

PUBLIC EMPLOYEES'
RETIREMENT FUND OF INDIANA
ACTUARIAL VALUATION
JULY 1, 2003

PUBLIC EMPLOYEES'
RETIREMENT FUND OF INDIANA

ACTUARIAL VALUATION

VALUATION DATE	July 1, 2003
VALUATION YEAR	July 1, 2003 - June 30, 2003

TABLE OF CONTENTS

	<u>PAGE</u>
Summary of Actuarial Valuation	5
Actuarial Certification	8
<u>FUNDING EXHIBITS</u>	
Summary of Contributions.....	9
Contribution Breakdown and Comparison	10
Actuarial Present Value of Accumulated Benefits for Non-Retired Members.....	14
Statement of Changes in the Present Value of Accumulated Plan Benefits for Non-Retired Members	16
<u>ASSET EXHIBITS</u>	
Statement of Income	17
Development of Actuarial Value of Assets	18
Allocation of Assets.....	19
<u>GASB #25 and #27 DISCLOSURES</u>	
Schedule of Funding Progress	20
Schedule of Employer Contributions.....	20
Development of Net Pension Obligation	21

TABLE OF CONTENTS

-Continued-

	<u>PAGE</u>
<u>DATA SUMMARIES</u>	
Summary of Employee Data.....	23
Scheduled Amortization of Unfunded Actuarial Accrued Liability	24
<u>HISTORICAL EXHIBITS</u>	
Ten Year History of Contribution Rates.....	26
Ten Year Historical Investment Experience	27
Ten Year Historical Member Information	28
Ten Year Historical Funding Information	30
<u>BASIS FOR VALUATION</u>	
Actuarial Methods.....	32
Actuarial Assumptions.....	33
Summary of Major Plan Provisions.....	34

PUBLIC EMPLOYEES' RETIREMENT FUND
OF INDIANA

Summary of Actuarial Valuation as of July 1, 2003

Introduction

As of the valuation date there were 143,082 active members, 52,956 pensioners and 11,897 terminated members entitled to future benefits. See the exhibit labeled Summary of Employee Data for a breakdown of the members between state employees and employees of political subdivisions.

We have established the following contributions as of July 1, 2003:

	<u>With Fresh Start and 4-Year Phase-In</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
Total Annual Cost	\$ 54,579,389	\$ 111,995,323	\$ 166,574,712
Cost as Percentage of Anticipated Payroll (Interest adjusted to mid-year)	3.8%	4.7%	4.4%

This Valuation is the second to reflect census data as reported by a new database system. The previous database system reported salaries on a calendar year basis and reported service through the March 31 preceding the valuation date. The new database system reports both salary and service on a fiscal year basis. Also, the new database system may have created an increase of about \$70 million in liabilities associated with prior service earned by active members. Due to the fiscal impact of the more current data, this valuation has been prepared in such a manner as to phase-in the changes brought about by the new database system over a four-year period on a pro rata basis. This phase-in will ease the transition to the census data reporting by the new database system.

This report reflects the plan provisions in effect as of July 1, 2003. Refer to the exhibit titled Summary of Major Plan Provisions for a brief description of benefits provided by this plan.

The Total Annual Cost is composed of employer normal cost of \$186,500,290 and an amortization payment of negative \$19,925,578. As of July 1, 2003, the Unfunded Actuarial Accrued Liability is negative \$259,378,781. A breakdown and a comparison with the results of the prior valuation is provided in the exhibit titled Contribution Breakdown and Comparison.

Introduction, Continued

The Total Annual Cost for 2003, as a percent of anticipated payroll decreased to 4.4% as compared to 5.9% for 2002. The Fund had experience losses primarily from investments yielding less than the assumed 7.25% (estimated return for the 2002 plan year was 3.5% on an actuarial value basis). These experience losses were more than offset by changes in actuarial assumptions. In terms of actual dollars, the Total Annual Cost decreased by \$50,502,136 from \$217,076,848 for the 2002 plan year to \$166,574,712 for the 2003 plan year.

Actuarial Methods and Assumptions

The Entry Age Normal Cost Method was continued for determining the cost of retirement benefits, death benefits, disability benefits, and termination benefits. Valuation assets continue to be developed on an actuarial basis.

The actuarial assumptions used in this Valuation have been revised from the prior Valuation. The 2% actuarial assumption for COLA was limited to 5 years from the valuation date.

A brief explanation of the methods and a complete summary of the assumptions used may be found in the exhibits titled Actuarial Methods and Actuarial Assumptions.

Valuation Data and Disclaimer

The valuation census data was provided by the Public Employees' Retirement Fund and transposed into a computer file for processing. Similar information has been furnished to us in the past, and the accuracy of this report depends on the accuracy of all data that has been furnished to us from time to time. Trust information was also furnished by the Public Employees' Retirement Fund. It is noted that we make no representation concerning the accuracy of any employee data or valuation information that has been furnished to us.

The Valuation has been prepared for the sole purpose of determining the contribution requirements for the respective plan year and for providing accounting data to meet the requirements of GASB #25 and #27. The figures in this Valuation should not be used as the basis for any other purpose for which it was not designed.

Summary of Trust Experience

Using market value, the assets consist of 44.5% in common stock, 9.2% in corporate bonds and notes, 11.4% in U.S. Treasury and Agency Obligations, 12.2% in mortgage securities, 11.5% in international stock and foreign bonds, 6.7% in cash and cash equivalents, 0.1% in real estate investments, 7.0% in other assets, 6.7% in securities lending capital, and negative 9.3% in net receivables and liabilities. Based on the actuarial value, the entire asset portfolio had net investment income for the 2002-2003 plan year that resulted in an estimated yield of 3.5%. See the exhibit labeled Ten Year Historical Investment Experience for more detail.

