	(\$3,910,100)	\$24,194	\$2,134,050	\$2,692,792
Kentucky Power Co - Generation	37,161,597	30,809,324	554,848	1,621,989	(1,893,835)	12,900	1,032,059	1,327,961
Kentucky Power Co - Transmission	8,357,693	7,416,787	182,181	367,256	(455,907)	3,861	232,112	329,503
Kentucky Power Co.	\$122,360,508	\$101,836,461	\$1,734,249	\$5,336,673	(\$6,259,842)	\$40,955	\$3,398,221	\$4,250,256
Cardinal Operating Company	\$78,287,419	\$63,155,515	\$1,279,542	\$3,421,763	(\$3,882,141)	\$18,876	\$2,174,214	\$3,012,254
Cook Coal Terminal	3,251,204	3,282,072	96,913	143,985	(201,747)	963	90,293	130,407
Ohio Power Co - Distribution	465,446,411	392,963,695	6,336,190	20,288,927	(24,155,302)	131,694	12,926,470	15,527,979
Ohio Power Co - Generation	383,590,862	393,483,520	4,789,931	16,702,247	(24,187,256)	104,404	10,653,161	8,062,487
Ohio Power Co - Transmission	76,846,011	64,457,433	971,012	3,346,507	(3,962,169)	25,286	2,134,183	2,514,819
Ohio Power Co. - FERC	\$1,007,421,907	\$917,342,235	\$13,473,588	\$43,903,429	(\$56,388,615)	\$281,223	\$27,978,321	\$29,247,946
Conesville Coal Preparation Company	4,366,538	3,779,805	30,128	169,938	(232,343)	705	121,824	110,252
Ohio Power Co. - SEC	\$1,011,808,445	\$921,122,400	\$13,503,716	\$44,093,367	(\$56,620,958)	\$281,928	\$28,100,145	\$29,358,198
Public Service Co of Oklahoma - Distribution	\$170,483,028	\$146,646,862	\$4,220,269	\$7,513,085	(\$9,014,317)	\$182,659	\$4,734,689	\$7,636,385
Public Service Co of Oklahoma - Generation	80,368,832	74,440,415	2,568,652	3,566,712	(4,575,819)	93,055	2,232,019	3,884,619
Public Service Co of Oklahoma - Transmission	20,533,215	18,270,563	509,317	904,930	(1,123,083)	22,653	570,253	884,070
Public Service Co. of Oklahoma	\$271,385,075	\$239,357,840	\$7,298,238	\$11,984,727	(\$14,713,219)	\$298,367	\$7,536,961	\$12,405,074
Southwestern Electric Power Co - Distribution	\$99,219,215	\$90,530,559	\$3,258,325	\$4,407,029	(\$5,564,873)	\$128,573	\$2,755,536	\$4,984,590
Southwestern Electric Power Co - Generation	105,993,416	96,162,309	3,483,827	4,708,050	(5,911,054)	133,705	2,943,670	5,358,198
Southwestern Electric Power Co - Texas - Distribution	54,684,572	48,223,731	1,494,006	2,415,950	(2,964,291)	66,381	1,518,711	2,530,757
Southwestern Electric Power Co - Texas - Transmission	581,283	513,351	0	24,998	(31,555)	103	16,144	3,690
Southwestern Electric Power Co - Transmission	15,292,669	15,524,320	473,232	678,010	(954,273)	21,686	424,711	643,366
Southwestern Electric Power Co.	\$275,771,155	\$250,954,270	\$8,709,390	\$12,234,037	(\$15,426,046)	\$350,448	\$7,658,772	\$13,526,601
AEP Texas North Company - Distribution	\$67,771,476	\$60,227,363	\$1,778,352	\$2,990,978	(\$3,702,149)	\$89,140	\$1,882,163	\$3,038,484
AEP Texas North Company - Generation	24,002,265	22,915,432	0	1,032,213	(1,408,601)	7,475	666,596	297,683
AEP Texas North Company - Transmission	10,539,794	9,691,477	380,171	469,611	(595,731)	12,453	292,713	559,217
AEP Texas North Co.	\$102,313,535	\$92,834,272	\$2,158,523	\$4,492,802	(\$5,706,481)	\$109,068	\$2,841,472	\$3,895,384
Kingsport Power Co - Distribution	\$13,640,003	\$11,089,023	\$156,453	\$593,314	(\$681,637)	\$3,610	\$378,813	\$450,553
Kingsport Power Co - Transmission	3,663,997	2,944,555	31,673	158,932	(181,000)	562	101,757	111,924
Kingsport Power Co.	\$17,304,000	\$14,033,578	\$188,126	\$752,246	(\$862,637)	\$4,172	\$480,570	\$562,477
Wheeling Power Co - Distribution	\$16,203,852	\$14,000,904	\$254,797	\$707,801	(\$860,629)	\$6,413	\$450,017	\$558,399
Wheeling Power Co - Transmission	860,339	904,940	0	36,999	(55,626)	53	23,894	6,320
Wheeling Power Co.	\$17,064,191	\$14,905,844	\$254,797	\$744,800	(\$916,255)	\$6,466	\$473,911	\$563,719
American Electric Power Service Corporation	\$1,446,960,866	\$1,246,249,551	\$25,920,720	\$63,341,015	(\$76,606,399)	\$650,531	\$40,185,286	\$53,491,153
American Electric Power Service Corp	\$1,446,960,866	\$1,246,249,551	\$25,920,720	\$63,341,015	(\$76,606,399)	\$650,531	\$40,185,286	\$53,491,153
AEP Pro Serv. Inc.	\$1,138,028	\$919,253	\$0	\$48,941	(\$56,506)	\$42	\$31,606	\$24,083
CSW Energy, Inc.	4,503,235	3,478,500	207,374	202,579	(213,822)	3,639	125,065	324,835
Elmwood	3,132,929	4,650,234	418,744	152,739	(285,848)	6,722	87,008	379,365
AEP River Operations LLC	29,311,797	40,730,677	4,750,695	1,464,851	(2,503,696)	37,599	814,053	4,563,502
Miscellaneous	\$38,085,989	\$49,778,664	\$5,376,813	\$1,869,110	(\$3,059,872)	\$48,002	\$1,057,732	\$5,291,785
Total	\$4,897,487,070	\$4,312,609,290	\$92,953,931	\$214,613,036	(\$265,094,153)	\$2,505,561	\$136,013,989	\$180,992,364

American Electric Power System Retirement Plan

AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2015 NET PERIODIC PENSION COST