We will be pleased to furnish any additional information or answer any questions which may arise after your review of this report.

ACTUARIAL CERTIFICATION

The information and valuation results shown in this report are, to the best of my knowledge, complete and accurate and are based upon:

The information and valuation results shown in this report are, to the best of my knowledge, complete and accurate and are based upon:

1. Employee census data as of July 1, 2003 submitted by the Director of the Public Employees' Retirement Fund. Although we did not audit this data, it appears to be sufficient and reliable for purposes of the report.
2. Financial data as of July 1, 2003 submitted by the Director of the Public Employees' Retirement Fund. Although we did not audit this data, it appears to be sufficient and reliable for purposes of the report.
3. Actuarial assumptions which were chosen by the PERF Board after consultation with the actuary.
4. Generally accepted actuarial principles and in accordance with standards of practice prescribed by the Actuarial Standards Board.
5. Actuarial methods as stated in the report and our interpretation of plan provisions as summarized in the report.

Sincerely,

Douglas Todd
A.S.A., M.A.A.A., E.A.
Senior Actuary

SUMMARY OF CONTRIBUTIONS

	July 1, 2003		
	State	Political Subdivisions	Total
	<i>With Fresh Start and 4-Year Phase-in</i>		
TOTAL ANNUAL COST	\$ 54,579,389	\$ 111,995,323	\$ 166,574,712
COST AS PERCENTAGE OF ANTICIPATED PAYROLL*	3.8%	4.7%	4.4%

	July 1, 2003		
	State	Political Subdivisions	Total
	<i>Prior to Fresh Start and 4-Year Phase-in</i>		
TOTAL ANNUAL COST	\$ 65,189,783	\$ 124,050,710	\$ 189,240,493
COST AS PERCENTAGE OF ANTICIPATED PAYROLL*	4.4%	5.1%	4.9%

*Interest adjusted for mid-year contribution

CONTRIBUTION BREAKDOWN AND COMPARISON

With Fresh Start and 4-Year Phase-in

	<u>July 1, 2003</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
TOTAL ANNUAL COST			
Employer Normal Cost	\$ 71,478,739	\$ 115,021,551	\$ 186,500,290
Amortization of Unfunded Actuarial Liability	<u>(16,899,350)</u>	<u>(3,026,228)</u>	<u>(19,925,578)</u>
Total	\$ 54,579,389	\$ 111,995,323	\$ 166,574,712
ANTICIPATED PAYROLL	\$ 1,491,661,265	\$ 2,460,568,258	\$ 3,952,229,523
TOTAL ANNUAL COST AS % OF ANTICIPATED PAYROLL			
(Interest Adjusted for Mid-Year Contribution)	3.792%	4.717%	4.367%

DEVELOPMENT OF UNFUNDED ACTUARIAL LIABILITY

With Fresh Start and 4-Year Phase-in

	<u>July 1, 2003</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
Actuarial Accrued Liability			
- Active Members	\$ 1,759,606,136	\$ 2,345,374,401	\$ 4,104,980,537
- Terminated Members	<u>100,495,190</u>	<u>92,259,333</u>	<u>192,754,523</u>
Total	\$ 1,860,101,326	\$ 2,437,633,734	4,297,735,060
Less: Non-Retired Member Assets	<u>2,078,952,509</u>	<u>2,478,161,332</u>	<u>4,557,113,841</u>
Equals: Actual Unfunded Actuarial Accrued Liability (UAAL)	\$ (218,851,183)	\$ (40,527,598)	(259,378,781)
Unfunded Actuarial Accrued Liability, Prior Year	\$ (51,612,094)	\$ 122,890,273	\$ 71,278,179
Less: Amortization of Unfunded Actuarial Liability, Prior Year	(3,975,918)	9,466,804	5,490,886
Plus: Interest for Full Year at 7.25%	<u>(3,453,623)</u>	<u>8,223,202</u>	<u>\$ 4,769,579</u>
Subtotal	\$ (51,089,799)	\$ 121,646,671	\$ 70,556,872
Plus: Increase (Decrease) Due to Change in Actuarial Assumptions	<u>(341,666,004)</u>	<u>(437,303,725)</u>	<u>(778,969,728)</u>
Equals: Expected Unfunded Actuarial Accrued Liability (UAAL)	\$ (392,755,803)	\$ (315,657,054)	\$ (708,412,856)
Experience (Gain)/Loss [Actual UAAL-Expected UAAL]	\$ 173,904,620	\$ 275,129,456	\$ 449,034,075

May 21, 2004 (I418)

CONTRIBUTION BREAKDOWN AND COMPARISON, Continued

Prior to Fresh Start and 4-Year Phase-in

	<u>July 1, 2003</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
TOTAL ANNUAL COST			
Employer Normal Cost	\$ 72,501,421	\$ 117,229,830	\$ 189,731,251
Amortization of Unfunded Actuarial Liability	<u>(7,311,638)</u>	<u>6,820,880</u>	<u>(490,758)</u>
Total	\$ 65,189,783	\$ 124,050,710	\$ 189,240,493
ANTICIPATED PAYROLL	\$ 1,524,695,265	\$ 2,513,984,529	\$ 4,038,679,794
TOTAL ANNUAL COST AS % OF ANTICIPATED PAYROLL			
(Interest Adjusted for Mid-Year Contribution)	4.431%	5.113%	4.856%