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$338,135,865	\$286,975,433	\$4,576,431	\$14,560,205	(\$16,067,010)	\$86,250	\$8,489,136	\$11,645,012
Appalachian Power Co - Generation	282,515,457	245,889,327	4,548,106	12,195,956	(13,766,706)	81,866	7,092,747	10,151,969
Appalachian Power Co - Transmission	51,900,024	43,735,495	603,456	2,230,621	(2,448,637)	12,132	1,302,986	1,700,558
Appalachian Power Co. - FERC	\$672,551,346	\$576,600,255	\$9,727,993	\$28,986,782	(\$32,282,353)	\$100,248	\$16,884,869	\$23,497,539
Cedar Coal Co	3,009,398	2,737,339	0	127,855	(153,257)	43	75,553	50,194
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$675,560,744	\$579,337,594	\$9,727,993	\$29,114,637	(\$32,435,610)	\$180,291	\$16,960,422	\$23,547,733
AEP Texas Central Company - Distribution	\$275,505,593	\$239,593,887	\$5,942,026	\$11,957,362	(\$13,414,241)	\$237,577	\$6,916,759	\$11,639,483
AEP Texas Central Company - Generation	28,285,027	36,585,698	576	1,201,720	(2,048,338)	0	710,115	(135,927)
AEP Texas Central Company - Transmission	29,374,624	25,460,812	739,354	1,279,399	(1,425,485)	26,951	737,470	1,357,689
AEP Texas Central Co.	\$333,165,244	\$301,640,397	\$6,681,956	\$14,438,481	(\$16,888,064)	\$264,528	\$8,364,344	\$12,861,245
Indiana Michigan Power Co - Distribution	\$180,370,635	\$150,524,611	\$2,622,739	\$7,774,512	(\$8,427,483)	\$44,840	\$4,528,330	\$6,542,938
Indiana Michigan Power Co - Generation	114,758,036	101,226,036	1,891,042	4,955,861	(5,667,383)	29,551	2,881,080	4,090,151
Indiana Michigan Power Co - Nuclear	214,348,817	204,166,031	6,535,572	9,384,320	(11,430,727)	81,866	5,381,376	9,952,407
Indiana Michigan Power Co - Transmission	39,481,718	33,190,033	555,281	1,700,980	(1,858,224)	9,762	991,216	1,399,015
Ind Mich River Transp Lakin	34,100,271	34,237,875	1,118,848	1,496,292	(1,916,890)	16,001	856,111	1,570,362
Indiana Michigan Power Co. - FERC	\$583,059,477	\$523,344,586	\$12,723,482	\$25,311,965	(\$29,300,707)	\$182,020	\$14,638,113	\$23,554,873
Price River Coal	400,303	450,060	0	17,007	(25,198)	5	10,050	1,864
Indiana Michigan Power Co. - SEC	\$583,459,780	\$523,794,646	\$12,723,482	\$25,328,972	(\$29,325,905)	\$182,025	\$14,648,163	\$23,556,737
Kentucky Power Co - Distribution	\$76,732,902	\$65,234,975	\$1,044,700	\$3,304,398	(\$3,652,337)	\$22,536	\$1,926,433	\$2,645,730
Kentucky Power Co - Generation	37,109,213	31,700,250	581,265	1,601,288	(1,774,815)	12,083	931,653	1,351,474
Kentucky Power Co - Transmission	8,345,912	7,604,243	190,856	362,686	(425,742)	3,701	209,530	341,031
Kentucky Power Co.	\$122,188,027	\$104,539,468	\$1,816,821	\$5,268,372	(\$5,852,894)	\$38,320	\$3,067,616	\$4,338,235
Cardinal Operating Company	\$78,177,064	\$64,725,443	\$1,340,464	\$3,378,319	(\$3,623,810)	\$17,142	\$1,962,690	\$3,074,805
Cook Coal Terminal	3,246,621	3,337,435	101,528	142,247	(186,854)	887	81,509	139,317
Ohio Power Co - Distribution	464,790,311	396,972,360	6,637,871	20,028,726	(22,225,453)	117,145	11,668,884	16,227,173
Ohio Power Co - Generation	383,050,147	395,925,759	5,017,991	16,487,157	(22,166,857)	94,066	9,616,740	9,049,097
Ohio Power Co - Transmission	76,737,688	65,631,803	1,017,244	3,303,434	(3,674,554)	23,045	1,926,553	2,595,722
Ohio Power Co. - FERC	\$1,006,001,831	\$926,592,800	\$14,115,098	\$43,339,883	(\$51,877,528)	\$252,285	\$25,256,376	\$31,086,114
Conesville Coal Preparation Company	4,380,355	3,821,596	31,563	187,441	(213,961)	629	109,972	115,644
Ohio Power Co. - SEC	\$1,010,382,186	\$930,414,396	\$14,146,661	\$43,527,324	(\$52,091,489)	\$252,914	\$25,366,348	\$31,201,758
Public Service Co of Oklahoma - Distribution	\$170,242,713	\$147,702,038	\$4,421,206	\$7,420,634	(\$8,269,454)	\$152,670	\$4,274,062	\$7,999,116
Public Service Co of Oklahoma - Generation	80,255,543	73,730,146	2,690,952	3,523,999	(4,127,960)	80,740	2,014,871	4,182,602
Public Service Co of Oklahoma - Transmission	20,504,271	18,349,979	533,567	893,797	(1,027,368)	19,403	514,774	934,173
Public Service Co. of Oklahoma	\$271,002,527	\$239,782,163	\$7,645,725	\$11,838,430	(\$13,424,782)	\$252,813	\$6,803,707	\$13,115,893
Southwestern Electric Power Co - Distribution	\$99,079,355	\$90,357,947	\$3,413,462	\$4,354,429	(\$5,058,907)	\$112,469	\$2,487,456	\$5,308,909
Southwestern Electric Power Co - Generation	105,844,006	96,392,999	3,649,701	4,651,863	(5,396,794)	118,503	2,657,287	5,680,560
Southwestern Electric Power Co - Texas - Distribution	54,607,488	48,447,474	1,565,140	2,386,506	(2,712,448)	58,311	1,370,959	2,668,468
Southwestern Electric Power Co - Texas - Transmission	580,464	523,171	0	24,661	(29,291)	11	14,573	9,954
Southwestern Electric Power Co - Transmission	15,271,113	15,451,281	495,764	669,859	(865,077)	19,320	383,392	703,258
Southwestern Electric Power Co.	\$275,382,426	\$251,172,872	\$9,124,067	\$12,087,318	(\$14,062,517)	\$308,614	\$6,913,667	\$14,371,149
AEP Texas North Company - Distribution	\$67,675,944	\$60,504,927	\$1,863,024	\$2,954,378	(\$3,387,514)	\$77,637	\$1,699,052	\$3,206,577
AEP Texas North Company - Generation	23,968,431	22,669,849	0	1,018,304	(1,269,226)	1,465	601,744	352,287
AEP Texas North Company - Transmission	10,524,937	9,586,407	398,271	464,075	(536,718)	10,813	264,236	600,677
AEP Texas North Co.	\$102,169,312	\$92,761,183	\$2,261,295	\$4,436,757	(\$5,193,458)	\$89,915	\$2,565,032	\$4,159,541
Kingsport Power Co - Distribution	\$13,620,776	\$11,330,662	\$163,902	\$585,645	(\$634,374)	\$3,237	\$341,959	\$460,369
Kingsport Power Co - Transmission	3,658,832	3,010,378	33,181	156,856	(168,543)	491	91,858	113,843
Kingsport Power Co.	\$17,279,608	\$14,341,040	\$197,083	\$742,501	(\$802,917)	\$3,728	\$433,817	\$574,212
Wheeling Power Co - Distribution	\$16,181,011	\$14,143,162	\$266,929	\$698,794	(\$791,839)	\$5,900	\$406,236	\$586,020
Wheeling Power Co - Transmission	859,126	886,205	0	36,500	(49,616)	9	21,569	8,462
Wheeling Power Co.	\$17,040,137	\$15,029,367	\$266,929	\$735,294	(\$841,455)	\$5,909	\$427,805	\$594,482
American Electric Power Service Corporation	\$1,444,921,204	\$1,264,456,502	\$27,154,868	\$62,541,462	(\$70,793,639)	\$592,525	\$36,275,751	\$55,770,968
American Electric Power Service Corp	\$1,444,921,204	\$1,264,456,502	\$27,154,868	\$62,541,462	(\$70,793,639)	\$592,525	\$36,275,751	\$55,770,968
AEP Pro Serv, Inc.	\$1,136,424	\$937,671	\$0	\$48,281	(\$52,498)	\$40	\$28,531	\$24,354
CSW Energy, Inc.	4,496,887	3,672,413	217,248	200,281	(205,609)	3,062	112,897	327,879
Elmwood	3,128,513	4,904,964	438,681	151,553	(274,616)	6,701	78,543	400,862
AEP River Operations LLC	29,270,478	43,135,695	4,976,887	1,455,007	(2,415,056)	37,531	734,856	4,789,225
Miscellaneous	\$38,032,302	\$52,650,743	\$5,632,816	\$1,855,122	(\$2,947,779)	\$47,334	\$954,827	\$5,542,320
Total	\$4,890,583,497	\$4,369,920,371	\$97,379,696	\$211,914,670	(\$244,660,509)	\$2,218,916	\$122,781,499	\$189,634,273

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2016 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$337,210,144	\$290,473,169	\$4,794,327	\$14,357,963	(\$16,534,202)	\$84,048	\$7,884,665	\$10,586,801
Appalachian Power Co - Generation	281,742,008	247,372,511	4,764,652	12,028,065	(14,080,843)	80,120	6,587,706	9,379,700
Appalachian Power Co - Transmission	51,757,937	44,405,529	632,188	2,199,432	(2,527,634)	11,874	1,210,207	1,526,067
Appalachian Power Co. - FERC	\$670,710,089	\$582,251,209	\$10,191,167	\$28,585,460	(\$33,142,679)	\$176,042	\$15,682,578	\$21,492,568
Cedar Coal Co	3,001,159	2,708,111	0	125,994	(154,150)	0	70,173	42,017
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$673,711,248	\$584,959,320	\$10,191,167	\$28,711,454	(\$33,296,829)	\$176,042	\$15,752,751	\$21,534,585
AEP Texas Central Company - Distribution	\$274,751,336	\$241,727,838	\$6,224,940	\$11,795,890	(\$13,759,539)	\$230,717	\$6,424,250	\$10,916,258
AEP Texas Central Company - Generation	28,207,590	36,966,915	604	1,184,231	(2,104,217)	0	659,551	(259,831)
AEP Texas Central Company - Transmission	29,294,205	25,701,003	774,557	1,262,341	(1,462,943)	26,282	684,959	1,285,196
AEP Texas Central Co.	\$332,253,131	\$304,395,756	\$7,000,101	\$14,242,462	(\$17,326,699)	\$256,999	\$7,768,760	\$11,941,623
Indiana Michigan Power Co - Distribution	\$179,876,830	\$152,551,090	\$2,747,614	\$7,666,903	(\$8,683,454)	\$43,409	\$4,205,889	\$5,980,361
Indiana Michigan Power Co - Generation	114,443,860	102,206,895	1,981,079	4,887,729	(5,817,782)	28,877	2,675,932	3,755,835
Indiana Michigan Power Co - Nuclear	213,761,990	205,966,950	6,846,747	9,261,552	(11,723,971)	80,170	4,998,194	9,462,692
Indiana Michigan Power Co - Transmission	39,373,628	32,837,783	581,719	1,677,397	(1,869,180)	9,513	920,636	1,320,085
Ind Mich River Transp Lakin	34,006,914	34,560,637	1,172,119	1,476,879	(1,967,247)	15,502	795,151	1,492,404
Indiana Michigan Power Co. - FERC	\$581,463,222	\$528,123,355	\$13,329,278	\$24,970,460	(\$30,061,634)	\$177,471	\$13,595,802	\$22,011,377
Price River Coal	399,207	448,419	0	16,759	(25,525)	0	9,334	568
Indiana Michigan Power Co. - SEC	\$581,862,429	\$528,571,774	\$13,329,278	\$24,987,219	(\$30,087,159)	\$177,471	\$13,605,136	\$22,011,945
Kentucky Power Co - Distribution	\$76,522,829	\$66,258,494	\$1,094,441	\$3,258,513	(\$3,771,540)	\$22,145	\$1,789,261	\$2,392,820
Kentucky Power Co - Generation	37,007,619	32,168,751	608,941	1,579,211	(1,831,097)	11,852	865,314	1,234,221
Kentucky Power Co - Transmission	8,323,063	7,673,217	199,943	357,811	(436,772)	3,639	194,610	319,231
Kentucky Power Co.	\$121,853,511	\$106,100,462	\$1,903,325	\$5,195,535	(\$6,039,409)	\$37,636	\$2,849,185	\$3,946,272
Cardinal Operating Company	\$77,963,037	\$65,878,455	\$1,404,286	\$3,331,983	(\$3,749,908)	\$16,734	\$1,822,936	\$2,826,031
Cook Coal Terminal	3,237,733	3,344,542	106,362	140,391	(190,377)	871	75,705	132,952
Ohio Power Co - Distribution	463,517,845	399,313,345	6,953,917	19,751,252	(22,729,560)	113,103	10,837,998	14,926,710
Ohio Power Co - Generation	382,001,463	391,950,070	5,256,910	16,257,803	(22,310,431)	91,345	8,931,979	8,227,606
Ohio Power Co - Transmission	76,527,601	66,277,176	1,065,677	3,257,505	(3,772,604)	22,377	1,789,373	2,362,328
Ohio Power Co. - FERC	\$1,003,247,679	\$926,763,588	\$14,787,152	\$42,738,934	(\$52,752,880)	\$244,430	\$23,457,991	\$28,475,627
Conesville Coal Preparation Company	4,368,363	3,851,202	33,066	184,780	(219,217)	614	102,141	101,384
Ohio Power Co. - SEC	\$1,007,616,042	\$930,614,790	\$14,820,218	\$42,923,714	(\$52,972,097)	\$245,044	\$23,560,132	\$28,577,011
Public Service Co of Oklahoma - Distribution	\$169,776,636	\$148,412,700	\$4,631,710	\$7,321,976	(\$8,447,891)	\$148,180	\$3,969,726	\$7,623,701
Public Service Co of Oklahoma - Generation	80,035,825	73,820,315	2,819,075	3,478,398	(4,201,972)	79,178	1,871,402	4,046,081
Public Service Co of Oklahoma - Transmission	20,448,136	18,375,316	558,971	881,916	(1,045,953)	18,956	478,119	892,009
Public Service Co. of Oklahoma	\$270,260,597	\$240,608,331	\$8,009,756	\$11,682,290	(\$13,695,816)	\$246,314	\$6,319,247	\$12,561,791
Southwestern Electric Power Co - Distribution	\$98,808,103	\$90,533,698	\$3,575,985	\$4,298,268	(\$5,153,324)	\$110,193	\$2,310,336	\$5,141,458
Southwestern Electric Power Co - Generation	105,554,235	96,751,836	3,823,472	4,591,873	(5,507,271)	116,270	2,468,075	5,492,419
Southwestern Electric Power Co - Texas - Distribution	54,457,988	48,815,756	1,639,660	2,355,080	(2,778,672)	57,264	1,273,340	2,546,672
Southwestern Electric Power Co - Texas - Transmission	578,874	527,541	0	24,302	(30,028)	0	13,535	7,809
Southwestern Electric Power Co - Transmission	15,229,305	15,256,187	519,369	661,158	(868,407)	18,985	356,092	687,197
Southwestern Electric Power Co.	\$274,628,505	\$251,885,018	\$9,558,486	\$11,930,681	(\$14,337,702)	\$302,712	\$6,421,378	\$13,875,555
AEP Texas North Company - Distribution	\$67,490,666	\$61,029,929	\$1,951,727	\$2,915,317	(\$3,473,922)	\$76,192	\$1,578,070	\$3,047,384
AEP Texas North Company - Generation	23,902,812	22,180,880	0	1,003,483	(1,262,572)	760	558,897	300,568
AEP Texas North Company - Transmission	10,496,122	9,613,217	417,234	458,162	(547,200)	10,619	245,421	584,236
AEP Texas North Co.	\$101,889,600	\$92,824,026	\$2,368,961	\$4,376,962	(\$5,283,694)	\$87,571	\$2,382,388	\$3,932,188
Kingsport Power Co - Distribution	\$13,583,486	\$11,490,489	\$171,706	\$577,468	(\$654,057)	\$3,146	\$317,610	\$415,873
Kingsport Power Co - Transmission	3,648,816	3,050,227	34,761	154,643	(173,624)	471	85,317	101,568
Kingsport Power Co.	\$17,232,302	\$14,540,716	\$206,467	\$732,111	(\$827,681)	\$3,617	\$402,927	\$517,441
Wheeling Power Co - Distribution	\$16,136,712	\$14,229,732	\$279,638	\$689,188	(\$809,979)	\$5,760	\$377,309	\$541,916
Wheeling Power Co - Transmission	856,774	857,899	0	35,969	(48,833)	0	20,033	7,169
Wheeling Power Co.	\$16,993,486	\$15,087,631	\$279,638	\$725,157	(\$858,812)	\$5,760	\$397,342	\$549,085
American Electric Power Service Corporation	\$1,440,965,414	\$1,274,135,471	\$28,447,779	\$61,688,612	(\$72,525,850)	\$572,445	\$33,692,733	\$51,875,719
American Electric Power Service Corp	\$1,440,965,414	\$1,274,135,471	\$28,447,779	\$61,688,612	(\$72,525,850)	\$572,445	\$33,692,733	\$51,875,719
AEP Pro Serv. Inc.	\$1,133,313	\$947,501	\$0	\$47,579	(\$53,933)	\$39	\$26,499	\$20,184
CSW Energy, Inc.	4,484,576	3,779,407	227,592	197,825	(215,130)	2,948	104,859	318,094
Elmwood	3,119,948	5,174,660	459,568	150,275	(294,550)	6,512	72,951	394,756
AEP River Operations LLC	29,190,344	45,941,549	5,213,849	1,444,350	(2,615,067)	36,462	682,530	4,762,124
Miscellaneous	\$37,928,181	\$55,843,117	\$5,901,009	\$1,840,029	(\$3,178,680)	\$45,961	\$886,839	\$5,495,158
Total	\$4,877,194,446	\$4,399,566,412	\$102,016,185	\$209,036,226	(\$250,430,428)	\$2,157,572	\$114,038,818	\$176,818,373

American Electric Power System Retirement Plan

AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2017 NET PERIODIC PENSION COST

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$336,115,375	\$302,763,703	\$5,022,596	\$14,141,517	(\$17,054,555)	\$78,793	\$7,323,190	\$9,511,541
Appalachian Power Co - Generation	280,827,319	255,204,015	4,991,509	11,848,320	(14,375,538)	74,093	6,118,589	8,656,973
Appalachian Power Co - Transmission	51,589,902	46,280,359	662,288	2,166,080	(2,600,954)	11,419	1,124,027	1,356,840
Appalachian Power Co. - FERC	\$668,532,596	\$604,248,077	\$10,676,393	\$28,155,897	(\$34,037,047)	\$164,305	\$14,565,806	\$19,525,354
Cedar Coal Co	2,991,415	2,766,646	0	124,006	(155,844)	0	65,176	33,338
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$671,524,011	\$607,014,723	\$10,676,393	\$28,279,903	(\$34,192,891)	\$164,305	\$14,630,982	\$19,558,692
AEP Texas Central Company - Distribution	\$273,859,343	\$251,102,398	\$6,521,325	\$11,622,887	(\$14,144,495)	\$32,327	\$5,966,773	\$9,998,817
AEP Texas Central Company - Generation	28,116,013	36,810,212	632	1,165,546	(2,073,504)	0	612,584	(294,742)
AEP Texas Central Company - Transmission	29,199,100	26,811,216	811,435	1,244,055	(1,510,265)	3,887	636,182	1,185,294
AEP Texas Central Co.	\$331,174,456	\$314,723,826	\$7,333,392	\$14,032,488	(\$17,728,264)	\$36,214	\$7,215,539	\$10,889,369
Indiana Michigan Power Co - Distribution	\$179,292,852	\$160,265,208	\$2,878,435	\$7,551,720	(\$9,027,674)	\$37,120	\$3,906,384	\$5,345,985
Indiana Michigan Power Co - Generation	114,072,313	105,175,635	2,075,403	4,814,782	(5,924,500)	26,761	2,485,376	3,477,822
Indiana Michigan Power Co - Nuclear	213,068,002	209,477,247	7,172,737	9,129,849	(11,799,768)	67,613	4,642,267	9,212,698
Indiana Michigan Power Co - Transmission	39,245,800	34,613,191	609,416	1,652,156	(1,949,747)	8,588	855,077	1,175,490
Ind Mich River Transp Lakin	33,896,508	35,318,149	1,227,926	1,456,047	(1,989,457)	10,849	738,528	1,443,893
Indiana Michigan Power Co. - FERC	\$579,575,475	\$544,849,430	\$13,963,917	\$24,604,554	(\$30,691,146)	\$150,931	\$12,627,632	\$20,655,888
Price River Coal	397,911	446,351	0	16,495	(25,143)	0	8,670	22
Indiana Michigan Power Co. - SEC	\$579,973,386	\$545,295,781	\$13,963,917	\$24,621,049	(\$30,716,289)	\$150,931	\$12,636,302	\$20,655,910
Kentucky Power Co - Distribution	\$76,274,394	\$68,974,527	\$1,146,550	\$3,209,404	(\$3,885,307)	\$21,315	\$1,661,846	\$2,153,808
Kentucky Power Co - Generation	36,887,472	33,296,618	637,934	1,555,576	(1,875,585)	10,918	803,694	1,132,537
Kentucky Power Co - Transmission	8,296,042	7,788,188	209,462	352,587	(438,705)	3,227	180,752	307,323
Kentucky Power Co.	\$121,457,908	\$110,059,333	\$1,993,946	\$5,117,567	(\$6,199,597)	\$35,460	\$2,646,292	\$3,593,668
Cardinal Operating Company	\$77,709,926	\$68,976,998	\$1,471,148	\$3,282,368	(\$3,885,446)	\$15,877	\$1,693,123	\$2,577,070
Cook Coal Terminal	3,227,221	3,388,520	111,426	138,400	(190,874)	855	70,314	130,121
Ohio Power Co - Distribution	462,013,013	415,267,725	7,285,010	19,454,258	(23,391,861)	96,986	10,066,213	13,510,606
Ohio Power Co - Generation	380,761,277	390,564,855	5,507,204	16,012,355	(22,000,359)	82,309	8,295,923	7,897,432
Ohio Power Co - Transmission	76,279,151	68,764,505	1,116,417	3,208,352	(3,873,477)	19,325	1,661,949	2,132,566
Ohio Power Co. - FERC	\$999,990,588	\$946,962,603	\$15,491,205	\$42,095,733	(\$53,342,017)	\$215,352	\$21,787,522	\$26,247,795
Conesville Coal Preparation Company	4,354,181	3,975,224	34,640	181,934	(223,923)	614	94,868	88,133
Ohio Power Co. - SEC	\$1,004,344,769	\$950,937,827	\$15,525,845	\$42,277,667	(\$53,565,940)	\$215,966	\$21,882,390	\$26,335,928
Public Service Co of Oklahoma - Distribution	\$169,225,448	\$154,521,405	\$4,852,237	\$7,216,208	(\$8,704,127)	\$23,036	\$3,687,038	\$7,074,392
Public Service Co of Oklahoma - Generation	79,775,985	75,771,769	2,953,298	3,429,456	(4,268,193)	11,866	1,738,137	3,864,564
Public Service Co of Oklahoma - Transmission	20,381,750	19,027,845	585,585	869,179	(1,071,831)	2,611	444,072	829,616
Public Service Co. of Oklahoma	\$269,383,183	\$249,321,019	\$8,391,120	\$11,514,843	(\$14,044,151)	\$37,513	\$5,869,247	\$11,768,572
Southwestern Electric Power Co - Distribution	\$98,487,318	\$92,727,241	\$3,746,247	\$4,237,985	(\$5,223,288)	\$16,285	\$2,145,815	\$4,923,044
Southwestern Electric Power Co - Generation	105,211,548	99,586,817	4,005,517	4,527,479	(5,609,685)	15,968	2,292,320	5,231,599
Southwestern Electric Power Co - Texas - Distribution	54,281,188	50,031,204	1,717,728	2,321,376	(2,818,237)	8,496	1,182,664	2,412,027
Southwestern Electric Power Co - Texas - Transmission	576,995	533,288	0	23,919	(30,040)	0	12,571	6,450
Southwestern Electric Power Co - Transmission	15,179,862	15,386,376	544,097	651,820	(866,708)	2,932	330,735	662,876
Southwestern Electric Power Co.	\$273,736,911	\$258,264,926	\$10,013,589	\$11,762,579	(\$14,547,958)	\$43,681	\$5,964,105	\$13,235,996
AEP Texas North Company - Distribution	\$67,271,555	\$63,245,917	\$2,044,654	\$2,873,431	(\$3,562,617)	\$10,480	\$1,465,694	\$2,831,642
AEP Texas North Company - Generation	23,825,210	22,393,513	0	987,649	(1,261,417)	92	519,097	245,421
AEP Texas North Company - Transmission	10,462,046	9,898,529	437,100	451,813	(557,580)	1,612	227,944	560,889
AEP Texas North Co.	\$101,558,811	\$95,537,959	\$2,481,754	\$4,312,893	(\$5,381,614)	\$12,184	\$2,212,735	\$3,637,952
Kingsport Power Co - Distribution	\$13,539,387	\$12,068,180	\$179,882	\$568,718	(\$679,796)	\$2,930	\$294,992	\$366,726
Kingsport Power Co - Transmission	3,636,970	3,205,436	36,416	152,276	(180,561)	389	79,241	87,761
Kingsport Power Co.	\$17,176,357	\$15,273,616	\$216,298	\$720,994	(\$860,357)	\$3,319	\$374,233	\$454,487
Wheeling Power Co - Distribution	\$16,084,324	\$14,728,394	\$292,952	\$678,903	(\$829,644)	\$4,849	\$350,441	\$497,501
Wheeling Power Co - Transmission	853,993	841,480	0	35,401	(47,400)	0	18,607	6,608
Wheeling Power Co.	\$16,938,317	\$15,569,874	\$292,952	\$714,304	(\$877,044)	\$4,849	\$369,048	\$504,109
American Electric Power Service Corporation	\$1,436,287,255	\$1,312,628,701	\$29,802,247	\$60,775,206	(\$73,939,840)	\$277,414	\$31,293,434	\$48,208,460
American Electric Power Service Corp	\$1,436,287,255	\$1,312,628,701	\$29,802,247	\$60,775,206	(\$73,939,840)	\$277,414	\$31,293,434	\$48,208,460
AEP Pro Serv, Inc.	\$1,129,633	\$1,002,298	\$0	\$46,828	(\$56,459)	\$39	\$24,612	\$15,020
CSW Energy, Inc.	4,470,016	3,759,170	238,428	195,184	(211,753)	1,319	97,391	320,569
Elmwood	3,109,819	5,650,753	481,449	148,872	(318,305)	3,927	67,756	383,699
AEP River Operations LLC	29,095,576	50,779,732	5,462,093	1,432,552	(2,860,402)	21,752	633,926	4,689,921
Miscellaneous	\$37,805,044	\$61,191,953	\$6,181,970	\$1,823,436	(\$3,446,919)	\$27,037	\$823,685	\$5,409,209
Total	\$4,861,360,408	\$4,535,819,538	\$106,873,423	\$205,952,929	(\$255,500,864)	\$1,008,873	\$105,917,992	\$164,252,352