DEVELOPMENT OF UNFUNDED ACTUARIAL LIABILITY

Prior to Fresh Start and 4-Year Phase-in

	<u>July 1, 2003</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
Actuarial Accrued Liability			
- Active Members	\$ 1,809,823,127	\$ 2,414,910,411	\$ 4,224,733,538
- Terminated Members	<u>98,287,930</u>	<u>96,499,281</u>	<u>194,787,211</u>
Total	\$ 1,908,111,057	\$ 2,511,409,692	\$ 4,419,520,749
Less: Non-Retired Member Assets	<u>2,078,952,509</u>	<u>2,478,161,332</u>	<u>4,557,113,841</u>
Equals: Actual Unfunded Actuarial Accrued Liability (UAAL)	\$ (170,841,452)	\$ 33,248,360	\$ (137,593,092)
Unfunded Actuarial Accrued Liability, Prior Year	\$ 61,989,091	\$ 207,690,784	\$ 269,679,875
Less: Amortization of Unfunded Actuarial Liability, Prior Year	9,600,900	19,388,683	28,989,583
Plus: Interest for Full Year at 7.25%	3,798,144	13,651,902	17,450,046
Plus: Increase (Decrease) Due to Change in Actuarial Assumptions	<u>(345,440,484)</u>	<u>(443,626,407)</u>	<u>(789,066,891)</u>
Equals: Expected Unfunded Actuarial Accrued Liability (UAAL)	\$ (289,254,149)	\$ (241,672,404)	\$ (530,926,553)
Experience (Gain)/Loss [Actual UAAL-Expected UAAL]	\$ 118,412,697	\$ 274,920,764	\$ 393,333,461

CONTRIBUTION BREAKDOWN AND COMPARISON

With Fresh Start and 4-Year Phase-in

	July 1, 2002		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
TOTAL ANNUAL COST			
Employer Normal Cost	\$ 83,616,958	\$ 127,969,004	\$ 211,585,962
Amortization of Unfunded Actuarial Liability	<u>(3,975,918)</u>	<u>9,466,804</u>	<u>5,490,886</u>
Total	\$ 79,641,040	\$ 137,435,808	\$ 217,076,848
ANTICIPATED PAYROLL	\$ 1,475,076,791	\$ 2,310,165,016	\$ 3,785,241,807
TOTAL ANNUAL COST AS % OF ANTICIPATED PAYROLL			
(Interest Adjusted for Mid-Year Contribution)	5.6%	6.2%	5.9%

DEVELOPMENT OF UNFUNDED ACTUARIAL LIABILITY

With Fresh Start and 4-Year Phase-in

	July 1, 2002		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
Actuarial Accrued Liability			
- Active Members	\$ 1,899,604,451	\$ 2,483,743,495	\$ 4,383,347,946
- Terminated Members	<u>110,573,395</u>	<u>103,937,268</u>	<u>214,510,663</u>
Total	\$ 2,010,177,846	\$ 2,587,680,763	\$ 4,597,858,609
Less: Non-Retired Member Assets	<u>2,061,789,940</u>	<u>2,464,790,490</u>	<u>4,526,580,430</u>
Equals: Actual Unfunded Actuarial Accrued Liability (UAAL)	\$ (51,612,094)	\$ 122,890,273	\$ 71,278,179

CONTRIBUTION BREAKDOWN AND COMPARISON, Continued

Prior to Fresh Start and 4-Year Phase-in

	<u>July 1, 2002</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
TOTAL ANNUAL COST			
Employer Normal Cost	\$ 84,580,744	\$ 129,387,950	\$ 213,968,694
Amortization of Unfunded Actuarial Liability	<u>9,600,900</u>	<u>19,388,683</u>	<u>28,989,583</u>
Total	\$ 94,181,644	\$ 148,776,633	\$ 242,958,277
ANTICIPATED PAYROLL	\$ 1,501,201,217	\$ 2,350,559,741	\$ 3,851,760,958
TOTAL ANNUAL COST AS % OF ANTICIPATED PAYROLL (Interest Adjusted for Mid-Year Contribution)	6.5%	6.6%	6.5%

DEVELOPMENT OF UNFUNDED ACTUARIAL LIABILITY

Prior to Fresh Start and 4-Year Phase-in

	<u>July 1, 2002</u>		
	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
Actuarial Accrued Liability			
- Active Members	\$ 2,011,340,391	\$ 2,566,901,294	\$ 4,578,241,685
- Terminated Members	<u>112,438,640</u>	<u>105,579,980</u>	<u>218,018,620</u>
Total	\$ 2,123,779,031	\$ 2,672,481,274	\$ 4,796,260,305
Less: Non-Retired Member Assets	<u>2,061,789,940</u>	<u>2,464,790,490</u>	<u>4,526,580,430</u>
Equals: Actual Unfunded Actuarial Accrued Liability (UAAL)	\$ 61,989,091	\$ 207,690,784	\$ 269,679,875
Unfunded Actuarial Accrued Liability, Prior Year	\$ (167,121,220)	\$ (250,510,886)	\$ (417,632,106)
Less: Amortization of Unfunded Actuarial Liability, Prior Year	(7,234,726)	(14,320,368)	(21,555,094)
Plus: Interest for Full Year at 7.25%	(11,591,771)	(17,123,813)	(28,715,583)
Plus: Increase (Decrease) Due to Change in Actuarial Assumptions	<u>0</u>	<u>0</u>	<u>0</u>
Equals: Expected Unfunded Actuarial Accrued Liability (UAAL)	\$ (171,478,265)	\$ (253,314,331)	\$ (424,792,595)
Experience (Gain)/Loss [Actual UAAL-Expected UAAL]	\$ 233,467,356	\$ 461,005,115	\$ 694,472,471