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2018 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$332,733,721	\$304,192,640	\$5,223,500	\$13,996,933	(\$16,886,751)	\$865	\$6,673,874	\$9,008,421
Appalachian Power Co - Generation	278,001,918	256,314,817	5,191,170	11,728,806	(14,228,893)	815	5,576,080	8,267,978
Appalachian Power Co - Transmission	51,070,856	46,608,963	688,779	2,143,692	(2,587,419)	126	1,024,364	1,269,542
Appalachian Power Co. - FERC	\$661,806,495	\$607,116,420	\$11,103,449	\$27,869,431	(\$33,703,063)	\$1,806	\$13,274,318	\$18,545,941
Cedar Coal Co	2,961,319	2,735,673	0	122,647	(151,866)	0	59,397	30,178
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$664,767,814	\$609,852,093	\$11,103,449	\$27,992,078	(\$33,854,929)	\$1,806	\$13,333,715	\$18,576,119
AEP Texas Central Company - Distribution	\$271,104,046	\$253,481,588	\$6,782,178	\$11,509,016	(\$14,071,611)	\$66	\$5,437,724	\$9,657,373
AEP Texas Central Company - Generation	27,833,138	37,584,566	658	1,152,772	(2,086,445)	0	558,269	(374,746)
AEP Texas Central Company - Transmission	28,905,328	27,296,672	843,893	1,232,102	(1,515,330)	10	579,774	1,140,449
AEP Texas Central Co.	\$327,842,512	\$318,362,826	\$7,626,729	\$13,893,890	(\$17,673,386)	\$76	\$6,575,767	\$10,423,076
Indiana Michigan Power Co - Distribution	\$177,488,988	\$161,486,902	\$2,993,572	\$7,474,917	(\$8,964,678)	\$408	\$3,560,021	\$5,064,240
Indiana Michigan Power Co - Generation	112,924,632	105,933,916	2,158,419	4,766,313	(5,880,746)	294	2,265,009	3,309,289
Indiana Michigan Power Co - Nuclear	210,924,326	213,195,530	7,459,646	9,044,653	(11,835,197)	744	4,230,657	8,900,503
Indiana Michigan Power Co - Transmission	38,850,948	35,070,689	633,793	1,635,311	(1,946,891)	94	779,261	1,101,568
Ind Mich River Transp Lakin	33,555,476	35,740,544	1,277,043	1,442,634	(1,984,077)	119	673,046	1,408,765
Indiana Michigan Power Co. - FERC	\$573,744,370	\$551,427,581	\$14,522,473	\$24,363,828	(\$30,611,589)	\$1,659	\$11,507,994	\$19,784,365
Price River Coal	393,908	443,278	0	16,314	(24,608)	0	7,901	(393)
Indiana Michigan Power Co. - SEC	\$574,138,278	\$551,870,859	\$14,522,473	\$24,380,142	(\$30,636,197)	\$1,659	\$11,515,895	\$19,783,972
Kentucky Power Co - Distribution	\$75,506,998	\$69,443,771	\$1,192,412	\$3,176,605	(\$3,855,056)	\$235	\$1,514,497	\$2,028,693
Kentucky Power Co - Generation	36,516,347	33,513,532	663,451	1,539,849	(1,860,448)	120	732,434	1,075,406
Kentucky Power Co - Transmission	8,212,575	7,809,558	217,841	349,157	(433,535)	36	298,224	164,725
Kentucky Power Co.	\$120,235,920	\$110,766,861	\$2,073,704	\$5,065,611	(\$6,149,039)	\$391	\$2,411,656	\$3,402,323
Cardinal Operating Company	\$76,928,087	\$69,768,630	\$1,529,994	\$3,249,442	(\$3,873,090)	\$175	\$1,543,001	\$2,449,522
Cook Coal Terminal	3,194,752	3,442,684	115,883	137,114	(191,115)	9	64,079	125,970
Ohio Power Co - Distribution	457,364,702	418,308,411	7,576,410	19,256,135	(23,221,699)	1,066	9,173,685	12,785,597
Ohio Power Co - Generation	376,930,440	388,513,973	5,727,493	15,848,271	(21,567,710)	905	7,560,359	7,569,318
Ohio Power Co - Transmission	75,511,707	69,146,623	1,161,073	3,175,502	(3,838,561)	212	1,514,592	2,012,818
Ohio Power Co. - FERC	\$989,929,688	\$949,180,321	\$16,110,853	\$41,666,464	(\$52,692,175)	\$2,367	\$19,855,716	\$24,943,225
Conesville Coal Preparation Company	4,310,373	3,996,965	36,026	180,012	(221,885)	7	86,456	80,616
Ohio Power Co. - SEC	\$994,240,061	\$953,177,286	\$16,146,879	\$41,846,476	(\$52,914,060)	\$2,374	\$19,942,172	\$25,023,841
Public Service Co of Oklahoma - Distribution	\$167,522,872	\$156,398,352	\$5,046,327	\$7,147,175	(\$8,682,196)	\$77	\$3,360,124	\$6,871,507
Public Service Co of Oklahoma - Generation	78,973,360	76,831,676	3,071,430	3,397,991	(4,265,183)	31	1,584,024	3,788,293
Public Service Co of Oklahoma - Transmission	20,176,689	19,236,719	609,008	860,866	(1,067,895)	5	404,698	806,682
Public Service Co. of Oklahoma	\$266,672,921	\$252,466,747	\$8,726,765	\$11,406,032	(\$14,015,274)	\$113	\$5,348,846	\$11,466,482
Southwestern Electric Power Co - Distribution	\$97,496,438	\$93,196,693	\$3,896,096	\$4,199,302	(\$5,173,660)	\$45	\$1,955,554	\$4,877,337
Southwestern Electric Power Co - Generation	104,153,015	100,857,888	4,165,738	4,486,161	(5,598,959)	32	2,089,070	5,142,042
Southwestern Electric Power Co - Texas - Distribution	53,735,065	50,386,367	1,786,437	2,299,484	(2,797,116)	22	1,077,802	2,366,639
Southwestern Electric Power Co - Texas - Transmission	571,190	530,328	0	23,657	(29,440)	0	11,457	5,674
Southwestern Electric Power Co - Transmission	15,027,137	15,468,905	565,861	645,804	(858,731)	9	301,410	654,353
Southwestern Electric Power Co.	\$270,982,845	\$260,440,181	\$10,414,132	\$11,654,418	(\$14,457,906)	\$108	\$5,435,293	\$13,046,045
AEP Texas North Company - Distribution	\$66,594,736	\$63,936,900	\$2,126,440	\$2,846,176	(\$3,549,351)	\$17	\$1,335,737	\$2,759,019
AEP Texas North Company - Generation	23,585,505	22,163,469	0	976,824	(1,230,368)	0	473,071	219,527
AEP Texas North Company - Transmission	10,356,788	10,000,124	454,584	447,767	(555,140)	4	207,733	554,948
AEP Texas North Co.	\$100,537,029	\$96,100,493	\$2,581,024	\$4,270,767	(\$5,334,859)	\$21	\$2,016,541	\$3,533,494
Kingsport Power Co - Distribution	\$13,403,167	\$12,156,276	\$187,077	\$562,857	(\$674,836)	\$32	\$268,837	\$343,967
Kingsport Power Co - Transmission	3,600,378	3,212,639	37,873	150,683	(178,344)	4	72,215	82,431
Kingsport Power Co.	\$17,003,545	\$15,368,915	\$224,950	\$713,540	(\$853,180)	\$36	\$341,052	\$426,398
Wheeling Power Co - Distribution	\$15,922,499	\$14,785,320	\$304,670	\$672,069	(\$820,783)	\$53	\$319,369	\$475,378
Wheeling Power Co - Transmission	845,401	825,207	0	35,013	(45,810)	0	16,957	6,160
Wheeling Power Co.	\$16,767,900	\$15,610,527	\$304,670	\$707,082	(\$866,593)	\$53	\$336,326	\$481,538
American Electric Power Service Corporation	\$1,421,836,778	\$1,321,351,381	\$30,994,336	\$60,170,871	(\$73,352,632)	\$2,759	\$28,518,779	\$46,334,113
American Electric Power Service Corp	\$1,421,836,778	\$1,321,351,381	\$30,994,336	\$60,170,871	(\$73,352,632)	\$2,759	\$28,518,779	\$46,334,113
AEP Pro Serv. Inc.	\$1,118,268	\$1,034,141	\$0	\$46,315	(\$57,409)	\$0	\$22,430	\$11,336
CSW Energy, Inc.	4,425,044	3,949,679	247,965	193,539	(219,260)	13	88,756	311,013
Elmwood	3,078,531	6,153,754	500,707	148,239	(341,615)	43	61,748	369,122
AEP River Operations LLC	28,802,846	55,750,801	5,680,576	1,428,175	(3,094,913)	239	577,719	4,591,796
Miscellaneous	\$37,424,689	\$66,888,375	\$6,429,248	\$1,816,268	(\$3,713,197)	\$295	\$750,653	\$5,283,267
Total	\$4,812,450,292	\$4,572,256,544	\$111,148,359	\$203,917,175	(\$253,821,252)	\$9,691	\$96,526,695	\$157,780,668