ACTUARIAL PRESENT VALUE OF ACCUMULATED PLAN BENEFITS
FOR NON-RETIRED MEMBERS

	July 1, 2003		
	State	Political Subdivisions	Total
Vested Benefits			
- Active Members	\$ 888,532,540	\$ 1,131,963,784	\$ 2,020,496,323
- Terminated Members	98,287,930	96,499,281	194,787,211
Total	\$ 986,820,470	\$ 1,228,463,065	\$ 2,215,283,534
Nonvested Benefits	135,807,575	211,074,941	346,882,516
Total Non-Retired Actuarial Present Value of Accumulated Plan Benefits	\$ 1,122,628,045	\$ 1,439,538,006	\$ 2,562,166,050
Non-Retired Member Assets			
- Market Value	\$ 1,613,189,222	\$ 1,922,960,306	\$ 3,536,149,528
- Actuarial Value	2,078,952,509	2,478,161,332	4,557,113,841
Ratio of Assets to the Present Value of Vested Accumulated Plan Benefits			
- Market Value	1.635	1.565	1.596
- Actuarial Value	2.107	2.017	2.057
Ratio of Assets to the Present Value of Total Accumulated Plan Benefits			
- Market Value	1.437	1.336	1.380
- Actuarial Value	1.852	1.721	1.779

ACTUARIAL PRESENT VALUE OF ACCUMULATED PLAN BENEFITS
FOR NON-RETIRED MEMBERS

- Continued -

	July 1, 2002		
	State	Political Subdivisions	Total
Vested Benefits			
- Active Members	\$ 943,561,099	\$ 1,166,288,531	\$ 2,109,849,630
- Terminated Members	112,438,640	105,579,980	218,018,620
Total	\$ 1,055,999,739	\$ 1,271,868,511	\$ 2,327,868,250
Nonvested Benefits	126,925,147	192,076,845	319,001,992
Total Non-Retired Actuarial Present Value of Accumulated Plan Benefits	\$ 1,182,924,886	\$ 1,463,945,356	\$ 2,646,870,242
Non-Retired Member Assets			
- Market Value	\$ 1,587,254,806	\$ 1,897,502,009	\$ 3,484,756,815
- Actuarial Value	2,061,789,940	2,464,790,490	4,526,580,430
Ratio of Assets to the Present Value of Vested Accumulated Plan Benefits			
- Market Value	1.503	1.492	1.497
- Actuarial Value	1.952	1.938	1.945
Ratio of Assets to the Present Value of Total Accumulated Plan Benefits			
- Market Value	1.342	1.296	1.317
- Actuarial Value	1.743	1.684	1.710

STATEMENT OF CHANGES IN THE PRESENT VALUE OF ACCUMULATED PLAN BENEFITS
FOR NON-RETIRED MEMBERS

Actuarial Present Value of Accumulated Plan Benefits, July 1, 2002	\$ 2,646,870,242
Plus: Increase Due to Additional Benefits Accumulated	255,528,536
Less: Transfers to Retired and Disabled Status	330,069,717
Plus: Increase Due to Decrease in the Discount Period (@7.25%)	210,423,911
Plus: Increase Due to Change in Plan Provisions	0
Plus: Increase (Decrease) Due to Change in Actuarial Assumptions	(407,790,814)
Plus: Actuarial Experience (Gain)/Loss and other Miscellaneous Items	<u>187,203,892</u>
Equals: Actuarial Present Value of Accumulated Plan Benefits, July 1, 2003	\$ 2,562,166,050

STATEMENT OF INCOME

July 1, 2002 - June 30, 2003

		<u>Market Value</u>
(1)	Net Value of Assets Available for Benefits, July 1, 2002	\$ 7,953,029,890
(2)	Receipts	
	Employer Contributions:	
	State	\$ 80,795,703
	Political Subdivisions	132,574,848
	Employee Contributions:	
	State	\$ 48,269,714
	Political Subdivisions	80,557,891
	Investment Income and Dividends Net of Fees	339,257,704
	Security Lending Income Net of Fees	1,711,855
	Miscellaneous Income	<u>497,637</u>
	Total Receipts	\$ 683,665,352
(3)	Disbursements	
	Benefits Paid During the Year	\$ 322,750,816
	Refund of Contributions and Interest	29,636,787
	Administrative Expenses	9,246,962
	Net Transfers and Miscellaneous Disbursements	<u>2,072,984</u>
	Total Disbursements	\$ 363,707,549
(4)	Net Value of Assets Available for Benefits, June 30, 2003 (1) + (2) - (3)	\$ 8,272,987,693

DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS

	<u>July 1, 2002</u>	<u>July 1, 2003</u>
Actuarial Value, Prior June 30	\$ 8,723,303,892	\$ 8,994,853,508
<u>Receipts</u>		
Employer Contributions Made During the Year	119,376,765	213,370,551
Employee Contributions Made During the Year	208,020,151	128,827,605
Miscellaneous Income – Not Investment Related	0	1,773,638
Expected Investment Income (@ 7.25%) - Beginning Value	632,439,532	652,126,879
Expected Investment Income (@ 7.25%) - Contributions	11,868,138	12,468,978
Miscellaneous Income	<u>1,696,863</u>	<u>0</u>
Total	\$ 973,401,449	\$ 1,008,567,651
<u>Disbursements</u>		
Benefits Paid During the Year	\$ 326,396,734	322,750,816
Refund of Contributions and Interest	14,566,912	29,636,787
Miscellaneous Expenses – Not Investment Related	0	3,846,622
Expected Investment Expenses (@ 7.25%) - Disbursements	12,359,932	12,913,491
Miscellaneous Expenses	<u>1,253,717</u>	<u>0</u>
Total	\$ 354,577,295	\$ 369,147,716
Expected Actuarial Value, Current June 30	\$ 9,342,128,046	\$ 9,634,273,443
Actual Market Value, Current June 30	\$ 7,953,029,893	\$ 8,272,987,693
Actuarial Value, Current June 30 [75% of Expected Actuarial Value] + [25% of Actual Market Value]	\$ 8,994,853,508	\$ 9,293,952,006

ALLOCATION OF ASSETS

	<u>July 1, 2002</u>	<u>July 1, 2003</u>
Total Assets Available for Benefits		
- Market Value	7,953,029,893	8,272,987,693
- Actuarial Value	8,994,853,508	9,293,952,006
Less: Annuity Savings Account	1,886,124,000	1,971,864,095
Less: Retired and Disabled	2,582,149,078	2,764,974,070
Equals: Total Non-Retired Assets		
- Market Value	3,484,756,815	3,536,149,528
- Actuarial Value	4,526,580,430	4,557,113,841
Total Ledger Assets	5,323,362,832	5,534,146,903
- State Share of Total	2,424,712,461	2,524,674,385
- State Percent of Total	45.548510%	45.619938%
- Political Subdivisions Share of Total	2,898,650,371	3,009,472,518
- Political Subdivisions Percent of Total	54.451490%	54.380062%
State Portion (Based on Ledger Share)		
- Market Value	1,587,254,806	1,613,189,222
- Actuarial Value	2,061,789,940	2,078,952,509
Political Subdivisions Portion (Based on Ledger Share)		
- Market Value	1,897,502,009	1,922,960,306
- Actuarial Value	2,464,790,490	2,478,161,332

Each year the assets of the plan are allocated first to the Annuity Savings Account and second to retired and disabled lives. Residual assets are then allocated to non-retired members to determine necessary contribution levels for non-retired members.

REQUIRED PENSION DISCLOSURE UNDER GASB #25 AND #27

(State Employees Only)

Schedule of Funding Progress

Actuarial Valuation Date July 1	(a) Non-Retired Actuarial Value of Assets	(b) Actuarial Accrued Liability (AAL)	(c) Unfunded AAL (UAAL) (b) - (a)	Funded Ratio (a)/(b)	(d) Annual Covered Payroll	UAAL (Excess Assets) As % of Payroll (c)/(d)
1994	\$ 1,176,778,954	\$ 1,106,510,954	\$ (70,268,000)	106.4%	\$ 1,176,139,559	(6.0%)
1995*	1,249,865,324	1,245,330,865	(4,534,459)	100.4%	1,205,288,325	(0.4%)
1996*	1,335,189,108	1,358,810,072	23,621,054	98.3%	1,235,465,458	1.9%
1997	1,447,332,235	1,465,185,818	17,853,583	98.8%	1,283,228,330	1.4%
1998	1,626,450,185	1,491,985,623	(134,464,562)	109.0%	1,229,903,410	(10.9%)
1999	1,828,584,443	1,583,485,563	(245,098,880)	115.5%	1,271,755,859	(19.3%)
2000	1,960,018,018	1,701,091,436	(258,926,582)	115.2%	1,371,496,425	(18.9%)
2001*	2,063,626,964	1,896,505,744	(167,121,220)	108.8%	1,429,768,169	(11.7%)
2002**	2,061,789,940	2,010,177,846	(51,612,094)	102.6%	1,475,076,791	(3.5%)
2003***	2,078,952,509	1,860,101,326	(218,851,183)	111.8%	1,491,661,265	(14.7%)

Schedule of Employer Contributions

Plan Year Ending June 30	Annual Required Contribution (ARC)	Actual Employer Contribution	% of ARC Contributed
1994	\$ 70,339,943	\$ 79,285,735	112.7%
1995	63,071,496	78,010,087	123.7%
1996	76,305,000	79,482,947	104.2%
1997	79,101,344	81,584,843	103.1%
1998	81,545,985	80,145,933	98.3%
1999	67,481,016	77,821,378	115.3%
2000	61,761,627	84,353,750	136.6%
2001	66,559,482	76,218,663	114.5%
2002	72,332,921	77,420,077	107.0%
2003	79,641,040	80,795,703	101.4%

*Revised economic and/or noneconomic assumptions due to experience review.

**New database system providing more up-to-date census data.

***2% Actuarial COLA assumption for 5 years only.

REQUIRED PENSION DISCLOSURE UNDER GASB #25 AND #27
(State Employees Only)

Development of Net Pension Obligation (NPO)
(Dollar Amounts in Thousands)

Year Beginning	(1) Annual Required Contrib	(2) Interest on NPO @ 7.25%	(3) ARC Adjust (8) / (4)	(4) Amort. Factor	(5) Net Pens Cost (1)+(2)-(3)	(6) Actual Employer Contrib	(7) Change in NPO (5) - (6)	(8) NPO @ BOY	(9) NPO @ EOY (7) + (8)
7/1/96	\$ 79,101	-	-	12.5944	\$ 79,101	\$ 81,585	\$ (2,484)	-	\$ (2,484)
7/1/97	81,546	\$ (180)	\$ (192)	12.9541	81,558	80,146	1,412	\$ (2,484)	(1,072)
7/1/98	67,481	(78)	(83)	12.8933	67,486	77,821	(10,335)	(1,072)	(11,407)
7/1/99	61,762	(827)	(889)	12.8280	61,824	84,354	(22,530)	(11,407)	(33,937)
7/1/00	66,559	(2,460)	(2,660)	12.7581	66,759	76,219	(9,460)	(33,937)	(43,397)
7/1/01	72,333	(3,146)	(3,422)	12.6830	72,609	76,304	(3,695)	(43,397)	(47,092)
7/1/02	79,641	(3,414)	(3,891)	12.1037	80,118	80,796	(678)	(47,092)	(47,770)