American Electric Power System Retirement Plan

AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2019 NET PERIODIC PENSION COST

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$329,127,743	\$298,252,741	\$5,432,440	\$13,848,979	(\$16,523,547)	\$0	\$6,087,174	\$8,845,046
Appalachian Power Co - Generation	274,989,092	251,011,276	5,398,816	11,606,540	(13,906,316)	0	5,085,887	8,184,927
Appalachian Power Co - Transmission	50,517,980	45,342,556	716,330	2,120,798	(2,512,030)	0	934,312	1,259,410
Appalachian Power Co. - FERC	\$654,634,215	\$594,606,573	\$11,547,586	\$27,576,317	(\$32,941,893)	\$0	\$12,107,373	\$18,289,383
Cedar Coal Co	2,929,226	2,648,427	0	121,254	(146,726)	0	54,176	28,704
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$657,563,441	\$597,255,000	\$11,547,586	\$27,697,571	(\$33,088,619)	\$0	\$12,161,549	\$18,318,087
AEP Texas Central Company - Distribution	\$268,165,976	\$247,719,752	\$7,053,465	\$11,392,594	(\$13,723,961)	\$0	\$4,959,694	\$9,681,792
AEP Texas Central Company - Generation	27,531,498	38,294,745	684	1,139,683	(2,121,573)	0	509,191	(472,015)
AEP Texas Central Company - Transmission	28,592,068	26,896,008	877,648	1,219,887	(1,490,070)	0	528,807	1,136,272
AEP Texas Central Co.	\$324,289,542	\$312,910,505	\$7,931,797	\$13,752,164	(\$17,335,604)	\$0	\$5,997,692	\$10,346,049
Indiana Michigan Power Co - Distribution	\$175,565,464	\$158,367,377	\$3,113,315	\$7,396,333	(\$8,773,736)	\$0	\$3,247,060	\$4,982,972
Indiana Michigan Power Co - Generation	111,700,820	103,980,393	2,244,756	4,716,730	(5,760,634)	0	2,065,892	3,266,744
Indiana Michigan Power Co - Nuclear	208,638,449	211,346,048	7,758,032	8,957,642	(11,708,816)	0	3,858,740	8,865,598
Indiana Michigan Power Co - Transmission	38,429,903	34,388,421	659,145	1,618,075	(1,905,158)	0	710,756	1,082,818
Ind Mich River Transp Lakin	33,191,821	35,515,129	1,328,125	1,428,939	(1,967,579)	0	613,878	1,403,363
Indiana Michigan Power Co. - FERC	\$567,526,457	\$543,597,368	\$15,103,373	\$24,117,719	(\$30,115,923)	\$0	\$10,496,326	\$19,601,495
Price River Coal	389,639	440,828	0	16,129	(24,422)	0	7,206	(1,087)
Indiana Michigan Power Co. - SEC	\$567,916,096	\$544,038,196	\$15,103,373	\$24,133,848	(\$30,140,345)	\$0	\$10,503,532	\$19,600,408
Kentucky Power Co - Distribution	\$74,688,696	\$68,077,704	\$1,240,108	\$3,143,041	(\$3,771,584)	\$0	\$1,381,358	\$1,992,923
Kentucky Power Co - Generation	36,120,604	32,852,922	689,990	1,523,759	(1,820,090)	0	668,046	1,061,705
Kentucky Power Co - Transmission	8,123,572	7,692,316	226,555	345,650	(426,163)	0	150,244	296,286
Kentucky Power Co.	\$118,932,872	\$108,622,942	\$2,156,653	\$5,012,450	(\$6,017,837)	\$0	\$2,199,648	\$3,350,914
Cardinal Operating Company	\$76,094,385	\$68,035,800	\$1,591,194	\$3,215,762	(\$3,769,262)	\$0	\$1,407,356	\$2,445,050
Cook Coal Terminal	3,160,129	3,411,006	120,518	135,801	(188,974)	0	58,446	125,791
Ohio Power Co - Distribution	452,408,046	408,472,171	7,879,466	19,053,409	(22,629,831)	0	8,367,227	12,670,271
Ohio Power Co - Generation	372,845,484	383,982,133	5,956,592	15,680,354	(21,273,055)	0	6,895,727	7,259,618
Ohio Power Co - Transmission	74,693,355	67,115,444	1,207,516	3,141,885	(3,718,274)	0	1,381,443	2,012,570
Ohio Power Co. - FERC	\$979,201,399	\$931,016,554	\$16,755,286	\$41,227,211	(\$51,579,396)	\$0	\$18,110,199	\$24,513,300
Conesville Coal Preparation Company	4,263,660	3,913,919	37,467	178,043	(216,836)	0	78,856	77,530
Ohio Power Co. - SEC	\$983,465,059	\$934,930,473	\$16,792,753	\$41,405,254	(\$51,796,232)	\$0	\$18,189,055	\$24,590,830
Public Service Co of Oklahoma - Distribution	\$165,707,355	\$152,720,873	\$5,248,180	\$7,076,633	(\$8,460,913)	\$0	\$3,064,736	\$6,928,636
Public Service Co of Oklahoma - Generation	78,117,492	75,118,387	3,194,287	3,365,867	(4,161,646)	0	1,444,773	3,843,281
Public Service Co of Oklahoma - Transmission	19,958,026	18,797,687	633,369	852,372	(1,041,414)	0	369,121	813,448
Public Service Co. of Oklahoma	\$263,782,873	\$246,636,947	\$9,075,836	\$11,294,872	(\$13,663,973)	\$0	\$4,878,630	\$11,585,365
Southwestern Electric Power Co - Distribution	\$96,439,827	\$91,281,384	\$4,051,940	\$4,159,815	(\$5,057,094)	\$0	\$1,783,642	\$4,938,303
Southwestern Electric Power Co - Generation	103,024,264	98,362,043	4,332,367	4,443,983	(5,449,371)	0	1,905,420	5,232,399
Southwestern Electric Power Co - Texas - Distribution	53,152,715	49,391,797	1,857,894	2,277,141	(2,736,363)	0	983,052	2,381,724
Southwestern Electric Power Co - Texas - Transmission	565,000	525,550	0	23,388	(29,116)	0	10,450	4,722
Southwestern Electric Power Co - Transmission	14,864,282	15,334,426	588,496	639,661	(849,545)	0	274,913	653,525
Southwestern Electric Power Co.	\$268,046,088	\$254,895,200	\$10,830,697	\$11,543,988	(\$14,121,489)	\$0	\$4,957,477	\$13,210,673
AEP Texas North Company - Distribution	\$65,873,020	\$62,077,533	\$2,211,497	\$2,818,330	(\$3,439,167)	\$0	\$1,218,313	\$2,808,973
AEP Texas North Company - Generation	23,329,899	21,628,491	0	965,731	(1,198,243)	0	431,483	198,971
AEP Texas North Company - Transmission	10,244,547	9,735,692	472,767	443,639	(539,369)	0	189,472	566,509
AEP Texas North Co.	\$99,447,466	\$93,441,716	\$2,684,264	\$4,227,700	(\$5,176,779)	\$0	\$1,839,268	\$3,574,453
Kingsport Power Co - Distribution	\$13,257,911	\$11,905,796	\$194,560	\$556,859	(\$659,595)	\$0	\$245,203	\$337,027
Kingsport Power Co - Transmission	3,561,359	3,117,747	39,387	149,051	(172,727)	0	65,867	81,578
Kingsport Power Co.	\$16,819,270	\$15,023,543	\$233,947	\$705,910	(\$832,322)	\$0	\$311,070	\$418,605
Wheeling Power Co - Distribution	\$15,749,940	\$14,436,842	\$316,857	\$665,078	(\$799,818)	\$0	\$291,293	\$473,410
Wheeling Power Co - Transmission	836,239	803,659	0	34,616	(44,524)	0	15,466	5,559
Wheeling Power Co.	\$16,586,179	\$15,240,501	\$316,857	\$699,694	(\$844,342)	\$0	\$306,759	\$478,968
American Electric Power Service Corporation	\$1,406,427,727	\$1,298,659,533	\$32,234,112	\$59,552,803	(\$71,947,244)	\$0	\$26,011,701	\$45,851,372
American Electric Power Service Corp	\$1,406,427,727	\$1,298,659,533	\$32,234,112	\$59,552,803	(\$71,947,244)	\$0	\$26,011,701	\$45,851,372
AEP Pro Serv, Inc.	\$1,106,149	\$1,045,495	\$0	\$45,789	(\$57,922)	\$0	\$20,458	\$8,325
CSW Energy, Inc.	4,377,087	4,025,623	257,883	191,863	(223,024)	0	80,954	307,676
Elmwood	3,045,168	6,329,696	520,735	147,609	(350,672)	0	56,320	373,992
AEP River Operations LLC	28,490,697	57,717,725	5,907,799	1,423,911	(3,197,629)	0	526,932	4,661,013
Miscellaneous	\$37,019,101	\$69,118,539	\$6,686,417	\$1,809,172	(\$3,829,247)	\$0	\$684,664	\$5,351,006
Total	\$4,760,295,714	\$4,490,773,095	\$115,594,292	\$201,835,426	(\$248,794,033)	\$0	\$88,041,045	\$156,676,730

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2020 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$325,586,661	\$293,565,816	\$5,649,738	\$13,700,501	(\$16,251,183)	\$0	\$5,554,544	\$8,653,600
Appalachian Power Co - Generation	272,030,487	246,742,166	5,614,769	11,483,880	(13,659,125)	0	4,640,870	8,080,394
Appalachian Power Co - Transmission	49,973,664	44,344,205	744,983	2,097,818	(2,454,801)	0	852,560	1,240,560
Appalachian Power Co. - FERC	\$647,591,012	\$584,652,187	\$12,009,490	\$27,282,199	(\$32,365,109)	\$0	\$11,047,974	\$17,974,554
Cedar Coal Co	2,897,710	2,571,007	0	119,854	(142,326)	0	49,435	26,963
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$650,488,722	\$587,223,194	\$12,009,490	\$27,402,053	(\$32,507,435)	\$0	\$11,097,409	\$18,001,517
AEP Texas Central Company - Distribution	\$265,280,780	\$242,814,369	\$7,335,603	\$11,275,877	(\$13,441,690)	\$0	\$4,525,719	\$9,695,509
AEP Texas Central Company - Generation	27,235,287	38,773,066	711	1,126,527	(2,146,395)	0	464,637	(554,520)
AEP Texas Central Company - Transmission	28,284,446	26,728,542	912,754	1,207,646	(1,479,636)	0	482,536	1,123,300
AEP Texas Central Co.	\$320,800,513	\$308,315,977	\$8,249,068	\$13,610,050	(\$17,067,721)	\$0	\$5,472,892	\$10,264,289
Indiana Michigan Power Co - Distribution	\$173,676,556	\$155,598,352	\$3,237,848	\$7,317,481	(\$8,613,596)	\$0	\$2,962,941	\$4,904,674
Indiana Michigan Power Co - Generation	110,499,032	102,301,650	2,334,546	4,666,989	(5,663,203)	0	1,885,126	3,223,458
Indiana Michigan Power Co - Nuclear	206,393,710	210,179,625	8,068,354	8,870,516	(11,635,100)	0	3,521,099	8,824,869
Indiana Michigan Power Co - Transmission	38,016,436	33,812,913	685,510	1,600,778	(1,871,811)	0	648,565	1,063,042
Ind Mich River Transp Lakin	32,834,710	35,315,605	1,381,250	1,415,230	(1,954,997)	0	560,164	1,401,647
Indiana Michigan Power Co. - FERC	\$561,420,444	\$537,208,145	\$15,707,508	\$23,870,994	(\$29,738,707)	\$0	\$9,577,895	\$19,417,690
Price River Coal	385,446	439,252	0	15,943	(24,316)	0	6,576	(1,797)
Indiana Michigan Power Co. - SEC	\$561,805,890	\$537,647,397	\$15,707,508	\$23,886,937	(\$29,763,023)	\$0	\$9,584,471	\$19,415,893
Kentucky Power Co - Distribution	\$73,885,121	\$66,905,369	\$1,289,713	\$3,109,359	(\$3,703,740)	\$0	\$1,260,488	\$1,955,820
Kentucky Power Co - Generation	35,731,983	32,290,894	717,589	1,507,616	(1,787,556)	0	609,592	1,047,241
Kentucky Power Co - Transmission	8,036,170	7,635,870	235,617	342,135	(422,706)	0	137,098	292,144
Kentucky Power Co.	\$117,653,274	\$106,832,133	\$2,242,919	\$4,959,110	(\$5,914,002)	\$0	\$2,007,178	\$3,295,205
Cardinal Operating Company	\$75,275,686	\$66,614,463	\$1,654,841	\$3,181,977	(\$3,687,636)	\$0	\$1,284,211	\$2,433,393
Cook Coal Terminal	3,126,130	3,226,316	125,339	134,486	(178,602)	0	53,332	134,555
Ohio Power Co - Distribution	447,540,591	400,424,746	8,194,645	18,849,985	(22,166,667)	0	7,635,091	12,513,054
Ohio Power Co - Generation	368,834,043	381,006,909	6,194,856	15,511,833	(21,091,737)	0	6,292,349	6,907,301
Ohio Power Co - Transmission	73,889,729	65,470,670	1,255,818	3,108,148	(3,624,318)	0	1,260,567	2,000,215
Ohio Power Co. - FERC	\$968,666,179	\$916,743,104	\$17,425,499	\$40,786,429	(\$50,748,960)	\$0	\$16,525,550	\$23,988,518
Conesville Coal Preparation Company	4,217,787	3,839,991	38,965	176,067	(212,574)	0	71,956	74,414
Ohio Power Co. - SEC	\$972,883,966	\$920,583,095	\$17,464,464	\$40,962,496	(\$50,961,534)	\$0	\$16,597,506	\$24,062,932
Public Service Co of Oklahoma - Distribution	\$163,924,511	\$150,040,964	\$5,458,107	\$7,005,953	(\$8,305,951)	\$0	\$2,796,570	\$6,954,679
Public Service Co of Oklahoma - Generation	77,277,026	73,864,907	3,322,059	3,333,715	(4,089,005)	0	1,318,354	3,885,123
Public Service Co of Oklahoma - Transmission	19,743,298	18,539,395	658,704	843,862	(1,026,302)	0	336,823	813,087
Public Service Co. of Oklahoma	\$260,944,835	\$242,445,266	\$9,438,870	\$11,183,530	(\$13,421,258)	\$0	\$4,451,747	\$11,652,889
Southwestern Electric Power Co - Distribution	\$95,402,232	\$90,528,787	\$4,214,018	\$4,120,298	(\$5,011,482)	\$0	\$1,627,572	\$4,950,406
Southwestern Electric Power Co - Generation	101,915,827	97,293,961	4,505,662	4,401,774	(5,385,988)	0	1,738,695	5,260,143
Southwestern Electric Power Co - Texas - Distribution	52,580,845	48,700,158	1,932,210	2,254,753	(2,695,938)	0	897,035	2,388,060
Southwestern Electric Power Co - Texas - Transmission	558,921	522,040	0	23,118	(28,899)	0	9,535	3,754
Southwestern Electric Power Co - Transmission	14,704,357	15,394,935	612,035	633,512	(852,231)	0	250,858	644,174
Southwestern Electric Power Co.	\$265,162,182	\$252,439,881	\$11,263,925	\$11,433,555	(\$13,974,538)	\$0	\$4,523,695	\$13,246,537
AEP Texas North Company - Distribution	\$65,164,293	\$60,878,947	\$2,299,957	\$2,790,436	(\$3,370,130)	\$0	\$1,111,710	\$2,831,973
AEP Texas North Company - Generation	23,078,893	21,122,725	0	954,582	(1,169,309)	0	393,728	179,001
AEP Texas North Company - Transmission	10,134,326	9,557,654	491,678	439,510	(529,092)	0	172,893	574,989
AEP Texas North Co.	\$98,377,512	\$91,559,326	\$2,791,635	\$4,184,528	(\$5,068,531)	\$0	\$1,678,331	\$3,585,963
Kingsport Power Co - Distribution	\$13,115,269	\$11,704,494	\$202,342	\$550,839	(\$647,936)	\$0	\$223,748	\$328,993
Kingsport Power Co - Transmission	3,523,043	3,039,905	40,963	147,413	(168,283)	0	60,103	80,196
Kingsport Power Co.	\$16,638,312	\$14,744,399	\$243,305	\$698,252	(\$816,219)	\$0	\$283,851	\$409,189
Wheeling Power Co - Distribution	\$15,580,487	\$14,201,928	\$329,531	\$658,065	(\$786,189)	\$0	\$265,805	\$467,212
Wheeling Power Co - Transmission	827,242	781,361	0	34,216	(43,254)	0	14,113	5,075
Wheeling Power Co.	\$16,407,729	\$14,983,289	\$329,531	\$692,281	(\$829,443)	\$0	\$279,918	\$472,287
American Electric Power Service Corporation	\$1,391,295,979	\$1,282,156,987	\$33,523,474	\$58,932,955	(\$70,977,502)	\$0	\$23,735,660	\$45,214,587
American Electric Power Service Corp	\$1,391,295,979	\$1,282,156,987	\$33,523,474	\$58,932,955	(\$70,977,502)	\$0	\$23,735,660	\$45,214,587
AEP Pro Serv, Inc.	\$1,094,248	\$1,058,154	\$0	\$45,260	(\$58,577)	\$0	\$18,668	\$5,351
CSW Energy, Inc.	4,329,994	4,097,012	268,199	190,189	(226,802)	0	73,870	305,456
Elmwood	3,012,405	6,630,989	541,565	146,998	(367,078)	0	51,392	372,877
AEP River Operations LLC	28,184,166	61,123,668	6,144,111	1,419,876	(3,383,677)	0	480,825	4,661,135
Miscellaneous	\$36,620,813	\$72,909,823	\$6,953,875	\$1,802,323	(\$4,036,134)	\$0	\$624,755	\$5,344,819
Total	\$4,709,079,727	\$4,431,840,767	\$120,218,064	\$199,747,970	(\$245,337,340)	\$0	\$80,337,413	\$154,966,107