REQUIRED PENSION DISCLOSURE UNDER GASB #25 AND #27
(All PERF)

Schedule of Funding Progress

Actuarial Valuation Date July 1	(a) Actuarial Value of Assets	(b) Actuarial Accrued Liability (AAL)	(c) Unfunded AAL (UAAL) (b) - (a)	Funded Ratio (a)/(b)	(d) Annual Anticipated Payroll	UAAL (Excess Assets) As % of Payroll (c)/(d)
1996	\$ 5,776,620,844	\$ 5,818,934,842	\$ 42,313,998	99.3%	\$ 2,921,540,553	1.4%
1997	6,304,948,368	6,283,864,768	(21,083,600)	100.3%	3,056,390,214	(0.7%)
1998	6,914,956,789	6,630,150,847	(284,805,942)	104.3%	3,110,162,069	(9.2%)
1999	7,595,266,028	7,075,980,504	(519,285,524)	107.3%	3,250,197,264	(16.0%)
2000	8,267,656,599	7,699,885,278	(567,771,321)	107.4%	3,482,453,418	(16.3%)
2001	8,723,303,892	8,305,671,786	(417,632,106)	105.0%	3,587,079,638	(11.6%)
2002	8,994,853,508	9,066,131,687	71,278,179	99.2%	3,785,241,807	1.9%
2003	9,293,952,006	9,034,573,225	(259,378,781)	102.9%	3,952,229,523	(6.6%)

Schedule of Employer Contributions

Plan Year Ending June 30	Annual Required Contribution (ARC)	Actual Cash Basis Employer Contribution	% of ARC Contributed
1997	\$ 180,005,273	\$ 190,204,731	105.7%
1998	182,891,337	196,456,512	107.4%
1999	167,423,510	203,054,459	121.3%
2000	159,721,746	216,708,616	135.7%
2001	169,373,865	187,758,669	110.9%
2002	175,819,543	208,020,151	118.3%
2003	217,076,848	213,370,551	98.3%

SUMMARY OF EMPLOYEE DATA

	<u>July 1, 2002</u>	<u>July 1, 2003</u>
Active Members		
State	51,541	50,574
Political Subdivisions	<u>91,693</u>	<u>92,508</u>
Total	143,234	143,082
Retired Members and Beneficiaries Receiving Benefits	47,507	49,181
Annual Benefits Payable from Trust	\$ 248,797,563	\$ 273,821,963
Average Annual Benefit	\$ 5,237	\$ 5,568
Disabled Members Receiving Benefits	3,585	3,775
Annual Benefits Payable from Trust	\$ 14,212,424	\$ 15,845,234
Average Annual Benefit	\$ 3,964	\$ 4,197
Terminated Members Entitled to Future Benefits		
<u>STATE</u>	5,618	6,003
Deferred Annual Benefits*	\$ 30,291,386	\$ 22,570,666
Average Annual Benefits*	\$ 5,392	\$ 3,760
<u>POLITICAL SUBDIVISIONS</u>	5,954	5,894
Deferred Annual Benefits*	\$ 22,146,218	\$ 18,733,704
Average Annual Benefits*	\$ 3,720	\$ 3,178

*July 1, 2002 amounts weighted with early retirement rates

SCHEDULED AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY

<u>Date Base Established</u>	<u>Reason</u>	<u>STATE PORTION</u>		
		<u>Years Remaining at 7-1-2003</u>	<u>Amortization Amount</u>	<u>Balance at 7/1/2003</u>
7/1/2002	Fresh Start	29	\$ (3,975,918)	\$ (51,089,799)
7/1/2003	Experience Loss	30	(13,396,675)	173,904,620
7/1/2003	Assumption Changes	30	<u>(26,320,107)</u>	<u>(341,666,004)</u>
Total			\$ (16,899,350)	\$ (218,851,183)

SCHEDULED AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY

-Continued-

<u>Date Base Established</u>	<u>Reason</u>	<u>POLITICAL SUBDIVISION PORTION</u>		
		<u>Years Remaining at 7-1-2003</u>	<u>Amortization Amount</u>	<u>Balance at 7/1/2003</u>
7/1/2002	Fresh Start	29	\$ 9,466,804	\$ 121,646,671
7/1/2003	Experience Loss	30	21,194,490	275,129,456
7/1/2003	Assumption Changes	30	<u>(33,687,522)</u>	<u>(437,303,725)</u>
Total			\$ (3,026,228)	\$ (40,527,598)

TEN YEAR HISTORY OF CONTRIBUTION RATES

<u>Valuation Date</u>	<u>State</u>	<u>Political Subdivisions</u>	<u>Total</u>
July 1, 1993	6.2%	6.0%	6.1%
July 1, 1994	5.6%	5.7%	5.6%
July 1, 1995*	6.3%	6.0%	6.1%
July 1, 1996*	6.6%	6.2%	6.4%
July 1, 1997	6.6%	5.9%	6.2%
July 1, 1998	5.7%	5.5%	5.6%
July 1, 1999	5.0%	5.1%	5.1%
July 1, 2000	5.0%	5.0%	5.0%
July 1, 2001*	5.2%	5.0%	5.1%
July 1, 2002	5.6%	6.2%	5.9%
July 1, 2003*	3.8%	4.7%	4.4%