American Electric Power System Retirement Plan

AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2021 NET PERIODIC PENSION COST

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$321,947,454	\$287,937,100	\$5,875,727	\$13,555,370	(\$15,936,564)	\$0	\$5,072,475	\$8,567,008
Appalachian Power Co - Generation	268,989,898	241,950,703	5,839,360	11,364,090	(13,391,337)	0	4,238,997	8,050,210
Appalachian Power Co - Transmission	49,415,287	43,085,881	774,783	2,075,341	(2,384,680)	0	778,593	1,244,011
Appalachian Power Co. - FERC	\$640,352,639	\$572,973,484	\$12,489,870	\$26,994,801	(\$31,712,581)	\$0	\$10,089,139	\$17,861,229
Cedar Coal Co	2,865,321	2,501,156	0	118,480	(138,432)	0	45,145	25,193
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$643,217,960	\$575,474,640	\$12,489,870	\$27,113,281	(\$31,851,013)	\$0	\$10,134,284	\$17,886,422
AEP Texas Central Company - Distribution	\$262,315,636	\$238,102,120	\$7,629,027	\$11,162,114	(\$13,178,329)	\$0	\$4,132,940	\$9,745,752
AEP Texas Central Company - Generation	26,930,868	38,629,324	740	1,113,612	(2,138,032)	0	424,312	(599,368)
AEP Texas Central Company - Transmission	27,968,300	26,548,706	949,264	1,195,731	(1,469,401)	0	440,657	1,116,251
AEP Texas Central Co.	\$317,214,804	\$303,280,150	\$8,579,031	\$13,471,457	(\$16,785,762)	\$0	\$4,997,909	\$10,262,635
Indiana Michigan Power Co - Distribution	\$171,735,307	\$152,905,065	\$3,367,362	\$7,240,432	(\$8,462,895)	\$0	\$2,705,793	\$4,850,692
Indiana Michigan Power Co - Generation	109,263,942	100,291,459	2,427,928	4,618,418	(5,550,869)	0	1,721,519	3,216,996
Indiana Michigan Power Co - Nuclear	204,086,768	208,733,274	8,391,088	8,785,882	(11,552,840)	0	3,215,509	8,839,639
Indiana Michigan Power Co - Transmission	37,591,512	33,170,351	712,931	1,583,875	(1,835,892)	0	592,277	1,053,191
Ind Mich River Transp Lakin	32,467,704	35,290,029	1,436,500	1,401,927	(1,953,211)	0	511,548	1,396,764
Indiana Michigan Power Co. - FERC	\$555,145,233	\$530,390,178	\$16,335,809	\$23,630,534	(\$29,355,707)	\$0	\$8,746,646	\$19,357,282
Price River Coal	381,138	435,679	0	15,760	(24,114)	0	6,005	(2,349)
Indiana Michigan Power Co. - SEC	\$555,526,371	\$530,825,857	\$16,335,809	\$23,646,294	(\$29,379,821)	\$0	\$8,752,651	\$19,354,933
Kentucky Power Co - Distribution	\$73,059,279	\$65,516,243	\$1,341,301	\$3,076,437	(\$3,626,152)	\$0	\$1,151,093	\$1,942,679
Kentucky Power Co - Generation	35,332,593	31,491,434	746,293	1,491,849	(1,742,968)	0	556,686	1,051,860
Kentucky Power Co - Transmission	7,946,347	7,532,229	245,041	338,711	(416,889)	0	125,199	292,062
Kentucky Power Co.	\$116,338,219	\$104,539,906	\$2,332,635	\$4,906,997	(\$5,786,009)	\$0	\$1,832,978	\$3,286,601
Cardinal Operating Company	\$74,434,301	\$65,118,959	\$1,721,035	\$3,148,996	(\$3,604,164)	\$0	\$1,172,757	\$2,438,624
Cook Coal Terminal	3,091,188	3,241,480	130,353	133,210	(179,407)	0	48,704	132,860
Ohio Power Co - Distribution	442,538,260	393,119,958	8,522,431	18,651,196	(21,758,159)	0	6,972,455	12,387,923
Ohio Power Co - Generation	364,711,444	376,581,428	6,442,650	15,347,087	(20,842,795)	0	5,746,247	6,693,189
Ohio Power Co - Transmission	73,063,835	64,162,725	1,306,050	3,075,168	(3,551,238)	0	1,151,165	1,981,145
Ohio Power Co. - FERC	\$957,839,028	\$902,224,550	\$18,122,519	\$40,355,657	(\$49,935,763)	\$0	\$15,091,328	\$23,633,741
Conesville Coal Preparation Company	4,170,644	3,769,859	40,524	174,130	(208,652)	0	65,711	71,713
Ohio Power Co. - SEC	\$962,009,672	\$905,994,409	\$18,163,043	\$40,529,787	(\$50,144,415)	\$0	\$15,157,039	\$23,705,454
Public Service Co of Oklahoma - Distribution	\$162,092,264	\$147,061,446	\$5,676,431	\$6,937,175	(\$8,139,466)	\$0	\$2,553,861	\$7,028,001
Public Service Co of Oklahoma - Generation	76,413,271	73,251,275	3,454,941	3,302,522	(4,054,266)	0	1,203,937	3,907,134
Public Service Co of Oklahoma - Transmission	19,522,619	18,269,036	685,052	835,580	(1,011,143)	0	307,591	817,080
Public Service Co. of Oklahoma	\$258,028,154	\$238,581,757	\$9,816,424	\$11,075,277	(\$13,204,875)	\$0	\$4,065,389	\$11,752,215
Southwestern Electric Power Co - Distribution	\$94,335,885	\$89,435,280	\$4,382,579	\$4,081,973	(\$4,950,008)	\$0	\$1,486,318	\$5,000,862
Southwestern Electric Power Co - Generation	100,776,675	96,129,343	4,685,888	4,360,839	(5,320,507)	0	1,587,797	5,314,017
Southwestern Electric Power Co - Texas - Distribution	51,993,129	48,271,336	2,009,499	2,232,989	(2,671,692)	0	819,183	2,389,979
Southwestern Electric Power Co - Texas - Transmission	552,674	519,175	0	22,853	(28,735)	0	8,708	2,826
Southwestern Electric Power Co - Transmission	14,540,001	15,458,281	636,517	627,544	(855,575)	0	229,086	637,572
Southwestern Electric Power Co.	\$262,198,364	\$249,813,415	\$11,714,483	\$11,326,198	(\$13,826,517)	\$0	\$4,131,092	\$13,345,256
AEP Texas North Company - Distribution	\$64,435,927	\$59,998,246	\$2,391,956	\$2,763,309	(\$3,320,746)	\$0	\$1,015,227	\$2,849,746
AEP Texas North Company - Generation	22,820,931	20,565,847	0	943,637	(1,138,266)	0	359,557	164,928
AEP Texas North Company - Transmission	10,021,050	9,378,799	511,345	435,511	(519,092)	0	157,888	585,652
AEP Texas North Co.	\$97,277,908	\$89,942,892	\$2,903,301	\$4,142,457	(\$4,978,104)	\$0	\$1,532,672	\$3,600,326
Kingsport Power Co - Distribution	\$12,968,675	\$11,492,233	\$210,436	\$544,951	(\$636,065)	\$0	\$204,329	\$323,651
Kingsport Power Co - Transmission	3,483,664	2,975,182	42,601	145,810	(164,669)	0	54,887	78,629
Kingsport Power Co.	\$16,452,339	\$14,467,415	\$253,037	\$690,761	(\$800,734)	\$0	\$259,216	\$402,280
Wheeling Power Co - Distribution	\$15,406,338	\$13,944,926	\$342,712	\$651,218	(\$771,815)	\$0	\$242,736	\$464,851
Wheeling Power Co - Transmission	817,995	762,492	0	33,824	(42,202)	0	12,888	4,510
Wheeling Power Co.	\$16,224,333	\$14,707,418	\$342,712	\$685,042	(\$814,017)	\$0	\$255,624	\$469,361
American Electric Power Service Corporation	\$1,375,744,934	\$1,264,299,608	\$34,864,412	\$58,328,186	(\$69,975,673)	\$0	\$21,675,687	\$44,892,612
American Electric Power Service Corp	\$1,375,744,934	\$1,264,299,608	\$34,864,412	\$58,328,186	(\$69,975,673)	\$0	\$21,675,687	\$44,892,612
AEP Pro Serv, Inc.	\$1,082,017	\$1,070,783	\$0	\$44,741	(\$59,265)	\$0	\$17,048	\$2,524
CSW Energy, Inc.	4,281,596	4,025,673	278,927	188,576	(222,810)	0	67,459	312,152
Elmwood	2,978,734	6,983,829	563,227	146,459	(386,537)	0	46,932	370,081
AEP River Operations LLC	27,869,141	64,152,439	6,389,876	1,416,598	(3,550,669)	0	439,095	4,694,900
Miscellaneous	\$36,211,488	\$76,232,724	\$7,232,030	\$1,796,374	(\$4,219,281)	\$0	\$570,534	\$5,379,657
Total	\$4,656,444,546	\$4,368,160,191	\$125,026,787	\$197,712,111	(\$241,766,221)	\$0	\$73,365,075	\$154,337,752