* Plan changes and/or changes in actuarial assumptions

TEN YEAR HISTORICAL INVESTMENT EXPERIENCE

<u>Year Ending June 30</u>	<u>Estimated Annual Rate of Investment Return</u>		
	<u>Actuarial Basis</u>	<u>Market Basis</u>	<u>Actuarial Assumed Interest Rate</u>
1993	9.69%	1.27%	7.50%
1994	9.32%	0.91%	7.50%
1995	8.61%	10.52%	7.00%
1996	7.96%	5.04%	7.25%
1997	8.57%	8.25%	7.25%
1998	9.34%	13.27%	7.25%
1999	9.52%	10.04%	7.25%
2000	8.53%	5.80%	7.25%
2001	5.77%	(2.14%)	7.25%
2002	3.08%	(4.85%)	7.25%
2003	4.20%	3.48%	7.25%

TEN YEAR HISTORICAL MEMBER INFORMATION

Active Member Statistics

<u>Year Ending June 30</u>	<u>Number</u>	<u>Total Anticipated Annual Payroll</u>	<u>Average Annual Pay</u>	<u>Percentage Increase In Average Pay</u>
1994	138,788	\$2,736,533,511	\$19,717	2.14%
1995	139,931	2,833,328,063	20,248	2.69%
1996	142,336	2,921,540,553	20,526	1.37%
1997	142,011	3,056,390,214	21,522	4.86%
1998	141,383	3,110,162,069	21,998	2.21%
1999	141,441	3,250,197,264	22,979	4.46%
2000	146,613	3,482,453,418	23,753	3.37%
2001	145,019	3,587,079,638	24,735	4.14%
2002	143,234	3,851,760,958	26,891	8.72%
2003	143,082	4,038,679,794	28,226	4.96%

Non-Retired Inactive Vested Member Statistics

<u>Year Ending June 30</u>	<u>Number</u>	<u>Average Annual Benefit*</u>
1994	5,300	\$ 3,056
1995	5,871	3,011
1996	6,083	3,113
1997	5,741	3,349
1998	6,862	3,661
1999	7,979	3,611
2000	8,368	3,788
2001	10,323	3,982
2002	11,572	4,531
2003	11,897	3,472

*July 1, 2002 and earlier amounts weighted with early retirement rates

May 21, 2004 (I418)

TEN YEAR HISTORICAL MEMBER INFORMATION

-Continued-

Retired Member and Beneficiary Statistics

<u>Year Ending June 30</u>	<u>Number</u>	<u>Annual Benefit*</u>	<u>Average Annual Benefit*</u>
1994	38,024	\$140,249,468	\$ 3,688
1995	39,610	152,231,035	3,843
1996	40,819	163,455,987	4,004
1997	42,050	176,509,450	4,198
1998	43,517	193,350,012	4,443
1999	44,594	203,097,160	4,554
2000	45,768	216,615,494	4,733
2001	47,203	230,791,087	4,889
2002	47,507	248,797,563	5,237
2003	49,181	273,821,963	5,568

Disabled Member Statistics

1993	2,518	\$ 7,189,100	\$ 2,855
1994	2,666	7,843,643	2,942
1995	2,803	8,666,154	3,092
1996	2,966	9,516,383	3,208
1997	3,101	10,363,939	3,342
1998	3,257	11,433,222	3,510
1999	3,360	11,986,411	3,567
2000	3,537	13,230,143	3,740
2001	3,566	13,529,137	3,794
2002	3,585	14,212,424	3,964
2003	3,775	15,845,234	4,197

*Includes employee annuities

May 21, 2004 (I418)

TEN YEAR HISTORICAL FUNDING INFORMATION

Portion Of Actuarial Liability Provided for by Assets

(In Thousands of Dollars)

<u>Year Ending June 30</u>	<u>Accumulated Employee Contributions</u>	<u>Retired and Disabled</u>	<u>Non-Retired Member Actuarial Liability</u>	<u>Net Assets Available for Benefits, Actuarial Value</u>
1994	\$ 966,872 100%	\$ 1,342,286 100%	\$ 2,402,380 100%	\$ 4,835,817
1995	1,046,516 100%	1,561,103 100%	2,685,974 100%	5,312,016
1996	1,140,426 100%	1,751,629 100%	2,926,879 98.6%	5,776,621
1997	1,264,456 100%	1,893,179 100%	3,126,230 100%	6,304,948
1998	1,288,353 100%	2,074,561 100%	3,267,237 100%	6,914,957
1999	1,428,913 100%	2,158,640 100%	3,488,428 100%	7,595,266
2000	1,647,902 100%	2,303,679 100%	3,748,305 100%	8,267,657
2001	1,728,972 100%	2,426,062 100%	4,150,638 100%	8,723,304
2002	1,886,124 100%	2,582,149 100%	4,597,859 98.4%	8,994,854
2003	1,971,864 100%	2,764,974 100%	4,297,735 100%	9,293,952

TEN YEAR HISTORICAL FUNDING INFORMATION

-Continued-

Portion of Present Value of Accumulated Vested and Total Accumulated Benefits Provided for by Assets

(In Thousands of Dollars)

<u>Year Ending June 30</u>	<u>Accumulated Employee Contributions</u>	<u>Retired and Disabled</u>	<u>Non-Retired Accumulated Vested Benefits</u>	<u>Non-Retired Total Accumulated Benefits</u>	<u>Net Assets Available for Benefits, Actuarial Value</u>
1994	\$ 966,872 100%	\$ 1,342,286 100%	\$ 841,089 100%	\$1,094,104 100%	\$4,835,817
1995	1,046,516 100%	1,658,027 100%	1,289,703 100%	1,604,165 100%	5,312,016
1996	1,140,426 100%	1,751,629 100%	1,307,888 100%	1,639,205 100%	5,776,621
1997	1,264,456 100%	1,893,179 100%	1,405,101 100%	1,747,693 100%	6,304,948
1998	1,288,353 100%	2,074,561 100%	1,511,289 100%	1,859,857 100%	6,914,957
1999	1,428,913 100%	2,158,640 100%	1,639,166 100%	2,005,646 100%	7,595,266
2000	1,647,901 100%	2,303,679 100%	1,785,795 100%	2,168,889 100%	8,267,657
2001	1,728,972 100%	2,426,062 100%	1,950,425 100%	2,249,293 100%	8,723,304
2002	1,886,124 100%	2,582,149 100%	2,327,868 100%	2,646,870 100%	8,994,854
2003	1,971,864 100%	2,764,974 100%	2,215,284 100%	2,562,166 100%	9,293,952

ACTUARIAL METHODS

ACTUARIAL COST METHOD

Entry Age Normal Cost

ASSET VALUATION METHOD

75% of Expected
Actuarial Value Plus
25% of Market Value

Entry Age Normal Cost

The normal cost is calculated separately for each active member and is equal to the level percentage of payroll needed as an annual contribution from entry age to retirement age to fund projected benefits. The unfunded actuarial accrued liability on any valuation date is the accumulated value of such normal costs from entry age to the valuation date less the actuarial value of assets.

The effect of this valuation method is to amortize all actuarial gains and losses, resulting from experience different from that anticipated in our assumptions, over a 40-year period (30-year period is being phased in commencing July 1, 1998). The purpose of the method is to give a smooth progression of the costs from year to year and, at the same time, provide for an orderly funding of the unfunded liabilities.

ACTUARIAL ASSUMPTIONS

Interest	7.25% net of administrative expenses
Future Salary Increases	Based on PERF experience 1995-2000.
Cost of Living Increases	An increase of 2.0% (compounded) is assumed to be applied to the pension benefit each year following retirement for 5 years following the valuation date. No increase is assumed to be applied to the PERF annuity benefit.
Mortality	UP-1994. Pre-retirement mortality based on PERF experience 1995-2000.
Disability	Based on PERF experience 1995-2000.
Termination	Select and ultimate tables based on PERF experience 1995-2000. Separate tables are used for state employees and political subdivision employees.
Retirement	Based on PERF experience 1995-2000.
Spouse's Benefit	90% of members are assumed either to be married or to have a dependent beneficiary. Males are assumed to be 3 years older than their spouses.
Administrative Expense	Netted against investment earnings

SUMMARY OF MAJOR PLAN PROVISIONS

PARTICIPATION

All full time employees of the State of Indiana and all full time employees of political subdivisions which have adopted the plan must become members of PERF upon date of hire.

ELIGIBILITY FOR ANNUITY BENEFITS:

Normal Retirement

Earliest of:

- (1) Age 65 with 10 years of creditable service;
- (2) Age 60 with 15 years of creditable service;
- (3) Sum of age and creditable service equal to 85 (but not earlier than age 55).

Early Retirement

Age 50 with 15 years of creditable service

Late Retirement

Subject to continued employment after normal retirement

Disability Retirement

5 years of creditable service and qualified for Social Security disability benefits or federal Civil Service disability benefits.

Termination

10 years of creditable service and election not to take lump sum payment of employee account balance with interest.

Pre-Retirement Death

If death occurs in service, 15 years of creditable service. If death occurs after separating from service, age 50 with 15 years of creditable service.

SUMMARY OF MAJOR PLAN PROVISIONS, Continued

AMOUNT OF BENEFITS:

Normal Retirement	The normal retirement benefit is an annuity payable for life with 60 months guaranteed and is equal to 1.1% of average monthly earnings* times years and months of creditable service earned.
Early Retirement	The early retirement benefit is the accrued retirement benefit determined as of the early retirement date and payable commencing at the normal retirement date. A member may elect to have the benefit commence prior to normal retirement provided the benefit is reduced by 1/10% for each of the first 60 months and by 5/12% for each of the next 120 months that the benefit commencement date precedes the normal retirement date.
Late Retirement	The late retirement benefit is calculated in the same manner as the normal retirement benefit. Creditable service and earnings earned after normal retirement is included in the computation.
Disability Retirement	The disability retirement benefit is the accrued retirement benefit determined as of the disability date and payable commencing the month following disability date without reduction for early commencement.
Termination	The termination benefit is the accrued retirement benefit determined as of the termination date and payable commencing at 65. If the member has 15 or more years of creditable service, then the member may elect to receive a reduced early retirement benefit.

* Average monthly earnings is the monthly average of earnings during the 20 quarters (in groups of 4 consecutive quarters) preceding retirement that produce the highest such average. Earnings include basic salary, the member's 3% mandatory contribution paid by the employer, the member's salary reduction agreement under Section 125, 403(b) or 457 of the Internal Revenue Code, and up to \$2,000 of additional compensation received from the employer in anticipation of the member's termination or retirement.

SUMMARY OF MAJOR PLAN PROVISIONS, Continued

AMOUNT OF BENEFITS:

Pre-Retirement Death

The spouse or dependent beneficiary is entitled to receive the monthly life annuity under the assumption that the member retired on the later of age 50 or the day before the date of death and elected the joint and full survivor option.

Employee Contributions

Each member is required to contribute to an employee annuity at the rate of 3% of pay (unless the employer has opted to make all or a portion of the contribution for the employee). These contributions are kept on deposit and credited with interest until such time as they are refunded or used to provide the annuity benefit at retirement.

The benefits provided by employee contributions are in addition to the benefits provided by employer contributions. The monthly annuity provided at a normal retirement age of 65 is equal to \$1.00 for each \$108.79 of accumulated employee contributions plus interest.