**AMERICAN ELECTRIC POWER
 QUALIFIED RETIREMENT PLAN
 ESTIMATED 2022 NET PERIODIC PENSION COST**

Location	Projected Benefit Obligation	Market-Related Value of Assets	Service Cost	Interest Cost	Expected Return on Assets	Amortizations		Net Periodic Pension Cost
						Prior Service Cost/(Credit)	(Gain)/Loss	
Appalachian Power Co - Distribution	\$318,567,276	\$282,479,704	\$6,110,756	\$13,421,694	(\$15,631,387)	\$0	\$4,632,907	\$8,533,970
Appalachian Power Co - Generation	266,165,730	237,299,968	6,072,934	11,253,930	(13,131,307)	0	3,870,834	8,066,391
Appalachian Power Co - Transmission	48,896,468	41,881,914	805,774	2,054,615	(2,317,591)	0	711,099	1,253,997
Appalachian Power Co. - FERC	\$633,629,474	\$561,661,586	\$12,989,464	\$26,730,239	(\$31,080,285)	\$0	\$9,214,840	\$17,854,258
Cedar Coal Co	2,835,238	2,439,228	0	117,204	(134,978)	0	41,233	23,459
Central Coal Company	0	0	0	0	0	0	0	0
Appalachian Power Co. - SEC	\$636,464,712	\$564,100,814	\$12,989,464	\$26,847,443	(\$31,215,263)	\$0	\$9,256,073	\$17,877,717
AEP Texas Central Company - Distribution	\$259,561,541	\$233,421,630	\$7,934,188	\$11,057,865	(\$12,916,694)	\$0	\$3,774,790	\$9,850,149
AEP Texas Central Company - Generation	26,648,116	39,366,603	769	1,101,624	(2,178,403)	0	387,542	(688,468)
AEP Texas Central Company - Transmission	27,674,657	26,417,712	987,235	1,184,839	(1,461,859)	0	402,471	1,112,686
AEP Texas Central Co.	\$313,884,314	\$299,205,945	\$8,922,192	\$13,344,328	(\$16,556,956)	\$0	\$4,564,803	\$10,274,367
Indiana Michigan Power Co - Distribution	\$169,932,230	\$150,473,130	\$3,502,056	\$7,169,508	(\$8,326,629)	\$0	\$2,471,316	\$4,816,251
Indiana Michigan Power Co - Generation	108,116,762	98,261,833	2,525,045	4,573,763	(5,437,448)	0	1,572,336	3,233,696
Indiana Michigan Power Co - Nuclear	201,944,028	206,847,949	8,726,731	8,708,807	(11,446,204)	0	2,936,862	8,926,196
Indiana Michigan Power Co - Transmission	37,196,833	32,522,993	741,448	1,568,311	(1,799,703)	0	540,952	1,051,008
Ind Mich River Transp Lakin	32,126,821	35,255,656	1,493,960	1,389,832	(1,950,918)	0	467,219	1,400,093
Indiana Michigan Power Co. - FERC	\$549,316,674	\$523,361,561	\$16,989,240	\$23,410,221	(\$28,960,902)	\$0	\$7,988,685	\$19,427,244
Price River Coal	377,137	430,524	0	15,590	(23,824)	0	5,485	(2,749)
Indiana Michigan Power Co. - SEC	\$549,693,811	\$523,792,085	\$16,989,240	\$23,425,811	(\$28,984,726)	\$0	\$7,994,170	\$19,424,495
Kentucky Power Co - Distribution	\$72,292,217	\$63,827,640	\$1,394,953	\$3,046,115	(\$3,531,987)	\$0	\$1,051,342	\$1,960,423
Kentucky Power Co - Generation	34,961,630	30,627,447	776,144	1,477,345	(1,694,810)	0	508,445	1,067,124
Kentucky Power Co - Transmission	7,862,917	7,432,719	254,843	335,576	(411,299)	0	114,350	293,470
Kentucky Power Co.	\$115,116,764	\$101,887,806	\$2,425,940	\$4,859,036	(\$5,638,096)	\$0	\$1,674,137	\$3,321,017
Cardinal Operating Company	\$73,652,803	\$63,269,176	\$1,789,876	\$3,118,685	(\$3,501,083)	\$0	\$1,071,129	\$2,478,607
Cook Coal Terminal	3,058,733	3,277,597	135,567	132,047	(181,370)	0	44,483	130,727
Ohio Power Co - Distribution	437,891,979	385,529,287	8,863,329	18,468,182	(21,333,772)	0	6,368,240	12,365,979
Ohio Power Co - Generation	360,882,279	373,048,439	6,700,356	15,195,304	(20,643,128)	0	5,248,292	6,500,824
Ohio Power Co - Transmission	72,296,727	62,094,970	1,358,292	3,044,785	(3,436,107)	0	1,051,407	2,018,377
Ohio Power Co. - FERC	\$947,782,521	\$887,219,469	\$18,847,420	\$39,959,003	(\$49,095,460)	\$0	\$13,783,551	\$23,494,514
Conesville Coal Preparation Company	4,126,855	3,707,897	42,145	172,340	(205,181)	0	60,017	69,321
Ohio Power Co. - SEC	\$951,909,376	\$890,927,366	\$18,889,565	\$40,131,343	(\$49,300,641)	\$0	\$13,843,568	\$23,563,835
Public Service Co of Oklahoma - Distribution	\$160,390,431	\$145,516,429	\$5,903,489	\$6,874,336	(\$8,052,344)	\$0	\$2,332,550	\$7,058,031
Public Service Co of Oklahoma - Generation	75,610,996	72,134,391	3,593,139	3,274,178	(3,991,652)	0	1,099,607	3,975,272
Public Service Co of Oklahoma - Transmission	19,317,648	17,466,516	712,454	828,014	(966,533)	0	280,936	854,871
Public Service Co. of Oklahoma	\$255,319,075	\$235,117,336	\$10,209,082	\$10,976,528	(\$13,010,529)	\$0	\$3,713,093	\$11,888,174
Southwestern Electric Power Co - Distribution	\$93,345,437	\$88,557,286	\$4,557,882	\$4,047,174	(\$4,900,434)	\$0	\$1,357,518	\$5,062,140
Southwestern Electric Power Co - Generation	99,718,604	95,378,437	4,873,324	4,323,670	(5,277,892)	0	1,450,202	5,369,304
Southwestern Electric Power Co - Texas - Distribution	51,447,245	47,905,825	2,089,879	2,213,143	(2,650,932)	0	748,195	2,400,285
Southwestern Electric Power Co - Texas - Transmission	546,871	515,894	0	22,607	(28,548)	0	7,953	2,012
Southwestern Electric Power Co - Transmission	14,387,343	15,527,183	661,977	622,116	(859,217)	0	209,234	634,110
Southwestern Electric Power Co.	\$259,445,500	\$247,884,625	\$12,183,062	\$11,228,710	(\$13,717,023)	\$0	\$3,773,102	\$13,467,851
AEP Texas North Company - Distribution	\$63,759,404	\$59,003,500	\$2,487,634	\$2,738,551	(\$3,265,037)	\$0	\$927,250	\$2,888,398
AEP Texas North Company - Generation	22,581,330	20,025,937	0	933,478	(1,108,162)	0	328,399	153,715
AEP Texas North Company - Transmission	9,915,838	9,231,536	531,798	431,889	(510,839)	0	144,206	597,054
AEP Texas North Co.	\$96,256,572	\$88,260,973	\$3,019,432	\$4,103,918	(\$4,884,038)	\$0	\$1,399,855	\$3,639,167
Kingsport Power Co - Distribution	\$12,832,515	\$11,278,805	\$218,854	\$539,524	(\$624,128)	\$0	\$186,623	\$320,873
Kingsport Power Co - Transmission	3,447,089	2,895,213	44,306	144,329	(160,210)	0	50,131	78,556
Kingsport Power Co.	\$16,279,604	\$14,174,018	\$263,160	\$683,853	(\$784,338)	\$0	\$236,754	\$399,429
Wheeling Power Co - Distribution	\$15,244,584	\$13,666,968	\$356,421	\$644,922	(\$756,280)	\$0	\$221,701	\$466,764
Wheeling Power Co - Transmission	809,407	748,148	0	33,460	(41,400)	0	11,771	3,831
Wheeling Power Co.	\$16,053,991	\$14,415,116	\$356,421	\$678,382	(\$797,680)	\$0	\$233,472	\$470,595
American Electric Power Service Corporation	\$1,361,300,765	\$1,245,788,520	\$36,258,990	\$57,772,986	(\$68,937,353)	\$0	\$19,797,324	\$44,891,947
American Electric Power Service Corp	\$1,361,300,765	\$1,245,788,520	\$36,258,990	\$57,772,986	(\$68,937,353)	\$0	\$19,797,324	\$44,891,947
AEP Pro Serv, Inc.	\$1,070,657	\$1,074,331	\$0	\$44,259	(\$59,450)	\$0	\$15,571	\$380
CSW Energy, Inc.	4,236,643	4,106,967	290,084	187,128	(227,264)	0	61,613	311,561
Einwood	2,947,460	7,331,848	585,756	146,058	(405,717)	0	42,865	368,962
AEP River Operations LLC	27,576,538	67,845,100	6,645,471	1,414,686	(3,743,231)	0	401,044	4,717,970
Miscellaneous	\$35,831,298	\$80,158,246	\$7,521,311	\$1,792,131	(\$4,435,662)	\$0	\$521,093	\$5,398,873
Total	\$4,607,555,782	\$4,305,712,850	\$130,027,859	\$195,844,469	(\$238,262,305)	\$0	\$67,007,444	\$154,617,467



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